

# Combined Systems Programming Manual

*for*

**DCS**

**DCS Compact**

**DCS Compact II**

**DCS-816**

**DCS-408**

**DCS-408i**

***i*DCS100**

***i*DCS500**

**OfficeServ500**

The Samsung logo, consisting of the word "SAMSUNG" in white, bold, sans-serif capital letters, centered within a dark blue oval.

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By application of the following standards

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EN61000-3-3:1995, EN61000-4-2:1995 Inc. A1:1998, EN61000-4-3:1996 Inc. A1:1998

EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996, EN61000-4-8:1993

EN61000-4-11:1994, AS/NZS3548:1995

EN60950 ; 1992+A1+A2+A3+A4+A11

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EN61000-3-3:1995, EN61000-4-2:1995 Inc. A1:1998, EN61000-4-3:1996 Inc. A1:1998

EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996, EN61000-4-8:1993

EN61000-4-11:1994, AS/NZS3548:1995

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EN61000-3-2:2000, EN61000-3-3:1995 + A1:2001

EN61000-4-2:1995 + A1:1998 + A2:2001, EN61000-4-3:2002

EN61000-4-4:1995 + A1:2001 + A2:2001, EN61000-4-5:1995,

EN61000-4-6:1996 + A1:2001, EN61000-4-11:1994 + A1:2001

EN60950 : 1999 + Corr.Jan.2000

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EN61000-3-2:1995 Inc. A1/A2:1998

EN61000-3-3:1995, EN61000-4-2:1995 Inc. A1:1998, EN61000-4-3:1996 Inc. A1:1998

EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996, EN61000-4-8:1993

EN61000-4-11:1994, AS/NZS3548:1995

EN60950 : 1992+A1+A2+A3+A4+A11

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EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996, EN61000-4-8:1993

EN61000-4-11:1994, AS/NZS3548:1995

EN60950 : 1992+A1+A2+A3+A4+A11

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EN61000-3-2:2000, EN61000-3-3 : 1995 + A1:2001

EN61000-4-2:1995 + A1:1998 + A2:2001, EN61000-4-3:2002

EN61000-4-4:1995 + A1:2001 + A2:2001, EN61000-4-5:1995

EN61000-4-6:1996 + A1:2001, EN61000-4-11:1994 + A1:2001

EN60950-1: 2001(1<sup>st</sup> Edition) and/or EN60950-1: 2001

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EMC Directive 89/336/EEC:92/31/EEC



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.....  
RTTE: TBR4: November 1995 incorporating TBR4/A1: December 1997  
.....

LVD: EN60950: 2000 (IEC 60950, Third Edition, 1999)  
.....

EMC: EN55022 : 1998, EN61000-3-2:1995 Inc A1/A2:1998 + A14:2000\*,  
.....

EN61000-3-3:1995, EN61000-4-2:1995 98, EN61000-4-3:1996,  
.....

EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996,  
.....

EN61000-4-11:1994, AS/NZS3548:1995  
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# Part 1. Introduction to Programming

It is strongly recommended that you read the whole of this part of the manual as it provides a useful overview of MMC programming procedures.

## 1.1 Using this Manual

- For a comprehensive list of available MMCs in numerical order, see [section 2.1](#) in Part 2.
- For quick reference, Part 2 also provides a [table](#) indicating which systems can use each MMC. “Y” (Yes) in the appropriate column indicates that an MMC can be used for that system. The table also lists default settings for each MMC (for the UK only).
- To begin programming, refer to the appropriate MMC(s) in [Part 3](#). When you select an MMC, check the header bar. This also tells you if the program is available on your system.
- To quickly check the allowed configuration settings for your system—for example, the number of trunk group members, card port numbers, and so on—see [section 2.3, System Configuration: Quick Reference](#), in Part 2.

## 1.2 Systems Covered in this Manual

This manual describes the MMC programming required for the Samsung telephone systems listed in the following table. The table includes the name by which each system is referred to in this manual (to avoid using the full name each time), and any other relevant details.

Telephone System	Referred Name	Comment
DCS	DCS	Unless otherwise stated, references to “DCS” in this manual include Compact I systems.
DCS Compact	Compact I (or CI)	See comment above.
DCS Compact II	Compact II (or CII)	
DCS-816	816	
DCS-408	408	
DCS-408i	408i	
iDCS500 (L and M versions)	iDCS500	Where programming requirements are the same, the term “iDCS” is used in this manual to include both iDCS100 and iDCS500 systems. The term “iDCS500” includes both ‘L’ and ‘M’ versions, unless stated otherwise.
iDCS100	iDCS100	
OfficeServ500 (L, M and S versions)	OS500	The term “OS500” includes ‘L’, ‘M’ and ‘S’ versions, unless stated otherwise.

Programming requirements for these system types are broadly similar, but occasionally there are differences. Not all MMCs apply to all systems, and options available in a given MMC for one system may not be available to another. Bear in mind when programming your system, therefore, that *some of the options listed for an MMC may not appear on your system*.

Users of 408 and 408i systems should also read section [1.6.4, Programming DCS-408 and 408i Systems](#) before starting programming.

The different system types are discussed fully in the separate *Samsung General Description* manuals for each system, where these have been published.

## **Tenant Programming**

OS500, iDCS500 and DCS (excluding CI) systems support two “tenants” which can be separately programmed with different customer data. All other systems support a single tenant only.

## **Software Version Numbers**

The features described in this manual refer to the most recent software versions. Older software versions may not contain all the features or options listed.

# **1.3 Programming Overview**

When the telephone system arrives from the factory it contains default data. This needs to be customised, using the MMC programs, to suit the customer’s requirements.

Each MMC (Man Machine Code) is assigned a 3-digit code, 100, 101, and so on. These MMCs are used to view, create or change customer data on a display keyphone. This is called KMMC programming.\* For example, MMC 601 is used to create a station group; system speed dial numbers are entered in MMC 705; and key functions are assigned to individual keyphones (or “keysets”) using MMC 722.

\* Note: PCMMC programming (not covered in this manual) refers to system programming via a PC.

# **1.4 Programming Levels**

There are three levels of programming: System level, Customer level and Station level. System and Customer levels allow system-wide programming and are under passcode protection to restrict access. System programming is done by the system installer (or system technician), usually on a one-off basis, but also to manage any changes in the customer’s requirements. Customer programming is done by the system administrator, on a day to day basis, to manage station users’ requirements. Station level programming does not require a passcode, allowing station users to make simple changes to their own keysets.

To prevent conflicting data from being entered, only one person at a time can enter System or Customer programming. If you attempt to enter programming mode while another keyset is being used for programming, your display shows [xxx PGM MODE] where “xxx” is the keyset extension number of the station in programming mode.

*While programming is in progress, normal system operation is not affected.*

## 1.4.1 System Level

This level is entered via [MMC 800](#) and requires the installer's (technician's) passcode. This is the highest level and allows access to all system programs, station programs and maintenance programs. The installer (sometimes called the installing technician) also decides which programs are accessible to the customer (the system administrator) at Customer level.

- *All MMCs are accessible at this level.*

## 1.4.2 Customer Level

This level is entered via [MMC 200](#) and requires the customer's passcode. It allows access to station programs and system programs permitted by the system installer in [MMC 802](#). When the system administrator uses the customer passcode to access station programs, data for all stations can be viewed or changed. Changes can be made either system-wide or to selected keysets. (The system administrator should also refer to the *Samsung System Administration Guide* for their telephone system, if this is available.)

- *Accessible MMCs at this level are designated by the installer.*

## 1.4.3 Station Level

The system administrator or keyset user can access certain programs at a station without using a passcode. At this level, only data for the selected station can be entered or changed. You should refer to the instructions provided in the keyset or telephone user guide for the phone you are using.

- *Accessible MMCs at this level are nos. 100–125.*

# 1.5 Keysets Used for Programming

Programming may be done from any Samsung 5000 Series keyset, DCS (Euro) keyset with an LCD, or iDCS Series keyset with an LCD. Two examples are shown below.



**DS-5021D Phone**



**24-Button DCS (Euro)  
Keyset**

## 1.5.1 Soft Keys

The three keys directly below the display are called soft keys.\* The left-hand soft key is designated as the LEFT soft key. This key is used to save any changed data while programming, or to move the cursor to the left on the LCD.

The right-hand soft key is designated as the RIGHT soft key. This key is used to save any changed data while programming, or to move the cursor to the right in the display.

(\* Note: Large LCD, 5012L, phones display soft keys on the LCD.)

## 1.5.2 Other Keys

The following keys perform special functions during programming:

DCS Euro & iDCS Series Keysets	5000 Series Keysets	Function
VOLUME +	VOLUME ▲	Scroll up through available options*
VOLUME –	VOLUME ▼	Scroll down through available options*
0–9, *, #	0–9, *, #	Enter data and dial options*
HOLD	HOLD	Clear previous entry
ANS/RLS	REDIAL (2-Line LCD phones) CONFERENCE (Large LCD phones)	Select ALL option to make entered data apply to <b>all</b> stations, trunks, cards, etc. rather than selected station(s), trunk(s), card(s), etc.
SPEAKER	SPEAKER	Store data and advance to next MMC
TRSF / TRANSFER	TRANSFER	Enter programming mode, or store data and exit programming mode
“A–F”	“A–F”	Special functions as described below.

\* Tip: Many MMCs allow you to select options quickly by dialling codes from the keypad. Alternatively, you can press the VOLUME keys to scroll through and select options. Use whichever method you prefer. Because dialling codes for options may vary between systems, it has not been practical to include them in all of the MMCs listed.

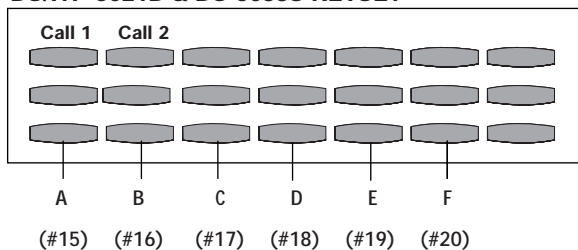
### Special Keys “A–F”

[Refer to the following diagrams](#) showing the layout of special keys A–F for different keysets. During programming, these keys also have special functions. Key **A** is used when entering text, such as names and messages, to select uppercase or lowercase. By default, text is entered in uppercase; if you press key A, any text you subsequently enter is in lowercase. Press the key again and you revert to uppercase, and so on. You can mix both cases in a single entry if required.

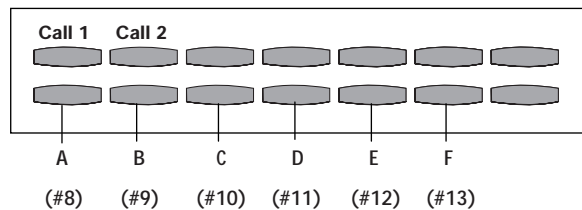
Keys **B–E** may be used in speed dial programming for inserting special dialling digits in dial strings. Key **F** may be used in certain programs—such as when setting up speed dial numbers—to go to a related program (for example, to set speed dial names associated with speed dial numbers) without the need to close one program and open the next. The A–F key options are described in the relevant MMCs.

## OfficeServ 5000 Series Keysets

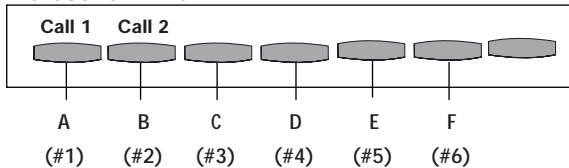
### DS/ITP-5021D & DS-5038S KEYSET



### DS/ITP-5014D & DS-5014S KEYSET



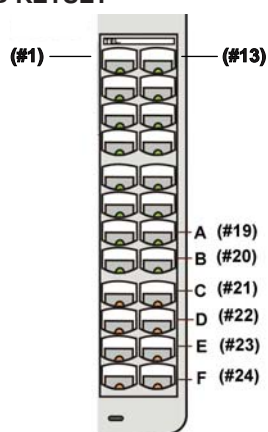
### DS-5007S KEYSET



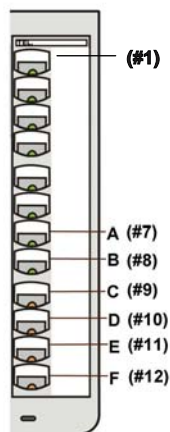
DS- & ITP-5012L (large LCD) keysets  
display the relevant keys A–F on the LCD

## DCS (Euro) Keysets

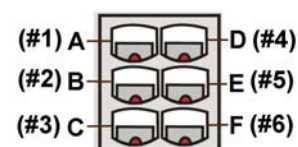
### 24B KEYSET



### 12B KEYSET

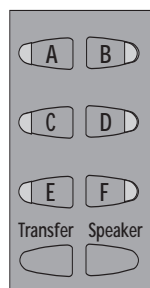


### 6B KEYSET

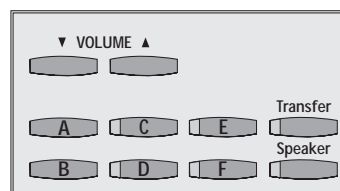


## iDCS Series Keysets

### 28D KEYSET 18D KEYSET



### 8D / 8S KEYSET





**IMPORTANT**

**When installing and programming a 'default' system for the first time**

You should select the correct software version for your country (e.g. "UK") **before** you can do any other programming via either a keyphone (KMMC programming) or a PC (PCMMC programming). To select the country:

1. Press the Transfer / TRSF key.
2. Enter 800 followed by the default passcode (4321)

The system sounds a warning and displays on the keyset:

ENABLE TECH. PROG  
SELECT COUNTRY

Use the VOLUME Up/Down keys to select the country and press the RIGHT soft key. The keyset displays:

DEFAULTING SYSTM  
ARE YOU SURE?NO

Use the VOLUME Up/Down keys to select YES and press the RIGHT soft key. When defaulted to the correct version, you can open programming (see [1.6.2](#)). The country version selected can be changed in [MMC 812 \(Select Country\)](#).

## 1.6 Programming Procedures

### 1.6.1 Precautions When Programming

- The keyset must be on-hook (handset down) to allow programming.
- Programming can be done on any digital keyset with an LCD.
- Programming is available only on digital telephones (not analogue ones).
- If 'INVALID DATA' appears in the LCD while programming, you should re-enter the correct data.
- When you have successfully completed an entry, the display automatically changes for the next step.
- Programming halts if you have not pressed a key for a certain period of time. This is 30 seconds by default, but can be changed in [MMC 501](#) (KMMC Lock Out timer).
- Programming halts if you pick up the handset while programming.
- If you pick up the handset while programming, or the telephone plug is pulled out, any new data shown in the LCD are saved.



## 1.6.2 Opening System or Customer Level Programming

To open programming:

1. Press the Transfer / TRSF key.
2. Enter the MMC program number 200 (for Customer level programming) or 800 (for System level programming).
3. Enter the relevant passcode.
4. Press key 1 (or use the VOLUME keys) to select 'ENABLE'.
5. Press the SPEAKER key to have the program selection mode appear (or press the Transfer / TRSF key to halt programming).
6. Enter the MMC number, or select the program number with the VOLUME keys and press the SPEAKER key.

When you have opened system programming, you are advised to check [MMC 812 \(Select Country\)](#) to ensure that the correct country has been selected *before* you do any other programming.

Carefully follow the instructions given with each selected MMC to program your system correctly.

## 1.6.3 Opening Station Level Programming

To open programming:

1. Press the Transfer / TRSF key.
2. Enter the MMC program number.

You can use the MMCs described in this manual as a guide, although it is advisable to refer to the Samsung keyset or phone user guide provided with your keyset/phone to program it correctly.

## 1.6.4 Programming DCS-408 and 408i Systems

Although the 408 is physically similar to the 408i in appearance, they operate differently and may have different programming requirements and features. For example, the 408i supports ISDN whereas the 408 does not. Thus, an MMC relevant to one system may not be relevant to the other. Similarly, where an MMC relates to both systems, some features available on the 408i system may not be available on the 408 system, and vice versa. This will be indicated in the MMC description, where appropriate.

These systems also differ significantly from all other telephone systems, both in size and physical appearance. Remember, when programming your 408 or 408i:

- Extension, group and trunk numbers are two digits by default (e.g. extension 21, trunk 71, etc). Other systems use 3- or 4- digit numbers by default (e.g. extension 201, trunk 701, etc). These numbering plans may be changed using [MMC 724](#).
- You can set up to four 'Normal' station groups in [MMC 601](#). Other group types are not permitted.
- Only two trunk groups, 8 and 9, are available.

# Part 2. Program (MMC) List & Default Data

## 2.1 Program (MMC) List

100:	STATION LOCK	302:	PICKUP GROUPS
101:	CHANGE USER PASSCODE	303:	ASSIGN BOSS/SECRETARY
102:	CALL FORWARD	304:	ASSIGN STATION/TRUNK USE
103:	SET ANSWER MODE	305:	ASSIGN FORCED CODE
104:	STATION NAME	306:	HOT LINE
105:	STATION SPEED DIAL	308:	ASSIGN BACKGROUND MUSIC SOURCE
106:	STATION SPEED DIAL NAME	309:	ASSIGN STATION MUSIC ON HOLD
107:	KEY EXTENDER	310:	LCR CLASS OF SERVICE
108:	STATION STATUS	311:	ASSIGN SIM PARAMETER
109:	DATE DISPLAY	312:	ALLOW CLIP
110:	STATION ON/OFF	313:	ASSIGN PIN CODE
111:	KEYSET RING TONE	314:	CONFIRM OUTGOING CALL
112:	ALARM REMINDER	315:	SET RELOCATION
113:	VIEW MEMO NUMBER	316:	COPY STATION USABLE
114:	STATION VOLUME	317:	ASSIGN STATION/STATION USE
115:	SET PROGRAMMED MESSAGE	318:	DISTINCTIVE RING
116:	ALARM AND MESSAGE	319:	BRANCH GROUP
117:	TEXT MESSAGE (OS500)	320:	PRESET FORWARD NO ANSWER
118:	CONFERENCE GROUP (OS500)	321:	KEYSET TYPE
119:	CLIP DISPLAY	323:	SEND CLIP NUMBER
120:	LARGE OPTION (OS500)	400:	CUSTOMER ON/OFF PER TRUNK
121:	KEYSET LANGUAGE	401:	CO/PBX LINE
122:	SPOT INFOSPD	402:	TRUNK DIAL TYPE
125:	EXECUTIVE STATE (OS500)	403:	TRUNK TOLL CLASS
200:	OPEN CUSTOMER PROGRAMMING	404:	TRUNK NAME
201:	CHANGE CUSTOMER PASSCODE	405:	TRUNK NUMBER
202:	CHANGE FEATURE PASSCODES	406:	TRUNK RING ASSIGNMENT
203:	ASSIGN UA DEVICE	407:	FORCED TRUNK RELEASE
204:	COMMON BELL CONTROL	408:	ASSIGN TRUNK MUSIC ON HOLD SOURCE
205:	ASSIGN LOUD BELL	409:	TRUNK STATUS READ
206:	BARGE-IN TYPE	410:	ASSIGN DISA TRUNK
207:	ASSIGN VM/AA PORT	411:	ASSIGN E1 SIGNAL TYPE
208:	ASSIGN RING TYPE	412:	ASSIGN TRUNK SIGNAL
209:	ASSIGN ADD-ON MODULE	413:	VMS CALL TYPE
210:	CUSTOMER ON/OFF	414:	MPD/PRS SIGNAL
211:	DOOR RING ASSIGNMENT	415:	REPORT TRUNK ABANDON DATA
212:	ALARM RINGING STATION	416:	ASSIGN AC15 TRANSLATION (DCS, CII)
213:	ALARM MESSAGE		ASSIGN E&M DID RINGDOWN (iDCS, OS500)
214:	DISA ALARM RINGING STATION	417:	E1/PRI CRC4 OPTION
215:	VOICE DIALLER OPTIONS	418:	CARD RESTART
216:	VOICE DIALLER ASSIGNMENTS	419:	BRI OPTIONS
217:	TRAFFIC REPORT PRINTOUT (iDCS, OS500)	420:	PRI OPTIONS
	CCC OPTION (Compact I)	421:	MSN DIGIT
219:	COMMON RELAY SERVICE TYPE	422:	ASSIGN TRUNK COS
220:	ISDN SERVICE TYPE	423:	S/T MODE
221:	EXTENSION TYPE (Hotel Application)	424:	S0 MAPPING
222:	FAX PAIR (Hotel Application)	426:	TRUNK GAIN CONTROL
224:	WAKE-UP ANNOUNCEMENT (Hotel Application)	427:	R2MFC SIGNAL
300:	CUSTOMER ON/OFF PER STATION	428:	ASSIGN TRUNK/TRUNK USE
301:	ASSIGN STATION COS	433:	TRUNK COST RATE

434:	CONNECTION STATUS	721	SAVE STATION KEY PROGRAMMING
436:	TRUNK TMC GAIN (OS500)	722	STATION KEY PROGRAMMING
500:	SYSTEM-WIDE COUNTERS	723:	SYSTEM KEY PROGRAMMING
501:	SYSTEM-WIDE TIMERS	724:	DIAL NUMBERING PLAN
502:	STATION-WIDE TIMERS	725:	SMDR OPTIONS
503:	TRUNK-WIDE TIMERS	726:	VM/AA OPTIONS
504:	PULSE MAKE/BREAK RATIO	727:	SYSTEM VERSION DISPLAY
505:	ASSIGN DATE AND TIME	728:	CLIP TRANSLATION TABLE
506:	TONE CADENCE	730:	AA GAIN
507:	ASSIGN RING PLAN TIME (iDCS, OS500)	731:	AA RAM CLEAR
	ASSIGN AUTO NIGHT TIME (Other systems)	732:	AA TRANSLATION TABLE
508:	CALL COST	733:	AA PLAN TABLE
509:	C.O. TONE CADENCE	734:	AA MESSAGE MATCH
510:	SLI RING CADENCE	735:	AA USE TABLE
511:	MW LAMP CAD	736:	ASSIGN AA MOH
512:	ASSIGN HOLIDAY	737:	DECT SYSTEM CODE
513:	HOTEL TIMERS	738:	DECT CLEAR REGISTRATION
514:	TONE SOURCE	739:	BSI DOWNLOAD
515:	DAYLIGHT ASSIGNMENT	740:	STATION PAIR
600:	ASSIGN OPERATOR GROUP	741:	BSI CARD RESTART
601:	ASSIGN STATION GROUP	742:	BSI STATUS
602:	STATION GROUP NAME	743:	DBS STATUS
603:	ASSIGN TRUNK GROUP	744:	DECT REGISTRATION ON/OFF
604:	ASSIGN STATION TO PAGE ZONE	745:	BSI CARRIER
605:	ASSIGN EXTERNAL PAGE ZONE	746:	COSTING DIAL PLAN
606:	ASSIGN SPEED BLOCK	747:	RATE CALCULATION TABLE
607:	UCD OPTIONS	750:	VM CARD RESTART
608:	ASSIGN CLIP REVIEW BLOCK	751:	ASSIGN MAILBOX
609:	CALL LOG BLOCK	752:	AUTO RECORD
611:	TEXT MESSAGE STATION (OS500)	753:	WARNING DESTINATION
612:	GROUP CONFERENCE STATION (OS500)	754:	VM HALT
614:	USE GROUP (OS500)	755:	VM ALARM
615:	MGI GROUP (OS500)	756:	ASSIGN VM MOH
616:	MGI USER (OS500)	757:	VM IN/OUT
700:	COPY COS CONTENTS	758:	VM DAY/NIGHT
701:	ASSIGN COS CONTENTS	760:	ITEM COST TABLE (Hotel Application)
702:	TOLL DENY TABLE	761:	TAX RATE SETUP (Hotel Application)
703:	TOLL ALLOWANCE TABLE	762:	ROOM COST RATE (Hotel Application)
704:	ASSIGN WILD CHARACTER	800:	ENABLE TECHNICIAN PROGRAM
705:	ASSIGN SYSTEM SPEED DIAL	801:	CHANGE TECHNICIAN PASSCODE
706:	SYSTEM SPEED DIAL BY NAME	802:	CUSTOMER ACCESS MMC NUMBER
707:	AUTHORISATION CODE	803:	ASSIGN TENANT GROUP
708:	ACCOUNT CODE	804:	SYSTEM I/O PARAMETER
709:	TOLL PASS CODE	805:	TX LEVEL & GAIN
710:	LCR DIGIT TABLE	806:	CARD PRE-INSTALL
711:	LCR TIME TABLE	807:	VOLUME CONTROL
712:	LCR ROUTE TABLE	808:	T1 TRUNK CODING
713:	LCR MODIFY DIGIT TABLE	809:	SYSTEM MMC LANGUAGE
714:	DDI NUMBER & NAME TRANSLATION	810:	HALT PROCESSING
715:	PROGRAMMED STATION MESSAGE	811:	RESET SYSTEM
716:	UK LCR OPTION	812:	SELECT COUNTRY
717:	UCD AGENT ID (iDCS, OS500)	813:	HOTEL OPERATION (Hotel Application)
	PIN CODE (Compact I)	815:	CUSTOMER DATABASE COPY
718:	MY AREA CODE	816:	CONFERENCE GAIN (OS500)
719:	IDLE DISPLAY (OS500)	818:	PROGRAM DOWNLOAD
720:	COPY KEY PROGRAMMING	819:	SM FILE CONTROL

820:	ASSIGN SYSTEM LINK ID	841:	SYSTEM IP OPTIONS (OS500)
821:	ASSIGN NETWORKING TRUNK	845:	WLI PARAMETER (OS500)
822:	VIRTUAL EXTENSION TYPE (OS500)	846:	WIP INFORMATION (OS500)
823:	ASSIGN NETWORKING COS	847:	WLI RESET (OS500)
824:	NETWORK DIAL TRANSLATION	848:	WLAN IP / MAC (OS500)
825:	ASSIGN NETWORKING OPTIONS	849:	WLAN CONFIGURATION (OS500)
826:	ASSIGN SYSTEM CLOCK SOURCE	850:	SYSTEM RESOURCE DISPLAY
829:	LAN PRINTER	851:	ALARM REPORT
830:	ETHERNET PARAMETERS	852:	ASSIGN SYSTEM ALARMS
831:	VoIP PARAMETERS	853:	MAINTENANCE BUSY
832:	VoIP CODE	854:	DIAGNOSTIC TIME
833:	VoIP IP ADDRESS	855:	DISPLAY SYSTEM OPTIONS
834:	VoIP OPTION	856:	PROGRAMMING LOGS
835:	VoIP DSP OPTIONS	858:	ASSIGN SYSTEM EMERGENCY ALARM
836:	VoIP GK OPTIONS	859:	HARDWARE VERSION DISPLAY
837:	SIP OPTIONS (OS500)	860:	UCD VIEW SERVICE
838:	PRIVATE IP (OS500)	861:	SYSTEM OPTIONS (OS500)
840:	IP SET INFORMATION (OS500)	890:	PORT CLEAR (OS500)

## 2.2 Default Data (UK)

Station Programs										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
100:	STATION LOCK	Y	Y	Y	Y	Y	Y	Y	Y	ALL STATIONS UNLOCKED
101:	CHANGE USER PASSCODE	Y	Y	Y	Y	Y	Y	Y	Y	ALL STATION PASSCODES=1234
102:	CALL FORWARD	Y	Y	Y	Y	Y	Y	Y	Y	ALL STATION=0 (FWD CANCEL)
103:	SET ANSWER MODE	Y	Y	Y	Y	Y	Y	Y	Y	ALL KEYSETS 'RING' RING FREQUENCY DEFAULT=5
104:	STATION NAME	Y	Y	Y	Y	Y	Y	Y	Y	NONE
105:	STATION SPEED DIAL	Y	Y	Y	Y	Y	Y	Y	Y	NONE
106:	STATION SPEED DIAL NAME	Y	Y	Y	Y	Y	Y	Y	Y	NONE
107:	KEY EXTENDER	Y	Y	Y	Y	Y	Y	Y	Y	NONE
108:	STATION STATUS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 108</a>
109:	DATE DISPLAY	Y	Y	Y	Y	Y	Y	Y	Y	COUNTRY: WESTERN CLOCK: 24-HOUR DISPLAY: LOWERCASE
110:	STATION ON/OFF	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 110</a>
111:	KEYSET RING TONE	Y	Y	Y	Y	Y	Y	Y	Y	SELECTION=5
112:	ALARM REMINDER	Y	Y	Y	Y	Y	Y	Y	Y	ALARMS SET TO NOTSET
113:	VIEW MEMO NUMBER	Y	Y	Y	Y	Y	Y	Y	Y	NO MEMOS ENTERED
114:	STATION VOLUME	Y	Y	Y	Y	Y	Y	Y	Y	RING VOL: 4 OFF HOOK RING VOL: 4 HANDSET VOL: 4 SPEAKER VOL: 13 BGM VOL: 13 PAGE VOL: 13
115:	SET PROGRAMMED MESSAGE	Y	Y	Y	Y	Y	Y	Y	Y	NO MESSAGES SELECTED

Station Programs (Contd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
116:	ALARM AND MESSAGE	Y	Y	Y	Y	Y	Y	Y	Y	ALARMS SET TO NOTSET
117:	TEXT MESSAGE	N	N	N	N	N	N	N	Y	NONE
118:	CONFERENCE GROUP	N	N	N	N	N	N	N	Y	NONE
119:	CLIP DISPLAY	Y	Y	Y	N	Y	Y	Y	Y	NUMBER FIRST
120:	LARGE OPTION	N	N	N	N	N	N	N	Y	IDLE DISP=CALENDAR DS KEY DSP=TEL NO. DIAL MODE=ENBLOCK CONV DISP=SOFT MENU FIRST
121:	KEYSET LANGUAGE	Y	Y	Y	Y	Y	Y	Y	Y	ENGLISH
122:	SPOT INFOSPD	N	N	N	N	N	Y	N	Y	0300 mS
125:	EXECUTIVE STATE	N	N	N	N	N	N	N	Y	NONE

System Programs										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
200:	OPEN CUSTOMER PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	Y	DISABLE (CLOSED) PASSCODE=1234
201:	CHANGE CUSTOMER PASSCODE	Y	Y	Y	Y	Y	Y	Y	Y	PASSCODE =1234
202:	CHANGE FEATURE PASSCODES	Y <sup>1</sup>	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 202</a>
203:	ASSIGN UA DEVICE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
204:	COMMON BELL CONTROL	Y	Y	Y	Y	Y	Y	Y	Y	CONTINUOUS
205:	ASSIGN LOUD BELL	Y	Y	Y	Y	Y	Y	Y	Y	UNASSIGNED
206:	BARGE-IN TYPE	Y	Y	Y	Y	Y	Y	Y	Y	NO BARGE IN
207:	ASSIGN VM/AA PORT	Y	Y	Y	Y	Y	Y	Y	Y	NORMAL PORT
208:	ASSIGN RING TYPE	Y	Y	Y	Y	Y	Y	Y	Y	ICM RING
209:	ASSIGN ADD-ON MODULE	Y	Y	Y	N	N	Y	Y	Y	NONE FOR MASTER
210:	CUSTOMER ON/OFF	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 210</a>
211:	DOOR RING ASSIGNMENT	Y	Y	Y	Y	Y	Y	Y	Y	STATION GROUP 500 (or 50)
212:	ALARM RINGING STATION	Y <sup>1</sup>	Y	N	N	N	N	Y	N	ALL SENSORS RING 500
213:	ALARM MESSAGE	Y <sup>1</sup>	Y	N	N	N	N	Y	N	NONE
214:	DISA ALARM RINGING STATION	Y	Y	Y	Y	Y	Y	Y	Y	500 (or 50)
215:	VOICE DIALLER OPTIONS	Y	Y	N	N	N	Y	Y	Y	2CH-7USER-20BIN
216:	VOICE DIALLER ASSIGNMENTS	Y	Y	N	N	N	Y	Y	Y	NONE
217:	TRAFFIC REPORT OPT <i>or</i> CCC OPTION	N CI only	N N	N N	N N	N N	Y N	Y N	Y N	NO REPORT NONE

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
219:	COMMON RELAY SERVICE TYPE	N	Y	Y	Y	Y	N	Y	N	EXTERNAL PAGE
220:	ISDN SERVICE TYPE	Y	Y	Y	N	Y	Y	Y	Y	VOICE
221:	EXTENSION TYPE	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	NORMAL STATION
222:	FAX PAIR	Y	Y	N	N	N	Y	Y	Y	NONE
224:	WAKE-UP ANNOUNCEMENT	N	N	N	N	N	Y	N	Y	NONE
300:	CUSTOMER ON/OFF PER STATION	Y	Y	Y	Y	Y	Y	Y	Y	STN CALL PRT : OFF FWD DLY USE : OFF FWD OVERRIDE: OFF RCL TO OPER.: OFF (OTHERS SET ON)
301:	ASSIGN STATION COS	Y	Y	Y	Y	Y	Y	Y	Y	COS 1
302:	PICKUP GROUPS	Y	Y	Y	Y	Y	Y	Y	Y	ALL STATIONS GROUP 1
303:	ASSIGN BOSS/SECRETARY	Y	Y	Y	Y	Y	Y	Y	Y	NONE
304:	ASSIGN STATION / TRUNK USE	Y	Y	Y	Y	Y	Y	Y	Y	DIAL = YES ANS = YES
305:	ASSIGN FORCED CODE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
306:	HOT LINE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
308:	ASSIGN BACKGROUND MUSIC SOURCE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
309:	ASSIGN STATION MUSIC ON HOLD	Y	Y	Y	Y	Y	Y	Y	Y	NONE
310:	LCR CLASS OF SERVICE	Y	Y	Y	Y	Y	Y	Y	Y	LEAST COST ROUTING COS 1
311:	ASSIGN SIM PARAMETER	Y <sup>1</sup>	N	N	N	N	N	N	N	<a href="#">SEE MMC 311</a>
312:	ALLOW CLIP	Y	Y	Y	N	Y	Y	Y	Y	RCV=YES, SEND=YES, INFO=CO Tel
313:	ASSIGN PIN CODE	CI Only	N	N	N	N	N	N	N	ALL STATIONS ARE CODE #1

<sup>1</sup> Note: Does not include Compact I systems



System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
314:	CONFIRM OUTGOING CALL	Y <sup>1</sup>	Y	Y	Y	Y	Y	Y	Y	NONE
315:	SET RELOCATION	Y <sup>1</sup>	Y	Y	Y	Y	Y	Y	Y	NONE
316:	COPY STATION USABLE	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	NONE
317:	ASSIGN STATION / STATION USE	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	DIAL=YES
318:	DISTINCTIVE RING	Y	Y	Y	Y	Y	Y	Y	Y	T=F-STN, C=F-STN
319:	BRANCH GROUP	–	–	–	–	–	–	–	–	NOT USED IN UK
320:	PRESET FORWARD NO ANSWER	N	N	N	N	N	Y	Y	Y	NONE
321:	KEYSET TYPE	N	N	N	N	N	Y	N	N	NON-DISPLAY
323:	SEND CLIP NUMBER	N	N	N	N	N	Y	Y	Y	NONE
400:	CUSTOMER ON/OFF PER TRUNK	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 400</a>
401:	C.O./PBX LINE	Y	Y	Y	Y	Y	Y	Y	Y	ALL TRUNKS C.O. LINE
402:	TRUNK DIAL TYPE	Y	Y	Y	Y	N	Y	Y	Y	ALL TRUNKS DTMF
403:	TRUNK TOLL CLASS	Y	Y	Y	Y	Y	Y	Y	Y	ALL TRUNKS F-STN
404:	TRUNK NAME	Y	Y	Y	Y	Y	Y	Y	Y	NO NAMES ENTERED
405:	TRUNK NUMBER	Y	Y	Y	Y	Y	Y	Y	Y	NO NUMBERS ENTERED
406:	TRUNK RING ASSIGNMENT	Y	Y	Y	Y	Y	Y	Y	Y	ALL TRUNKS: 500 (or 50)
407:	FORCED TRUNK RELEASE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
408:	ASSIGN TRUNK MUSIC-ON- HOLD SOURCE	Y	Y	Y	Y	Y	Y	Y	Y	TONE
409:	TRUNK STATUS READ	Y	Y	Y	Y	Y	Y	Y	Y	FOLLOWS TRUNK
410:	ASSIGN DISA TRUNK	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 410</a>
411:	ASSIGN E1 SIGNAL TYPE	–	–	–	–	–	–	–	–	NOT USED IN UK

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
412:	ASSIGN TRUNK SIGNAL	Y	Y	N	N	N	Y	Y	Y	IMMEDIATE START
413:	VMS CALL TYPE	N	Y	N	N	N	N	N	N	AP/AT/VM=NO, AA=YES
414:	MPD/PRS SIGNAL	Y	Y	Y	Y	N	Y	Y	Y	NONE
415:	REPORT TRUNK ABANDON DATA	Y	Y	Y	N	Y	Y	Y	Y	REPORT=YES
416:	ASSIGN AC15 TRANS	Y	Y	N	N	N	N	N	N	UNUSE DID TRANS
	or ASSIGN E&M/DID R/D	N	N	N	N	N	Y	Y	Y	FOLLOW INCOM DGT
417:	E1/PRI CRC4 OPTION	Y	Y	N	N	N	Y	Y	Y	CRC4 ON
418:	CARD RESTART	Y	Y	Y	N	Y	Y	Y	Y	NONE
419:	BRI OPTIONS	Y	Y	Y	N	Y	Y	Y	Y	<a href="#">SEE MMC 419</a>
420:	PRI OPTIONS	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	<a href="#">SEE MMC 420</a>
421:	MSN DIGIT	Y	Y	Y	N	Y	Y	Y	Y	NONE
422:	ASSIGN TRUNK COS	Y	Y	Y	Y	Y	Y	Y	Y	COS 1
423:	S/T MODE	Y	Y	Y	N	Y	Y	Y	Y	TRUNK
424:	S0 MAPPING	Y	Y	Y	N	Y	Y	Y	Y	NONE
426:	TRUNK GAIN CONTROL	Y <sup>1</sup>	Y	Y	Y	Y	Y	Y	Y	RX=+0.0 dB, TX=+0.0 dB
427:	R2MFC SIGNAL	—	—	—	—	—	—	—	—	NOT USED IN UK
428:	ASSIGN TRUNK/TRUNK USE	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	DIAL=YES
433:	TRUNK COST RATE	Y	Y	N	N	N	Y	Y	Y	ALL RATES ASSIGNED
434:	CONNECTION STATUS	N	N	N	N	N	Y	Y	Y	NONE
436:	TRUNK TMC GAIN	N	N	N	N	N	N	N	Y	R: +0 dB T: +0 dB
500:	SYSTEM-WIDE COUNTERS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 500</a>
501:	SYSTEM-WIDE TIMERS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 501</a>
502:	STATION-WIDE TIMERS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 502</a>
503:	TRUNK-WIDE TIMERS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 503</a>

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
504:	PULSE MAKE/BREAK RATIO	Y	Y	Y	Y	N	Y	Y	Y	MAKE/BREAK = 33 PULSES PER SECOND = 10
505:	ASSIGN DATE AND TIME	Y	Y	Y	Y	Y	Y	Y	Y	FOLLOWS S/W VERSION RE- LEASE DATE
506:	TONE CADENCE	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 506</a>
507:	ASSIGN AUTO NIGHT TM <i>or</i> ASSIGN RING PLAN TM	Y N	Y N	Y N	Y N	Y N	N Y	N Y	N Y	NONE NONE
508:	CALL COST	Y	Y	Y	Y	Y	Y	Y	Y	UNIT COST PER MP: 200 CALL COST RATE: 100%
509:	C.O. TONE CADENCE	CI only	N	N	N	N	N	N	N	<a href="#">SEE MMC 509</a>
510:	SLI RING CADENCE	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 510</a>
511:	MW LAMP CAD	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	ON: 1000MS, OFF: 1000MS
512:	ASSIGN HOLIDAY	Y <sup>1</sup>	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 512</a>
513:	HOTEL TIMERS	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	NONE
514:	TONE SOURCE	N	N	N	N	N	Y	N	Y	TONE
515:	DAYLIGHT ASSIGNMENT	N	N	N	N	N	Y	Y	Y	NONE
600:	ASSIGN OPERATOR GROUP	Y	Y	Y	Y	Y	Y	Y	Y	500 (or 50)
601:	ASSIGN STATION GROUP	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 601</a>
602:	STATION GROUP NAME	Y	Y	Y	Y	Y	Y	Y	Y	NONE
603:	ASSIGN TRUNK GROUP	Y	Y	Y	Y	Y	Y	Y	Y	MODE=SEQUENTIAL
604:	ASSIGN STATION TO PAGE ZONE	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 604</a>
605:	ASSIGN EXTERNAL PAGE ZONE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
606:	ASSIGN SPEED BLOCK	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 606</a>
607:	UCD OPTIONS	Y	Y	Y	N	N	Y	Y	Y	<a href="#">SEE MMC 607</a>
608:	ASSIGN CLIP REVIEW BLOCK	Y	Y	Y	N	Y	Y	Y	Y	ONE BLOCK OF 10 NOS
609:	CALL LOG BLOCK	N	N	N	N	N	Y	Y	Y	ONE BLOCK OF 10 NOS

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
611:	TEXT MESSAGE STATION	N	N	N	N	N	N	N	Y	NOT USED
612:	GROUP CONFERENCE STATION	N	N	N	N	N	N	N	Y	NOT USED
614:	USE GROUP	N	N	N	N	N	N	N	Y	001
615:	MGI GROUP	N	N	N	N	N	N	N	Y	NONE
616:	MGI USER	N	N	N	N	N	N	N	Y	NONE
700:	COPY COS CONTENTS	Y	Y	Y	Y	Y	Y	Y	Y	NONE
701:	ASSIGN COS CONTENTS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 701</a>
702:	TOLL DENY TABLE	Y	Y	Y	Y	Y	Y	Y	Y	ALL ENTRIES=0
703:	TOLL ALLOWANCE TABLE	Y	Y	Y	Y	Y	Y	Y	Y	ALL ENTRIES=0
704:	ASSIGN WILD CHARACTER	Y	Y	Y	Y	Y	Y	Y	Y	X = ALL 1 Y, Z = ALL 0
705:	ASSIGN SYSTEM SPEED DIAL	Y	Y	Y	Y	Y	Y	Y	Y	NONE
706:	SYSTEM SPEED DIAL BY NAME	Y	Y	Y	Y	Y	Y	Y	Y	NO NAMES
707:	AUTHORISATION CODE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
708:	ACCOUNT CODE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
709:	TOLL PASS CODE	Y	Y	Y	Y	Y	Y	Y	Y	NONE
710:	LCR DIGIT TABLE	Y	Y	Y	Y	Y	Y	Y	Y	DEPENDS ON S/W VERSION
711:	LCR TIME TABLE	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 711</a>
712:	LCR ROUTE TABLE	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 712</a>
713:	LCR MODIFY DIGIT TABLE	Y	Y	Y	Y	Y	Y	Y	Y	DEPENDS ON S/W VERSION
714:	DDI NUMBER AND NAME TRANSLATION	Y	Y	Y	N	Y	Y	Y	Y	<a href="#">SEE MMC 714</a>

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
715:	PROGRAMMED STATION MESSAGE	Y	Y	Y	Y	Y	Y	Y	Y	10 PRE-PROGRAMMED
716:	UK LCR OPTIONS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 716</a>
717:	UCD AGENT ID <i>or</i> PIN CODE	N CI only	N N	N N	N N	N N	Y N	Y N	Y N	NONE NONE
718:	MY AREA CODE	—	—	—	—	—	—	—	—	NOT USED IN UK
719:	IDLE DISPLAY	N	N	N	N	N	N	N	Y	NONE
720:	COPY KEY PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	Y	NONE
721:	SAVE STATION KEY PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	Y	RESTORE
722:	STATION KEY PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 722</a>
723:	SYSTEM KEY PROGRAMMING	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 723</a>
724:	DIAL NUMBERING PLAN	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 724</a>
725:	SMDR OPTIONS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 725</a>
726:	VM/AA OPTIONS	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 726</a>
727:	SYSTEM VERSION DISPLAY	Y	Y	Y	Y	Y	Y	Y	Y	INSTALLED CARD VERSIONS
728:	CLIP TRANSLATION TABLE	Y	Y	Y	N	Y	Y	Y	Y	NONE
730:	AA GAIN	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	+0.0 dB
731:	AA RAM CLEAR	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	NONE
732:	AA TRANSLATION TABLE	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	<a href="#">SEE MMC 732</a>
733:	AA PLAN TABLE	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	<a href="#">SEE MMC 733</a>
734:	AA MESSAGE MATCH	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	MSG INDEX NO.
735:	AA USE TABLE	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	PLAN 01
736:	ASSIGN AA MOH	Y <sup>1</sup>	Y	Y	N	N	Y	Y	Y	NOT USE

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
737:	DECT SYSTEM CODE	Y	Y	N	N	N	Y	Y	Y	AUTH CODE: FFFF SYSTEM ID: 000
738:	DECT CLEAR REGISTRATION	Y	Y	N	N	N	Y	Y	Y	FORCED MODE
739:	BSI DOWNLOAD	Y	Y	N	N	N	N	N	N	NONE
740:	STATION PAIR	Y	Y	Y	N	N	Y	Y	Y	NONE
741:	BSI CARD RESTART	Y	Y	N	N	N	Y	Y	Y	NONE
742:	BSI STATUS	Y	Y	N	N	N	Y	Y	Y	NONE
743:	DBS STATUS	Y	Y	N	N	N	Y	Y	Y	NONE
744:	DECT REGISTRATION ON/OFF	Y	Y	N	N	N	Y	Y	Y	DISABLE
745:	BSI CARRIER	Y	Y	N	N	N	Y	Y	Y	1111111111
746:	COSTING DIAL PLAN	N	N	N	N	N	Y	Y	Y	NONE
747:	RATE CALCULATION TABLE	Y	Y	N	N	N	Y	Y	Y	NONE
750:	VM CARD RESTART	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	DOWNLOAD=YES CARD RESTART=NO
751:	ASSIGN MAILBOX	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	ALL STN=YES, ALL GRP=NO
752:	AUTO RECORD	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	MB=NONE, PORT=NONE CALL=I
753:	WARNING DESTINATION	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	DEST=500
754:	VM HALT	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	NONE
755:	VM ALARM	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	THRESHOLD=80%
756:	ASSIGN VM MOH	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	NOT USE
757:	VM IN/OUT	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	IN/OUT
758:	VM DAY/NIGHT	N	N	N	N	N	Y	Y	Y	ALL RING PLANS=DAY
760:	ITEM COST TABLE	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	NONE
761:	TAX RATE SETUP	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	ALL RATES=%

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
762:	ROOM COST RATE	Y <sup>1</sup>	Y	N	N	N	Y	Y	Y	ALL RATES=100%
800:	ENABLE TECHNICIAN PROGRAM	Y	Y	Y	Y	Y	Y	Y	Y	DISABLE (CLOSED)
801:	CHANGE TECHNICIAN PASSCODE	Y	Y	Y	Y	Y	Y	Y	Y	DEFAULT PASSCODE = 4321
802:	CUSTOMER ACCESS MMC NUMBER	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 802</a>
803:	ASSIGN TENANT GROUP	Y <sup>1</sup>	N	N	N	N	Y	N	Y	ALL ASSIGNMENTS TEN. 1
804:	SYSTEM I/O PARAMETER	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 804</a>
805:	TX LEVEL AND GAIN	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 805</a>
806:	CARD PRE-INSTALL	Y	Y	Y	N	N	Y	Y	Y	NONE
807:	VOLUME CONTROL	Y	Y	Y	Y	Y	Y	Y	Y	<a href="#">SEE MMC 807</a>
808:	T1 TRUNK CODING	—	—	—	—	—	—	—	—	NOT USED IN UK
809:	SYSTEM MMC LANGUAGE	Y <sup>1</sup>	Y	Y	Y	Y	Y	Y	Y	ENGLISH
810:	HALT PROCESSING	Y	Y	Y	N	N	Y	Y	Y	NONE
811:	RESET SYSTEM	Y	Y	Y	Y	Y	Y	Y	Y	NONE
812:	SELECT COUNTRY	Y	Y	Y	Y	Y	Y	Y	Y	NONE
813:	HOTEL OPERATION	N	N	N	N	N	Y	Y	Y	DISABLE
815:	CUSTOMER DATABASE COPY	N	N	N	N	N	Y	Y	Y	NO DAILY SAVE
816:	CONFERENCE GAIN	N	N	N	N	N	N	N	Y	USE DEFAULT: YES
818:	PROGRAM DOWNLOAD	N	N	N	N	N	Y	Y	Y	NONE
819:	SM FILE CONTROL	N	N	N	N	N	Y	N	Y	NONE
820:	ASSIGN SYSTEM LINK ID	N	N	N	N	N	Y	Y	Y	NONE
821:	ASSIGN NETWORKING TRUNK	N	N	N	N	N	Y	Y	Y	NORMAL
822:	VIRTUAL EXTENSION TYPE	N	N	N	N	N	N	N	Y	NONE

<sup>1</sup> Note: Does not include Compact I systems

System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
823:	ASSIGN NETWORKING COS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 823</a>
824:	NETWORK DIAL TRANSLATION	N	N	N	N	N	Y	Y	Y	NONE
825:	ASSIGN NETWORKING OPTIONS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 825</a>
826:	ASSIGN SYSTEM CLOCK SOURCE	N	N	N	N	N	Y	N	Y	<a href="#">SEE MMC 826</a>
829:	LAN PRINTER	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 829</a>
830:	ETHERNET PARAMETERS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 830</a>
831:	VoIP PARAMETERS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 831</a>
832:	VoIP CODE	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 832</a>
833:	VoIP IP ADDRESS	N	N	N	N	N	Y	Y	Y	TB(00)ENTRY(00)=1.1.1.1 OTHERS=0.0.0.0
834:	VoIP OPTIONS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 834</a>
835:	VoIP DSP OPTIONS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 835</a>
836:	VoIP GK OPTIONS	N	N	N	N	N	Y	Y	Y	<a href="#">SEE MMC 836</a>
837:	SIP OPTIONS	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 837</a>
840:	IP SET INFORMATION	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 840</a>
841:	SYSTEM IP OPTIONS	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 841</a>
845:	WLI PARAMETER	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 845</a>
846:	WIP INFORMATION	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 846</a>
847:	WLI RESET	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 847</a>
848:	WLAN IP / MAC	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 848</a>
849:	WLAN CONFIGURATION	N	N	N	N	N	N	N	Y	<a href="#">SEE MMC 849</a>
850:	SYSTEM RESOURCE DISPLAY	N	N	N	N	N	Y	Y	Y	NONE



System Programs (Cont'd)										
NO.	NAME	DCS	CII	816	408	408i	iDCS500	iDCS100	OS500	DEFAULT
851:	ALARM REPORT	N	N	N	N	N	Y	Y	Y	ALARM BUFFER OVERWRITTEN
852:	ASSIGN SYSTEM ALARMS	N	N	N	N	N	Y	Y	Y	ALL ALARMS OFF
853:	MAINTENANCE BUSY	N	N	N	N	N	Y	Y	Y	ALL IDLE
854:	DIAGNOSTIC TIME	N	N	N	N	N	Y	Y	Y	NONE
855:	DISPLAY SYSTEM OPTIONS	N	N	N	N	N	Y	N	Y	NONE
856:	PROGRAMMING LOGS	N	N	N	N	N	Y	Y	Y	NONE
858:	ASSIGN SYSTEM EMERGENCY ALARM	N	N	N	N	N	Y	Y	Y	ALL ALARMS OFF
859:	HARDWARE VERSION DISPLAY	N	N	N	N	N	Y	N	Y	FOLLOWS H/W VERSIONS
860:	UCD VIEW SERVICE	N	N	N	N	N	Y	Y	Y	UCD VIEW SERVICE = DISABLE SEND AGENT STATE=YES
861:	SYSTEM OPTIONS	N	N	N	N	N	N	N	Y	ALL OPTIONS DISABLED SYSTEM SPEED BIN=500
890:	PORT CLEAR	N	N	N	N	N	N	N	Y	NONE

## 2.3 System Configuration: Quick Reference

Description	DCS	Compact I	Compact II	816	408/408i	iDCS500 *	iDCS100	OS500 *
AA card port numbers	3951–8	3951–6	381–6 <sup>1</sup>	381–4	N/A	3951–8	381–6 <sup>1</sup>	3951–8
AA Translation Tables max. entries	100 (tables 1 & 2)	100 (tables 1 & 2)	100 (tables 1 & 2)	50 (tables 1 & 2)	N/A	100 (tables 1–12)	100 (tables 1–12)	100 (tables 1–12)
Account codes (number of)	500	250	200	200	100	999 (500)	500	999
Authorisation codes (no. of)	250	100	100	30	10	500 (250)	250	500
BGM port numbers	3701–3719	371–2	371–2	371–2	371	3701–3706	371–2	371–3
CALL keys (max.)	8	8	5	4	2	8	8	8
Classes of Service (COS)	30	30	30	10	4	30	30	30
CLIP Translation Table max. entries	250	250	200	200	408=N/A 408i=100	1500 (400)	350	2000 (1000)
Daughterboards (keyset)	KSU	Any DLI	Motherboard	N/A	N/A	Any 8DLI	Motherboard	Any 8DLI
DDI Translation Table max. entries	200	200	200	50	408=N/A 408i=20	999 (400)	500	2000 (1000)
DECT ports (no. of)	48	24	24	N/A	N/A	192 (48)	24	192 (48)
LCR Digit Table max. entries	500	500	500	300	100	2000 (1000)	1000	2000
MOH port numbers	3701–3719	371–2	371–2	371–2	371	3701–3706	371–2	371–3
Operator Groups (part of Station Group) (no. of)	1	1	1	1	1	1	1	1
Operator Group members (sequential / distributed ring)	32	30	30	16	8	48	32	32
Operator Group members (unconditional ring)	32	30	10	16	8	32	32	32
Page zones (no. of internal)	4	4	4	4	2	5	5	4

## 2.3 System Configuration: Quick Reference (cont'd)

Description	DCS	Compact I	Compact II	816	408/408i	iDCS500 *	iDCS100	OS500 *
Page zones (no. of external)	4	4	4	1	1	4	4	4
Pickup Groups (number of)	20	20	20	8	4	99	20	99
So bus ports (number of)	32	32	24	16	408=None 408i=2	64 (32)	24	48
Speed dials (total)	1500	500	600	500	300	2500 (1500)	1500	2500 (2000)
Speed dials (system)	500	500	500	300	200	500	500	500 or 950
Station Groups (number of)	30	30	20	10	4	50 (30)	20	80 (40)
Station Group members (sequential / distributed ring)	48	30	30	16	8	48	32	48
Station Group members (unconditional ring)	32	30	10	16	8	32	32	32
Station Group numbers *	500–529	500–529	500–519	500–509	50–53	500–549 (500–529)	500–519	500–579 (500–539)
Trunk Groups (number of)	11	11	11	4	2	50 (11)	11	30
Trunk Group members (no. of)	80	10	40	10	4	99	40	99
Trunk Group numbers	9, 80–89	9, 80–89	9, 80–89	9, 80–82	9, 8	9, 800–848 (9, 800–809)	9, 800–809	9, 800–828
UCD Groups (no. of)	10 <sup>2</sup>	10 <sup>2</sup>	5 <sup>3</sup>	3 <sup>4</sup>	N/A	20 (10) <sup>5</sup>	10 <sup>5</sup>	20 <sup>5</sup>
Voice dial card port numbers	3551–2	3551–2	355–6	N/A	N/A	N/A	N/A	3981-2
Virtual Extensions (no. of)	N/A	N/A	N/A	N/A	N/A	70 (14)	14	118 (62)
Network LCR	N/A	N/A	N/A	N/A	N/A	96 (8)	20	96

\* See notes overleaf.

## **Notes on the System Configuration Tables**

**For iDCS500**, the figures quoted are for both 'M' and 'L' version systems. Where these are different, the figures in brackets are for 'M' version systems.

**For OS500**, the figures quoted are for 'S', 'M' and 'L' version systems. Where these are different, the figures in brackets are for 'S' and 'M' version systems.

**Station Group Numbers:** Values shown are for a 3-digit configured system (or 2-digit for 408). If system is configured for 4-digit group numbers, values are 5000–5xxx.

<sup>1</sup>Misc 2 card=381–4, AA card=381–6, both cards installed=381–90

<sup>2</sup>UCD Group can be created from any Station Group 501–529 (CI) or last 10 Station Groups 520–529 (DCS)

<sup>3</sup>UCD Group can only be created from last 10 Station Groups 510–519

<sup>4</sup>UCD Group can only be created from last three Station Groups 507–509

<sup>5</sup>UCD Group can be created from any Station Group

## Part 3. MMC Programs

This part contains all the MMC programs provided for your telephone system, presented in numerical order. The following information should help you when using MMCs.

- The procedure described for a particular MMC may be slightly different on your system and some LCD displays may not be exactly as shown. For example, port numbers may be different for the system you are programming. Refer to section [2.3 System Configuration: Quick Reference](#) in Part 2 for the relevant options for your system.
- 408 and 408i systems employ 2-digit extension and group numbers by default, unlike other systems which use 3- or 4-digit numbers by default. These dialling number plans can be changed by the system installer using MMC 724, so make sure you are aware of all dialling plans for your system.
- To identify which MMCs apply to your system, either refer to the [MMC lists](#) at the beginning of this manual, or locate the relevant MMC page (below) and refer to the header check box beneath the title.
- The procedure described for each MMC assumes you are the installer or system administrator with system-wide access via a passcode. However, MMCs 100–125 are also accessible to individual keyset users. If you are programming your own keyset at Station level, the procedure may be different and you should also refer to your Samsung Keyset User Guide for more information.

*Always remember that the displays shown for each MMC in this manual are provided as examples, and should be used for guidance only.*



**Make sure the correct country is first selected in [MMC 812](#) before carrying out any other programming.**

# MMC: 100

# STATION LOCK

**FOR:** ALL SYSTEMS

**Purpose:** Locks or unlocks an individual station or all stations simultaneously.

The options are:

- |   |            |   |
|---|------------|---|
| 0 | UNLOCKED   | Unlocks a locked station (all actions allowed)                              |
| 1 | LOCKED OUT | Prevents the station from accessing a C.O. line and making an external call |
| 2 | LOCKED ALL | Prevents the station from making or receiving calls                         |

## ACTION

1. Open programming and select **100**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and use RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Enter 0 to unlock, 1 to lock out or 2 to lock all (e.g., 1)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to save and exit  
OR  
Press SPEAKER to save and advance to next MMC

## DISPLAY

[201] STN LOCK  
UNLOCKED

[205] STN LOCK  
UNLOCKED

[ALL] STN LOCK  
??

[205] STN LOCK  
LOCKED OUT

**Default Data:** All stations UNLOCKED

**Related Items:** Station user programming

# MMC: 101 CHANGE USER PASSCODE

**FOR:** ALL SYSTEMS

**Purpose:** Resets keyset passcodes to their default value of "1234." (This MMC cannot display station passcodes.)

The passcode is used to lock or unlock the keyset for toll restriction (call barring) override and to access the DISA feature.

Note: Default passcodes cannot be used for toll restriction override, DISA access or the walking class of service function.

## ACTION

1. Open programming and select **101**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor right
3. Press HOLD to reset passcode
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] PASSCODE PASSCODE: ****
----------------------------------

[205] PASSCODE PASSCODE: ****
----------------------------------

[205] PASSCODE PASSCODE : 1234
-----------------------------------

**Default Data:** All station passcodes = 1234

**Related Items:** MMC 100 Station Lock

# MMC: 102

# CALL FORWARD

**FOR:** ALL SYSTEMS

**Purpose:** Sets call forward destinations for station users. Also allows call forwarding to be set after the destination has been entered.

The system allows a number of call forwarding options, depending on your system:

FORWARD CANCEL	NO ANSWER	FWD DND (Do Not Disturb) <sup>3</sup>
FWD ALL	BUSY/NO ANSWER <sup>1</sup>	
BUSY	EXT (fwd to external number) <sup>2</sup>	

<sup>1</sup> The FORWARD BUSY/NO ANSWER option allows both FORWARD BUSY and FORWARD NO ANSWER options to be activated at the same time, provided that destinations have already been entered for both.

<sup>2</sup> Forwarding to an external number is a separate option on all systems except OS500. For OS500, an external number can be entered as a destination for any of the other forwarding options.

<sup>3</sup> FWD DND allows you to select a forward destination for stations that is automatically selected when a station is put in DND mode. (iDCS and OS500 systems only.)

**iDCS500** and **iDCS100** systems also provide network-only forwarding options:

CFU (Call Forward All)	CFNR (Call Forward No Response)
CFB (Call Forward Busy)	CFB/CFNR (both options activated together provided destinations are already entered for each)

Network options are for forwarding calls to destinations on another system connected to your system's network.

## ACTION

## DISPLAY

- |   |                                   |
|---|-----------------------------------|
| 1. Open programming and select <b>102</b><br>Display shows  | [201] FORWARD<br>0:FORWARD CANCEL |
| 2. Dial station number (e.g., 205)<br>OR<br>Press VOLUME keys to select station and press RIGHT soft key to move cursor         | [205] FORWARD<br>0:FORWARD CANCEL |
| 3. Dial 0–5 to select forward type<br>OR<br>Press VOLUME keys to select forward type and press RIGHT soft key to move cursor    | [205] FORWARD<br>1:ALL CALL:None  |
| 4. Dial destination number (e.g., 201)<br>OR<br>Press VOLUME keys to select destination and press RIGHT soft key to move cursor | [205] FORWARD<br>1:ALL CALL:201   |



5. Dial 1 for YES, or 0 for NO to set if the option is to be made currently active (if YES, the option is immediately made active)

[205] FORWARD CURRENTLY SET : <u>Y</u> ES
--

OR

Press VOLUME keys to select YES or NO  
and press RIGHT soft key to return to step 2

6. Press Transfer/TRSF to store and exit

OR

Press SPEAKER to store and advance  
to next MMC

**Default Data:**     **All stations 0 (Forward Cancel)**

**Related Items:**    **MMC 301 Assign Station COS**  
                         **MMC 501 System-Wide Timers**  
                         **MMC 502 Station-Wide Timers**  
                         **MMC 701 Assign COS Contents**  
                         **MMC 722 Station Key Programming**  
                         **MMC 723 System Key Programming**

# MMC: 103

# SET ANSWER MODE

**FOR:** ALL SYSTEMS

**Purpose:** Changes the answer mode of any keyset. Each keyset can have its answer mode set to one of the following:

0. RING: The keyset will ring in one of eight custom ring patterns. Calls are answered by pressing the ANS/RLS or SEND key or by lifting the handset.

1. AUTO ANSWER: After giving a short attention tone, the keyset will automatically answer internal calls on the speakerphone\*. (When a C.O. line call is transferred to a keyset set for Auto Answer, the screened part of the call will be auto answered but the keyset will ring when the transfer is made, unless the user presses the ANS/RLS or SEND key or lifts the handset.)

2. VOICE ANNOUNCE: The keyset will not ring. After a short attention tone, callers can make an announcement but the ANS/RLS or SEND key or handset must be used to answer calls.

\* To answer C.O. calls automatically on iDCS500 and OS500 systems, also set ON the option AUTO ANS CO in [MMC 110](#).

## ACTION

## DISPLAY

1. Open programming and select **103**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select keyset  
and press RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial 0, 1 or 2 to change ring mode  
OR  
Press VOLUME keys to select ring mode and  
press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[201] ANS MODE  
RING MODE

[205] ANS MODE  
RING MODE

[ALL] ANS MODE  
?

[205] ANS MODE  
VOICE ANNOUNCE

**Default Data:** All keysets = RING  
Ring frequency default = 5

**Related Items:** MMC 111 Keyset Ring Tone

**MMC: 104****STATION NAME****FOR:** ALL SYSTEMS

**Purpose:** Enters a name, up to 11 characters, to identify an individual keyset. The name will display in the keyset's LCD.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the name is "SAM SMITH", press the number "7" four times to get the letter "S". Now press the number "2" once to get the letter "A". Continue selecting characters from the keypad to complete your name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions).

\* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

**ACTION****DISPLAY**

1. Open programming and select **104**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor
3. Enter the station name using the procedure  
described above and press RIGHT soft key to  
return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[201] STN NAME

[205] STN NAME  
\_[205] STN NAME  
SAM SMITH\_**Default Data:** None**Related Items:** None

# MMC: 105

# STATION SPEED DIAL

**FOR:** ALL SYSTEMS

**Purpose:** Programs personal speed dial numbers for stations. This may be particularly useful for single line telephones which are more difficult to program by the station user.

By default, each station has one block of speed dial locations or “bins” (numbered 00–09) assigned to it. One block can hold up to 10 numbers. However, each station can have up to five blocks of speed dial locations assigned to it—in [MMC 606, Assign Speed Block](#)—giving a total of 50 numbers (00–49).

Each speed dial may contain a trunk or trunk group access code (e.g. 9) followed by a separator (–) and up to 24 digits to be dialled. These dialled digits can be 0–9, \* and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

The following keys can also be used:

<u>"B"</u>	Insert a flash code "F"
<u>"C"</u>	Insert a pause code "P"
<u>"D"</u>	Insert a pulse/tone conversion code "C"
<u>"E"</u>	Mask/unmask following digits (shows as "[" or "]")
<u>"F"</u>	Enter name for speed dial bin (see <a href="#">MMC 106</a> )

(Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

## ACTION

## DISPLAY

- |  |  |
|--|--|
| 1. Open programming and select <b>105</b><br>Display shows   | [201] SPEED DIAL<br>00 :   |
| 2. Dial station number (e.g. 205)<br>OR<br>Press VOLUME keys to select station and press RIGHT soft key to move cursor<br>If selected station has no speed dial blocks assigned, the display will be as shown and a new station may be selected. | [205] SPEED DIAL<br>00 :<br><br>[205] SPEED DIAL<br>NO SPEED BLOCK |
| 3. Enter speed dial number (e.g., 05)<br>OR<br>Press VOLUME keys to select location and press RIGHT soft key to move cursor  | [205] SPEED DIAL<br>05: _  |
| 4. Enter trunk access code (e.g., 9) followed by the number to be dialled (e.g., 08104264100)  | [205] SPEED DIAL<br>05 : 9-08104264100 _                           |

If you make an error, press the HOLD key to clear an entire entry or use the VOLUME (Down) key to move the cursor back and enter correct number

5. Press the "F" key to access MMC 106, *Station Speed Dial Name*, to enter a name  
OR  
Press the LEFT soft key to return to step 3 (and enter new speed dial no)  
OR  
Press the RIGHT soft key to return to step 2 (and enter new station number)  
OR  
Press Transfer/TRSF to save and exit  
OR  
Press SPEAKER to save and advance to next MMC

**Default Data:**            **None**

**Related Items:**        **MMC 106 Station Speed Dial Name**  
                              **MMC 606 Assign Speed Block**

# MMC: 106 STATION SPEED DIAL NAME

**FOR:** ALL SYSTEMS

**Purpose:** Allows a name, up to 11 characters, to be entered for each personal speed dial location. This name enables the speed dial number to be located when the directory dial feature is used. The directory dial feature allows the display keyset user to select a speed dial location by viewing its name.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the name is "SAM SMITH", press the number "7" four times to get the letter "S". Now press the number "2" once to get the letter "A" Continue selecting characters from the keypad to complete your name. Press the programmable **"A" key** to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

## DISPLAY

1. Open programming and select **106**  
Display shows  

[201] SPEED NAME  
00:
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor  

[205] SPEED NAME  
00:

  
If selected station has no speed dial bins, the display will be as shown and a new station may be selected  

[205] SPEED NAME  
NO SPEED BLOCK
3. Dial speed dial location (e.g., 01)  
OR  
Press VOLUME keys to scroll through location numbers and press RIGHT soft key to move cursor  

[205] SPEED NAME  
01:\_
4. Enter the location name using the procedure described above and press RIGHT soft key to return to step 2  

[205] SPEED NAME  
01:SAM SMITH\_
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**        **None**

**Related Items:**        **MMC 105 Station Speed Dial**  
                              **MMC 606 Assign Speed Block**

# MMC: 107

# KEY EXTENDER

**FOR:** ALL SYSTEMS

**Purpose:** Views programmed key assignments and assigns extenders to programmable keys on keysets. (Extenders may also be entered in [MMC 722](#) or [MMC 723](#) when programming key assignments.)

You assign key extenders to those programmed keys which can have extenders to make general access feature keys more specific. For example, you may want to set a Speed Dial key to dial personal speed dial code 01 when selected (SPD01) or set a PAGE key to page zone 1 only (PAGE1). The feature keys that can have extenders are listed in the table over the page.

## ACTION

1. Open programming and select **107**  
Display shows  
OR  
For 408 and 408i systems, display shows:
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor
3. Enter key number (e.g., key 18)  
OR  
Press VOLUME keys to scroll through and select key and use RIGHT soft key to move the cursor  
OR  
Press programmed key
4. Use table below to select extender (e.g. 207)  
System returns to step 3
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] EXT (MAST)  
01:CALL1 →

OR

[21] EXT EXTEND  
01:DT71 →

[205] EXT (MAST)  
01:CALL1 →

[205] EXT (MAST)  
18:DS → DS\_

205] EXT (MAST)  
18:DS →DS207

Note: If the RIGHT soft key will not move the cursor to the right, you are attempting to add an extender to a key that cannot have one.

**Default Data:** None

**Related Items:** **MMC 720 Copy Key Programming**  
**MMC 721 Save Station Key Programming**  
**MMC 722 Station Key Programming**  
**MMC 723 System Key Programming**



KEY	FUNCTION	EXTENDER					
		DCS	CII	816	408/408i	iDCS	OS500
AB	Absence	Station number					
ACC or ACCT	Account Code	N/A				000-999 (iDCS500 only)	000-999
BOSS	Boss and Secretary	1-4	1-4	1-4	1-2	1-4	1-4
CR	Call Record (Voice Mail)	Mailbox number					
CS	UCD Call Status	UCD group number					
DIR	Directory dial by name type	1-3					
DP	Directed Pick Up	Station or station group number					
DS	Direct Station Select	Station number					
EP	Established Call Pickup	N/A				Station no. (iDCS500 'L' only)	Station no.
FWRD	Call Forward	0-5	0-5	0-5	0-5	0-4, 6-9, *	0-5
GPIK	Group Pick Up	01-20	01-20	01-08	01-04	01-99 (iDCS500), 01-20 (iDCS100)	01-99
IG	In/Out Group	Station group number					
MMPG	Meet Me Page	0-9, *	0-9, *	0-4, 5, *	0-2, 5, *	0-9, *	0-9, *
MS	Manual Signalling	N/A				Stn or stn grp no. (iDCS500 'L' only)	Station or station group no.
MW	Message Waiting	N/A				Stn or Stn Grp no. (iDCS500 'L' only)	Station or station group no.
PAGE	Page	0-9, *	0-9, *	0-4, 5, *	0-2, 5, *	0-9, *	0-9, *
PARK	Park Orbits	0-9					
PMSG	Programmed Station Message	01-20				01-25 (iDCS500 'L') 01-20 (iDCS500 'M' and iDCS100)	01-20
RP	Ring Plan	N/A				1-6	1-6
RSV	Room Status View	0-4	0-4	N/A	N/A	0-4	0-4
SG	Station Group	Station group number					

KEY	FUNCTION	EXTENDER					
		DCS	CII	816	408/408i	iDCS	OS500
SP	UCD Supervisor	UCD group number			N/A	UCD group number	
SPD	Speed Dial: Personal System	00–49, 500–999		00–49 500–799	00–49 500–699	00–49 500–999	00–49 500–999 or 050–999
VG	VM group message	Station group number					
VM	VM Memo	Station or station group number					
VT	VM Transfer	VM/AA group number					

# MMC: 108

# STATION STATUS

FOR:

ALL SYSTEMS

**Purpose: (This is a read-only MMC.)**

Displays the attributes (status) of a station. Use the VOLUME keys to scroll through the status displays for your system in the sequence shown in the table.

DCS	Compact II	816	408 / 408i	iDCS500	iDCS100	OS500
PORT NO: #: Cabinet (1-3) / Slot (1-7) / Port (1-16)	PORT NO: Slot (BASE, OSLI, MISC, EX1-7) / Port (1-16)	PORT NO: 8DLI (01-08) or 4SLI (01-04)	PORT NO: 4DLI (01-04) or 4SLI (01-04)	PORT NO: Cabinet (1-3) / Slot (1-9) / Port (1-16)	PORT NO: Cabinet (1-3) / Slot (1-9) / Port (1-16)	PORT NO: Cabinet (1-3) / Slot (1-9) / Port (1-16)
TENANT NUMBER: 1-2	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)	TYPE: Type of phone (e.g. 12B EU)
TYPE: Type of phone (e.g. 12B, 24B)	PICKUP GROUP: None, 01-20	PICKUP GROUP: None, 01-08	PICKUP GROUP: None, 01-04	PICKUP GROUP: None, 01-99	PICKUP GROUP: None, 01-20	PICKUP GROUP: None, 01-99
PICKUP GROUP: None, 01-20	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number	SGR: None, Station Group Number
SGR: Station Group Number	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR	BOSS-SECR: None, BOSS, SECR
BOSS-SECR: None, BOSS, SECR	PAGE: Page Zone (None, 1-4, *)	PAGE: Page Zone (None, 1-4, *)	PAGE: Page Zone (None, 1-2)	PAGE: Page Zone (None, 1-4, *)	PAGE: Page Zone (None, 1-4, *)	PAGE: Page Zone (None, 1-4, *)
PAGE: Page Zone (None, 1-4, *)	DAY COS NO: COS (01-30)	DAY COS NO: COS (01-10)	DAY COS NO: COS (1-4)	COS (01-30) for Ring Plans 1&2	COS (01-30) for Ring Plans 1&2	COS (01-30) for Ring Plans 1&2
DAY COS NO: COS (01-30)	NIGHT COS NO: COS (01-30)	NIGHT COS NO: COS (01-10)	NIGHT COS NO: COS (1-4)	COS (01-30) for Ring Plans 3&4	COS (01-30) for Ring Plans 3&4	COS (01-30) for Ring Plans 3&4
NIGHT COS NO: COS (01-30)	—	—	—	COS (01-30) for Ring Plans 5&6	COS (01-30) for Ring Plans 5&6	COS (01-30) for Ring Plans 5&6
—	—	—	—	TENANT GROUP: 1-2	TENANT GROUP: 1-2	TENANT GROUP: 1-2

## ACTION

1. Open programming and select **108**  
Display shows first station (e.g. for Compact II)
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor
3. Press VOLUME keys to scroll through status  
displays and press RIGHT soft key to return to  
step 2
4. Press Transfer/TRSF to exit  
OR  
Press SPEAKER to advance to next MMC

## DISPLAY

[201] STN STATUS PORT NO:BASE01
------------------------------------

[205] STN STATUS PORT NO:EX1-01
------------------------------------

<b>Default Data:</b>	<b>Port No:</b>	<b>Follows hardware position</b>
	<b>Type:</b>	<b>Follows phone type</b>
	<b>Tenant Number:</b>	<b>1</b>
	<b>Pickup Group:</b>	<b>01</b>
	<b>SGR:</b>	<b>None</b>
	<b>Boss-Secr:</b>	<b>None</b>
	<b>Page:</b>	<b>None</b>
	<b>Day COS No:</b>	<b>01 (or 1)</b>
	<b>Night COS No:</b>	<b>01 (or 1)</b>
	<b>COS all ring plans</b>	<b>01 (iDCS &amp; OS500 only)</b>

<b>Related Items:</b>	<b>MMC 301 Assign Station COS</b>
	<b>MMC 302 Pickup Groups</b>
	<b>MMC 303 Assign Boss/Secretary</b>
	<b>MMC 601 Assign Station Group</b>
	<b>MMC 604 Assign Station to Page Zone</b>
	<b>MMC 803 Assign Tenant Group</b>

# MMC: 109

# DATE DISPLAY

**FOR:** ALL SYSTEMS

**Purpose:** Selects the date and time display mode on a per-keyset basis or system-wide.

- 0 COUNTRY Sets overall display format and has two options:  
0 = ORIENTAL MM/DD DAY HH:MM  
1 = WESTERN DAY DD MON HH:MM
- 1 CLOCK Sets format of clock display and has two options:  
0 = 12 HOUR Displays 1 P.M. as 01:00  
1 = 24 HOUR Displays 1 P.M. as 13:00
- 2 DISPLAY Sets format of DAY and MONTH display and has two options:  
0 = UPPER CASE Displays Friday as FRI and March as MAR  
1 = LOWER CASE Displays Friday as Fri and March as Mar

## ACTION

## DISPLAY

1. Open programming and select **109**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select keyset and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial 0–2 to select option (e.g. Country)  
OR  
Press VOLUME keys to scroll through modes and  
press RIGHT soft key to move cursor
4. Dial 0 or 1 to select option format (e.g. Oriental)  
OR  
Press VOLUME keys to select format and  
press RIGHT soft key to return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[201] DAY FORMAT  
COUNTRY:WESTERN

[205] DAY FORMAT  
COUNTRY:WESTERN

[ALL] DAY FORMAT  
COUNTRY:?

[205] DAY FORMAT  
COUNTRY:WESTERN

[205] DAY FORMAT  
COUNTRY:ORIENTAL

**Default Data:**      **Country:**      **Western**  
                         **Clock:**        **24 hour**  
                         **Display:**      **Lowercase**

**Related Items:**      **MMC 505 Assign Date and Time**

# MMC: 110

# STATION ON/OFF

**FOR:** ALL SYSTEMS

**Purpose:** Sets the following keyset features on/off.

AUTO HOLD	Automatically places an existing C.O. call on hold if a CALL key, trunk key or trunk route key is pressed during that call.
AUTO TIMER	Automatically starts the stopwatch timer during a C.O. call. (CALL COST option, below, should be OFF for this feature to work.)
HEADSET USE	When ON, this feature disables the hookswitch and allows a headset to be used. Calls are answered and disconnected using the ANS/RLS key (or SEND and END keys).
HOT KEYPAD	When ON, this feature allows the user to dial numbers on the keypad without having to first lift the handset or press the SPEAKER key.
KEY TONE	Allows the user to hear a slight tone when pressing keys on the keyset.
PAGE REJOIN	Allows the user to hear the latter part of page announcements if the keyset becomes free during a page.
RING PREF.	When OFF, requires the user to press the fast flashing key to answer a ringing call after lifting the handset.
CALL COST	If enabled (ON), LCD shows real-time call cost based on Metering Pulses arrived. (See AUTO TIMER option.)
AUTO CAMPON	If enabled (ON), station will automatically camp on to dialled extension without the user pressing the CAMP-ON key (iDCS500 'L' and OS500 systems only).
AME BGM	Determines whether a station using Answering Machine Emulation will hear their personal greeting or background music (BGM) while callers are listening to the personal greeting. A BGM source must be selected for this to work. (Cadence, SVMi-8, SVMi-16 and SVMi-4 voice mail systems only.)
AME PSWD/ PASSCODE	Sets the Answering Machine Emulation password ON or OFF. (Voice mail systems only.)
DISP SPDNAME	If enabled (ON), the speed dial name associated with a speed dial number is displayed on a keyset with LCD when using speed dialling (iDCS500 'L' and OS500 systems only).
CID REVW ALL	If enabled (ON), saves information on all calls that ring at an extension. If disabled (OFF), saves information only on calls that were not answered at the extension or which were answered by voice mail (iDCS500 'L' and OS500 systems only).
SECURE OHVA	If enabled (ON), OHVA calls will be heard over the handset, not over the speakerphone (iDCS500 'L' and OS500 systems only).

NOT CONT.CID	When ON, the keyset displays the call timer for the duration of an incoming trunk call (if AUTO TIMER is ON). When OFF, the CLIP number for a call is displayed for the duration of the call. (Not applicable to 408 systems.)
AUTO ANS CO	If enabled (ON), keyset will automatically answer outside calls through the speakerphone. For this to work, the keyset must be set to Auto Answer mode in <a href="#">MMC 103</a> . Calls to groups cannot be auto-answered. (iDCS500 and OS500 systems only.)
ENBLOCK 2LCD	Enables Enbloc dialling for 2-Line LCD phones. (OS500 systems only.)

## ACTION

## DISPLAY

- |   |                                     |
|---|-------------------------------------|
| 1. Open programming and select <b>110</b><br>Display shows  | [201] STN ON/OFF<br>AUTO HOLD :OFF  |
| 2. Dial station number (e.g., 205)<br>OR<br>Press VOLUME keys to select keyset and press RIGHT soft key to move cursor<br>OR<br>Select all stations ( <a href="#">see section 1.5.2</a> ) | [205] STN ON/OFF<br>AUTO HOLD :OFF  |
| 3. Press VOLUME keys to select option and press RIGHT soft key to move cursor   | [ALL] STN ON/OFF<br>AUTO HOLD :?    |
| 4. Dial 1 for ON or 0 for OFF<br>OR<br>Press VOLUME keys to select ON or OFF and press LEFT or RIGHT soft key to return to step 3   | [205] STN ON/OFF<br>HOT KEYPAD :ON  |
| 5. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next MMC  | [205] STN ON/OFF<br>HOT KEYPAD :OFF |

**Default Data:**

AUTO HOLD	Off	AME BGM	Off
AUTO TIMER	On	AME PSWD/CODE	Off
HEADSET USE	Off	DISP SPDNAME	Off
HOT KEYPAD	On	CID REVW ALL	On
KEY TONE	On	SECURE OHVA	On
PAGE REJOIN	On	NOT CONT.CID	Off
RING PREF	On	AUTO ANS CO	Off
CALL COST	Off	AUTO ANS NET	Off
AUTO CAMPON	Off	ELBLOCK 2LCD	Off

**Related Items:**      **MMC 301 Assign Station COS**  
                         **MMC 701 Assign COS Contents**



# MMC: 111

# KEYSET RING TONE

**FOR:** ALL SYSTEMS

**Purpose:** Selects the ring tone heard at each keyset.

There are eight (1–8) ring tones available. A short tone burst of the selection will be heard when a key is pressed.

## ACTION

1. Open programming and select **111**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial 1–8 to select ring tone  
OR  
Press VOLUME keys to select ring tone and press  
RIGHT soft key to move cursor
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[201] RING TONE  
SELECTION 5

[205] RING TONE  
SELECTION 5

[ALL] RING TONE  
SELECTION ?

[205] RING TONE  
SELECTION 6

**Default Data:** SELECTION 5

**Related Items:** MMC 114 Station Volume

# MMC: 112

# ALARM REMINDER

**FOR:** ALL SYSTEMS

**Purpose:** Sets or changes the alarm clock/appointment reminder feature for any station. A number of alarms may be set for each station: three (1–3) for DCS, iDCS and OS500 systems, or two (1–2) for Compact II, 816 and 408/408i systems. Each alarm may be defined as a one-time or TODAY alarm, or as a DAILY alarm, or NOTSET as described below.

Dial 0: NOTSET      Dial 1: TODAY      Dial 2: DAILY

The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time.

## ACTION

1. Open programming and select **112**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor
3. Dial alarm number (e.g., 2)  
OR  
Press VOLUME keys to select alarm and press RIGHT soft key to move cursor  
OR  
Press LEFT soft key to return to step 2
4. Enter alarm time in 24-hour clock format (e.g., 1300)  
Display will automatically advance to step 5
5. Dial valid entry from above list for alarm type (e.g. 2, DAILY)  
OR  
Press VOLUME keys to select alarm type and press RIGHT soft key to move cursor and return to step 2
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201]	ALM CLK(1)
HHMM:	→NOTSET

[205]	ALM CLK(1)
HHMM:	→NOTSET

[205]	ALM CLK(2)
HHMM:	→NOTSET

[205]	ALM CLK (2)
HHMM:1300	→NOTSET

[205]	ALM CLK (2)
HHMM:1300	→DAILY

**Default Data:** Alarms set to NOTSET

**Related Items:** None

# MMC: 113

# VIEW MEMO NUMBER

**FOR:** ALL SYSTEMS

**Purpose:** Enters memos on stations. Up to three memos can be entered, depending on your system. [MMC 116 \(Alarm and Message\)](#) can be programmed to remind the keyset user to read the memo(s).

Each memo can be up to 13 characters long and is entered using the dial keypad. For example, press "6" twice to enter the letter "M", and press "3" three times for an "E". Continue selecting characters from the keypad to complete the memo. Press the programmable ["A" key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

**Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

1. Open programming and select **113**  
Display shows
2. Dial the keyset number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor
3. Dial memo number (1–3)  
OR  
Press VOLUME keys to select and press RIGHT soft key to move cursor
4. Press RIGHT soft key to move cursor and add memo using above procedure
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] VIEW MEMO  
1:

[205] VIEW MEMO  
1:

[205] VIEW MEMO  
1:\_

[205] VIEW MEMO  
1:CALL TOM

**Default Data:** None

**Related Items:** MMC 116 Alarm and Message

# MMC: 114

# STATION VOLUME

**FOR:** ALL SYSTEMS

**Purpose:** Sets volume levels for keysets.

- |   |              |   |
|---|--------------|---|
| 0 | RING VOLUME  | Set a level for ring volume. There are eight volume levels: level 1 is the lowest and level 8 the highest.  |
| 1 | OFF-RING VOL | Set a level for off-hook ring volume. There are eight volume levels: level 1 is the lowest and level 8 the highest.   |
| 2 | HANDSET VOL  | Set a level for listening volume through handset. There are eight volume levels: level 1 is the lowest and level 8 the highest.   |
| 3 | SPEAKER VOL  | Set a level for listening volume for conversations through the speaker. There are 16 volume levels: level 1 is the lowest and level 16 the highest.   |
| 4 | BGM VOLUME   | Set a level for background music volume. There are 16 volume levels: level 1 is the lowest and level 16 the highest.  |
| 5 | PAGE VOLUME  | Set a level for listening volume for internal page through the speaker when your keyset is idle and BGM is turned on. There are 16 volume levels: level 1 is the lowest and level 16 the highest (iDCS and OS500 only). |

## ACTION

1. Open programming and select **114**  
Display shows
2. Dial keyset number (e.g. 205)
3. Dial option number (e.g. 1)  
OR  
Press VOLUME keys to select option and press RIGHT soft key
4. Dial volume level using keypad (you will hear a brief tone for the level you select) and system returns to step 3  
OR  
Press VOLUME keys to select volume (you will hear a brief tone for each level) and press RIGHT soft key to return to step 3
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] STN VOLUME  
RING VOLUME : 4

[205] STN VOLUME  
RING VOLUME : 4

[205] STN VOLUME  
OFF-RING VOL: 4

[205] STN VOLUME  
OFF-RING VOL: 3

<b>Default Data:</b>	<b>Ring Volume</b>	<b>4</b>
	<b>Off-Hook Ring Volume</b>	<b>4</b>
	<b>Handset Volume</b>	<b>4</b>
	<b>Speaker Volume</b>	<b>13</b>
	<b>BGM Volume</b>	<b>13</b>
	<b>Page Volume</b>	<b>13</b>

**Related Items:**      **MMC 111 Keypad Ring Tone**

# MMC: 115 SET PROGRAMMED MESSAGE

**FOR:** ALL SYSTEMS

**Purpose:** Sets or cancels a programmed message at individual or all keysets.

There are up to 20 or 30 programmed messages available (01–20 or 01–30) depending on the system you are using. These messages are as set up in [MMC 715, Programmed Station Message](#).

## ACTION

1. Open programming and select **115**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT  
soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial 01–20 to select message number  
OR  
Press VOLUME keys to select message\* and press RIGHT soft key to return to step 2  
OR  
Select 00 to cancel a previously set message
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] PGMMMSG(00)  
CANCEL PGM MSG

[205] PGMMMSG(00)  
CANCEL PGM MSG

[ALL] PGMMMSG(??)

[205] PGMMMSG(05)  
PAGE ME

**Default Data:** No messages selected

**Related Items:** MMC 715 Programmed Station Message  
MMC 722 Station Key Programming  
MMC 723 System Key Programming

**MMC: 116****ALARM AND MESSAGE****FOR:** ALL SYSTEMS

**Purpose:** Sets or changes the alarm clock/appointment reminder feature for individual or all keysets.

For DCS, iDCS and OS500 systems, three alarms (1–3) can be set for each station. For other systems, two alarms (1–2) can be set. Each alarm may be defined as a one-time or TODAY alarm, as a DAILY alarm, or NOTSET as described below. The TODAY alarm is automatically cancelled after it rings, while the DAILY alarm rings every day at the same time. It is also possible to set a message to display when the alarm is sounded.

Dial	Alarm Type
0	NOTSET
1	TODAY
2	DAILY

Messages are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the message is “MEETING”, press the number “6” once to get the letter “M”. Now press the number “3” twice to get the letter “E” Continue selecting characters from the keypad to complete your message. Press the programmable [“A” key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

**ACTION**

1. Open programming and select **116**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial alarm number (e.g., 2)  
OR  
Press VOLUME keys to select alarm and press RIGHT soft key to move cursor

**DISPLAY**

[201]	ALM REM(1)
HHMM:	→ NOTSET

[205]	ALM REM(1)
HHMM:	→ NOTSET

[ALL]	ALM REM(1)
HHMM:	→ NOTSET

[205]	ALM REM(2)
HHMM:	→ NOTSET

4. Enter alarm time in 24-hour clock format  
(e.g., 1300 for 1pm)
5. Dial valid entry from above list for alarm type (e.g.  
2, DAILY)  
OR  
Press VOLUME keys to select alarm type and  
press RIGHT soft key to move cursor
6. Enter message using above method and press  
RIGHT soft key to return to step 2
7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[205]	ALM REM(2)
HHMM:1300→ NOTSET	

[205]	ALM REM(2)
HHMM:1300→ <u>D</u> AILY	

[205]	ALM REM(2)
Meeting	

**Default Data:**            **Alarms set to NOTSET**

**Related Items:**        **None**



# MMC: 117

# TEXT MESSAGE

**FOR: OS500**

**Purpose:** Allows emergency text messages of up to 16 characters to be entered or changed. Only stations allowed to use text messages in [MMC 611](#) can be selected here. A station can use up to 10 emergency text messages.

Messages are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, press the number “6” once to get the letter “M” or the number “3” twice to get the letter “E.” Continue selecting characters from the keypad to complete your message. Press the programmable [“A” key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

1. Open programming and select **117**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor  
  
(NOT PERMIT is displayed if the station has not been selected in MMC 611)
3. Dial the message number (00–10)  
OR  
Press VOLUME keys to select message and press RIGHT soft key to move cursor
4. Enter the message using the procedure described above and press RIGHT soft key to return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] TXTMSG(01)  
Blank Message

[205] TXTMSG(01)  
Blank Message

[205] TXTMSG(01)  
Blank Message

[205] TXTMSG(01)  
PLEASE CALL ME

**Default Data:**        **None**

**Related Items:**        **MMC 611 Text Message Station**

# MMC: 118

# CONFERENCE GROUP

**FOR: OS500**

**Purpose:** Sets conference groups for stations. Only stations set to use conference groups in [MMC 612](#) can be selected here. A station is allowed up to five conference groups. The maximum number of members per conference group is four, excluding the station itself. Each group can be allocated a name.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, press the number “6” once to get the letter “M” or the number “3” twice to get the letter “E.” Continue selecting characters from the keypad to complete your message. Press the programmable [“A” key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

## DISPLAY

1. Open programming and select **118**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor
3. Dial group number (1–5) e.g. 1  
OR  
Press VOLUME keys to select number and press RIGHT soft key to move cursor
4. Dial 0 to enter a group name (see step 5a) or dial 1–4 to enter a number for group member MBR1–4 (see step 5b)  
OR  
Press VOLUME keys to select option (NAME or MBR1–4) and press RIGHT soft key to move cursor
- 5(a) To enter the group name, use the procedure described above and press RIGHT soft key

[202] GRP(1)NAME

[205] GRP(1)NAME

[205] GRP(1)NAME

[205] GRP(1)NAME

[205] GRP(1)NAME  
GROUP1

- 5(b) To enter a member number (e.g. MBR1), use the dial keypad and include an access code for external numbers (the hyphen is entered automatically)

[205] GRP(1)MBR1 9-123456789
---------------------------------

Press RIGHT soft key

6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**            **None**

**Related Items:**        **MMC 612 Group Conference Station**

# MMC: 119

# CLIP DISPLAY

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Changes the order in which CLIP information is displayed on a keyset LCD.

CLIP display options are:

- |   |              |   |
|---|--------------|---|
| 0 | NO DISPLAY   | No CLIP data is displayed.  |
| 1 | NUMBER FIRST | CLIP number received from central office is displayed first.      |
| 2 | NAME FIRST   | CLIP name is displayed first (if set in <a href="#">MMC 728</a> ) |

## ACTION

## DISPLAY

- |  |   |
|--|---|
| <p>1. Open programming and select <b>119</b><br/>Display shows</p>   | <p>[201] CLIP DISP.<br/>NUMBER FIRST</p>  |
| <p>2. Enter keyset number (e.g. 204)<br/>OR<br/>Press VOLUME keys to scroll through stations and<br/>press RIGHT soft key to select a station<br/>OR<br/>Select all stations (<a href="#">see section 1.5.2</a>)</p> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>[204] CLIP DISP.<br/>NUMBER FIRST</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>[ALL] CLIP DISP.<br/>?</p> </div> |
| <p>3. Dial display option 0, 1 or 2 (e.g. 2)<br/>Press VOLUME keys to select option and press<br/>RIGHT or LEFT soft key to return to step 2</p>   | <p>[204] CLIP DISP.<br/>NAME FIRST</p>  |
| <p>4. Press Transfer/TRSF to store and exit<br/>OR<br/>Press SPEAKER to save and advance to next<br/>MMC</p>   |   |

**Default Data :**      **NUMBER FIRST**

**Related Items:**      **MMC 728 CLIP Translation Table**

# MMC: 120

# LARGE OPTION

FOR: OS500

**Purpose:** Sets option selections for large LCD phones (ITP/DS-5012L).

Option	Selection
0 IDLE DISP	Display CALENDAR or INFORMATION when phone is in idle state
1 DS KEY DSP	Display extension name (EXT NAME) or number (TEL NUMBER) of Direct Station Selection buttons on LCD
2 DIAL MODE	Set OVERLAP or ENBLOC mode
3 CONV DISP	SOFT MENU FIRST  If selected, features assigned to keys are displayed when SCREEN key is pressed while on a call.  AOM KEY FIRST  If selected, extensions assigned to keys are displayed when SCREEN key is pressed while on a call.

## ACTION

## DISPLAY

1. Open programming and select **120**  
Display shows
2. Enter keyset number (e.g. 204)  
OR  
Press VOLUME keys to scroll through stations and press RIGHT soft key to select a station  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial display option 0–3 (e.g. 1)  
OR  
Press VOLUME keys to select option and press RIGHT soft key
4. Press VOLUME keys to select display type and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to save and advance to next MMC

[201] IDLE DISP  
CALENDAR

[204] IDLE DISP  
CALENDAR

[ALL] IDLE DISP  
CALENDAR

[204] DS KEY DSP  
EXT NAME

[204] DS KEY DSP  
TEL NUMBER

**Default Data :**      **IDLE DISP=CALENDAR**  
                         **DS KEY DSP=TEL NUMBER**  
                         **DIAL MODE=ENBLOCK**  
                         **CONV DISP= SOFT MENU FIRST**

**Related Items:**      **MMC 719 Idle Display**

# MMC: 121

# KEYSET LANGUAGE

**FOR:** ALL SYSTEMS

**Purpose:** Assigns an LCD display based on a keyset user's own language. Options include some or all of the following, depending on your system:

ENGLISH	ITALY
GERMAN	SPANISH
PORTUGAL	SWEDISH
NORSK (NORWAY)	SPANISH / USA
DANISH	FRENCH / CANADA
DUTCH	

## ACTION

## DISPLAY

1. Open programming and select **121**  
Display shows
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to select keyset and press  
RIGHT soft key  
OR  
Select all stations ([see section 1.5.2](#))
3. Press VOLUME keys to select language and press  
RIGHT soft key.
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[201] LANGUAGE  
ENGLISH

[205] LANGUAGE  
ENGLISH

[ALL] LANGUAGE  
?

[205] LANGUAGE  
GERMAN

**Default Data:** ENGLISH

**Related Items:** MMC 809 System MMC Language

# MMC: 122

## SPOT INFO SPD

FOR:	iDCS500	iDCS100	OS500
------	---------	---------	-------

**Purpose:** Regulates the speed at which messages scroll across keyset displays when the INF DSP key is pressed. The INF DSP key is assigned in either [MMC 722](#) or [MMC 723](#). Values are set between 0300 mS (fastest speed) and 1 second (lowest speed).

Note: INF DSP refers to the information display associated with the EasySet and Easylink applications available from Samsung. Contact your dealer for more details.

### ACTION

### DISPLAY

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Open programming and select <b>122</b><br/>Display shows</li> </ol>   | <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> [201] CALL SPEED<br/>03→ </div>  |
| <ol style="list-style-type: none"> <li>2. Dial keyset number (e.g., 205)<br/>OR<br/>Press VOLUME keys to select keyset and press RIGHT soft key<br/>OR<br/>Select all stations (<a href="#">see section 1.5.2</a>)</li> </ol> | <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> [205] CALL SPEED<br/>03→_ </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> [ALL] CALL SPEED<br/>03→_ </div> |
| <ol style="list-style-type: none"> <li>3. Enter value 03–10 (two digits) e.g. 07</li> </ol>   | <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> [205] CALL SPEED<br/>03→07 </div>  |
| <ol style="list-style-type: none"> <li>4. Press Transfer/TRSF to store and exit<br/>OR<br/>Press SPEAKER to store and advance to next MMC</li> </ol>  |   |

**Default Data:**           **0300 mS**

**Related Items:**       **MMC 722 Station Key Programming**  
                             **MMC 723 System Key Programming**



# MMC: 125

## EXECUTIVE STATE

FOR: OS500

**Purpose:** Sets the 'state' of an executive (boss) station for display to calling stations. The state of the executive station can be displayed when working with the Easyset application (see your dealer for more information). It also allows you to set the answer mode for executive/secretary calling.

The selectable options are:

EXEC STATE	Select current status of executive (messages 0-9). The messages are: IN THE ROOM IN A MEETING IN HOUSE OUT OF TOWN GONE HOME SHORT TERM TRIP LONG TERM TRIP ON VACATION OTHERS (IN) OTHERS (OUT)
STATE (IN)	Enter additional information for current status (executive IN)
STATE (OUT)	Enter additional information for current status (executive OUT)
ANS MODE	Set answer mode for executive/secretary calling: Ring, Auto Answer, Voice Announce. (Refer to <a href="#">MMC 103</a> for a description of answer modes.)

Text messages are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, press the number "6" once to get the letter "M" or the number "3" twice to get the letter "E." Continue selecting characters from the keypad to complete your message. Press the programmable "[A](#)" key to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME Up key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	'

**ACTION**

**DISPLAY**

- |   |                                 |
|---|---------------------------------|
| 1. Open programming and select <b>125</b><br>Display shows  | [201] EXEC STATE<br>IN THE ROOM |
| 2. Dial keyset number (e.g. 205)<br>OR<br>Press VOLUME keys to select keyset and press<br>RIGHT soft key  | [205] EXEC STATE<br>IN THE ROOM |
| 3. Press VOLUME keys to select option (e.g. EXEC<br>STATUS) and press RIGHT soft key  | [205] EXEC STATE<br>IN THE ROOM |
| 4. Dial message number 0-9<br>OR<br>Press VOLUME keys to select message and press<br>RIGHT soft key   | [205] EXEC STATE<br>ON VACATION |
| 5. Select the next option if required. For example, set<br>additional messages for display using STATE (IN)<br>or STATE (OUT) or set answer mode by selecting<br>ANSWER MODE. |                                 |
| 6. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next<br>MMC   |                                 |

**Default Data:**            **None**

**Related Items:**        **MMC 303 Assign Boss/Secretary**

# MMC: 200

# OPEN CUSTOMER PROGRAMMING

**FOR:** ALL SYSTEMS

**Purpose:** Opens (enables) or closes (disables) customer-level programming.

If programming is not opened and an attempt is made to access a customer-level MMC, the error message [NOT PERMIT] will be displayed. A four-digit passcode is required to enable customer programming (by default this is 1234, but can be changed in [MMC 201](#), if required). Each digit can be 0–9. When opened, this MMC allows access to all MMCs specified by the system installer in [MMC 802, Customer Access MMC Number](#).

## ACTION

## DISPLAY

1. Press **Transfer/TRSF 200**  
Display shows

ENABLE CUS.PROG.  
PASSCODE:\_

2. Enter passcode

ENABLE CUS.PROG.  
PASSCODE:\*\*\*\*

Correct code shows

ENABLE CUS.PROG.  
DISABLE

Incorrect code shows

ENABLE CUS.PROG.  
PASSWORD ERROR

3. Dial 1 for ENABLE or 0 for DISABLE  
OR  
Press VOLUME keys to select ENABLE or DIS-  
ABLE and press RIGHT soft key

ENABLE CUS.PROG.  
ENABLE

4. Press SPEAKER to advance to MMC entry level  
and press VOLUME keys to select MMC (e.g.  
212)  
OR  
Enter MMC number and press RIGHT soft  
key to enter MMC

212:ALARM RING  
SELECT PROG. ID

5. Press Transfer/TRSF to exit

**Default Data:** DISABLE (closed)  
Passcode=1234

**Related Items:** MMC 201 Change Customer Passcode  
MMC 501 System-Wide Timers  
MMC 802 Customer Access MMC Number

# MMC: 201

## CHANGE CUSTOMER PASSCODE

**FOR:** ALL SYSTEMS

**Purpose:** Changes the passcode which allows access to [MMC 200, Open Customer Programming](#), from its current value.

### ACTION

1. Open programming and select **201**
  2. Enter new passcode (maximum four digits)
  3. Re-enter new passcode for verification
- If verification is successful you see this display:  
and you should now go to step 4  
OR  
If verification fails you see this display:  
and the system returns to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

CUST. PASSCODE  
NEW CODE: \_

CUST. PASSCODE  
NEW CODE: \*\*\*\*

CUST. PASSCODE  
VERIFY : \*\*\*\*

CUST. PASSCODE  
VERIFY :SUCCESS

CUST. PASSCODE  
VERIFY :FAILURE

**Default Data:** Passcode = 1234

**Related Items:** MMC 200 Open Customer Programming

# MMC: 202

# CHANGE FEATURE PASSCODES

**FOR:** DCS CII 816 408i 408 iDCS100 iDCS500 OS500

**Purpose:** Changes the passcode for the following features.

RING PLAN ( <i>i</i> DCS & OS500 only)	DECT (BSI) REGISTER
DAY/NIGHT ( <i>not i</i> DCS or OS500)	DELETE ('Delete' code for Hotel billing—refer to your Hotel documentation)
DISA ALARM	
ALARM CLR (Alarm Clear)	WLI REGISTER (OS500 only)
AA RECORD	

Note: The passcode is four digits long. Each digit can be 0–9.

## ACTION

- Open programming and select **202**  
Display shows
- Press VOLUME keys to make selection  
Press RIGHT soft key to move cursor to passcode entry
- Enter new passcode via digits from keypad
- Press RIGHT soft key to return to step 2 to change other passcodes  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

CHANGE PASSCODE  
DAY/NIGHT :0000  
OR

CHANGE PASSCODE  
RING PLAN :0000

CHANGE PASSCODE  
ALARM CLR :8765

CHANGE PASSCODE  
ALARM CLR :9999

## Default Data:

RING PLAN	0000	AA RECORD	4321
DAY/NIGHT	0000	DECT REGISTER	4321
DISA ALARM	5678	DELETE	9999
ALARM CLR	8765	WLI REGISTER	0000

## Related Items:

MMC 212 Alarm Ringing Station  
MMC 214 DISA Alarm Ringing Station  
MMC 410 Assign DISA Trunk  
MMC 507 Assign Ring Plan Time (*i*DCS & OS500 systems)  
MMC 507 Assign Auto Night Time (Other systems)  
MMC 737 DECT System Code  
MMC 744 DECT Registration On/Off

# MMC: 203

# ASSIGN UA DEVICE

**FOR:** ALL SYSTEMS

**Purpose:** Assigns the ringing device to be accessed when a Universal Answer (UA) key is pressed or the UA pickup code is dialed. UA assignment for a group is made in [MMC 601](#), *Assign Station Group*, and then the group is entered here. The UA device can be one of the device types listed below. The device type is automatically determined by the directory number (DN) entered.

DIRECTORY NUMBER (DN)	UA DEVICE TYPE
Station Number	STATION (Keyset or SLT)
Station group number	STATION GROUP
Ring over page number	RING PAGE
Common bell number	COMMON BELL

Note: Only one of the above options can be selected. If the ability to ring more than one item (e.g., all four external page zones) is required, a station group containing all four zone codes must be created.

## ACTION

1. Open programming and select **203**  
Display shows current assignment
2. Dial DN of UA device (e.g., 205)  
OR  
Press VOLUME keys to scroll through available devices
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

ASSIGN UA PORT  
NONE-NO UA

ASSIGN UA PORT  
205 -STATION

**Default Data:** None

**Related Items:** MMC 204 Common Bell Control  
MMC 219 Common Relay Service Type  
MMC 601 Assign Station Group  
MMC 605 Assign External Page Zone

# MMC: 204 COMMON BELL CONTROL

**FOR:** ALL SYSTEMS

**Purpose:** Determines whether the common bell relay contacts have an interrupted or continuous closure when activated. If interrupted is chosen, the relay follows an internal ring pattern of one second closed followed by three seconds open.

By default, all common bell relay pairs are assigned as:

DCS	Compact II	816	408 / 408i	iDCS500	iDCS100	OS500
380x	363–365	362	361	380x	363–365	3991

## ACTION

1. Open programming and select **204**  
Display shows current setting
2. Dial common bell number  
OR  
Press VOLUME keys to make selection of common bell numbers and press RIGHT soft key to advance cursor
3. Dial 0 for continuous or 1 for interrupted operation  
OR  
Press VOLUME keys to scroll through options  
Press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[3801]COM. BELL  
CONTINUOUS

OR

[363] COM/LD BELL  
CONTINUOUS

[3801]COM. BELL  
INTERRUPTED

OR

[363] COM/LD BELL  
INTERRUPTED

**Default Data:** Continuous

**Related Items:** MMC 203 Assign UA Device  
MMC 219 Common Relay Service Type  
MMC 601 Assign Station Group

# MMC: 205

# ASSIGN LOUD BELL

**FOR:** DCS CII 816 408i 408 iDCS100 iDCS500 OS500

**Purpose:** Designates the station that controls the loud bell ring output. This output depends on your system, as follows.

<b>DCS</b>	Trunk A card. Each Trunk A card has one loud bell output; these outputs are given a Directory Number of 3901–3920 as a default value to enable them to be assigned.
<b>Compact II</b>	Misc card (assigned in <a href="#">MMC 219, Common Relay Service Type</a> ).
<b>816 and 408/408i</b>	Base board (assigned in <a href="#">MMC 219, Common Relay Service Type</a> ).
<b>iDCS500</b>	Misc card. Each Misc card has one loud bell output; these outputs are given a Directory Number of 390x as a default value to enable them to be assigned.
<b>iDCS100</b>	Misc card (assigned in <a href="#">MMC 219, Common Relay Service Type</a> ).
<b>OS500</b>	Misc card. Each Misc card has one loud bell output; these outputs are given a Directory Number of 3995 ('L') or 2995 ('S' & 'M') as a default value to enable them to be assigned.

The loud bell will follow the ring cadence of the designated station. Only a station can be assigned to control the loud bell; a station group cannot be assigned.

## ACTION

1. Open programming and select **205**  
Display shows current setting
2. Dial loud bell number (e.g., 362)  
OR  
Press VOLUME keys to scroll through loud bell numbers and press RIGHT soft key to move the cursor
3. Enter station number (e.g., 201)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[361] LOUD BELL  
RING PAIR : NONE

[362] LOUD BELL  
RING PAIR : NONE

[362] LOUD BELL  
RING PAIR : 201

**Default Data:** NONE (Unassigned)

**Related Items:** MMC 219 Common Relay Service Type



# MMC: 206

## BARGE-IN TYPE

**FOR:** ALL SYSTEMS

**Purpose:** The Barge-In feature allows selected keysets to intrude on other stations which are not set as secure from barge in. This MMC sets the type of barge-in that is permitted.

DIAL	TYPE OF BARGE-IN	DESCRIPTION
0	NO BARGE IN	Barge-in feature is unavailable. Station cannot barge in, regardless of another station's barge-in status.
1	WITH TONE	Barge-in will have an intrusion tone and display at the barged-in on station.
2	WITHOUT TONE	There is no barge-in tone or display at the barged-in on station and the barging-in station will be muted.

### ACTION

1. Open programming and select **206**  
Display shows
2. Dial 0–2 to select barge-in type (e.g., 2)  
OR  
Press VOLUME keys to select barge-in type  
and press RIGHT soft key
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

BARGE IN TYPE  
NO BARGE IN

BARGE IN TYPE  
WITHOUT TONE

**Default Data:** NO BARGE IN

**Related Items:** MMC 301 Assign Station COS  
MMC 701 Assign COS Contents

# MMC: 207

# ASSIGN VM/AA PORT

**FOR:** ALL SYSTEMS

**Purpose:** Enables SLI ports to be designated as NORMAL or VMAA.

VMAA ports receive digits designated in [MMC 726, VM/AA Options](#), and also receive a true disconnect signal upon completion of a call. Only SLI cards, not keyset daughterboards, support disconnect signal. Do not make VMAA ports data as this will return them to a single line port and stop voice mail integration. VMAA ports have the equivalent of data protect written in the program and are protected against tones.

Note: This MMC is not used to assign voice mail card ports. Voice mail card ports are assigned as voice mail ports automatically when the system detects a Cadence, SVMi-4, SVMi-8 or SVMi-16 card.

## ACTION

1. Open programming and select **207**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station  
and press RIGHT soft key to move cursor
3. Dial 1 or 0 to select port type (1=VMAA,  
0=NORMAL)  
OR  
Press VOLUME keys to select option and press  
RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[209] VMAA PORT  
NORMAL PORT

[205] VMAA PORT  
NORMAL PORT

[205] VMAA PORT  
VMAA PORT

**Default Data:** NORMAL PORT

**Related Items:** MMC 601 Assign Station Group  
MMC 726 VM/AA Options

# MMC: 208

# ASSIGN RING TYPE

**FOR:** ALL SYSTEMS

**Purpose:** Allows programming of SLTs to have ICM ringing, C.O. ringing and data secure.

With the many types of external ringing devices, all configurations can be met. DATA RING also has a positive disconnect signal. Do not make VM/AA ports data as this will return them to a single line port and stop voice mail integration.

## OPTIONS

- 0 ICM RING
- 1 C.O. RING
- 2 DATA RING

## ACTION

1. Open programming and select **208**  
Display shows
2. Dial SLT station number (e.g., 205)  
OR  
Press VOLUME keys to select station and  
press RIGHT soft key to move cursor
3. Dial 0, 1 or 2 to select port type (e.g. 2)  
OR  
Press VOLUME keys to select option and press  
LEFT or RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[209] RING TYPE  
ICM RING

[205] RING TYPE  
ICM RING

[205] RING TYPE  
DATA RING

**Default Data:** ICM RING

**Related Items:** None

# MMC: 209      ASSIGN ADD-ON MODULE

FOR:	DCS	CI	CII	816	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	---------	---------	-------

**Purpose:** Designates to which keyset an add-on module (AOM) is assigned.

## ACTION

1. Open programming and select **209**  
Display shows first AOM
2. Dial AOM number  
OR  
Press VOLUME keys to scroll through AOM numbers and press RIGHT soft key to move the cursor
3. Enter keyset number, (e.g., 201)  
OR  
Press VOLUME keys to select station numbers
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[301] AOM MASTER MASTER:NONE
---------------------------------

[301] AOM MASTER MASTER: <u>N</u> ONE
--

[301] AOM MASTER MASTER:201
--------------------------------

**Default Data:**      **MASTER = NONE**

**Related Items:**      **None**

# MMC: 210

# CUSTOMER ON/OFF

**FOR:** ALL SYSTEMS

**Purpose:** Sets system features on or off. Not all features are available on all systems (refer to the [table](#) over the page: “✓” means a feature is available on that system).

## ACTION

1. Open programming and select **210**  
Display shows
2. Dial option number (e.g. 01)  
OR  
Press VOLUME keys to select option and  
press RIGHT soft key to move cursor
3. Dial 1 for ON or 0 for OFF  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
4. Repeat steps 2-3 for other options  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

TEN. ON AND OFF  
DISA PSWD :ON

TEN. ON AND OFF  
LCR ENABLE :OFF

TEN. ON AND OFF  
LCR ENABLE :ON

## Default Data:

DISA PSWD	On	SGR INC BUSY	Off	AUTO CLEANED	Off
LCR ENABLE	On	TRSF CANCEL	Off	REDIAL REVW	Off
SMDI VMS SET	Off	RECALL DISC	Off	ISDN KEYFAC	Off
PERI UCD SET	Off	ARD TONE CHK	On	CHK SPV TRK	Off
PERI UCD RPT	Off	VPN ENABLE	Off	PRE FWD BUSY	On
CID CODE INS	Off	ISDNTRK BUSY	Off	ORG DIAL LOG	On
DISA MOH	Off	IN TOLL CHK	Off	TIE TRSF RCL	Off
TRANSFER MOH	On	ISDN PROGCON	Off	VOIP REALRBT	Off
DSP SSPDNAME	Off	INCLUDE VAT	Off	PROG.2 ALERT	Off
DID BSY ROUT	Off	DSS KEY DPU	On	VOIP VIR RBT	On
DID NOT ROUT	On	BEGN DGT DSP	Off	PRESET BUSY	Off
ALARM MOH	On	ONE TCH FACC	On		
ALL PICK UP	Off	SGR ALL OUT	Off		
RECALL PIKUP	Off	CHAIN FWD	Off		
ICM EXT FWD	Off	TRK MONITOR	On		
SEC 2 BOS AA	On	VOIP MFRALOC	Off		
DID ERR TONE	Off	NTWK AUTOTMR	On		
KTS DISC ALM	Off	USE EURO	Off		
OFF HOOK ALM	Off	NO STAFF COD	Off		
SL SELF RING	Off	PERI UCD SIO	Off		

**Related Items:** None

FEATURE	DESCRIPTION	SYSTEM				
		DCS/CII	816	408/408i	iDCS	OS500
DISA PSWD	Determines whether outside customers are required to enter DISA pass-code (Yes=ON, No=OFF).	✓	✓	✓	✓	✓
LCR ENABLE	Enables LCR feature in the system.	✓	✓	✓	✓	✓
SMDI VMS SET	Allows SMDI integration through RS-232 port for the external PC-based Voice Mail system.	✓	X	X	X	
PERI UCD RPT (iDCS only) or PERI UCD SET (other systems)	Periodic UCD information provider. Enables UCD statistics data on a per UCD group basis to print out on the I/O port which has been set as SMDR or UCD REPT in real time (see <a href="#">MMC 501– PERI UCD REPORT</a> timer option). This allows extended manipulation of the information by an external third-party-provided software package. (For iDCS & OS500 systems, refer to <a href="#">PERI UCD SIO</a> option, below.)	✓	✓	X	✓	✓
CID CODE INS	Allows the digit '1' to be automatically inserted for a toll call. (Not used in UK.)	✓	✓	408i only	✓	✓
DISA MOH	An additional option that can be presented to outside DISA callers: a variable indication provided by an MOH source instead of a fixed DISA dial tone.	✓	✓	✓	✓	✓
TRANSFER MOH	Callers who have been transferred from an extension or UCD group or AA group will hear MOH, until answered by the called extension, instead of ring back tone.	✓	✓	✓	✓	✓
DSP SSPDNAME	LCD displays programmed name of system speed bin if it has been programmed in <a href="#">MMC 706</a> ; otherwise, it shows digits programmed in <a href="#">MMC 705</a> (even if this option is set to ON). [Note: iDCS500 'L' & OS500 systems use DISP SPDNAME option in <a href="#">MMC 110</a> .]	✓	✓	✓	iDC500 'M' & iDC100 only	X
DID BSY ROUT	DDI calls to a busy extension can be routed to an assigned destination, in <a href="#">MMC 406</a> , before the call is dropped.	✓	✓	408i only	✓	✓
DID NOT ROUT	DDI calls with no mapping in MMC 714 can be routed to an assigned destination in <a href="#">MMC 406</a> .	✓	✓	408i only	X	X
ALARM MOH	If the Wake-up Announcement feature ( <a href="#">MMC 224</a> ) is not programmed but this option is turned ON, the user will hear the station Music-On-Hold source as a wake-up alarm.	X	X	X	✓	✓
ALL PICK UP	Independent pickup group; can pick up all calls.	X	✓	✓	X	X

FEATURE	DESCRIPTION	DCS/CII	816	408/408i	iDCS	OS500
RECALL PIKUP	When ON, a call recalling to a station can be picked up using Direct Station Pickup, Group Pickup and My Group Pickup features. This applies to held calls and transferred calls recalling to a station.	X	X	X	✓	✓
ICM EXT FWD	When ON, call forward external is allowed when internal calls are sent to a station that has Call Forward External programmed and set.	X	X	X	✓	✓
SEC 2 BOS AA	Allows or denies calls from a secretary to a boss station being auto answered by the boss station. The default setting is ON allowing auto answer when a secretary calls a boss via an assigned boss key.	X	X	X	✓	X
DID ERR TONE	Provides error tone when an invalid DID number is received.	X	X	X	✓	✓
KTS DISC ALM	When ON, generates system alarm when a keyset plug is connected or disconnected.	X	X	X	✓	✓
OFF HOOK ALM	When ON, generates system alarm when a phone maintains off-hook condition longer than timer ( <a href="#">First Digit timer in MMC 501</a> ).	X	X	X	✓	✓
SL SELF RING	When ON, generates a 10-second ring when a single line phone dials its own number and hangs up (testing).	X	X	X	✓	✓
SGR INC BUSY	When ON, generates busy tone when all station group members are busy for a group call.	X	X	X	✓	✓
TRSF CANCEL	When OFF, an SLT will be able to handle two calls simultaneously using hookflash to toggle between them. When ON, an SLT will be able to connect to the second call, but pressing hookflash will not toggle between the two calls; it will disconnect the second call and reconnect the SLT to the first call.	X	X	X	✓	✓
RECALL DISC	When ON, the system disconnects a transferred call when it recalls.	X	X	X	✓	✓
ARD TONE CHK	When system detects CO BUSY TONE from Central Office, it returns to auto redial state.	✓	✓	✓	✓	✓
VPN ENABLE	Allows use of VPN (Virtual Private Network) feature linked with network. (For future use.)	✓	✓	408 only	✓	✓
ISDNTRK BUSY	Allows return of busy tone to incoming DDI calls to station group if all group members are busy. (Sequential or Distribute groups only.)	✓	✓	408i only	X	X
IN TOLL CHK	If ON, toll restriction applies to incoming calls (useful for DISA calls breaking out of system).	✓	✓	✓	✓	✓
ISDN PROGCON	If OFF, the system ignores ISDN progress message.	✓	✓	408i only	✓	✓

FEATURE	DESCRIPTION	DCS/CII	816	408/408i	iDCS	OS500
INCLUDE VAT	When ON, an "Inclusive VAT of" line is printed on Hotel invoices (Hotel application).	✓	X	X	✓	✓
DSS KEY DPU	When ON, pressing a DSS key will pick up a call at the ringing station.	X	X	X	✓	✓
BEGN DGT DSP	When ON, and an outside call of more than 16 digits is dialled, then only the first 16 digits dialled are shown on the keyset display. When OFF, only the last 16 digits dialled are shown.	X	X	X	iDC500 'L' only	✓
ONE TCH FACC	Must be set ON in order for keyset users to be able to use one-touch account code key.	X	X	X	iDC500 'L' only	✓
SGR ALL OUT	Normally, a group member cannot leave a group unless there is a member still in the group. If this option is set ON, the last member is also able to leave the group.	X	X	X	✓	✓
CHAIN FWD	If ON, an incoming call forwarded from a station to another station may then be forwarded to the mailbox of the second station, if the latter is set for 'forward to voice mail'. If this option is OFF, the call may only be forwarded to the mailbox of the first station.	X	X	X	iDC500 'L' only	✓
TRK MONITOR	If ON, the system will monitor the trunk supervision signalling. That is, if a disconnection signal is received from the exchange, the call will be cleared and the extension will go back on hook.	✓	✓	✓	✓	✓
VOIP MFRALOC	If ON, this allocates a DTMF receiver for a VOIP tandem caller breaking out on another trunk group.	X	X	X	✓	✓
NTWK AUTOTMR	If OFF, the call timer in the phone display will not function if the call is from a network connection (Q-SIG)	X	X	X	✓	✓
USE EURO	If ON, the unit of currency shown in call displays and on SMDR reports will be Euros (€). (This will also display on Hotel application invoices.)	✓	X	X	✓	✓
NO STAFF CODE	If ON, no staff codes will be required for Hotel administration. (Hotel application.)	✓	X	X	✓	✓
PERI UCD SIO	If set OFF, periodic UCD report will print to port set as PERI UCD in <a href="#">MMC 804</a> If set ON, periodic UCD report will print to port set as PERI UCD in MMC 804. If there is no PERI UCD port, periodic UCD report will print to port set as UCD REPT or SMDR/UCD.	X	X	X	✓	✓
AUTO CLEANED	If ON, any room checked out will be automatically flagged with status "Cleaned". (Hotel application.)	✓	X	X	✓	✓



FEATURE	DESCRIPTION	DCS/CII	816	408/408i	iDCS	OS500
REDIAL REVW	If ON, when the Redial or LNR key is pressed, keyset users can review previously dialled numbers in the display and select numbers to redial.	X	X	X	✓	✓
ISDN KEYFAC	If ON, allows Keypad Facility messages to be sent to the exchange to invoke network features	✓	✓	408i only	✓	✓
CHK SPV TRK	Checks the supervision signals on an analogue trunk, such as disconnect clear or polarity reversal.	X	X	X	X	✓
PRE FWD BUSY	Enables preset forward for busy stations.	X	X	X	X	✓
ORG DIAL LOG	If ON, all dialled digits (including errors) are saved.	X	X	X	X	✓
TIE TRSF RCL	If ON, no answer recall is available for calls transferred to tie line.	X	X	X	X	✓
VOIP REALRBT	Enables ring back tone, provided by system, on VoIP calls.	X	X	X	X	✓
PROG.2 ALERT	Converts a received Progress message to an Alert message when tandem switching.	X	X	X	✓	X
VOIP VIR RBT	If ON, the local system will generate Ring Back tone when the remote system sends the Alerting message.	X	X	X	✓	X
PRESET BUSY	If ON, will change the preset Forward condition in <a href="#">MMC 320</a> from Forward No Answer to Forward Busy/No Answer.	X	X	X	✓	X

# MMC: 211 DOOR RING ASSIGNMENT

**FOR:** ALL SYSTEMS

**Purpose:** Designates which devices will ring when a door phone button is pressed. Options can be selected for ring plans (1–6) on iDCS and OS500 systems, or for day and night mode on other systems. Two types of device can ring: a station or a station group.

## ■ For all systems except iDCS & OS500

### ACTION

### DISPLAY

1. Open programming and select **211**  
Display shows first door phone  
  
(If there is no door phone interface module, you see "DOOR NOT EXIST")
2. Dial doorphone number (e.g., 210)  
OR  
Press VOLUME keys to scroll through door phone numbers and use the RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Enter day selection (e.g. 301)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Enter night selection (e.g. 302)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
5. Press RIGHT soft key to return to step 2  
OR  
Press LEFT soft key to return to step 3  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[201] DOOR RING
D:500    N:500

[210] DOOR RING
D:500    N:500

[210] DOOR RING
D:301    N:500

[210] DOOR RING
D:301    N:302

**Default Data:** Station group 500 for day and night (group 50 for 408/408i systems)

**Related Items:** None

## ■ For iDCS & OS500 systems

### ACTION

### DISPLAY

1. Open programming and select **211**  
Display shows first door phone

[201] DOOR RING
1:500    2:500

(If there is no door phone interface module, you see "DOOR NOT EXIST")

2. Dial door phone number (e.g., 210)  
OR  
Press VOLUME keys to scroll through door phone numbers and use the RIGHT soft key to move cursor  
OR  
Press ANS/RLS to select all door phones

[210] DOOR RING
<u>1</u> :500    2:500

3. Press RIGHT soft key to move cursor

[210] DOOR RING
1:301    2: <u>5</u> 00

Enter ring plan 1 selection (e.g. 301)

OR

Press VOLUME keys to make selection and press RIGHT soft key

4. Enter ring plan 2 selection (e.g. 302)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key

[210] DOOR RING
1:301    2:30 <u>2</u>

Repeat this step for each ring plan (1–6) required

5. Press RIGHT soft key to return to step 2  
OR  
Press LEFT soft key to return to step 3  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**                      **Station group 500 (all ring plans)**

**Related Items:**                      **None**

# MMC: 212 ALARM RINGING STATION

**FOR:** DCS CII iDCS100

**Purpose:** Determines which devices will be alerted when an alarm sensor is activated. Devices can be stations or station groups.

Devices will ring like a doorphone and follow the door ring time-out. When ringing, display keysets show the display assigned in [MMC 213, Alarm Message](#). The bottom line of the keyset display gives an option to clear the alarm. Ringing initiated by an alarm sensor is answered by going off-hook and on-hook again at a ringing keyset.

If a device such as Ring Over Page or a common bell is the only device assigned to ring, it may be answered by assigning a direct pickup key with this device as the extender. If the alarm is unanswered by the door ring time-out, ringing will cease but the display will remain until cleared by dialling the alarm clear feature code and passcode (default 8765).

## ■ For DCS and CII systems

### ACTION

1. Open programming and select **212**  
Display shows first sensor (e.g. 3501)
2. Dial sensor number (e.g., 3502 or 352)  
OR  
Press VOLUME keys to scroll through sensor numbers and press RIGHT soft key to advance cursor
3. Enter destination for day (e.g., 205)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to advance cursor  
  
Select night destination in the same way
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

[3501]ALARM RING
D:500    N:500

[3502]ALARM RING
D:500    N:500

[3502]ALARM RING
D:205    N:500

**Default Data:** All sensors ring 500 day/night

**Related Items:** See *Related Items*, below

## ■ For iDCS100 systems

### ACTION

### DISPLAY

1. Open programming and select **212**  
Display shows first sensor
2. Dial sensor number (e.g., 352)  
OR  
Press VOLUME keys to scroll through sensor numbers and press RIGHT soft key to advance cursor
3. Press RIGHT soft key to move cursor  
Enter destination for ring plan 1 (e.g., 205)  
OR  
Press VOLUME key to make selection and press RIGHT soft key to advance cursor
4. Enter destination for ring plan 2 (e.g., 205)  
OR  
Press VOLUME key to make selection and press RIGHT soft key to advance cursor  
  
Repeat this step for each ring plan (1–6) required
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[352]ALARM RING	
1:500	2:500

[352]ALARM RING	
1:500	2:500

[352]ALARM RING	
1:205	2:500

[352]ALARM RING	
1:205	2:205

**Default Data:**            **All sensors ring 500 for all ring plans**

**Related Items:**        **MMC 213 Alarm Message**

# MMC: 213

# ALARM MESSAGE

**FOR:** DCS CII iDCS100

**Purpose:** Assigns a name to an alarm sensor. Names are written using the dial keypad. Each press of a key selects a character and moves the cursor to the next position. For example, if the sensor name is "FIRE," press the number "3" three times to get the letter "F." Now press the number "4" three times to get the letter "I", and so on to complete the name. Press the programmable "A" key to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

**Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

1. Open programming and select **213**  
Display shows (e.g. 351 for Compact II)
2. Dial ALARM (e.g., 351 or 3502)  
OR  
Press VOLUME key to make selection  
and press RIGHT soft key to move cursor
3. Enter name using method described above and  
press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[351] ALARM NAME

[351] ALARM NAME

[351] ALARM NAME  
FIRE!

**Default Data:** None

**Related Items:** MMC 212 Alarm Ringing Station

# MMC: 214

## DISA ALARM RINGING STATION

**FOR:** ALL SYSTEMS

**Purpose:** Assigns the ringing destination for the DISA alarm. It is recommended that the person who can clear the alarm also receives the notification. Valid destinations for day and night mode, or for each ring plan, are stations and station groups.

### ■ For all systems except iDCS & OS500

#### ACTION

1. Open programming and select **214**  
Display shows
2. Enter day destination (e.g., 212)  
OR  
Press VOLUME keys to make selection  
and press RIGHT soft key to advance cursor
3. Enter night destination (e.g., 205)  
OR  
Press VOLUME keys to make selection  
and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

#### DISPLAY

DISA ALARM RING	
D: <u>5</u> 00	N:500

DISA ALARM RING	
D: <u>2</u> 12	N: <u>5</u> 00

DISA ALARM RING	
D:21 <u>2</u>	N: <u>2</u> 05

**Default Data:** Day 500 (50 for 408/408i)  
Night 500 (50 for 408/408i)

**Related Items:** MMC 202 Change Feature Passcodes  
MMC 410 Assign DISA Trunk

## ■ For iDCS & OS500 systems

### ACTION

1. Open programming and select **214**  
Display shows
2. Press RIGHT soft key to move cursor  
Enter destination for ring plan 1 (e.g., 212)  
OR  
Press VOLUME keys to make selection  
and press RIGHT soft key to advance cursor
3. Enter destination for ring plan 2 (e.g., 205)  
OR  
Press VOLUME keys to make selection  
and press RIGHT soft key  
  
Repeat this step for all ring plans (1–6) required
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

DISA ALARM RING	
1:500	2:500

DISA ALARM RING	
1:212	2:500

DISA ALARM RING	
1:212	2:205

**Default Data:**            **Station Group 500 (all ring plans)**

**Related Items:**        **MMC 202 Change Feature Passcodes**  
                              **MMC 410 Assign DISA Trunk**



# MMC: 215 VOICE DIALLER OPTIONS

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Assigns the VDIAL card with two (2) channels and seven (7) users or one (1) channel and five (5) users. When changing channel size, you will be prompted to 'clear RAM'. This is only for the Voice Dialler, not the system, and will prevent accidental usage of pre-recorded names. It is advised that you clear RAM before assigning users in [MMC 216, Voice Dialler Assignments](#).

VDIAL cards are numbered with odd numbers. For example, the first VDIAL card in the system is numbered either 3551 or 355. The second channel, if used, will be numbered 3552 (or 356). The second VDIAL card is numbered 3553 (or 357), and a second channel 3554 (or 358). If only one channel is assigned, the even number 3552 or 3554 (356 or 358) will not appear in MMC 216.

Options    0 : 2CH-7USER-20BIN    ( 7 USERS )  
             1 : 1CH-5USER-40BIN    ( 5 USERS )

## ACTION

1. Open programming and select **215**  
Display shows (e.g. 355)
2. Enter Voice Dialler number  
OR  
Press VOLUME keys to make selection  
Press RIGHT soft key to move cursor
3. Select channel option by pressing VOLUME key to view selection  
Press RIGHT soft key to make selection
4. Enter 0 for NO or 1 for YES  
OR  
Press VOLUME keys key to view selection  
  
Press RIGHT soft key to make selection
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

355:VDIALER OPTN 2CH-7USER-20BIN
-------------------------------------

355:VDIALER OPTN <u>2</u> CH-7USER-20BIN
---

355:VDIALER OPTN <u>1</u> CH-5USER-40BIN
---

355:VDIALER OPTN CLEAR RAM? <u>N</u> O
---

355:VDIALER OPTN CLEAR RAM? <u>Y</u> ES
--

**Default Data:**            **2CH-7USER-20BIN**

**Related Items:**        **MMC 216 Voice Dialler Assignments**  
                             **MMC 722 Station Key Programming**  
                             **MMC 723 System Key Programming**  
                             **MMC 724 Dial Numbering Plan**

# MMC: 216 VOICE DIALLER ASSIGNMENTS

FOR: DCS CI CII iDCS100 iDCS500 OS500

**Purpose:** Allows a station to be assigned to a channel of the VDIAL card, to dial a personal speed dial number. The number of users assigned to this feature is controlled by [MMC 215, Voice Dialler Options](#), which allows either two (2) channels with seven (7) users or one (1) channel with five (5) users.

## ACTION

1. Open programming and select **216**  
Display shows (e.g. 355)
2. Enter Voice Dialler number (e.g. 356)  
OR  
Press VOLUME key to make selection and press RIGHT soft key to move cursor
3. Enter user number (1-7/1-5) dependent on number of users allowed via MMC 215 (e.g. 5)  
OR  
Press VOLUME keys to make selection  
  
Press RIGHT soft key to move cursor
4. Enter station number (e.g., 205)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to return to step 3 to continue with entries
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

355:VDIALER USER  
USER 1 : NONE

356:VDIALER USER  
USER 1 : NONE

356:VDIALER USER  
USER 5 : NONE

356:VDIALER USER  
USER 5 : 205

**Default Data:** NONE

**Related Items:** MMC 215 Voice Dialler Options  
MMC 722 Station Key Programming  
MMC 723 System Key Programming  
MMC 724 Dial Numbering Plan

## MMC: 217 TRAFFIC REPORT PRINTOUT

**FOR:** **iDCS100** **iDCS500** **OS500** For Compact I 'CCC Option', see [MMC 217](#), below.)

**Purpose:** (iDCS systems must have a LAN interface installed.)

The system can store statistics for various types of call made throughout the day and print them as a "traffic" report when required. This MMC allows you to print a report using selected criteria. The traffic report can be printed either on demand (manually) or automatically every hour, at a programmed time each day, or for up to three separately timed shifts.

For 'on-demand' printing, select MANUAL PRINTOUT. Then select one of the following options:

PRINT AND CLEAR	A report is printed and all totals are reset to 0 (zero).
PRINTOUT ONLY	A report is printed and all the totals are saved.
CANCEL PRINTOUT	Cancels printout.

For 'automatic' printing, select AUTO PRINT OPTN. Automatic printing will always clear the totals (set them to zero) when finished. Select one of the following options:

AUTO PRINT OFF	Automatic print feature is disabled.
DAILY HHMM:	A report is printed at the programmed time each day. Enter the time in 24-hour clock format (e.g. "HHMM:2359" is 11.59pm)
EVERY HOUR MM:	A traffic report will be printed every hour at the programmed minutes past the hour (e.g. "MM:30" is 30 minutes past the hour).
THREE TIME SHIFT	Up to three separate Start and End times may be programmed to report traffic within certain times of a day. A report is printed at each End time.  Shifts are displayed as 1S, 2S and 3S. For each shift required, enter a start (S) time and an end (E) time in 24-hour clock format, e.g.

<b>TRAFFIC REPORT</b> <b>1S:S:0800 E:1259</b>
--

<b>TRAFFIC REPORT</b> <b>2S:S:1300 E:1759</b>
--

<b>TRAFFIC REPORT</b> <b>3S:S:1800 E:2200</b>
--

In this example, reports are printed for three shifts, 8.00am–12.59pm, 1.00pm–5.59pm and 6.00pm–10.00pm.

When a report is printed, the totals represent call statistics accumulated between the date and time printed as "BEGINNING:" and the date and time printed as "ENDING:". (For a sample report, refer to the *Samsung General Description* manual for your system.)

Note: If there are no trunks in a group, the trunk group report for that group will not print.

## ACTION

1. Open programming and select **217**  
Display shows
2. Press VOLUME keys to select MANUAL or AUTO  
and press RIGHT soft key
3. Press VOLUME keys to select option and press  
RIGHT soft key
4. Enter time (e.g. 23.59pm)
5. Press Transfer/ TRSF to store and exit  
OR  
Press SPEAKER to store and advance  
to next MMC

## DISPLAY

TRAFFIC REPORT  
MANUAL PRINTOUT

TRAFFIC REPORT  
AUTO PRINT OPT

TRAFFIC REPORT  
DAILY HHMM:\_

TRAFFIC REPORT  
DAILY HHMM:2359

**Default Data:**        **No report**

**Related Items:**        **MMC 804 System I/O Parameter**

# MMC: 217

## CCC OPTION

**FOR:** **CI only** For iDCS and OS500 'Traffic Report Printout', see [MMC 217](#), above

**Purpose:** (This MMC is related to 131 Cable & Wireless service.)

Used to select Call Cost Option.

### ACTION

1. Open programming and select **217**  
Display shows
2. Use VOLUME keys to scroll through options
3. Press TRANSFER to store and exit  
OR  
Press SPEAKER to store and advance  
to next MMC

### DISPLAY

CCC OPTION  
OPTION : NONE

CCC OPTION  
OPTION : STATION #

**Default Data:** **NONE**

**Related Items:** **MMC 313 Assign PIN Code**

# MMC: 219

## COMMON RELAY SERVICE TYPE

FOR: CII 816 408 408i iDCS100

**Purpose:** Defines the function of the common relays.

**Compact II and iDCS100:** The three common relays in the Misc card (363–365)  
**816:** The common relay in the base board (362)  
**408/408i:** The common relay in the base board (361).

Each relay can be used for one of the following:

- 0 EXTERNAL PAGE
- 1 COMMON BELL
- 2 LOUD BELL
- 3 NOT USED

### ACTION

### DISPLAY

1. Open programming and select **219**  
Display shows (e.g. 363)
2. **Compact II & iDCS100 only** – dial relay number (e.g. 364)  
OR  
Press VOLUME keys to scroll through numbers and press RIGHT soft key to move cursor  
  
**816/408/408i** – press RIGHT soft key to move cursor
3. Dial relay function 0–3 (e.g. 2–see table above)  
OR  
Press VOLUME keys to scroll through options and press RIGHT soft key
4. **Compact II & iDCS100 only** – repeat step 2 for next relay
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[363]RELAY TYPE  
EXTERNAL PAGE

[364]RELAY TYPE  
EXTERNAL PAGE

[364]RELAY TYPE  
LOUD BELL

[364]RELAY TYPE  
NOT USE

**Default Data:** EXTERNAL PAGE

**Related Items:** MMC 203 Assign UA Device  
 MMC 204 Common Bell Control  
 MMC 205 Assign Loud Bell  
 MMC 601 Assign Station Group  
 MMC 605 Assign External Page Zone

# MMC: 220

# ISDN SERVICE TYPE

FOR: DCS CI CII 816 408i iDCS100 iDCS500 OS500

**Purpose:** Assigns the ISDN service type for SLT stations. Services consist of BC (Bearer Capability) and HLC (High Layer Capability).

DIAL	TYPE	DESCRIPTION	BC	HLC
0	VOICE	Voice service	Speech	Telephony
1	FAX 3	G3 FAX service	3.1kHz Audio	FAX G2/G3
2	AUDIO 3.1	3.1kHz Audio service	3.1kHz Audio	None
3	MODEM	MODEM service	3.1kHz Audio	Telephony

## ACTION

1. Open programming and select **220**  
Display shows
2. Dial station number (SLT only) (e.g., 215)  
OR  
Press VOLUME keys to select station  
and press RIGHT soft key to move cursor
3. Select service type 0-3 (e.g. 2)  
OR  
Press VOLUME keys to select option and press  
RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[213] ISDN SRV  
VOICE

[215] ISDN SRV  
VOICE

[215] ISDN SRV  
AUDIO 3.1

**Default Data:** VOICE

**Related Items:** None

# MMC: 221

## EXTENSION TYPE

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** Defines stations for a specific use. Each station can be designated as one of the six types listed below. These types can be changed by dialling the type number (0–5) or by scrolling through the types and pressing the right soft key to select the type desired.

### 0 NORMAL STATION

This is the default setting. The station will operate in the normal manner associated with this type of station. Ports designated as VMAA in [MMC 207](#) must be designated as 'normal' in this MMC.

### 1 GUEST SMOKING

When a station is designated as this type it will appear in room status and check-in features as a smoking room.

### 2 GUEST NO SMOKING

When a station is designated as this type it will appear in room status and check-in features as a non-smoking room.

### 3 MEETING ROOM

Stations designated as Meeting Rooms will have the same attributes as guest rooms with regard to cleaning and occupied status but will not show up while scrolling through room status lists.

### 4 ADMINISTRATOR

Only stations designated as Administrator stations can use Hotel features such as check in, check out, billing, etc.

### 5 FAX STATION

When a station is designated as a fax station it can be assigned as a 'pair' station to a Guest Smoking Room or Guest No Smoking Room in [MMC 222](#).

#### ACTION

#### DISPLAY

- |  |                                     |
|--|-------------------------------------|
| 1. Open programming and select <b>221</b><br>Display shows   | [201] PHONE USE<br>NORMAL STATION   |
| 2. Dial station number (e.g., 214)<br>OR<br>Press VOLUME keys to select station<br>and press RIGHT soft key to move cursor | [214] PHONE USE<br>NORMAL STATION   |
| 3. Dial 0–5 to select station type (e.g. 2)<br>OR<br>Press VOLUME keys to select option and press<br>RIGHT soft key        | [214] PHONE USE<br>GUEST NO SMOKING |



4. Press Transfer / TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**           **NORMAL STATION**

**Related Items:**       **MMC 207 Assign VM/AA Port**  
                          **MMC 222 Fax Pair**

# MMC: 222

## FAX PAIR

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** Enables a guest room to have a normal phone line and fax line simultaneously. Only a Guest No Smoking Room or Guest Smoking Room can be assigned a fax pair station which is already assigned as a fax station in [MMC 221](#).

### ACTION

1. Open programming and select **222**  
Display shows
2. Dial guest extension number (e.g. 205) and  
press RIGHT soft key to move cursor  
OR  
Press VOLUME keys to select
3. Dial fax station number (e.g., 301)  
OR  
Press VOLUME keys to select fax station  
and press RIGHT soft key to move cursor
4. Press Transfer / TRSF to store and exit  
OR  
Press SPEAKER to store and advance  
to next MMC

### DISPLAY

[201] FAX PAIR NONE
------------------------

[205] FAX PAIR NONE
------------------------

[205] FAX PAIR 301
-----------------------

**Default Data:**           **NONE**

**Related Items:**       **MMC 221 Extension Type**

# MMC: 224 WAKE-UP ANNOUNCEMENT

FOR:	iDCS500	OS500	Hotel application only
------	---------	-------	------------------------

**Purpose:** Designed to enhance the Wake-Up (alarm) feature. The feature requires that an Automated Attendant (AA) card be installed in the system if a wake-up message is to be programmed. The system can be programmed to play the recorded message when a guest answers a wake-up call. The system accesses the message selected in this MMC: it can be one of the customized messages (01-48) recorded on the AA card, or one of the pre-recorded ROM messages (49-64).

There are three options.

AA GROUP	Determines which AA group will be connected when a Wake-Up call is answered.
MESSAGE NO	Determines which message will be played when a Wake-Up call is answered. Can be a custom-recorded message, 01-48, or one of the pre-recorded messages, 49-64.
GROUP BUSY	Determines which tone source will be connected when all AA group members are busy. This destination can be NONE, TONE or external music-on-hold. If NONE is set, dial tone is connected; if TONE is set, hold tone is connected.

Note: This feature can be accessed without an AA card installed. However, rather than providing a wake-up message, you can play only music-on-hold (MOH) as a wake-up announcement. In this case, you should select MOH as the source in the Group Busy option. Assign an AA Group (with no members) and enter any Message No.

## ACTION

1. Open programming and select **224**  
Display shows
2. Press RIGHT soft key to move cursor  
Enter group number (e.g. 520)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Press RIGHT soft key to move cursor  
Enter message number 01-64 (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key

## DISPLAY

WAKE-UP ANNOUNCE AA GROUP :NONE
------------------------------------

WAKE-UP ANNOUNCE AA GROUP :520
-----------------------------------

WAKE-UP ANNOUNCE MESSAGE NO :NONE
--------------------------------------

WAKE-UP ANNOUNCE MESSAGE NO :01
------------------------------------

WAKE-UP ANNOUNCE GROUP BUSY :NONE
--------------------------------------

4. Press RIGHT soft key to move cursor  
Enter Group Busy source (e.g. TONE)  
OR  
Press VOLUME keys to select and press RIGHT  
soft key

WAKE-UP ANNOUNCE GROUP BUSY :TONE
--------------------------------------

5. Press Transfer / TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**        **NONE**

**Related Items:**     **MMC 112 Alarm Reminder**

# MMC: 300

## CUSTOMER ON/OFF PER STATION

FOR:	ALL SYSTEMS
------	-------------

**Purpose:** Allows the following features to be set on or off for all or individual stations. (Some may not be available on your system.)

ACCESS DIAL	ON = user can select a trunk or trunk group by dialling its directory number (DN). <i>This selection should be turned OFF when using LCR.</i>
MICROPHONE	ON = keyset can be used in speakerphone mode.
OFFHOOK RING	ON = allows a short burst of ring tone to indicate another call.
SMDR PRINT	OFF = C.O. calls to and from the station will not print on SMDR. This includes transferred calls or calls picked up from hold or park.
TGR ADV.TONE	ON = a warning tone will be heard each time LCR advances to the next route.
VMAA FORWARD	ON = calls can be forwarded to voice mail.
NGT PASSCODE	ON = requires passcode when invoking night service.
INTRCOM SMDR or STN CALL PRT	OFF= the station will not print internal calls on SMDR.
FWD DLY USE	ON = calls will overflow to the Forward No Answer destination when the Forward No Answer timer expires even when the Forward No Answer feature is not activated at the called party extension.  Set the Forward No Answer destination in <a href="#">MMC 102, Call Forward</a> , but do <i>not</i> enable the feature. (Alternatively, use code 603 plus the station number, then code 600 to cancel the feature.)
FORWARD OVRD	ON = the station overrides the call forward feature set on a called extension. (Used for operator positions.)
RECL TO OPER	Used for an operator's extension and in conjunction with a CTI operator's console. If a transferred call from an extension is returned as unanswered, it will return to the operator group and not the extension transferring the call.
SLT PWR DISC	ON = SLI port receives real disconnect signal instead of busy or error tone. (VMAA or DATA ports always receive real disconnect signal.)

## ACTION

## DISPLAY

1. Open programming and select **300**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Press VOLUME keys to select feature and  
press RIGHT soft key to move cursor
4. Dial 1 for ON or 0 for OFF  
OR  
Press VOLUME keys to select ON/OFF and press  
RIGHT soft key
5. Press LEFT soft key to return to step 2  
Press RIGHT soft key to return to step 1  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[201] CUS.ON/OFF  
ACCESS DIAL :ON

[205] CUS.ON/OFF  
ACCESS DIAL :ON

[ALL] CUS.ON/OFF  
ACCESS DIAL :ON

[ALL] CUS.ON/OFF  
ACCESS DIAL :ON

[ALL] CUS.ON/OFF  
ACCESS DIAL :OFF

**Default Data:**      **STN CALL PRT : OFF**  
                         **FWD DLY USE : OFF**  
                         **FWD OVERRIDE: OFF**  
                         **RCL TO OPER.: OFF**  
                         **SLT PWR DISC: OFF**  
                         **All other features set ON**

**Related Items:**      **LCR programming**

# MMC: 301

# ASSIGN STATION COS

**FOR:** ALL SYSTEMS

**Purpose:** Assigns a class of service (COS) to each station. A number of different classes of service can be defined in [MMC 701, Assign COS Contents](#):

- 30 (01–30) for DCS, Compact II, iDCS and OS500 systems;
- 10 (01–10) for 816 systems;
- 4 (1–4) for 408/408i systems.

For iDCS and OS500 systems, a COS can be assigned to any or all of the six ring plans defined in [MMC 507, Assign Ring Plan Time](#).<sup>\*</sup> For all other systems, a COS can be assigned to both Day and Night modes. Night mode is defined in [MMC 507, Assign Auto Night Time](#).<sup>\*</sup>

(\*There are two separate versions of MMC 507: one for iDCS/OS500 and one for other systems.)

## ■ For all systems except iDCS & OS500

### ACTION

1. Open programming and select **301**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to scroll through stations and press RIGHT soft key to advance to step 3 to enter Day COS  
OR  
Press VOLUME keys to scroll through stations and press LEFT soft key to advance to step 4 to enter Night COS  
OR  
Select all stations ([see section 1.5.2](#))
3. Enter day class of service (e.g., 05)  
OR  
Press VOLUME keys to scroll through classes of service and press RIGHT soft key to advance to step 4 to enter Night COS  
OR  
Press VOLUME keys to scroll through classes of service and press LEFT soft key to return to step 2 to enter other stations

### DISPLAY

[201] STN COS  
DAY:01 NIGHT:01

[205] STN COS  
DAY:01 NIGHT: 01

OR

[ALL] STN COS  
DAY:?? NIGHT:??

[205] STN COS  
DAY:05 NIGHT:01

4. Enter night class of service (e.g., 05)  
OR  
Press VOLUME keys to scroll through classes of service and press RIGHT soft key to return to step 2 to enter other stations  
OR  
Press VOLUME keys to scroll through classes of service and press LEFT soft key to return to step 3
5. Press Transfer/TRSF to save and exit  
OR  
Press SPEAKER to save and advance to next MMC

[205] STN COS DAY:05 NIGHT:05
----------------------------------

**Default Data:**      **Day class**      = COS 01 (or 1)  
                             **Night class**     = COS 01 (or 1)

**Related Items:**      **See *Related Items*, below**

## ■ For iDCS & OS500 systems

### ACTION

1. Open programming and select **301**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to scroll through stations and press RIGHT soft key  
OR  
Select all stations ([see section 1.5.2](#))
3. Press RIGHT soft key to move cursor to COS field for ring plan 1
4. Enter COS number (e.g. 05)  
OR  
Press VOLUME keys to scroll through COS numbers and press RIGHT soft key  
  
The cursor moves to the next ring plan  
  
Continue entering COS numbers for the desired ring plans. Use the RIGHT soft key to move between plans 1 and 6 as required.  
OR
5. Press Transfer/TRSF to save and exit  
OR  
Press SPEAKER to save and advance to next MMC

### DISPLAY

[201]	STN COS
1:01	2:01 3:01

[205]	STN COS
1:01	2:01 3:01

OR

[ALL]	STN COS
1:01	2:01 3:01

[205]	STN COS
1:01	2:01 3:01

[205]	STN COS
1:05	2:01 3:01

**Default Data:**      **Ring plans 1–6 = COS 01**

**Related Items:**      **MMC 701 Assign COS Contents**



# MMC: 302

# PICKUP GROUPS

**FOR:** ALL SYSTEMS

**Purpose:** Assigns stations into call pickup groups. Maximum number of pickup groups is:

**DCS / CII / iDCS100:** 20  
**816:** 8  
**408/408i:** 4  
**iDCS500 / OS500:** 99

An unlimited number of members can belong to each group. Stations can only be in one pickup group at any given time.

## ACTION

1. Open programming and select **302**  
Display shows
2. Dial station number ( e.g., 205)  
OR  
Press VOLUME keys to select station number  
and press RIGHT soft key  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial pickup group number (e.g. 04)  
OR  
Press VOLUME keys to select group number
4. Press RIGHT soft key to return to step 2 to enter  
more stations  
OR  
Press LEFT soft key to return to step 3  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[201] PICKUP GRP  
PICKUP GRP :01

[205] PICKUP GRP  
PICKUP GRP :01

OR

[ALL] PICKUP GRP  
PICKUP GRP :??

[205] PICKUP GRP  
PICKUP GRP :04

**Default Data:** All stations = pickup group 01

**Related Items:** MMC 107 Key Extender  
MMC 722 Station Key Programming  
MMC 723 System Key Programming

# MMC: 303 ASSIGN BOSS/SECRETARY

**FOR:** ALL SYSTEMS

**Purpose:** Assigns BOSS stations to SECRETARY stations. One BOSS station can have up to four SECRETARY stations, and one SECRETARY station can have up to four BOSS stations.\* A dedicated BOSS key must be programmed on the SECRETARY keyset(s). A dedicated BOSS key must also be programmed on the BOSS keyset(s).

\* For 408/408i systems, a BOSS station can have up to two SECRETARY stations, and vice versa.

The ["F" key](#) is used to toggle the BOSS/SECRETARY field. (See key layouts in Part 1, [section 1.5.2.](#))

## ACTION

1. Open programming and select **303**  
Display shows

(If you want to set up the boss stations for a selected secretary station, press the [F key](#) to change the display to SECR STN. The following example describes setting up secretary stations for a selected boss station, but the procedure is the same for both.)

2. Dial BOSS station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key

3. Dial SECRETARY station number (e.g., 201)  
OR  
Press VOLUME keys to select station

Press RIGHT soft key to return to step 3 to enter more SECR numbers

4. Press LEFT soft key to return to step 2 and continue entries  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

BOSS STN: <u>N</u> ONE
SECR 1: <u>N</u> ONE

BOSS STN :205
SECR 1: <u>N</u> ONE

BOSS STN:205
SECR 1: <u>2</u> 01

BOSS STN:205
SECR <u>2</u> :202

**Default Data:** NONE

**Related Items:** MMC 722 Station Key Programming

# MMC: 304 ASSIGN STATION /TRUNK USE

**FOR:** ALL SYSTEMS

**Purpose:** You can select which stations are allowed to make calls through C.O. lines or to answer calls for C.O. lines.

When Dial=Yes is set, the stations in the selected station use group can make calls on trunks in the selected trunk use group. Similarly, when Ans=Yes is selected, stations can answer calls on those trunks. Use groups are set up in [MMC 614](#).

Note: [MMC 406, Trunk Ring Assignment](#), overrides this MMC for the Answer option.

## ACTION

1. Open programming and select **304**  
Display shows
2. Dial the station use group number (e.g., 001)  
OR  
Press VOLUME keys to select station and press RIGHT soft key
3. Dial the trunk use group number (e.g., 302)  
OR  
Press VOLUME keys to select trunk and press RIGHT soft key
4. Press VOLUME keys to select YES or NO option  
OR  
Dial 1 for YES or 0 for NO and press RIGHT soft key to move cursor to ANS option
5. Press VOLUME keys to select YES/NO option  
OR  
Dial 1 for YES or 0 for NO and press RIGHT soft key to return to step 2
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[001] USE [301]  
DIAL: YES ANS: YES

[001] USE [301]  
DIAL: YES ANS: YES

[001] USE [302]  
DIAL: YES ANS: YES

[001] USE [302]  
DIAL: NO ANS: YES

[001] USE [302]  
DIAL: NO ANS: NO

**Default Data:** DIAL = YES  
ANS = YES

**Related Items:** MMC 316 Copy Station Usable  
MMC 406 Trunk Ring Assignment  
MMC 614 Use Group  
MMC 722 Station Key Programming  
MMC 723 System Key Programming

**MMC: 305****ASSIGN FORCED CODE****FOR:** ALL SYSTEMS

**Purpose:** Assigns forced account or authorisation codes on a per-station basis or on an all-station basis. Codes are verified against a system table. However, for *i*DCS and OS500 systems, forced account codes can be either verified or not verified. If verified, the entered code is checked against a system table. Codes can include digits 0–9. If unverified, the entered code is not checked against the system table. Codes can include digits 0–9, \* and #.

**FEATURE KEYS**

DIAL	DCS / CII / 816 / 408 / 408i	iDCS & OS500
0	NONE	NONE
1	AUTHORIZE CODE	AUTHORIZE CODE
2	ACCOUNT CODE	ACCT VERIFIED
3	—	ACCT NO VERIFIED

**ACTION**

1. Open programming and select **305**  
Display shows
2. Dial station number ( e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial a feature option 0–2 (e.g., 2)  
OR  
Press VOLUME keys to select option  
and press RIGHT soft key to return step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**DISPLAY**

[201] FORCD CODE  
NONE

[205] FORCD CODE  
NONE

OR

[ALL] FORCD CODE  
?

[205] FORCD CODE  
ACCOUNT CODE

**Default Data:** NONE**Related Items:** MMC 707 Authorisation Code  
MMC 708 Account Code

# MMC: 306

# HOT LINE

**FOR:** ALL SYSTEMS

**Purpose:** Allows a station to make an automatic internal or external call to a predetermined number when the handset is lifted, on the expiration of a timer\*. The number can be a maximum of 18 digits including pauses, flash etc., in the dial string (the access code for a trunk is not counted).

\* See [MMC 502 Station-Wide Timers: 'OFFHK SEL'](#) option (for iDCS or OS500 systems) or see [MMC 501, System-Wide Timers: 'Off-Hook Select Timer'](#) option (for other systems).

The following keys can also be used:

<u>"B"</u>	Used to insert a flash code "F"
<u>"C"</u>	Used to insert a pause code "P"
<u>"D"</u>	Used to insert a pulse/tone conversion code "C"
<u>"E"</u>	Used to mask/unmask following digits (shows as "[" or "]")

(Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

## ACTION

## DISPLAY

- |  |   |
|--|---|
| <p>1. Open programming and select <b>306</b><br/>Display shows<br/>Press RIGHT soft key to advance cursor</p>  | <p>[201] HOT LINE<br/>NONE</p>  |
| <p>2. Enter station number (e.g. 201)<br/>OR<br/>Press VOLUME keys to make selection and press<br/>RIGHT soft key</p>  | <p>[201] HOT LINE<br/><u>NONE</u></p>   |
| <p>3. Enter station number to automatically dial via keypad<br/>(e.g. 202)—or press VOLUME keys to select<br/>OR<br/>Enter a trunk to automatically dial (e.g. 701)—or<br/>press VOLUME keys to select—then press the<br/>RIGHT soft key and enter a maximum of 18 digits to<br/>dial.</p> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>[201] HOT LINE<br/><u>202</u></p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>[201] HOT LINE<br/>701-01235987654_</p> </div> |
| <p>4. Press RIGHT soft key to return to step 2</p>   |   |
| <p>5. Press Transfer/TRSF to store and exit<br/>OR<br/>Press SPEAKER to store and advance to next<br/>MMC</p>  |   |

**Default Data:** NONE

**Related Items:** MMC 501 System-Wide Timers  
MMC 502 Station-Wide Timers

# MMC: 308 ASSIGN BACKGROUND MUSIC SOURCE

**FOR:** ALL SYSTEMS

**Purpose:** Assigns a background music (BGM) source to keysets.

<b>DCS</b>	At least one Trunk A card must be installed. 19 music selections are possible, depending on the number of Trunk A cards. One music source is provided per card. The default directory number of a BGM source is 3701–3719. (Internal music is always the odd numbered address, e.g. 3701, 3703.)
<b>Compact II</b>	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a BGM source is 371–372. (Internal music is always address 371.)
<b>816, 408 &amp; 408i</b>	There is a music source on the base board (switch select internal/external). The default directory number of a background music source is 371.
<b>iDCS100</b>	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a BGM source is 371–372.
<b>iDCS500</b>	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 370x.
<b>OS500 'S' &amp; 'M'</b>	Two possible music selections on the Misc daughterboard. The default directory number of a BGM source is 37x.
<b>OS500 'L'</b>	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 37x.

Additionally, for any system, you may select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the BGM source will be the message defined in [MMC 736](#) from the port defined in this MMC.

For example, if this MMC selects the music source for station 201 as 384 (the last port on the AA card) and MMC 736 selects message 20 for the AA card, extension 201 will hear message 20 from the installed AA card.

If you have a Voice Mail System installed you may also select a VM recording as a music source. The recording must already been defined in [MMC 756](#) and will show up here as the VM port assigned with the recording.

ACTION	DISPLAY
1. Open programming and select <b>308</b> Display shows current setting	[201] BGM SOURCE BGM SOURCE: <u>N</u> ONE
2. Dial keyset number (e.g., 205) OR Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor OR Select all stations ( <a href="#">see section 1.5.2</a> )	[205] BGM SOURCE BGM SOURCE: <u>N</u> ONE  OR [ALL] BGM SOURCE BGM SOURCE: <u>?</u>
3. Enter source number (e.g., 3701) OR Press VOLUME keys to make selection and press RIGHT soft key to return to step 2	[205] BGM SOURCE BGM SOURCE: <u>3</u> 701
4. Press Transfer/TRSF to store and exit OR Press SPEAKER to store and advance to next MMC	

**Default Data:**           **NONE**

**Related Items:**       **MMC 309 Assign Station Music On Hold**  
**MMC 408 Assign Trunk Music On Hold Source**  
**MMC 736 Assign AA MOH**  
**MMC 756 Assign VM MOH**

# MMC: 309

# ASSIGN STATION MUSIC ON HOLD

**FOR:** ALL SYSTEMS

**Purpose:** Selects which Music-On-Hold (MOH) source can be heard on each station. There are four possible selections: TONE, NONE, internal music, and external music (from a customer-provided music source).

<b>DCS</b>	At least one Trunk A card must be installed. 19 music selections are possible, depending on the number of Trunk A cards. One music source is provided per card. The default directory number of an MOH source is 3701–3719. (Internal music is always the odd numbered address, e.g. 3701, 3703.)
<b>Compact II</b>	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of an MOH source is 371–372. (Internal music is always address 371.)
<b>816, 408 &amp; 408i</b>	There is a music source on the base board (switch select internal/external). The default directory number of an MOH source is 371.
<b>iDCS100</b>	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of an MOH source is 371–372.
<b>iDCS500</b>	Two external music sources are provided per Misc daughterboard installed. The default directory number of a BGM source is 370x.
<b>OS500 'S' &amp; 'M'</b>	Two possible music selections on the Misc daughterboard. The default directory number of a BGM source is 37x.
<b>OS500 'L'</b>	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 37x.

Additionally, for any system, you may also select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the music source will be the message defined in [MMC 736](#) from the port defined in this MMC.

For example, if this MMC selects the MOH source for station 201as 384 (the last port on the AA card) and MMC 736 selects message 20 for the AA card, extension 201 will play message 20 from the installed AA card when holding a call.

If you have a Voice Mail System installed you may also select a VM recording as a music source. The recording must already been defined in [MMC 756](#) and will show up here as the VM port assigned with the recording.



## ACTION

1. Open programming and select **309**  
Display shows current setting
2. Dial keyset number (e.g., 205)  
OR  
Press VOLUME keys to scroll through keyset numbers and press RIGHT soft key to move the cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Enter source number (e.g., 371)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] STN MOH  
MOH SOURCE:NONE

[205] STN MOH  
MOH SOURCE:NONE

OR

[ALL] STN MOH  
MOH SOURCE:?

[205] STN MOH  
MOH SOURCE:371

**Default Data:**           **NONE**

**Related Items:**       **MMC 308 Assign Background Music Source**  
                          **MMC 408 Assign Trunk Music On Hold Source**  
                          **MMC 736 Assign AA MOH**  
                          **MMC 756 Assign VM MOH**

# MMC: 310

# LCR CLASS OF SERVICE

**FOR:** ALL SYSTEMS

**Purpose:** Assigns the LCR class of service allowed for a station.

**408/408i:** One of four classes (1–4) can be assigned

**All other systems:** One of eight classes (1–8) can be assigned

## ACTION

1. Open programming and select **310**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial 1–8 to select class type (e.g. 3)  
OR  
Press VOLUME keys to select class type and  
press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[201] LCR CLASS  
LCR CLASS 1

[205] LCR CLASS  
LCR CLASS 1

OR

[ALL] LCR CLASS  
LCR CLASS ?

[205] LCR CLASS  
LCR CLASS 3

**Default Data:** Least Cost Routing COS 1

**Related Items:** LCR programming

# MMC: 311

# ASSIGN SIM PARAMETER

**FOR:** DCS only

**Purpose:** Assigns and sets parameters for the serial interface module (SIM). Refer to Tables 1–12, below.

## ACTION

1. Open programming and select **311**  
Display shows
  2. Enter station number connected to SIM (e.g., 257) from dial keypad  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
  3. Enter desired selection from table 1 (00–10, e.g. 01)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
- Refer to Table 1 for your selected option and go to the table indicated (e.g. Table 3) to enter required value (e.g. 0) using dial keypad or by pressing VOLUME keys
- Press RIGHT soft key to move cursor
4. Repeat step 3 for all required options (00–10 in Table 1)
  5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[256] SIM PARA  
SIM TYPE :DTE

[257] SIM PARA.  
SIM TYPE :DTE

[257] SIM PARA.  
CALL MODE:AWITH

[257] SIM PARA.  
CALL MODE:MANUAL

**TABLE 1. SIM PARAMETER**

00	SIM TYPE	=	Table 2
01	CALL MODE	=	Table 3
02	ANS MODE	=	Table 4
03	AUTO BAUD	=	Table 5
04	DTR CHECK	=	Table 6
05	ECHO	=	Table 7
06	PROTOCOL	=	Table 8
07	SPEED	=	Table 9
08	CHAR LENGTH	=	Table 10
09	PARITY	=	Table 11
10	STOP BIT	=	Table 12

**TABLE 2. SIM TYPE**

0	HOST
1	MODEM
2	DTE
3	PRT

**TABLE 3. CALL MODE**

0	MANUAL
1	AUTO WITH
2	AUTO WITHOUT

**TABLE 4. ANS MODE**

0	MANUAL
1	AUTO

**TABLE 5. AUTO BAUD**

0	OFF
1	ON

**TABLE 6. DTR CHECK**

0	OFF
1	ON

**TABLE 7. ECHO**

0	OFF
1	ON

**TABLE 8. PROTOCOL**

0	V110
1	V120

**TABLE 9. SPEED TABLE**

0	300
1	600
2	1200
3	2400
4	4800
5	9600
6	19200
7	38400
8	48000
9	56000

**TABLE 10. CHAR LENGTH**

0	8
1	7
2	6
3	5

**TABLE 11. PARITY TABLE**

0	NONE
1	ODD
2	EVEN

**TABLE 12. STOP BIT**

0	1
1	1.5
2	2

**Default Data:**

- SIM Type = DTE**
- Call Mode = Manual**
- Ans Mode = Manual**
- Auto Baud = ON**
- DTR Check = ON**
- Echo = ON**
- Protocol = V110**
- Speed = 9600**
- Char Length = 8 Bits**
- Parity = None**
- Stop Bit = 1**

**Related Items:**      **MMC 804 System I/O Parameter**

# MMC: 312

## ALLOW CLIP

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Defines whether keysets will:

- allow or prevent receipt of CLIP information;
- request or restrict sending of CLIP information.

Each station can have the following options:

**SND:** YES - request that Caller ID be sent when outgoing call is made.  
NO - request that Caller ID *not* be sent when outgoing call is made.

**RCV:** YES - allow display of CLIP data at keyset.  
NO - prevent display of CLIP data at keyset(s).

If YES is selected for the SND option:

- iDCS and OS500 systems use [MMC 323](#) to determine what CLIP information is sent.
- Other systems display the **INFO** option to allow you to select the CLIP information.  
Select from:

- |   |                |   |
|---|----------------|---|
| 0 | CO Tel         | (Outgoing line number)                    |
| 1 | Extn. Number   | (Extension number)                        |
| 2 | CO + Extn. No. | (Outgoing line number + Extension number) |
| 3 | DID Number.    | (DDI number)                              |

### ACTION

1. Open programming and select **312**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial 0 (NO) or 1 (YES) to select RCV option (e.g. 1)  
OR  
Press VOLUME keys to select option and press  
RIGHT soft key to move cursor to SND field

### DISPLAY

[201] ALLOW CLIP  
RCV:YES SND:YES

[205] ALLOW CLIP  
RCV:YES SND:YES

OR

[ALL] ALLOW CLIP  
RCV:YES SND:YES

[205] ALLOW CLIP  
RCV:YES SND:YES

4. Dial 0 (NO) or 1 (YES) to select SND option (e.g. 1)  
OR  
Press VOLUME keys to select option and press  
RIGHT soft key

[205] ALLOW CLIP  
RCV:YES SND:YES

**For all systems except iDCS & OS500** – If you  
selected YES for SND option, display shows

[205] ALLOW CLIP  
INFO:C.O Tel.

Dial 0–3 to select INFO option  
OR  
Press VOLUME keys to select

Press RIGHT soft key

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to save and advance to next  
MMC

**Default Data :**        **RCV=YES**  
                             **SND=YES**  
                             **INFO=CO Tel**

**Related Items:**        **MMC 119 CLIP Display**  
                             **MMC 323 Send CLIP Number**

# MMC: 313

## ASSIGN PIN CODE

**FOR:** CI only

**Purpose:** (This MMC is related to 131 Cable & Wireless service.)

Assigns individual users to PIN codes in the system. For Cable & Wireless 131 service there is a maximum of four PIN codes allocated in the system, so users must be assigned to the PIN code used when dialling out on a Cable & Wireless Network.

### ACTION

1. Open programming and select **313**  
Display shows
2. Dial the station number (e.g., 205)  
OR  
Press VOLUME keys to select station  
and press RIGHT soft key to advance to step 3
3. Enter the pin code serial number (1, 2, 3 or 4)  
e.g. 1
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

[201] PIN CODE  
PIN CODE # : NONE

[205] PIN CODE  
PIN CODE # : NONE

[205] PIN CODE  
PIN CODE # : 1

**Default Data:** All stations are code #1

**Related Items:** MMC 217 CCC Option  
MMC 716 UK LCR Option  
MMC 717 Pin Code

# MMC: 314 CONFIRM OUTGOING CALL

FOR:	DCS	CII	816	408	408i	iDCS100	iDCS500	OS500
------	-----	-----	-----	-----	------	---------	---------	-------

**Purpose:** Allows outgoing call restriction for all or individual stations. Calls can be disconnected or a confirmation tone sounded at a programmed time (refer to the [CO Confirm timer in MMC 501](#)).

## FEATURE KEYS

- 0 NONE
- 1 CONFIRM TONE
- 2 DISCONNECT

## ACTION

1. Open programming and select **314**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor
3. Dial a feature option 0-2 (e.g., 1)  
OR  
Press VOLUME keys to select option and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] CO CONFIRM  
NONE

[205] CO CONFIRM  
NONE

[205] CO CONFIRM  
CONFIRM TONE

**Default Data:**           **NONE**

**Related Items:**       **MMC 501 System-Wide Timers**



# MMC: 315

# SET RELOCATION

FOR:	DCS	CII	816	408	408i	iDCS100	iDCS500	OS500
------	-----	-----	-----	-----	------	---------	---------	-------

**Purpose:** Used to transfer information associated with a station or add-on module (AOM) to another station or AOM. All individual station assignments such as trunk ring, station group, station COS, station speed dial and key assignments are transferred. A user can then relocate to the new station and operate it exactly like their original station. The stations being exchanged must be idle for this program to work, and programming done from a different keyset.

There are two important rules to follow:

1. You can exchange 5000 series digital keysets only with other 5000 series digital keysets, Euro keysets with Euro keysets, and iDCS series with iDCS series.
2. Generally, you can only exchange keysets or AOMs of the same type (e.g. 6B with 6B, 48B with 48B).

However, there are exceptions to the second rule:

- You can exchange a Euro 12B for a Euro 24B keyset, and vice versa.<sup>1</sup>
- You can exchange an iDCS 18D for an iDCS 28D keyset, and vice versa.<sup>2</sup>
- You can exchange a DCS 48B AOM for an iDCS 64B or DS-5064B AOM, and vice versa.<sup>3</sup>

Refer to the [table](#), below, to determine which devices can be exchanged. Attempting to exchange incompatible devices will result in an error message display ("INVALID DATA").

Note:

<sup>1</sup> If you are exchanging a Euro 12B and 24B keyset, be aware that the 12B keyset will assume the key assignments for the first 12 keys on the 24B keyset. Conversely, the first 12 keys on the 24B keyset will assume the key assignments for the 12B keyset.

<sup>2</sup> If you are exchanging an iDCS 28D and 18D keyset, remember that for 18D keysets the first 10 programmable keys are numbered 01–10 and the last eight keys are numbered 21–28 (*not* 11–18). When you exchange 18D and 28D keysets you copy keys 01–10 to keys 01–10 and keys 21–28 to keys 21–28. Keys 11–20 on 28D keysets will not be copied.

<sup>3</sup> If you are exchanging a 48B AOM and a 64B AOM, the 48D keyset will assume the key assignments for the first 48 keys on the 64B AOM. Conversely, the first 48 keys on the 64B AOM will assume the key assignments for the 48B AOM. You must first remove any association with master stations, using MMC 209, otherwise an error message will be displayed ("ERROR:AOM MASTER").

Exchange Allowed Table	SLT	EURO 6B	EURO 12B	EURO 24B	48B AOM	64B AOM	iDCS 28D	iDCS 18D	iDCS 8D	DS- 5012L	DS- 5014D	DS- 5021D	DS- 5007S	DS- 5014S	DS- 5038S	IP Phone*
SLT	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
EURO 6B	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
EURO 12B	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
EURO 24B	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
48B AOM	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
64B AOM	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 28D	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 18D	NO	NO	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
iDCS 8D	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO
DS-5012L	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO
DS-5014D	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO
DS-5021D	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO
DS-5007S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO
DS-5014S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	?	NO	NO	YES	NO	NO
DS-5038S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO
IP Phone*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES

( \* IP phones can be exchanged only if using software version V2.03 or later.)

**ACTION**

**DISPLAY**

1. Open programming and select **315**  
Display shows
2. Dial the original station number (e.g. 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key
3. Dial the new location's station number (e.g. 210)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

SET RELOCATION  
EXT\_ EXT

SET RELOCATION  
EXT205 EXT\_

SET RELOCATION  
EXT205 EXT210

**Default Data:**      **None**

**Related Items:**      **None**

# MMC: 316

# COPY STATION USABLE

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Copies station/trunk assignments set in [MMCs 304](#) and [317](#) from one station (source) to another (destination). Individual or all stations can be selected as the destination.

## ACTION

1. Open programming and select **316**  
Display shows
2. Enter destination station number (e.g. 205)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Enter the source station number (e.g. 210)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] CPY USABLE FROM:NONE
-------------------------------

[205] CPY USABLE FROM: <u>N</u> ONE
--

[205] CPY USABLE FROM:210
------------------------------

**Default Data:**           **NONE**

**Related Items:**       **MMC 304 Assign Station/Trunk Use**  
                          **MMC 317 Assign Station/Station Use**

# MMC: 317

## ASSIGN STATION / STATION USE

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Determines whether stations in a station use group can dial stations in other station use groups. Options are YES or NO. This will also affect pick up, forward, barge-in and DISA features.

Use groups are assigned in [MMC 614](#)

### ACTION

### DISPLAY

(In the following example, station use group 001 is not allowed to dial station use group 004.)

1. Open programming and select **317**  
Display shows
2. Dial the first station use group number (e.g., 001)  
OR  
Press VOLUME keys to select group and press  
RIGHT soft key  
OR  
Select all station use groups ([see section 1.5.2](#))
3. Dial the second station use group number (e.g., 004)  
OR  
Press VOLUME keys to select group and press  
RIGHT soft key
4. Dial 1 for YES or 0 for NO  
OR  
Press VOLUME keys to select YES/NO and press  
RIGHT soft key to move cursor
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[001] USE [001] DIAL: YES
------------------------------

[001] USE [001] DIAL: YES
------------------------------

[001] USE [004] DIAL: YES
------------------------------

[001] USE [004] DIAL: NO
-----------------------------

**Default Data:** DIAL=YES

**Related Items:** MMC 316 Copy Station Usable  
MMC 614 Use Group

**MMC: 318****DISTINCTIVE RING**

FOR:	DCS	CI	CII	816	408	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	-----	------	---------	---------	-------

**Purpose:** Sets a distinctive ring for stations when calling other stations or for trunks calling stations. You can set the tone (T) for keysets to one of eight ring values (1-8), or the cadence (C) of SLTs to one of five ring values (1-5). The default for both is to follow the station ring (F-STN).

tone	description
F-STN	Calls from the programmed station or trunk will ring keysets with the keyset users' choice of ring frequency.
1-8	Calls from the programmed station or trunk will ring keysets with this ring frequency.

cadence	description
F-STN	Calls from the programmed station or trunk will ring with the normal SLT ring cadences.
1	Calls from the programmed station or trunk will ring SLTs with the intercom ring cadence.
2	Calls from the programmed station or trunk will ring SLTs with the CO ring cadence.
3	Calls from the programmed station or trunk will ring SLTs with the DOOR ring cadence.
4	Calls from the programmed station or trunk will ring SLTs with the ALARM ring cadence.
5	Calls from the programmed station or trunk will ring SLTs with the CALLBACK ring cadence.

**ACTION**

1. Open programming and select **318**  
Display shows
2. Dial station or trunk number (e.g., 205)  
OR  
Press VOLUME keys to select station or trunk and press RIGHT soft key to move cursor
3. Press VOLUME keys to select T value (e.g. 1) and press RIGHT soft key to move cursor to C field
4. Press VOLUME keys to select C value (e.g. 2)
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to save and advance to next MMC

**DISPLAY**

[201] DIST.RING T:F-STN C:F-STN
------------------------------------

[205] DIST.RING T:F-STN C:F-STN
------------------------------------

[205] DIST.RING T:1 C:F-STN
--------------------------------

[205] DIST.RING T:1 C:2
----------------------------

**Default Data :**        **T: F-STN**  
                         **C: F-STN**

**Related Items:**        **None**

# **MMC: 319**

# **BRANCH GROUP**

Not Used in the UK / EU



# MMC: 320

## PRESET FORWARD NO ANSWER

**FOR:**    **iDCS100**    **iDCS500**    **OS500**

**Purpose:** Assigns a default destination for Forward No Answer (FNA) to each station on the system. These destinations may be different for each station or they may be the same. A destination can be designated as valid for internal (INT) calls or external (EXT) calls, or both (BOTH). This FNA destination will be temporarily overwritten if the station user enters a different FNA destination on their phone. If the user cancels the new destination, this preset destination will once more be in effect.

Preset FNA time follows the [Station No Answer Forward timer \(MMC 502\)](#). Refer also to the [Preset Busy option in MMC 210](#).

### ACTION

1. Open programming and select **320**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and  
press RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Dial destination number (e.g. 549)  
OR  
Press VOLUME keys to select destination and  
press RIGHT soft key
4. Dial 1–3 for INT, EXT or BOTH (e.g. 2)  
OR  
Press VOLUME keys to select call type
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to save and advance to next  
MMC

### DISPLAY

[201] PRESET FNA  
NONE OPT:BOTH

[205] PRESET FNA  
NONE OPT:BOTH

[205] PRESET FNA  
549 OPT:BOTH

[205] PRESET FNA  
549 OPT:EXT

**Default Data:**        **NONE**

**Related Items:**        **MMC 102 Call Forward**  
                              **MMC 502 Station-Wide Timers**

# MMC: 321

## KEYSET TYPE

**FOR:** iDCS500 ('L' version only)

**Purpose:** Assigns each display keyset as DISPLAY or NON-DISPLAY. In order to be able to use the Text Messaging feature, a display keyset must be programmed as a DISPLAY keyset. The Text Messaging feature allows two programmed DISPLAY keysets to send text messages between them when one is attempting to camp-on a call or voice announce to the other when the latter is busy.

### ACTION

1. Open programming and select **321**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and  
press RIGHT soft key to move cursor  
OR  
Select all stations ([see section 1.5.2](#))
3. Press VOLUME keys to select DISPLAY or  
NON DISPLAY and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to save and advance to next  
MMC

### DISPLAY

[201] KTS TYPE  
NON DISPLAY

[205] KTS TYPE  
NON DISPLAY

[205] KTS TYPE  
DISPLAY

**Default Data:** NON-DISPLAY

**Related Items:** MMC 715 Programmed Station Message  
MMC 115 Set Programmed Message

# MMC: 323

# SEND CLIP NUMBER

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** Allows a number (16-digit maximum) to be entered and associated with a station number on a per-PRI/BRI basis. When this station makes an outgoing call, the number entered will be the CLIP number sent. Numbers are entered into a table.

iDCS500 'L' and OS500 systems have four tables  
Other iDCS systems have two tables

If no entry exists in a table for a station, the system uses the number for the trunk entered in [MMC 405 Trunk Number](#) as the CLIP number to send.

## ACTION

1. Open programming and select **323**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key to move cursor
3. Dial table number (e.g. 2)  
OR  
Press VOLUME keys to select table and press RIGHT soft key
4. Enter CLIP number (max 16 digits) and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to save and advance to next MMC

## DISPLAY

[201] SEND CLIP  
1:

[205] SEND CLIP  
1:

[205] SEND CLIP  
2: \_

[205] SEND CLIP  
2: 01234567891

**Default Data:**      **None**

**Related Items:**      **MMC 405: Trunk Number**  
                              **MMC 419: BRI Options**  
                              **MMC 420: PRI Options**  
                              **MMC 831: VOIP Parameters**

# MMC: 400

## CUSTOMER ON/OFF PER TRUNK

**FOR:** ALL SYSTEMS

**Purpose:** Assigns the following options on a per-trunk basis. Some options may not be available on your system.

### OPTIONS

1A2 EMULATE*	Trunk override call (NO PRIVACY)
TRUNK INC DND	Allows trunk to override DND (DIL)
TRUNK FORWARD	Allows trunk to be forwarded
LCR ALLOW	Allows LCR to be switched ON/OFF when a trunk is directly accessed.
EFWD EXT CLI	External forward external CLI number (on/off).

#### Set OFF:

If incoming external call includes CLI, this is sent to the external forward destination. If incoming external call does not include CLI, the CLI number of the forwarding station is sent to the external forward destination.

#### Set ON:

Only the CLI number of the forwarding station is sent to the external forward destination.

REPEAT CLI	When a Trunk to Trunk call is made, the incoming CLI will be used as the outgoing CLI.
------------	--

\* Note: '1A2 Emulate' means that other stations (up to a total of four) can join an existing trunk conversation by pressing the DTS key for the trunk on their keyset

### ACTION

1. Open programming and select **400**  
Display show
2. Dial trunk number (e.g. 704)  
OR  
Press VOLUME keys to select trunk and press RIGHT soft key to move cursor to options  
OR  
Select all trunks ([see section 1.5.2](#))
3. Press VOLUME keys to select option and press RIGHT soft key to move cursor

### DISPLAY

[701] TRK ON/OFF  
1A2 EMULATE:OFF

[704] TRK ON/OFF  
1A2 EMULATE:OFF

OR

[ALL] TRK ON/OFF  
1A2 EMULATE :?

[704] TRK ON/OFF  
TRK FORWARD :ON

4. Dial 1 for ON or 0 for OFF  
OR  
Press VOLUME keys to select ON/OFF and press  
RIGHT soft key to return to step 2

[704] TRK ON/OFF TRK FORWARD: OFF
--------------------------------------

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

<b>Default Data:</b>	<b>1A2 EMULATE:</b>	<b>Off</b>
	<b>TRUNK INC DND:</b>	<b>Off</b>
	<b>TRUNK FORWARD:</b>	<b>On</b>
	<b>LCR ALLOW:</b>	<b>Off</b>
	<b>EFWD EXT CLI:</b>	<b>On</b>
	<b>REPEAT CLI:</b>	<b>On</b>

**Related Items:**      **None**

# MMC: 401

# C.O. / PBX LINE

**FOR:** ALL SYSTEMS

**Purpose:** Selects the mode of the C.O. line. If PBX mode is chosen, this allows PBX access codes to be recognised, thus allowing more complete toll restriction (call barring). This mode is assigned on a per-trunk basis. If a trunk requires the use of the RECALL key, it must be set to PBX mode. Options are:

- 0 CO LINE
- 1 PBX LINE

## ACTION

1. Open programming and select **401**  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial 1 for PBX or 0 for C.O.  
OR  
Press VOLUME keys to scroll through options  
  
Press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] PBX LINE  
CO LINE

[704] PBX LINE  
CO LINE

OR  
[ALL] PBX LINE  
?

[704] PBX LINE  
PBX LINE

**Default Data:** All trunks C.O. Line

**Related Items:** None

# MMC: 402 TRUNK DIAL TYPE

FOR:	DCS	CI	CII	816	408	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	-----	---------	---------	-------

**Purpose:** Determines the dialling type of each C.O. line. There are two options:

0 DTMF TYPE (dual tone multi frequency)

1 DIAL PULSE TYPE (rotary dial)

## ACTION

1. Open programming and select **402**  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move the cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial 1 for PULSE or 0 for DTMF (e.g. 1)  
OR  
Press VOLUME keys to scroll through options  
  
Press RIGHT soft keys to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] DIAL TYPE  
DTMF TYPE

[704] DIAL TYPE  
DTMF TYPE

OR

[ALL] DIAL TYPE  
?

[704] DIAL TYPE  
DIAL PULSE TYPE

**Default Data:** All trunks DTMF

**Related Items:** MMC 501 System-Wide Timers  
MMC 503 Trunk-Wide Timers

# MMC: 403 TRUNK TOLL CLASS

**FOR:** ALL SYSTEMS

**Purpose:** Assigns toll class level assignments on a per-trunk or all-trunk basis. Selections can be made for day and night mode, or for each ring plan (1–6), depending on your system. The options for toll level will follow either the station class or the class of service defined in [MMCs 702, Toll Deny Table](#), and [703, Toll Allowance Table](#). The toll classes available are listed below:

ENTRY NUMBER	CLASS TYPE	DESCRIPTION
0	F-STN	Follow station toll restriction
1	CLS-A	Follow toll class A (Unrestricted)
2	CLS-B	Follow toll class B
3	CLS-C	Follow toll class C
4	CLS-D	Follow toll class D
5	CLS-E	Follow toll class E
6	CLS-F	Follow toll class F
7	CLS-G	Follow toll class G
8	CLS-H	Follow toll class H (All restricted)

## ■ For all systems except iDCS & OS500

### ACTION

1. Open programming and select **403**  
Display shows
2. Dial trunk number (e.g.704)  
OR  
Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move the cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Enter day toll class (e.g. 2 for CLS-B)  
OR  
Press VOLUME keys to scroll through toll classes and use RIGHT soft key to move the cursor
4. Enter night toll class (e.g., 2)  
OR  
Press VOLUME keys to scroll through toll classes and use RIGHT soft key to return to step 2
5. Press Transfer/TRSF to store data and exit  
OR  
Press SPEAKER to store data and advance to next MMC

### DISPLAY

[701] TOLL CLASS  
D:F-STN N:F-STN

[704] TOLL CLASS  
D:E-STN N:F-STN

OR  
[ALL] TOLL CLASS  
D:E-STN N:F-STN

[704] TOLL CLASS  
D:CLS-B N:E-STN

[704] TOLL CLASS  
D:CLS-B N:CLS-B

**Default Data:** All trunks F-STN

**Related Items:** See *Related Items* below



## ■ For iDCS & OS500 systems

1. Open programming and select **403**  
Display shows

[701] TOLL CLASS  
1:F-STN 2:F-STN
2. Dial trunk number (e.g.704)  
OR  
Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move the cursor  
OR  
Select all trunks ([see section 1.5.2](#))

[704] TOLL CLASS  
1:F-STN 2:F-STN

OR

[ALL] TOLL CLASS  
1:F-STN 2:F-STN
3. Press RIGHT soft key to move the cursor  

[704] TOLL CLASS  
1:CLS-B 2:F-STN

Enter toll class for ring plan 1 (e.g. 2 for CLS-B)  
OR  
Press VOLUME keys to scroll through toll classes and use RIGHT soft key to move the cursor
4. Enter toll class for ring plan 2 (e.g., 2)  
OR  
Press VOLUME keys to scroll through toll classes and press RIGHT soft key  

[704] TOLL CLASS  
1:CLS-B 2:CLS-B

Continue entering classes for ring plans 3–6
5. Press Transfer/TRSF to store data and exit  
OR  
Press SPEAKER to store data and advance to next MMC

**Default Data:**        **All trunks F-STN**

**Related Items:**    **MMC 301 Assign Station COS**  
                         **MMC 507 Assign Ring Plan Time (iDCS & OS500 systems) or**  
                         **MMC 507 Assign Auto Night Time (Other systems)**  
                         **MMC 701 Assign COS Contents**  
                         **Toll Restriction**

# MMC: 404

# TRUNK NAME

**FOR:** ALL SYSTEMS

**Purpose:** Allows a name, up to 11 characters, to be entered to identify an individual trunk.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the name is "TELECOMS", press the number "8" once to get the letter "T". Now press the number "3" twice to get the letter "E." Continue selecting characters from the keypad to complete the name. Press the programmable ["A" key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

1. Open programming and select **404**  
Display shows
2. Dial trunk (e.g., 704)  
OR  
Press VOLUME keys to select trunk and press the RIGHT soft key to move the cursor
3. Enter trunk name using the procedure described above  
  
Press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] TRUNK NAME

[704] TRUNK NAME

[704] TRUNK NAME  
TELECOMS

**Default Data:** No names entered

**Related Items:** MMC 104 Station Name  
MMC 405 Trunk Number

# MMC: 405

# TRUNK NUMBER

**FOR:** ALL SYSTEMS

**Purpose:** Allows a number, up to 11 digits, to be entered to identify an individual trunk.

Numbers are entered using the keypad. Pressing a key selects a digit and moves the cursor to the next position.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

1. Open programming and select **405**  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Press VOLUME keys to select trunk and press  
RIGHT soft key to move the cursor
3. Enter the identifying trunk number
4. Press RIGHT soft key to return to step 2  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] CO TEL NO.

[704] CO TEL NO.

[704] CO TEL NO.  
3054264100

**Default Data:** No numbers entered

**Related Items:** MMC 404 Trunk Name

# MMC: 406 TRUNK RING ASSIGNMENT

**FOR:** ALL SYSTEMS

**Purpose:** Enables ringing to a specific station or a group of stations (or an auto attendant for systems other than 408/408i) when incoming calls are received. Destinations can be entered for both day and night modes or for each ring plan (1–6), depending on your system.

## ■ For all systems except iDCS & OS500

### ACTION

### DISPLAY

- |  |  |
|--|--|
| 1. Open programming and select <b>406</b><br>Display shows   | [701] TRK RING<br>D:500 N:500          |
| 2. Dial trunk number (e.g., 704)<br>OR<br>Press VOLUME keys to scroll through trunk numbers and press the RIGHT soft key to move the cursor  | [704] TRK RING<br>D: <u>5</u> 00 N:500 |
| 3. Dial station number or station group number for day (e.g., 205)<br>OR<br>Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor   | [704] TRK RING<br>D:205 N: <u>5</u> 00 |
| 4. Dial station number or station group number for night (e.g., 501)<br>OR<br>Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor | [704] TRK RING<br>D:205 N: <u>5</u> 01 |
| 5. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next MMC   |  |

**Default Data:** All trunks 500 (day and night) (50 for 408/408i)

**Related Items:** See *Related Items* below

## ■ For iDCS & OS500 systems

### ACTION

### DISPLAY

1. Open programming and select **406**  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Press VOLUME keys to scroll through trunk numbers and press the RIGHT soft key to move the cursor
3. Press the RIGHT soft key to move the cursor  
  
Dial station number or station group number for ring plan 1 (e.g., 205)  
OR  
Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor
4. Dial station number or station group number for ring plan 2 (e.g., 501)  
OR  
Press VOLUME keys to select station number or station group number and press RIGHT soft key to move cursor  
  
Continue to select destinations for ring plans 3–6  
  
(If you do not select destinations for ring plans 2–6, the destination for ring plan 1 is used)
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[701] TRK RING
1:500 2:500

[704] TRK RING
<u>1</u> :500 2:500

[704] TRK RING
1:205 2: <u>5</u> 00

[704] TRK RING
1:205 2: <u>5</u> 01

**Default Data:**            **All trunks ring 500**

**Related Items:**        **MMC 202 Change Feature Passcodes**  
                                 **MMC 507 Assign Ring Plan Time (iDCS & OS500 systems)**  
                                 **MMC 507 Assign Auto Night Time (other systems)**  
                                 **MMC 601 Assign Station Group**

# MMC: 407 FORCED TRUNK RELEASE

**FOR:** ALL SYSTEMS

**Purpose:** Provides a positive forced trunk release to a specific trunk or all trunks in the event of a trunk lock-up.

## ACTION

1. Open programming and select **407**  
Display shows
2. Dial trunk number ( e.g., 704)  
OR  
Press VOLUME keys selected trunk and press  
RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial 1 for YES or 0 for NO (e.g. 1)  
  
System returns to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[701] TRK RELS.  
RELEASE? Y:1,N:0

[704] TRK RELS.  
RELEASE? \_Y:1,N:0

OR

[ALL] TRK RELS.  
RELEASE? \_Y:1,N:0

[704] TRK RELS.  
RELEASE? Y:1,N:0

**Default Data:** None

**Related Items:** MMC 603 Assign Trunk Group

# MMC: 408 ASSIGN TRUNK MUSIC-ON-HOLD SOURCE

**FOR:** ALL SYSTEMS

**Purpose:** Selects which Music-On-Hold (MOH) source can be heard on each trunk. The possible selections are: TONE, NONE, internal or external (customer-provided MOH source).

<b>DCS</b>	At least one Trunk A card must be installed. 19 music selections are possible, depending on the number of Trunk A cards. One music source is provided per card. The default directory number of a music source is 3701–3719. (Internal music is always the odd numbered address, e.g. 3701, 3703.)
<b>Compact II</b>	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a music source is 371–372. (Internal music is always address 371.)
<b>816, 408 &amp; 408i</b>	There is a music source on the base board (switch select internal/external). The default directory number of a music source is 371.
<b>iDCS100</b>	Two possible music selections, depending on whether a Misc card is installed. One music source is provided on the base board (switch select internal/external); the other external source is provided on the Misc card. The default directory number of a music source is 371–372.
<b>iDCS500</b>	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 370x.
<b>OS500 'S' &amp; 'M'</b>	Two possible music selections on the Misc daughterboard. The default directory number of a BGM source is 37x.
<b>OS500 'L'</b>	Six possible music selections depending on the number of Misc daughterboards installed. The default directory number of a BGM source is 37x.

Additionally, for any system, you may also select an Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last port on the card. If selected, the music source will be the message defined in [MMC 736](#) from the port defined in this MMC.

For example, if this MMC selects the music source for station 201as 384 (the last port on the AA card) and MMC 736 selects message 20 for the AA card, extension 201 will hear message 20 from the installed AA card.

If you have a Voice Mail System installed you may also select a VM recording as a music source. The recording must already been defined in [MMC 756](#) and will show up here as the VM port assigned with the recording.

**ACTION**

**DISPLAY**

1. Open programming and select **408**  
Display shows current setting
2. Dial trunk number (e.g., 704)  
OR  
Press VOLUME keys to scroll through trunk numbers and press RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Enter source number (e.g., 3701)  
OR  
Press VOLUME keys to select option  
Press RIGHT soft key to return to step 2 above
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[701] TRK MOH  
MOH SOURCE:TONE

[704] TRK MOH  
MOH SOURCE:TONE

OR

[ALL] TRK MOH  
MOH SOURCE:?

[704] TRK MOH  
MOH SOURCE:3701

**Default Data:**        **TONE**

**Related Items:**        **MMC 308 Assign Background Music Source**  
                              **MMC 736 Assign AA MOH**  
                              **MMC 756 Assign VM MOH**



# MMC: 409

# TRUNK STATUS READ

**FOR:** ALL SYSTEMS

**Purpose:** (This is a read-only MMC.)

Allows the status of trunks to be read in a format that will enable the servicing personnel to quickly identify the ownership and position of a trunk.

The options displayed are shown in the table over the page.

## ACTION

## DISPLAY

1. Open programming and select **409**  
Display shows (e.g. for Compact II)
2. Enter trunk number (e.g., 704)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to advance cursor
3. Enter desired option 00-19 from table  
OR  
Press VOLUME keys to make selection
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[Z01] TRK STATUS  
PORT NO::EX1-01

[704] TRK STATUS  
PORT NO::EX1-04

[704] TRK STATUS  
1A2 EMULATE:OFF

**Default Data:** Follows trunk

**Related Items:**

- MMC 400 Customer On/Off Per Trunk
- MMC 401 C.O./PBX Line
- MMC 402 Trunk Dial Type
- MMC 403 Trunk Toll Class
- MMC 404 Trunk Name
- MMC 406 Trunk Ring Assignment
- MMC 408 Assign Trunk Music On Hold Source
- MMC 410 Assign DISA Trunk

Dial	DCS	COMPACT II, 816 & 408/408i	DCS & OS500
00	Port Number	Port Number	Port Number
01	Tenant Number	Type: e.g. LOOP, DDI, BRI, PRI ...	Type: e.g. LOOP, DDI, BRI, PRI ...
02	Type: e.g. LOOP, DDI, BRI, PRI ...	1A2 Emulation Status (On/Off)	1A2 Emulation Status (On/Off)
03	1A2 Emulation Status (On/Off)	Trunk Forward Status (On/Off)	Trunk Forward Status (On/Off)
04	Trunk Forward Status (On/Off)	Line Type (CO/PBX)	Line Type (CO/PBX)
05	Line Type (CO/PBX)	Dial Type (DTMF/Dial Pulse)	Dial Type (DTMF/Dial Pulse)
06	Dial Type (DTMF/Dial Pulse)	Day Toll Restriction	Ring Plan Toll Restriction (1)
07	Day Toll Restriction	Night Toll Restriction	Ring Plan Toll Restriction (2)
08	Night Toll Restriction	Day Ring Destination	Ring Plan Toll Restriction (3)
09	Day Ring Destination	Night Ring Destination	Ring Plan Toll Restriction (4)
10	Night Ring Destination	MOH Source	Ring Plan Toll Restriction (5)
11	MOH Source	DISA Status	Ring Plan Toll Restriction (6)
12	DISA Status	–	Ring Plan Ring Destination (1)
13	–	–	Ring Plan Ring Destination (2)
14	–	–	Ring Plan Ring Destination (3)
15	–	–	Ring Plan Ring Destination (4)
16	–	–	Ring Plan Ring Destination (5)
17	–	–	Ring Plan Ring Destination (6)
18	–	–	MOH Source
19	–	–	DISA Status

# MMC: 410

# ASSIGN DISA TRUNK

**FOR:** ALL SYSTEMS

**Purpose:** Allows the system to have Direct Inward System Access (DISA). Because there is a possibility that unauthorised calls will be made via this feature, several safeguards have been added. Users must be informed of these to prevent unnecessary service calls. DISA can lock out when a predetermined number of invalid consecutive calls are attempted. Callers will then receive ring back tone until a programmable timer has expired. The '\*' key may be used to initiate new dial tone while in a station-to-station call. The # key may be used to terminate the DISA call and disconnect the central office line. Multiple central office calls and internal calls are possible.

Note: In order to use DISA, the caller must first dial a valid station number, followed by a four-digit passcode. This passcode is defined in [MMC 101, Change User Passcode](#). DISA users MUST change this passcode as the default number cannot be used.

## ■ For all systems except iDCS & OS500

DISA can be made available in day mode, night mode or both.

### FEATURE KEYS

0	NORMAL	No DISA service
1	DAY	DISA is available in day mode
2	NIGHT	DISA is available in night mode
3	BOTH	DISA is available in both day and night mode

### ACTION

1. Open programming and select **410**  
Display shows
2. Dial trunk number ( e.g., 704)  
OR  
Press VOLUME keys to select trunk and press RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial an option (0–3) from above table  
OR  
Press VOLUME keys to select trunk and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

[701] DISA LINE  
NORMAL

[704] DISA LINE  
NORMAL

OR

[ALL] DISA LINE  
?

[704] DISA LINE  
NIGHT

**Default Data:**           **All trunks NORMAL**

**Related Items:**       **See *Related Items*, below**

## ■ For iDCS & OS500 systems

DISA availability must be assigned to ring plans.

### ACTION

1. Open programming and select **410**  
Display shows
2. Dial trunk number ( e.g., 704)  
OR  
Press VOLUME keys to select trunk and press  
RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Press VOLUME keys to move to required ring plan  
(1–6)  
  
(Use UP to move right, DOWN to move back)  
  
Dial 1 to select the ring plan (or 0 to deselect) and  
press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

[701]	123456
DISA LINE:000000	

[704]	123456
DISA LINE:000000	

OR

[ALL]	123456
DISA LINE:000000	

[704]	123456
DISA LINE:001000	

**Default Data:**           **All trunks=000000**

**Related Items:**       **MMC 101 Change User Passcode**  
                          **MMC 500 System-Wide Counters**  
                          **MMC 210 Customer On/Off (DISA PSWD option)**

# **MMC: 411**

# **ASSIGN E1 SIGNAL TYPE**

Not Used in UK / EU

# MMC: 412

# ASSIGN TRUNK SIGNAL

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Allows for the assignment of AC15 cards for proper signalling. This MMC is only for analogue types of AC15 trunks. These trunks can also use the translation tables in [MMC 714](#). The AC15 trunks are allowed the use of translation tables via [MMC 416](#). The signalling condition types are as follows:

- |   |                 |
|---|-----------------|
| 0 | IMMEDIATE START |
| 1 | DELAYED START   |
| 2 | WINK START      |
| 3 | NO ANSWER BACK  |
| 4 | DIRECT BACK     |

## ACTION

## DISPLAY

1. Open programming and select **412**  
Display shows
2. Enter desired trunk number (e.g., 705)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Enter desired trunk type selection from above list (e.g. 2)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[701] TRK SIGNAL IMMEDIATE START
-------------------------------------

[705] TRK SIGNAL IMMEDIATE START
-------------------------------------

[705] TRK SIGNAL WINK START
--------------------------------

**Default Data:** All AC15 trunks set to IMMEDIATE START

**Related Items:** MMC 416 Assign AC15 Translation  
MMC 714 DDI Number and Name Translation

# MMC: 413

## VMS CALL TYPE

**FOR:** CII operating SVM-800 Voice Mail / Auto Attendant only

**Purpose:** Sets the answering mode for the SVM-800.

Options are selectable Yes/No (Y/N).

**AP**      ANSWER PHONE  
**AT**      AUDIO TEXT  
**AA**      AUTO ATTENDANT  
**VM**      VOICE MAIL

### ACTION

1. Open programming and select **413**  
Display shows
2. Enter desired trunk number (e.g., 705)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Press RIGHT soft key to move cursor to required  
option (e.g. VM)  
  
Dial 1 for Y (Yes) to select, or 0 for N (No)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

[701] CTYPE AP:N  
AT:N AA:Y VM:N

[705] CTYPE AP:N  
AT:N AA:Y VM:N

[705] CTYPE AP:N  
AT:N AA:Y VM:Y

**Default Data:**

<b>AP:</b>	<b>NO</b>
<b>AT:</b>	<b>NO</b>
<b>AA:</b>	<b>YES</b>
<b>VM:</b>	<b>NO</b>

**Related Items:**      **None**

# MMC: 414

# MPD/PRS SIGNAL

FOR:	DCS	CI	CII	816	408	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	-----	---------	---------	-------

**Purpose:** Used on a per-trunk basis to define if a C.O. line is to be either a Metering Pulse Detection (MPD) or a Polarity Reversal Signal (PRS) trunk. (PRS is not available in the UK.)

A Meter Pulse Trunk will detect a C.O.-provided meter pulse. A Polarity Reversal trunk will detect the line reversal signal which may be provided by the C.O. when the other party answers the outgoing call or the outside party clears the call. If the trunk is designated as PRS detection, the call duration timer will be started and the results printed on the SMDR record. PRS detection is also essential for dropping a trunk-to-trunk conversation which is unsupervised by an internal party.

## ACTION

1. Open programming and select **414**  
Display shows
2. Enter desired trunk number (e.g. 705)  
OR  
Press VOLUME keys to select trunk and use  
LEFT or RIGHT soft key to move cursor
3. Press VOLUME keys to scroll through options  
and use LEFT or RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[701] TRK PRS NONE
-----------------------

[705] TRK PRS NONE
-----------------------

[705] TRK PRS <u>MPD</u>
-----------------------------

**Default Data:** NONE

**Related Items:** MMC 503 Trunk-Wide Timers  
MMC 508 Call Cost



# MMC: 415

## REPORT TRUNK ABANDON DATA

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Enables or disables the reporting of abandoned C.O. calls for which CLIP information has been collected on a per-trunk basis. There are two options:

- 0 REPORT : NO      Abandoned call records for incoming calls with CLIP information will not be printed on SMDR or stored in the system abandoned call list. These records will continue to be stored in the station review list.
- 1 REPORT : YES      Abandoned call records for incoming calls with CLIP information will be printed on SMDR or stored in the system abandoned call list. These records will also be stored in the station review list.

Note: In order for these abandoned call records to print on SMDR, use [MMC 725 \(SMDR Options\)](#) and set Option 11, *Abandon Call*, to YES.

### ACTION

### DISPLAY

1. Open programming and select **415**  
Display shows
2. Dial trunk number (e.g. 705)  
OR  
Press VOLUME keys to select trunk and use LEFT or RIGHT soft key to move cursor
3. Dial 1 for YES or 0 for NO (e.g. 0)  
OR  
Press VOLUME keys to scroll through options and use LEFT or RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[701] TRK ABNDN  
REPORT : YES

[705] TRK ABNDN  
REPORT : YES

[705] TRK ABNDN  
REPORT : NO

**Default Data :**      **REPORT: YES**

**Related Items:**      **MMC 119 CLIP Display**  
**MMC 312 Allow CLIP**  
**MMC 608 Assign CLIP Review Block**  
**MMC 722 Station Key Programming**  
**MMC 723 System Key Programming**  
**MMC 725 SMDR Options**  
**MMC 728 CLIP Translation Table**

# MMC: 416      ASSIGN AC15 TRANSLATION

**FOR:**   **DCS**   **CI**   **CII**      For iDCS/OS500 [MMC 416 Assign E&M/DID Ringdown](#), see below

**Purpose:** Provides an AC15 tie line with the ability to use DDI translation tables. Options are:

- 0 UNUSE DID TRANS (Follows [MMC 406](#))
- 1 USE DID TRANS (Follows [MMC 714](#))

## ACTION

1. Open programming and select **416**  
Display shows
2. Enter desired trunk number (e.g., 705)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial 0 or 1 to select option (e.g. 1)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[701]   TIE XLATE  
UNUSE DID TRANS

[705]   TIE XLATE  
UNUSE DID TRANS

OR

[ALL]   TIE XLATE  
UNUSE DID TRANS

[705]   TIE XLATE  
USE DID TRANS

**Default Data:**      **UNUSE DID TRANS**

**Related Items:**      **MMC 406 Trunk Ring Assignment**  
                             **MMC 714 DDI Number and Name Translation**

# MMC: 416 ASSIGN E&M/DID RINGDOWN

**FOR:** *iDCS100* *iDCS500* *OS500* For [MMC 416 Assign AC15 Translation](#), see above

**Purpose:** Defines which ring destination table an E&M or DID trunk will follow for incoming calls. There are three options for each trunk:

- |                    |  |
|--------------------|--|
| 0 FOLLOW INCOM DGT | When a trunk is set to this option calls will ring at the destination that matches the digits received from the C.O. (Follows <a href="#">MMC 406</a> )  |
| 1 FOLLOW DID TRANS | When a trunk is set to this option calls will ring at the destination defined in <a href="#">MMC 714</a> that matches the digits received from the C.O.  |
| 2 FOLLOW TRK RING  | Calls will ring at the destination defined in <a href="#">MMC 406</a> for that trunk. If the destination defined in MMC 406 is a VMAA port or group, the system will repeat the digits received from the C.O. to the port when it answers.<br><br>If you select this option, press the right soft key and "NUM OF DGT:" will appear in the display. Enter the number of incoming digits from the C.O. (0–4). |

## ACTION

1. Open programming and select **416**  
Display shows
2. Enter desired trunk number (e.g., 705)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial 0–2 to select option (e.g. 1)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] E&M TRANS  
FOLLOW INCOM DGT

[705] E&M TRANS  
FOLLOW INCOM DGT

OR

[ALL] E&M TRANS  
FOLLOW INCOM DGT

[705] E&M TRANS  
FOLLOW DID TRANS

**Default Data:** FOLLOW INCOM DGT

**Related Items:** MMC 406 Trunk Ring Assignment  
MMC 714 DDI Number and Name Translation

# MMC: 417

## E1/PRI CRC4 OPTION

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Enables or disables CRC4 generation and checking. It is useful with some networks which do not support CRC4 framing but only PCM30 framing. By default, the CRC option is ON.

Note: After changing this option, [MMC 418, Card Restart](#), must be used to restart the card to make the change effective.

### ACTION

1. Open programming and select **417**  
Display shows (e.g. for DCS)
2. Enter first trunk number in PRI card (e.g. 701)  
OR  
Press VOLUME keys to select first trunk number and press RIGHT soft key to move cursor
3. Enter 1 for ON or 0 for OFF  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

[701] E1/PRI CRC ON
------------------------

[701] E1/PRI CRC <u>ON</u>
-------------------------------

[701] E1/PRI CRC <u>OFF</u>
--------------------------------

**Default Data:**           **CRC4 ON**

**Related Items:**       **MMC 418 Card Restart**

# MMC: 418

# CARD RESTART

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Enables any changes you make in [MMC 417 \(E1/PRI-CRC4 Option\)](#), [MMC 419 \(BRI Option\)](#), [MMC 420 \(PRI Option\)](#) or [MMC 423 \(S/T Mode\)](#) and applies them, as appropriate, to each BRI or PRI card that you restart.

Note: PRI is not available on 816 or 408i systems.

## ACTION

1. Open programming and select **418**  
Display shows
2. Enter first trunk number in ISDN card (e.g. 701)  
OR  
Press VOLUME keys to select first trunk number  
and press RIGHT soft key to move cursor
3. Press VOLUME keys to select YES or NO and  
press RIGHT soft key  
(If you select NO, system returns to step 2)
4. You are asked to confirm your selection  
Enter 1 for YES or 0 for NO  
OR  
Press VOLUME keys to select and press RIGHT  
soft key  
(If you select YES, the card is restarted)
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[701] RESTART  
CARD RESTART ? NO

[701] RESTART  
CARD RESTART ? NO

[701] RESTART  
CARD RESTART ? YES

[701] RESTART  
ARE YOU SURE ? YES

**Default Data:**           **None**

**Related Items:**       **MMC 417 E1/PRI CRC4 Option**  
**MMC 419 BRI Option**  
**MMC 420 PRI Option**  
**MMC 423 S/T Mode**  
**MMC 424 So Mapping**

# MMC: 419

## BRI OPTIONS

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** This MMC comprises two groups of options. One group is for the "TRUNK" ports and the other is for the "STATION" ports as set in [MMC 423, S/T Mode](#). **Be aware that some options may not be available on your system.**

Note:

- 1 For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.
- 2 If changes are made using this MMC, the BRI card affected must be restarted using [MMC 418, Card Restart](#).

### Ports Programmed as "TRUNK" in MMC 423

Display shows "BRI-TRK". Items to select include some or all of the following: CHANNEL ANY, BRI MODE, DLSEND, BRI CODING, CLIP TABLE and NB TYPE.

- **CHANNEL ANY**

This field can be set to YES or NO and is referenced when a user attempts an outgoing call while that port is busy.

If CHANNEL ANY is NO, the user hears busy tone.

If CHANNEL ANY is YES, the system checks if the adjacent port (another B channel in the same BRI access) is free. If it is free, the user can call through that port. Otherwise, the user hears busy tone.

- **BRI MODE**

**P-P DDI:** When BRI line is point-to-point configuration and is a DDI line. Incoming calls are placed as set in [MMC 714 \(DDI Number & Name Translation\)](#). All incoming calls through the DDI trunk will be placed according to the setting of the DDI table.

**P-M NOR:** When BRI line is point-to-multipoint configuration and is not an MSN line. Incoming calls are placed as set in [MMC 406 \(Trunk Ring Assignment\)](#).

**P-M MSN:** When BRI line is point-to-multipoint configuration and is an MSN line. The system can manage up to eight MSN numbers for each MSN BRI access. Incoming calls through P-MP MSN ports are handled as set in [MMC 421 \(MSN Digit\)](#). Each BRI access requires its own table.

**P-P NOR:** When BRI line is point-to-point configuration and is not a DDI line. Incoming calls are placed as set in [MMC 406 \(Trunk Ring Assignment\)](#).

- **DLSEND**

This field is provided to set the dial sending mode to "enblock" or "overlap" on an individual port basis. If enblock, digits are sent in a single block; if overlap, digits are sent as they dialled.

- **BRI CODING**

A-LAW or  $\mu$ -LAW (A-LAW in UK)

- **CLIP TABLE**

Used to select the CLIP number to send to the network. If NONE is selected, the trunk number set in [MMC 405 \(Trunk Number\)](#) is sent to the network. Otherwise, the number entered in [MMC 323 \(Send CLIP Number\)](#) corresponding to the number set here is sent to the network.

- **NB TYPE**

Changes the number type field of the set-up message for the CLIP number sent to the network. Options are UNKNOWN and INT NAT (International).

### Ports Programmed as "STATION" in MMC 423

Display shows "BRI-STN". Items to select include some or all of the following: CHANNEL ANY, POWER FEED and BRI CODING.

- **CHANNEL ANY**

(See above.)

- **POWER FEED**

This field determines if power to a BRI access will be supplied (YES or NO).

- **BRI CODING**

A-LAW or  $\mu$ -LAW (A-LAW in UK)

In BRI-STN, options DLSEND and BRI MODE are not included because the system uses implicit data for these: enblock for DLSEND and P-MP for BRI MODE.

### ACTION

1. Open programming and select **419**  
Display shows

### DISPLAY

[Z01] BRI-TRK  
CHANNEL ANY : YES

OR

[Z01] BRI-STN  
CHANNEL ANY : YES

2. Dial BRI trunk number (e.g. 703)  
OR  
Press VOLUME keys to select the port  
**For TRUNK ports (TRK)**, go to step 3.a  
**For STATION ports (STN)**, go to step 3.b

- 3.a Display is as shown for TRUNK ports  
Use the RIGHT soft key to position the cursor under CHANNEL ANY

[703] BRI-TRK  
CHANNEL ANY : YES

- 3.a.1 Press VOLUME keys to choose item (CHANNEL ANY, BRI MODE, DLSEND, BRI CODING)  
Press RIGHT soft key to move the cursor  
Press VOLUME keys to select option (e.g. P-P DDI for BRI MODE)  
If you press RIGHT soft key, cursor moves under Trunk number (step 3.a)  
If you press LEFT soft key, cursor returns to option (e.g. BRI MODE)
- 3.a.2 For other items, repeat step 3.a.1
- 3.a.3 For another port, repeat from step 2  
When finished, go to step 4
- 3.b Display is as shown for STATION ports
- 3.b.1 Press VOLUME keys to choose item: CHANNEL ANY, POWER FEED, BRI CODING  
  
Press RIGHT soft key to move cursor and make selection
- 3.b.2 For other items, repeat step 3.b.1
- 3.b.3 For another port, repeat from step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[703] BRI-TRK  
BRI MODE:P-P DDI

[703] BRI-TRK  
CHANNEL ANY : YES

[703] BRI-STN  
CHANNEL ANY : YES

**Default Data:**

<b>CHANNEL ANY:</b>	<b>YES</b>
<b>BRI MODE:</b>	<b>P-P DDI</b>
<b>DLSEND:</b>	<b>OVERLAP</b>
<b>POWER FEED:</b>	<b>NO</b>
<b>CLIP TABLE:</b>	<b>NONE</b>
<b>NB TYPE:</b>	<b>UNKNOWN</b>
<b>BRI CODING:</b>	<b>A-LAW</b>

**Related Items:**

- MMC 418 Card Restart**
- MMC 421 MSN Digit**
- MMC 423 S/T Mode**
- MMC 714 DDI Number and Name Translation**



# MMC: 420

# PRI OPTIONS

FOR:	DCS	CII	iDCS100	iDCS500	OS500
------	-----	-----	---------	---------	-------

**Purpose:** Allows the system DDI/NORMAL access and sets dial sending mode (DLSEND) on an individual port basis to OVERLAP or ENBLOCK. However, if you change the dial sending mode of one port, all other ports must be set to the same dial sending mode. **Be aware that some of the following options may not be available on your system.**

## OPTIONS

**CHANNEL ANY:** If set to YES, when a call is initiated the channel used is specified by the network; if set to NO, when a call is initiated the system will specify which channel to use.

**PRI MODE:** If your PRI line is not registered for DDI service at the Central Office, you can use NORMAL service (e.g. subaddress or normal trunk incoming service). If you set PRI MODE to DDI, you can service DDI (Direct Dial Inward) to a specific station or station group according to DDI NUMBER TABLE.

**DLSEND:** Overlap or Enblock. If Enblock, digits are sent in a single block; if Overlap, digits are sent as they dialled.

**CLIP TABLE:** Used to select the CLIP number to send to the network. If NONE is selected, the trunk number set in [MMC 405 \(Trunk Number\)](#) is sent to the network. Otherwise, the number entered in [MMC 323 \(Send CLIP Number\)](#) corresponding to the number set here is sent to the network.

**NB TYPE:** Changes the number type field of the set-up message for the CLIP number sent to the network. Options are UNKNOWN, INT NAT (International), NATIONAL, NETWORK SUBSCRIB, ABBREV and EXTEN.

**NB PLAN:** Sets the type of number sent to the network. Options are UNKNOWN, ISDN, DATA, TELEX, NATION, PRIVATE and EXTEN.

Note: If changes are made using this MMC, the PRI card affected must be restarted using [MMC 418, Card Restart](#).

## ACTION

1. Open programming and select **420**  
Display shows
2. Dial PRI trunk number (e.g. 704)  
OR  
Press VOLUME keys to select the port  
Press the RIGHT soft key to move the cursor
3. Press VOLUME keys to make selection  
(CHANNEL ANY, PRI MODE or DLSEND) and  
press RIGHT soft key to move the cursor

## DISPLAY

[701] PRI OPTION  
CHANNEL ANY: YES

[704] PRI OPTION  
CHANNEL ANY: YES

[704] PRI OPTION  
DLSEND : OVERLAP

4. Press VOLUME keys to make selection  
and press RIGHT soft key to return to step 2

[704] PRI OPTION DLSEND : ENBLOCK
--------------------------------------

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

<b>Default Data:</b>	<b>CHANNEL ANY:</b>	<b>YES</b>
	<b>PRI MODE:</b>	<b>DDI</b>
	<b>DLSEND:</b>	<b>OVERLAP</b>
	<b>CLIP TABLE:</b>	<b>NONE</b>
	<b>NB TYPE:</b>	<b>UNKNOWN</b>
	<b>NB PLAN:</b>	<b>UNKNOWN</b>

<b>Related Items:</b>	<b>MMC 418 Card Restart</b>
	<b>MMC 406 Trunk Ring Assignment</b>
	<b>MMC 714 DDI Number and Name Translation</b>

# MMC: 421

# MSN DIGIT

FOR:	DCS	CI	CII	816	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	---------	---------	-------

**Purpose:** Assigns an incoming MSN call to a specific station. If any entry in MSN DIGIT TABLE matches an incoming call's called party number, either the specific station is alerted, if it is programmed to accept the call, or the call is cleared if it is programmed to reject the call.

If the incoming called party number does not have a matching entry in the MSN table, the operator is alerted.

You can give each MSN number to a specific station and you can select a call waiting option: when a destination is busy, the incoming call must be cleared or camped-on to the station (which is alerted to the call).

There is a total of eight entries on a trunk basis and each entry consists of the following fields:

<b>DIGITS</b>	Digits to be received (maximum of 10).
<b>DAY DEST</b>	Destination in day mode - can be a station or a station group.
OR	
<b>RING PLAN</b>	Destinations for ring plans 1-6 - can be a station or a station group.
<b>NIGHT DEST</b>	Destination in night mode - can be a station or a station group.
OR	
<b>RING PLAN</b>	Destinations for ring plans 1-6 - can be a station or a station group.
<b>CALL WAIT</b>	Toggles YES or NO: if YES then the call will be camped-on at busy destination while NO gives busy indication.
<b>OPTION</b>	Accept: the selected destination party will be alerted. Reject: the call is cleared

Note: For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.

## ACTION

## DISPLAY

1. Open programming and select **421**  
Display shows
2. Enter trunk number (e.g. 704)  
OR  
Press VOLUME keys to scroll through ports  
and press RIGHT soft key to move cursor
3. Enter the location 1-8 (e.g. 4)  
OR  
Press VOLUME keys to select location and press  
RIGHT soft key to move cursor
4. Enter digits to be translated (e.g. 4603881) and  
press RIGHT soft key to move to the destination  
selection  
(Max. digits is 10)
5. Enter day destination\* (e.g. 204)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key  
  
(\* NB: iDCS and OS500 systems show ring plans 1  
and 2. Enter values for these plans and press  
RIGHT soft key to select destinations for ring plans  
3 and 4, then plans 5 and 6, as required. Then go to  
step 7.)
6. Enter night destination (e.g. 202)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
7. Enter 1 for YES or 0 for NO for Call Waiting  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
8. Enter 1 for ACCEPT or 0 for REJECT (for Option)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
9. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[701]MSN DGT (1)  
DGT:

[704]MSN DGT (1)  
DGT:

[704]MSN DGT (4)  
DGT:\_

[704]MSN DGT (4)  
DGT:4603881\_

[704]MSN DGT (4)  
→D:204 N:

[704]MSN DGT (4)  
→D:204 N:202

[704]MSN DGT (4)  
CW:NO OPT:ACEPT

[704]MSN DGT (4)  
CW:NO OPT:ACEPT

**Default Data:**           **None**

**Related Items:**       **MMC 419 BRI Options**  
                              **MMC 420 PRI Options**

# MMC: 422

# ASSIGN TRUNK COS

**FOR:** ALL SYSTEMS

**Purpose:** Assigns a class of service (COS) to each trunk for each ring plan 1–6, or for day and night mode, depending on your system.

For DCS, Compact II, iDCS and OS500 systems there are 30 (01–30) different classes of service. For 816 systems there are 10 (01–10). For 408/408i systems there are four (1–4). These are defined in [MMC 701, Assign COS Contents](#). According to the assigned COS, an outside caller to the system via a DISA line without a passcode may have restricted access to system features.

## ■ For all systems except iDCS & OS500

### ACTION

1. Open programming and select **422**  
Display shows first trunk
2. Dial trunk number (e.g. 705)  
OR  
Press VOLUME keys to scroll through trunks and press RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Enter day class of service (e.g. 05)  
OR  
Press VOLUME keys to scroll through classes of service and press RIGHT soft key
4. Enter night class of service (e.g. 05)  
OR  
Press VOLUME keys to scroll through classes of service and press RIGHT soft key to return to step 2
5. Press Transfer/TRSF to save and exit  
OR  
Press SPEAKER to save and advance to next MMC

### DISPLAY

[701] TRK COS  
DAY:01 NIGHT:01

[705] TRK COS  
DAY:01 NIGHT: 01

OR

[ALL] TRK COS  
DAY:?? NIGHT:??

[205] TRK COS  
DAY:05 NIGHT:01

[205] TRK COS  
DAY:05 NIGHT:05

**Default Data:** DAY CLASS: COS 01 (1)  
NIGHT CLASS: COS 01 (1)

**Related Items:** See *Related Items* below

## ■ For iDCS & OS500 systems

### ACTION

1. Open programming and select **422**  
Display shows first trunk
2. Dial trunk number (e.g. 705)  
OR  
Press VOLUME keys to scroll through trunks and press RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Press RIGHT soft key to move cursor  
Enter class of service for ring plan 1 (e.g. 05)  
OR  
Press VOLUME keys to scroll through classes of service and press RIGHT soft key
4. Enter class of service for ring plan 2 (e.g. 05)  
OR  
Press VOLUME keys to scroll through classes of service and press RIGHT soft key  
  
Continue to select COS for other ring plans as required
5. Press Transfer/TRSF to save and exit  
OR  
Press SPEAKER to save and advance to next MMC

### DISPLAY

[701]	TRK COS
1:01	2:01 3:01

[705]	TRK COS
1:01	2:01 3:01

OR

[ALL]	TRK COS
1:01	2:01 3:01

[205]	TRK COS
1:05	2:01 3:01

[205]	TRK COS
1:05	2:05 3:01

**Default Data:** All ring plans: COS 01

**Related Items:** MMC 301 Assign Station COS  
MMC 410 Assign DISA Trunk  
MMC 701 Assign COS Contents

# MMC: 423

## S/T MODE

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Selects the function of each BRI access. You can set a BRI access as "TRUNK" to which an ISDN C.O. line is connected, or as "STATION" to which an ISDN terminal is connected.

For each BRI access, two adjacent ports are assigned. You need only change the value for one of the two ports; the value for the other port will be changed automatically.

Note: Any change made in this MMC will take effect only after restarting the BRI card. Use [MMC 418, Card Restart](#), to restart the card.

### ACTION

### DISPLAY

1. Open programming and select **423**  
Display shows (e.g. TRUNK)
2. Dial BRI trunk number (e.g. 703)  
OR  
Press VOLUME keys to select the port

[701] S/T MODE TRUNK
-------------------------

[703] S/T MODE TRUNK
-------------------------

Use the RIGHT soft key to position the cursor under "TRUNK" (or "STATION")

3. Press VOLUME keys to make selection (TRUNK or STATION)

[703] S/T MODE STATION
---------------------------

Press RIGHT soft key to position the cursor under the port number again

4. For other ports, repeat steps 2 and 3
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:** TRUNK

**Related Items:** MMC 418 Card Restart  
MMC 419 BRI Option  
MMC 424 So Mapping

# MMC: 424

## S0 MAPPING

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Generates a table by which an ISDN terminal number is mapped onto a BRI STATION port.

Note: For each BRI access, two adjacent ports are assigned. You need only map a number onto one of the two ports. You can map only one port to each number. This means you can't use the same number in more than one BRI access. However, more than one number can be mapped onto a port and used in a BRI access.

### ACTION

1. Open programming and select **424**  
Display shows
2. Dial an ISDN terminal number (e.g. 7803)  
OR  
Press VOLUME keys to select the number and press RIGHT soft key to move cursor
3. Dial an ISDN station number (e.g. 703)  
OR  
Press VOLUME keys to select the number and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

[7801]S0 MAPPING  
NONE

[7803]S0 MAPPING  
NONE

[7803]S0 MAPPING  
703

**Default Data:**           **NONE**

**Related Items:**       **MMC 419 BRI Option**  
                             **MMC 423 S/T Mode**



# MMC: 426 TRUNK GAIN CONTROL

FOR:	DCS	CII	816	408	408i	iDCS100	iDCS500	OS500
------	-----	-----	-----	-----	------	---------	---------	-------

**Purpose:** Allows loss levels (dB) to be adjusted on a per-trunk basis. Two adjustments are available: "TX" is the transmit level adjustment of the trunk to the station; "RX" is the receive level adjustment of the station to the trunk.

## ACTION

1. Open programming and select **426**  
Display shows
2. Dial trunk number ( e.g., 704)  
OR  
Press VOLUME keys to select trunk and press RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Press VOLUME keys to select trunk RX gain and press RIGHT soft key
4. Press VOLUME keys to select trunk TX gain and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] TRUNK GAIN RX : +0.0 TX : +0.0
---

[704] TRUNK GAIN RX : $\pm$ 0.0 TX : +0.0
--

OR

[ALL] TRUNK GAIN RX : $\pm$ 0.0 TX : +0.0
--

[704] TRUNK GAIN RX : +1.0 TX : $\pm$ 0.0
--

[704] TRUNK GAIN RX : +1.0 TX : +1.0
---

**Default Data:** RX=+0.0, TX=+0.0 dB for all trunks

**Related Items:** None

# MMC: 427

# R2MFC SIGNAL

Not Used in UK / EU

# MMC: 428 ASSIGN TRUNK / TRUNK USE

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Controls whether trunks in a trunk use group can conference or tandem dial on to trunks in other use groups. For example, to allow an incoming call on one trunk to be externally transferred via another. Options are YES or NO.

Use groups are set up in [MMC 614](#).

## ACTION

1. Open programming and select **428**  
Display shows
2. Dial the first trunk use group number (e.g., 301)  
OR  
Press VOLUME keys to select group and press RIGHT soft key  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial the second trunk use group number (e.g., 303)  
OR  
Press VOLUME keys to select group and press RIGHT soft key
4. Dial 1 for YES or 0 for NO  
OR  
Press VOLUME keys to select YES/NO and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[301] USE [301] DIAL: YES
------------------------------

[301] USE [301] DIAL: YES
------------------------------

[301] USE [303] DIAL: YES
------------------------------

[301] USE [303] DIAL: NO
-----------------------------

**Default Data:** DIAL=YES

**Related Items:** MMC 614 Use Group

# MMC: 433

# TRUNK COST RATE

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** The Trunk Cost Rate flags are entered for each trunk. Dial Plans are defined in [MMC 746](#). Rate Calculation Tables are defined in [MMC 747](#). Each trunk may be defined with up to eight cost rates. A cost rate is selected by entering a digit '1' beneath it in the display. If an entry is left with all zeros, no call costing will be calculated for that particular dial plan. Cost rate 8 is set for incoming calls only: select this cost rate for a trunk only if you want incoming call costing.

By default, all cost rates are selected. For most applications there is no need to change this default.

## ACTION

## DISPLAY

1. Open programming and select **433**  
Display shows trunk number and cost rates (CR)

[Z01]	:12345678
CR	:11111111

2. Dial trunk number (e.g., 705)  
OR  
Press VOLUME keys to select trunk and press  
RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))

[705]	:12345678
CR	: <u>1</u> 1111111

3. Dial 1 to select a cost rate (insert "1") or 0 to  
deselect (insert "0") (e.g. select 1 and 2 only)

[705]	:12345678
CR	:1 <u>1</u> 000000

Press VOLUME keys to move cursor

4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**      **All Cost Rates Assigned**

**Related Items:**      **MMC 110 Station On/Off** (Call Cost option)  
                         **MMC 746 Costing Dial Plan**  
                         **MMC 747 Rate Calculation Table**

# MMC: 434

# CONNECTION STATUS

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

## **Purpose: (This is a read-only MMC.)**

Confirms the connection status of stations or trunks. Display status shows the status of a station or trunk at the time requested. If a station or trunk is in an idle state the display will show "IDLE". If the station or trunk selected is not a valid selection the display will show "INVALID DATA". If the station or trunk is made busy by the CPU the display will show "MADE BUSY". If the station is in busy state with no other connection, the display will show "BUSY" only. If a conference is in progress with the selected trunk or station, the display will show one of the conference parties and an arrow (→). Other parties in the conference can then be displayed by pressing the RIGHT soft key.

## **ACTION**

1. Open programming and select **434**  
Display shows (for example)
2. Dial station or trunk number (e.g., 205)  
OR  
Press VOLUME keys to select  
  
(In this example, 205 is busy.)
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## **DISPLAY**

DISPLAY STATUS
201 IDLE

DISPLAY STATUS
205 BUSY

**Default Data:**            **None**

**Related Items:**        **MMC 108 Station Status**  
                              **MMC 409 Trunk Status Read**

# MMC: 436

# TRUNK TMC GAIN

FOR: OS500

**Purpose:** Adjusts the standard sensitivity for each C.O. line (sending and receiving).  
The range is -10 dB to +20 dB. These values are represented by entering values +0 to +30 (e.g. +1 is -9 dB).

## ACTION

1. Open programming and select **436**  
Display shows
2. Enter the C.O. line number (e.g. 702).  
OR  
Press VOLUME keys to select and press RIGHT soft key to move the cursor  
OR  
Select all lines ([see section 1.5.2](#))
3. Enter the gain level for received calls (R) (e.g. +1)  
OR  
Press VOLUME keys to select and press RIGHT soft key to move the cursor
4. Enter the gain level for transmitted calls (T) (e.g. +1)  
OR  
Press VOLUME keys to select and press RIGHT soft key to move the cursor
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] TMC GAIN  
R: +0 dB T: +0 dB

[702] TMC GAIN  
R: +0 dB T: +0 dB

OR

[ALL] TMC GAIN  
R: +0 dB T: +0 dB

[702] TMC GAIN  
R: +1 dB T: +0 dB

[702] TMC GAIN  
R: +1 dB T: +1 dB

**Default Data:** R: +0 dB T: +0 dB

**Related Items:** None

# MMC: 500 SYSTEM-WIDE COUNTERS

**FOR:** ALL SYSTEMS

**Purpose:** Sets the values of the system counters. The counters are listed below with a brief description of each.

DIAL	COUNTER	DESCRIPTION
0	ALARM REMINDER	The number of times that an alarm reminder will ring a station before cancelling. RANGE = 1–99.
1	AUTO REDIAL	The number of times the system will redial an outside number after the auto redial feature has been activated. RANGE = 1–99.
2	DISA CALL	Sets the maximum number of internal calls that can be made after accessing a DISA line. RANGE = 1–99.
3	DISA LOCK	Number of attempts the system will allow to incorrectly access a DISA line before locking out the DISA line. RANGE = 1–99.
4	NEW CALL	Number of times the system will allow a user to signal New Call on a C.O. line during one call. RANGE = 1–99.
5	UCDS VISUAL ALARM*	Used to set the Visual Alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0–25.
6	UCDS AUDIO ALARM*	Used to set the Audio Alarm threshold. It is triggered when the number of calls waiting to be answered in the UCD group reaches this value. RANGE = 0–25
7	UCD CS LEVEL 1*	Provides call wait indication level 1 if number of calls waiting to be answered in UCD group reaches this value. RANGE = 0–25.
8	UCD CS LEVEL 2*	Provides call wait indication level 2 if number of calls waiting to be answered in UCD group reaches this value. RANGE = 0–25.

\* Options 5–8 are not available on 408/408i systems.

## ACTION

## DISPLAY

1. Open programming and select **500**  
Display shows
2. Enter number from above list (e.g., 6)  
OR  
Press VOLUME keys to make selection  
and press RIGHT soft key to move cursor
3. Enter new value  
  
If entry is valid, system will return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

ALARM REM.CNTER  
05→

UCDS VISUAL ALAM  
00→\_

UCDS VISUAL ALAM  
00→02

<b>Default Data:</b>	<b>Alarm Reminder</b>	<b>5</b>
	<b>Auto Redial</b>	<b>5</b>
	<b>DISA Call</b>	<b>99</b>
	<b>DISA Lock</b>	<b>3</b>
	<b>New Call</b>	<b>99</b>
	<b>UCDS Visual Alarm</b>	<b>0</b>
	<b>UCDS Audio Alarm</b>	<b>0</b>
	<b>UCD CS Level 1</b>	<b>0</b>
	<b>UCD CS Level 2</b>	<b>0</b>

**Related Items:**      **MMC 501 System-Wide Timers**



# MMC: 501

# SYSTEM-WIDE TIMERS

**FOR:** ALL SYSTEMS

**Purpose:** Allows the adjustment of individual system timers as necessary. Some timers can be disabled by setting the time to all zeros (000). [See table of timers and values, below.](#)

## ACTION

1. Open programming and select **501**  
Display shows first timer value
2. Press VOLUME keys to select timer (e.g. KMMC Lock Out) and press RIGHT soft key to move cursor
3. Enter new value  
System returns to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

AA INT DGT TIME  
05 SEC →

KMMC LOCK OUT TM  
30 SEC → \_

KMMC LOCK OUT TM  
30 SEC → 255

**Default Data:** [See below](#)

**Related Items:** None

## Timers and Values

This is a complete listing of all system timers. Note that the timers displayed will depend on the system you are using.

TIMER NAME	DEFAULT	RANGE
AA INT DGT	05 SEC	1-25 SEC
AA NO ACT	10 SEC	1-25 SEC
AA TRANS	00 SEC	0-25 SEC
ALARM	0100 MIN	0-2500 MIN
ALERT TONE	1000 MS	0-2500 MS
ALM REM.INTERVAL	25 SEC	1-250 SEC
ALM REM.RING OFF	10 SEC	1-25 SEC
ATT.RECALL	30 SEC	1-250 SEC
AUTO REDIAL INT.	30 SEC	1-250 SEC
AUTO REDIAL RLS.	45 SEC	1-250 SEC
BARGE-IN TONE INT	1300 MS	100-9900 MS
BOOTH TIME OUT (Hotel Application)	005 MIN	0-250 MIN
CALLBACK NO ANS	30 SEC	1-250 SEC
CAMP ON RECALL	30 SEC	1-250 SEC
CLIP/CID MSG RECEIVE	6 SEC	1-25 SEC
CLIP DISPLAY	5 SEC	1-25 SEC
CO CLEAR	30 SEC	0-250 SEC
CO CONFIRM	3 MIN	0-255 MIN
CO-CO DISCONNECT	20 MIN	0-255 MIN
CONFER TONE INT	9900 MS	100-9900 MS
CONFIRM TONE	1000 MS	100-2500 MS
CRD TONE INT	30 SEC	1-250 SEC
DIAL PASS	5 SEC	1-25 SEC
DISA DISCONNECT	30 MIN	1-255 MIN
DISA LOCK OUT	30 MIN	1-255 MIN
DISA NOANS DISC	30 SEC	0-250 SEC
DISA PASS CHECK	30 MIN	1-255 MIN
DISPLAY DELAY	3 SEC	1-250 SEC
DOOR LOCK RELEASE	500 MS	100-2500 MS
DOOR RING DETECT	50 MS	10-250 MS
DOOR RING OFF	30 SEC	1-250 SEC
E-HOLD RECALL	45 SEC	0-250 SEC
EXT.FWD DELAY	10 SEC	1-250 SEC
FIRST DIGIT	10 SEC	1-250 SEC
HOK FLASH MAX	120 MS	20-2500 MS
HOK FLASH MIN	80 MS	20-2500 MS
HOOK OFF	200 MS	100-2500 MS
HOOK ON	200 MS	20-2500 MS
INQUIRY RELEASE	30 SEC	1-250 SEC
INTER DIGIT	10 SEC	1-250 SEC
ISDN INT DGT	07 SEC	1-15 SEC
KMMC LOCK OUT	30 SEC	10-250 SEC
LCR ADVANCE	5 SEC	1-250 SEC
LCR INTER DIGIT	5 SEC	1-250 SEC
LONG KEY DETECT	600 MS	0-999 MS
LONG KEY REPEAT	300 MS	0-999 MS
MCL DELAY	4 SEC	1-8 SEC
MS LED ON	05 SEC	0-10 SEC
OFF HOK RING INT	15 SEC	1-250 SEC

OFF HOOK SELECT	5 SEC	1–250 SEC
OHVA ANSWER	10 SEC	1–250 SEC
OVERLAP INT DGT	7 SEC	1 - 15 SEC
PAGE TIME OUT	20 SEC	1–250 SEC
PAGE TONE	500 MS	100–2500 MS
PARK RECALL	45 SEC	0–250 SEC
PC-MMC LOCK	5 MIN	1–60 MIN
PERI UCD REPORT	5 SEC	3–99 SEC
POWER DOWN	2000 MS	1000–9900 MS
RECALL DISCONNECT	2 MIN	1–255 MIN
RECALL WAIT	15 SEC	1–250 SEC
SMDR START/DP	30 SEC	1–250 SEC
SMDR START/DTMF	15 SEC	1–250 SEC
ROUTE OPTIMISE	010 SEC	0–250 SEC
SYS HOLD RECALL	45 SEC	0–250 SEC
TRANSFER RECALL	20 SEC	0–250 SEC
TSW CONN. DELAY	00 SEC	0–10 SEC
UCDS AUDIO ALARM	0 SEC	0–250 SEC
UCDS VISUAL ALARM	0 SEC	0–250 SEC
VMS UCD MSG	5 SEC	1–99 SEC
VOICE DIAL DELAY	8 SEC	5–15 SEC
VOIP RE-ROUTE	5 SEC	02–25 SEC
R/D RING ON (not used)	–	–
R/D SIGNAL ON (not used)	–	–

## Timer Descriptions

**AA INT DGT:** Controls the grace period between dialling valid digits before transferring call to INVLDI DEST as set in [MMC 733](#) on a per-plan basis.

**AA NO ACT:** Time AA will wait for first digit for processing, after which call is transferred to the destination set in NO ACT DEST in [MMC 733](#).

**AA TRANS:** After this time, compare input digit with AA translation table ([MMC 732](#)) and transfer to destination.

**ALARM:** The time after which the System Alarm key will start ringing again when it has been silenced (iDCS500 'L' and OS500 systems only).

**ALERT TONE:** Sets the duration of the attention tone preceding a call to a keyset in the Voice Announce or Auto Answer mode. This tone also precedes a forced Auto Answer call.

**ALM REM INTERVAL:** Controls the time between ring attempts at a station when alarm reminder is set.

**ALM REM RING OFF:** Controls the length of the ring cycle when alarm reminder is set at a station.

**ATT RECALL:** The length of time a transfer recall will ring at a station before recalling the operator.

**AUTO REDIAL INT:** Controls the time between attempts after RETRY dialling is set on a station.

**AUTO REDIAL RLS:** Controls the duration of a Ring No Answer condition on a retry number dialled before the auto redial is automatically cancelled.

**BARGE-IN TONE INT:** Controls the interval between the tones sent to the station being barged in on.

**BOOTH TIME OUT:** Controls the time for which a booth phone is enabled (Hotel application).

**CALLBACK NO ANS:** Controls the time before the callback is automatically cancelled when a callback detects Ring No Answer.

**CAMP ON RECALL:** Controls how long a camped-on call will stay at a destination before recalling to the transferring station.

**CLIP DISPLAY:** The amount of time that the Calling Line ID information remains on the keyset's display. While on a trunk conversation, users are allowed to review received CLIP by pressing *SCROLL* key → *CLIP* soft key. LCD will automatically go back to trunk conversation status on expiration of this timer.

**CLIP MSG RECEIVE:** The amount of time that the system will allow a valid message from the C.O.

**C.O. CLEAR:** The length of time a Direct Trunk Select key remains busy after cleardown.

**CO CONFIRM:** After this time, the outgoing call is disconnected or you hear the confirm tone.

**C.O.- C.O. DISCONNECT:** Monitors the duration of an unsupervised conference; when it expires, both trunks are disconnected.

**CONFER TONE INT:** Controls the intervals between the tones heard by the parties in a conference.

**CONFIRM TONE:** The tone heard when a feature is activated or deactivated.

**CRD TONE INT:** Controls the interval of the intermittent tone presented to station users whose calls are being recorded using the Auto Record feature (see Voice Mail documentation).

**DIAL PASS:** The wait time for preventing the misdialling of an outgoing call. After the last digit has been dialled, the voice path is connected.

**DISA DISCONNECT:** Controls the maximum duration of a DISA call.

**DISA LOCK OUT:** Controls the time period for which a DISA call is not allowed to be made after the DISA error counter has expired ([MMC 500](#)).

**DISA NOANS DISC:** Controls the time period after which a DISA call is disconnected if the call is not answered.

**DISA PASS CHECK:** Defines the time period before the system clears the incorrect passcode counter.

**DISPLAY DELAY:** Controls how long information is shown in the LCD. This timer also controls how long error tone is heard.

**DOOR LOCK RELEASE:** Controls how long the door lock relay is activated.

**DOOR RING DETECT:** Controls the period of time before a call is answered by the door phone.

**DOOR RING OFF:** Controls the duration of ringing at the door ring destination before automatically cancelling.

**E-HOLD RECALL:** Controls how long a call is held exclusively at a station before recalling. See [ATT Recall](#) timer.

**EXT. FWD DELAY:** Controls how long a station set to External Call Forward will ring before the call is placed on external call forwarding. (iDCS and OS500 systems use the EFWD DELAY feature in [MMC 502](#).)

**FIRST DIGIT:** Controls how long the system will wait for dialling to begin before dropping the dial tone and returning the user to error tone.

**HOK FLASH MAX:** Monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (LONGEST DURATION).

**HOK FLASH MIN:** Monitors the duration of a hookswitch flash to ensure that the flash is valid and not a line noise or an accidental hookswitch bounce (SHORTEST DURATION).

**HOOK OFF:** Controls the time before dial tone is sent to a single line station, or a ringing call is answered.

**HOOK ON:** Sets the minimum amount of time that the system will recognise as an SLT hang up. (Must be greater than HOK FLASH MAX.)

**INQUIRY RELEASE:** Monitors the duration of the action of the soft key to determine when to return the LCD back to a normal status. This timer affects only display phones.

**INTER DIGIT:** Controls the grace period between dialling valid digits before dropping the call and returning the user to error tone.

**ISDN INT DGT:** Controls the grace period between dialling valid digits and the end of the dialling string on an ISDN call.

**KMMC LOCK OUT:** Controls the grace period between programming actions while in a programming session (KMMC not PCMMC). The timer automatically returns the system to secure programming status.

**LCR ADVANCE:** Controls the period of time before selecting the next allowable route when a station is allowed to route advance.

**LCR INTER DIGIT:** Controls the grace period between dialling valid digits before dropping the call and returning the user to error tone.

**LONG KEY DETECT:** Controls the period for which pressing and holding a key will dial the corresponding single-digit personal speed dial number.

**LONG KEY REPEAT:** Controls the period for which pressing and holding a key will dial the corresponding multiple (same) digit personal speed dial number (e.g. 22).

**MCL DELAY:** Controls the time when the system should start transmitting Authorisation Code after sending MCL access code (Cable & Wireless 131 access).

**MS LED ON:** Controls the time for which a Manual Signalling key LED will flash when the key is pressed.

**OFF HOOK RING:** Controls the duration of time between ring bursts to a user who has a camped-on call.

**OFF HOOK SELECT:** Controls the grace period between lifting the handset and placing an internal/external call as programmed in [MMC 306](#). (iDCS and OS500 systems use the OFFHK SEL feature in [MMC 502](#).)

**OHVA ANSWER:** Controls the duration of an OHVA call before automatic rejection. When a user receives OHVA with voice interrupt, this situation will last until this timer expires. If LCD phones receive OHVA, REJECT will appear at right-hand side of bottom line while this timer is activated.

**OVERLAP INT DGT:** Controls the grace period between receiving address information in overlap receiving mode via BRI/PRI line. After expiration of this timer the system operator will be alerted.

**PAGE TIME OUT:** Controls the duration of a page announcement.

**PAGE TONE:** Controls the duration of tone burst heard over the page prior to the page announcement.

**PARK RECALL:** Controls the period of time a call is parked before recalling to the call park originator.

**PC-MMC LOCK:** Monitors PCMMC activity, drops the link if no action is created by PCMMC and returns the system to secure program status.

**PERI UCD REPORT:** Controls the interval between periodic UCD reports being output to the applicable port.

**POWER DOWN:** Sets the duration of disconnect signal for VM/AA ports.

**RECALL DISCONNECT:** The time an attendant recall rings before being disconnected. See [ATT Recall](#) timer.

**RECALL WAIT:** This is the time any recall (hold or transfer) continues to recall at your station before it recalls to the operator.

**SMDR START/DP (DIAL PULSE (ROTARY)):** This grace period timer starts SMDR recording for rotary dialling. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.

**SMDR START/DTMF:** This grace period timer starts SMDR recording for touchtone dialling. This timer also controls the LCD duration timer on the keysets. The duration time displayed and the SMDR time duration will be the same.

**ROUTE OPTIMISE:** When a call is made via Q-SIG signalling, route optimisation is activated after this time.

**SYS HOLD RECALL:** Determines the time calls can be left on hold before recalling the holding station. Setting timer to 000 means no recalling will take place.

**TRANSFER RECALL:** Determines the time that transferred calls ring before recalling. See [Recall Wait](#) timer.

**TSW CONN. DELAY:** On external call forward or tandem working, the time before the forward destination is connected to the external call. If this timer is very short, the caller hears ringback tone, dial tone and ringback tone again.

**UCDS AUDIO ALARM:** Determines how long the longest waiting call can be held before the system gives an audio alarm to the UCD supervisor.

**UCDS VISUAL ALARM:** Determines how long the longest waiting call can be held before the system gives a visual alarm to the UCD supervisor.

**VMS UCD MSG:** Not used in UK/EU.

**VOICE DIAL DELAY:** Monitors the duration of the interaction between the main software and the Voice Dialler card. If there is no response from the card within this time, the system decides that voice dialling has failed (iDCS500 and OS500 systems only).

**VOIP RE-ROUTE:** Time allowed for the system to wait for a response to a setup message over the VoIP network before it goes to the next route.

# MMC: 502 STATION-WIDE TIMERS

**FOR:** ALL SYSTEMS

**Purpose:** Allows certain station timer values to be changed on a per-station basis or for all stations. **You are advised not to change these values without assistance from Technical Support.**

- |              |  |
|--------------|--|
| 0 NO ANS FWD | Controls how long the station will ring before a Forward on No Answer takes place. (Range: 001- 255 sec.)  |
| 1 DTMF DUR.  | Governs the duration of DTMF digit which is transmitted to an external VM system port. It is useful for customising a voice mail system. (Range: 100 - 9900 msec.)                     |
| 2 F-DGT DELY | Allows a suitable delay for generating DTMF digits, for commencing in-band integration. (Range: 100 - 9900 msec)   |
| 3 OFFHK SEL  | Controls the grace period between lifting the handset and placing an internal/external call as programmed in <a href="#">MMC 306</a> . (Range: 0-250 sec) (iDCS & OS500 systems only)* |
| 4 EFWD DELAY | Controls how long a station set to External Call Forward will ring before the call is forwarded. (Range: 1-250 sec) (iDCS & OS500 systems only)*                                       |

\* Other systems can be programmed for these options in [MMC 501](#).

Note: It is reasonable for the system administrator to use trial and error to find a suitable value for options 1 and 2 above according to the characteristics of the selected Voice Mail system.

## ACTION

1. Open programming and select **502**  
Display shows
  
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press RIGHT soft key  
OR  
Select all stations ([see section 1.5.2](#))
  
3. Dial timer number from above list (e.g. 1)  
OR  
Press VOLUME keys to select and press RIGHT soft key to move cursor

## DISPLAY

[201] NO ANS FWD  
015 SEC → \_

[205] NO ANS FWD  
015 SEC → \_

OR

[ALL] NO ANS FWD  
015 SEC → \_

[205] DTMF DUR.  
0100 MS → \_

4. Enter new timer value (must be same number of digits as current value, e.g. 0200)

[205] DTMF DUR. 0100 MS →020 <u>0</u>
--

System returns to step 2

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

<b>Default Data:</b>	<b>NO ANS FWD</b>	<b>015 sec</b>
	<b>DTMF DURATION</b>	<b>100 msec</b>
	<b>FIRST DGT DELAY</b>	<b>600 msec</b>
	<b>OFFHK SEL</b>	<b>015 sec</b>
	<b>EFWD DELAY</b>	<b>010 sec</b>

<b>Related Items:</b>	<b>MMC 102 Call Forward</b>
	<b>MMC 207 Assign VM/AA Port</b>
	<b>MMC 306 Hot Line</b>
	<b>MMC 726 VM/AA Options</b>



# MMC: 503

# TRUNK-WIDE TIMERS

**FOR:** ALL SYSTEMS

**Purpose:** Allows certain trunk timer values to be changed on a per-trunk basis or for all trunks. **You are advised not to change these values (with the exception of trunk Flash Time) without assistance from Technical Support.**

TIMER	RANGE	DEFAULT
ANS.BAK TM	0100–2500 MSEC	0600 MSEC
CLEARING	0100–2500 MSEC	2000 MSEC
CO SUPV TM	0100–2500 MSEC	0400 MSEC
DTMF DURATION	0100–2500 MSEC	0100 MSEC
FIRST DGT DELAY	0100–2500 MSEC	0600 MSEC
FLASH TIME	0100–2500 MSEC	0090 MSEC
NO RING TM	01–25 SEC	04 SEC
PAUSE TIME	01–25 SEC	03 SEC
PRS DET TM	0000–2500 MSEC	0000 MSEC
RNG DET.TM	0010–2500 MSEC	0050 MSEC
WINK TIME	0100–0300 MSEC	200 MSEC
MF/DP INT TM	0100–9900 MSEC	0800 MSEC
MFR DLY TM	00–25 SEC	00 SEC

## ACTION

1. Open programming and select **503**  
Display shows
2. Dial trunk number (e.g., 704)  
OR  
Press VOLUME keys to select trunk and  
press RIGHT soft key to move cursor  
OR  
Select all trunks ([see section 1.5.2](#))
3. Dial timer number from above list  
OR  
Press VOLUME keys to select timer and press  
RIGHT soft key to move cursor
4. Enter new timer value (must be same number of  
digits as current value, e.g., 0700)  
System returns to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] ANS.BAK TM  
0600 MS →

[704] ANS.BAK TM  
0600 MS →

OR

[ALL] ANS.BAK TM  
0600 MS →

[704] DTMF DUR.  
0600 MS →

[704] DTMF DUR.  
0600 MS →0700

**Default Data:** See table above

**Related Items:** None

# MMC: 504 PULSE MAKE/BREAK RATIO

FOR:	DCS	CII	816	408	iDCS100	iDCS500	OS500
------	-----	-----	-----	-----	---------	---------	-------

**Purpose:** Allows the value of pulses per second and the duration of the make/break time to be changed. This only affects rotary dial trunks.

## FEATURE KEYS

Dial 0	Make/Break ratio (01–99)
Dial 1	Pulse Per Second (10 or 20)

## ACTION

1. Open programming and select **504**  
Display shows
2. Dial 0 or 1 for option (e.g. 1)  
OR  
Press VOLUME keys for selection and press  
RIGHT soft key to move cursor
3. Dial in new value (e.g. 20)  
  
System returns to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

MAKE/BREAK RATIO 33 MAKE→
------------------------------

PULSE PER SECOND 10 PPS →_
-------------------------------

PULSE PER SECOND 10 PPS →20
--------------------------------

**Default Data:**      **Make/Break = 33**  
                             **Pulses Per Second = 10**

**Related Items:**      **MMC 402 Trunk Dial Type**

# MMC: 505

# ASSIGN DATE AND TIME

**FOR:** ALL SYSTEMS

**Purpose:** Allows the system clock date and time to be set.

## FEATURE KEYS

W	Day	0–6 (0:SUN, 1:MON, 2:TUE, 3:WED, 4:THU, 5:FRI, 6:SAT)
MM	Month	01–12
DD	Date	01–31
YY	Year	00–99 (e.g. 02 for 2002)
HH	Hour	00–23
MM	Minute	00–59

## ACTION

1. Open programming and select **505**  
Display shows system date and time
2. Enter new date and time using above table
3. Verify time and date  
  
Re-enter data if necessary
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

OLD:1110299:1147  
NEW:WMMDDYY:HHMM

OLD:1110299:1147  
NEW:3110501:1445

OLD:3110501:1445  
NEW:WMMDDYY:HHMM

**Default Data:** Follows software version release date

**Related Items:** None

# MMC: 506

# tone cadence

**FOR:** ALL SYSTEMS

**Purpose:** Sets and changes tone cadences on a system-wide basis. There are 14 tones available, as listed below. Tones can be set to 'interrupt' or 'continuous', and interrupt tone cadences can be customised. Some systems may require default settings to comply with local operating companies.

## FEATURE KEYS

DIAL 0 INTERRUPT TONE  
DIAL 1 CONTINUOUS TONE

## TONES

BUSY	Busy tone
CONFM/BARGE	Confirm tone and Barge-in tone
DIAL	Dial tone
DND/NO MORE	DND tone and No More Call key tone
ERROR	Error tone
HOLD/CAMPON	Hold tone and Camp-on tone
MSGWAT	Message waiting tone
RGBACK	Ringback tone
RING	Ring over page tone (to external page port)
TRSFER	Transfer dial tone
DID RINGBACK	AC15 ringback tone (not available on 408 systems)
CO BUSY	CO Busy tone
CO RINGBACK	CO Ringback tone
CO DIAL	CO Dial tone

## ACTION

1. Open programming and select **506**  
Display shows
2. Press VOLUME keys to select tone (e.g. TRSFER) and press RIGHT soft key
3. Dial 0 for INTERRUPT tone or 1 for CONTINUOUS tone  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. If you selected INTERRUPT tone, dial in new value(s) for interrupt times (must be four digits each – sequence is on/off/on/off)  
Press RIGHT soft key to advance cursor  
Press LEFT soft key to retreat cursor

If entry is valid, system returns to step 2

## DISPLAY

BUSY TONE  
INTERRUPT TONE

TRSFER TONE  
INTERRUPT TONE

TRSFER TONE: 0100  
0100 0100 0100

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**

<b>TONE</b>	<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>OFF</b>
<b>BUSY</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>
<b>CONFIRM/BARGE-IN</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>DIAL</b>	<b>CONTINUOUS</b>			
<b>DND/NO MORE</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>
<b>ERROR</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>HOLD/CAMP-ON</b>	<b>500</b>	<b>3500</b>	<b>500</b>	<b>3500</b>
<b>MESSAGE WAIT</b>	<b>CONTINUOUS</b>			
<b>RING BACK</b>	<b>400</b>	<b>200</b>	<b>400</b>	<b>2000</b>
<b>RING</b>	<b>1000</b>	<b>3000</b>	<b>1000</b>	<b>3000</b>
<b>TRANSFER</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>DID RINGBACK</b>	<b>1000</b>	<b>3000</b>	<b>1000</b>	<b>3000</b>
<b>CO BUSY</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>
<b>CO RINGBACK</b>	<b>400</b>	<b>200</b>	<b>400</b>	<b>2000</b>
<b>CO DIAL</b>	<b>1000</b>	<b>250</b>	<b>1000</b>	<b>250</b>

Note: All times are in milliseconds.

**Related Items:**      **MMC 514 Tone Source (iDCS500 'L' & OS500 only)**

**MMC: 507****ASSIGN RING PLAN TIME****FOR:** **iDCS100** **iDCS500** **OS500** For [MMC 507 Assign Auto Night Time](#), see below

**Purpose:** Programs Ring Plan time settings. Ring Plans provide six separate ringing destinations (1–6) based on day of the week and time of day. The start time within a plan is the time the system will switch from the previous ringing destination to the one in this plan. The end time within a plan is the time the system will switch from this plan to the previous plan. If a ring plan has no time entry, the system defaults to ring plan 1. The ring plans correlate with all MMCs that program ring or termination destinations and station and trunk COS

It is helpful to also have a dedicated Ring Plan (RP) and Ring Time Override (RTO) key programmed on a keyset so the ring plan can be manually changed if needed. The RP key provides a temporary override until the next programmed ring plan start time. The RTO key provides a permanent override until the key is pressed again to disable the override. (Refer to either [MMC 722, Station Key Programming](#), or [MMC 723, System Key Programming](#).) A passcode is required to use these keys (see [MMC 202](#)).

When programming ring plans for any given day, it is important to remember that:

- they must be programmed in sequence (1, 2, 3, 4, 5, 6);
- a ring plan cannot be skipped (e.g. you cannot program 1, 2, 4, etc);
- a higher numbered plan cannot have a start time earlier than a lower numbered plan;
- ring plan 1 is the default plan.

**Example**

You might enter the following ring plans for Monday (in 24-hour clock format, e.g. 2200 is 10.00pm).

RING PLAN	START TIME	END TIME
(MON: 1)	ST: 0000	END: 23:59
(MON: 2)	ST: 0800	END: 2200
(MON: 3)	ST: 1000	END: 2000
(MON: 4)	ST: 1200	END: 1800
(MON: 5)	ST: 1300	END: 1600
(MON: 6)	ST: 1400	END: 1500

The system will stay in the last active ring plan from the previous day until the end time which is 23:59. Monday starts ring plan 1 at 00:00 (midnight). The system will stay in ring plan 1 until 08:00 and will stay in Ring Plan 2 until Ring Plan 3 starts (10.00). As each ring plan starts it will override the previous ring plan. If a ring plan ends and there are no subsequent ring plans, the system will default to the ring plan with an end time that extends past the expired ring plan time.

## FEATURE KEYS

0	SUN	4	THU
1	MON	5	FRI
2	TUE	6	SAT
3	WED		

## ACTION

1. Open programming and select **507**  
Display shows
2. Dial day key 0–6 (e.g. 2 for Tuesday)  
OR  
Press VOLUME keys to select tone day and press  
RIGHT soft key
3. Dial ring plan number 1–6 (e.g. 2)  
OR  
Press VOLUME keys to select and press RIGHT  
soft key
4. Enter Start time (e.g. 0800)  
Cursor moves to END:
5. Enter End time (e.g. 2200)  
System returns to step 2
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

RING PLAN (SUN:1)
ST:           END:

RING PLAN (TUE:1)
ST:           END:

RING PLAN (TUE:2)
ST: _        END:

RING PLAN (TUE:2)
ST: 0800   END: _

RING PLAN (TUE:2)
ST: 0800   END:2200

**Default Data:**           **None**

**Related Items:**       **MMC 202 Change Feature Passcodes**  
                          **MMC 512 Assign Holiday**  
                          **MMC 722 Station Key Programming**  
                          **MMC 723 System Key Programming**

# MMC: 507 ASSIGN AUTO NIGHT TIME

FOR: DCS CI CII 816 408 408i For [MMC 507, Assign Ring Plan Time](#), see above

**Purpose:** Enters the system into night mode automatically by utilising time and day tables. A NIGHT key is not needed as the system will switch automatically. However, it is useful to have a dedicated key so the status can be manually changed if necessary. The start time is the time the system switches from day to night service; the end time is when it switches back from night to day service (e.g., start 1730 WED, end 0800 THUR).

All times are entered in 24-hour clock format (e.g. 1730 is 5.30pm).

## FEATURE KEYS

0	SUN	4	THU
1	MON	5	FRI
2	TUE	6	SAT
3	WED		

## ACTION

1. Open programming and select **507**  
Display shows
2. Dial day number (0–6 e.g., 3)  
OR  
Press VOLUME keys to select day and press RIGHT soft key to advance cursor
3. Dial start time for night (e.g. 1730)  
If time entered is valid, cursor moves to end time  
  
Enter end time (e.g. 0800)  
If time entered is valid, system returns to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

NIGHT TIME ( <u>S</u> UN)
ST:      END:

NIGHT TIME ( <u>W</u> ED)
ST:      END:

NIGHT TIME (WED)
ST:1730 END:080 <u>0</u>

**Default Data:**      **None**

**Related Items:**      **MMC 722 Station Key Programming**  
                         **MMC 723 System Key Programming**



# MMC: 508

# CALL COST

**FOR:** ALL SYSTEMS

**Purpose:** Sets the Call Cost attributes generated by the system during a call. This information can be displayed on the keyphone LCD during a call or as an SMDR record.

Attributes are as follows:

## 0 UNIT COST PER MP

When the system is configured to receive MP on a C.O. outgoing call, this is used for generating total call cost by multiplying it by the number of pulses. Allows a maximum value of 5000. The value is displayed as ECENT (Euro cents) or PENCE depending on whether the 'USE EURO' option in [MMC 210](#) is set on or off.

## 1 CALL COST RATE (%)

This generates additional call cost calculated by multiplying this rate by the original call cost. Ranges from 100 to 250.

## WARNING

- Changing a value when there is a call in progress may result in an inaccurate call cost.
- This MPD facility requires the Meter Pulse Detection version of the trunk card. It is not available on the standard product.

## ACTION

1. Open programming and select **508**  
Display shows
2. Dial 0 or 1 (e.g. 1)  
OR  
Press VOLUME keys for selection and press RIGHT soft key to move cursor
3. Enter new value (e.g. 110 for 110 percent)  
  
System returns to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

UNIT COST PER MP  
0200 PENCE→

CALL COST RATE  
100% →\_

CALL COST RATE  
110% →

**Default Data:** UNIT COST PER MP=0200 pence / Ecent  
CALL COST RATE=100%

**Related Items:** MMC 110 Station On/Off  
MMC 210 Customer On/Off  
MMC 414 MPD/PRS Signal

# MMC: 509

# C.O. TONE CADENCE

**FOR:** CI only

**Purpose:** Allows customising of the tone cadence provided from the analogue trunk on a system-wide basis. There are three types of tone available (see below). The control of the tone cadence may be changed from interrupt tone to continuous tone. Some systems may require default settings to comply with local operating companies. These tones are mainly used for performing Automatic Redial depending on call progress tones on request from internal users on a trunk call.

Once busy tone is detected from the Central Office, the call is automatically released and is queued for redial after expiration of the Auto Redial Interval timer (see [MMC 501](#)).

## FEATURE KEYS

- DIAL 0 INTERRUPT TONE
- DIAL 1 CONTINUOUS TONE

## TONES

- BUSY TONE
- RINGBACK TONE
- DIAL TONE

## ACTION

1. Open programming and select **509**  
Display shows
2. Press VOLUME keys to select tone  
Press LEFT soft key and advance to step 3
3. Dial 0 for INTERRUPT tone or 1 for CONTINUOUS tone  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. If you selected INTERRUPT tone, dial in new value(s) for interrupt times (must be four digits each: sequence on/off/on/off)  
  
Press RIGHT soft key to advance cursor  
Press LEFT soft key to retreat cursor  
System returns to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

CO BUSY TONE  
INTERRUPT TONE

CO RGBACK TONE  
CONTINUOUS TONE

CO RGBACK TONE  
INTERRUPT TONE

CO RGBACK T : 0400  
0200 0400 0200

**Default Data:**

<b>TONE</b>	<b>ON</b>	<b>OFF</b>	<b>ON</b>	<b>OFF</b>
<b>BUSY</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>
<b>DIAL</b>	<b>1000</b>	<b>250</b>	<b>1000</b>	<b>250</b>
<b>RINGBACK</b>	<b>400</b>	<b>200</b>	<b>400</b>	<b>200</b>

Note: All times are in milliseconds

**Related Items: None**

# MMC: 510

# SLI RING CADENCE

**FOR:** ALL SYSTEMS

**Purpose:** Sets the ring cadence for SLI ports. Options are:

- |                 |                               |
|-----------------|-------------------------------|
| 1 Station ring: | Ring for internal calls       |
| 2 Trunk ring:   | Ring for trunk calls          |
| 3 Door ring     | Ring for doorphone calls      |
| 4 Alarm ring    | Ring for alarm reminder calls |
| 5 Callback ring | Ring for callbacks            |

Cadence values are displayed in the sequence: on / off / on / off.

**Contact Technical Support for advice before changing any of these values.**

## ACTION

## DISPLAY

- |   |                                      |
|---|--------------------------------------|
| 1. Open programming and select <b>510</b><br>Display shows  | 1: STN RING : 1000<br>3000 1000 3000 |
| 2. Dial option 1–5 (e.g. 2)<br>OR<br>Press VOLUME keys to select and press RIGHT<br>soft key        | 2: TRK RING : 0400<br>0200 0400 3000 |
| 3. Enter new value(s) for cadence (4 digits per value)<br>as required                               | 2: TRK RING : 0400<br>0200 0400 2000 |
| 4. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next<br>MMC |                                      |

## Default Data:

	On	Off	On	Off
1=	1000	3000	1000	3000
2=	0400	0200	0400	3000
3=	0400	0100	0400	2000
4=	0200	0200	0200	2000
5=	0200	0200	0200	4000

**Related Items:** None

# MMC: 511

# MW LAMP CADENCE

FOR: DCS CII iDCS100 iDCS500 OS500

**Purpose:** Sets the cadence (flash rate) for the message waiting LED on single line telephones, for systems which have a message waiting card (MWSLI) installed.

The cadence is set as interrupted (on/off) values. For iDCS and OS500 systems, it may alternatively be set as Continuous.

The lowest on or off value is 0100 msec. The highest is 03000 msec.

## ■ For all systems except iDCS and OS500

### ACTION

1. Open programming and select **511**  
Display shows
2. Enter value for ON followed by value for OFF  
(enter all four digits)
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

MW LAMP CADENCE  
ON: 1000 OFF:1000

MW LAMP CADENCE  
ON: 2000 OFF:2000

## ■ For iDCS and OS500 systems

### ACTION

1. Open programming and select **511**  
Display shows
2. Press VOLUME keys to select INTERRUPT or CONTINUOUS (e.g. INTERRUPT) and press RIGHT soft key
3. Enter value for ON followed by value for OFF  
(enter all four digits) e.g. 2000 for ON
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

MW LAMP CADENCE  
INTERRUPT LED

MW LAMP CADENCE  
1000 1000

MW LAMP CADENCE  
2000 1000

**Default Data:** ON 1000 (msec)  
OFF 1000 (msec)

**Related Items:** None

# MMC: 512

# ASSIGN HOLIDAY

FOR: DCS CII 816 408 408i iDCS100 iDCS500 OS500

**Purpose:** Assigns holiday dates to a station for the current year. Station will remain in Night Service for those periods assigned, or will remain in the ring plan designated. Up to 60 dates may be entered.

Date format: MMDD (Month/Day, e.g. 25<sup>th</sup> December would be "1225").

## ■ For all systems except iDCS and OS500

### ACTION

1. Open programming and select **512**  
Display shows
2. Press VOLUME keys to select option 01–60  
and press RIGHT soft key
3. Enter date in format MMDD
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

ASSIGN HOLIDAY  
01:

ASSIGN HOLIDAY  
01: \_

ASSIGN HOLIDAY  
01: 1225

**Default Data:** None

**Related Items:** MMC 507 Assign Auto Night Time

## ■ For iDCS and OS500 systems

The procedure is to select a ring plan and enter the required holiday period(s) for which that ring plan applies.

### ACTION

1. Open programming and select **512**  
Display shows
2. Press RIGHT soft key to move cursor  
  
Dial the ring plan number 1–6 that the holiday period(s) is/are to follow (e.g. 2)  
OR  
Press VOLUME keys to select and press RIGHT soft key

### DISPLAY

RING PLAN  
FOLLOW 1

RING PLAN  
FOLLOW 1

3. Press VOLUME keys to select 'ASSIGN HOLIDAY' display and press RIGHT soft key

ASSIGN HOLIDAY 01:
-----------------------

Dial the entry number 01–60 (e.g. 01)

OR

Press VOLUME keys to select and press RIGHT soft key

4. Enter the holiday period (e.g. 1225)

ASSIGN HOLIDAY 01:122 <u>5</u>
-----------------------------------

Cursor returns to allow you to enter another entry number (01–60)

(To select another ring plan, move the cursor back to the top line, select the RING PLAN option and follow the above procedure.)

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**     **Follow ring plan 1**

**Related Items:**   **MMC 507 Assign Ring Plan Time**

# MMC: 513

# HOTEL TIMERS

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** Sets the normal check-out and clean times for guest rooms. Also allows iDCS and OS500 system users to set a check-in end time (see descriptions, below). These are system-wide timers that affect all rooms and are set in 24-hour clock format (e.g. 1430 is 2.30PM).

## CHECK OUT TIME

If a room is occupied after the checkout time, an additional day's room charge will be automatically added to the room bill. If a room is flagged as 'occupied' but 'on hold' then the additional day's room charge will not be added.

A late check-out can be performed by setting a room status to 'Hold'.

## ROOM CLEAN TIME

This is the time each day that the system will flag all occupied rooms as 'Needs Cleaning'.

## CHECK IN END TIME (iDCS and OS500 systems only)

The time entered here tells the system which rooms to automatically add an additional day's charge at the Check Out Time. For example, if you set the Check In End time as 5 a.m., all rooms checked in *before* 5 a.m. will be automatically charged an extra day at the Check Out Time (which might be, say, 11 a.m.). Rooms checked in *after* 5 a.m. will not be charged extra until the next day, if still occupied at the Check Out Time.

## ACTION

## DISPLAY

1. Open programming and select **513**  
Display shows
2. Select the timer using the VOLUME keys (e.g. ROOM CLEAN TIME) and press RIGHT soft key
3. Enter timer value (e.g. 11am)
4. Verify time (and re-enter if necessary)  
Press RIGHT soft key to return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

CHECK OUT TIME  
HH:MM : \_:

ROOM CLEAN TIME  
HH:MM : \_:

ROOM CLEAN TIME  
HH:MM : 11:00

ASSIGN HOLIDAY  
01:1225

**Default Data:**     **None**

**Related Items:**   **None**



# MMC: 514

# TONE SOURCE

FOR: iDCS500 'L' OS500

**Purpose:** Selects a different tone source to the normal system tones for certain call types. (Refer to [MMC 506](#).) The source can be selected as TONE (system tone) or one of the internal or external music sources.

The tones which can be changed are:

- |   |               |
|---|---------------|
| 0 | BUSY TONE     |
| 1 | DIAL TONE     |
| 2 | DND/NO MORE   |
| 3 | TRANSFER TONE |
| 4 | MSG WAIT TONE |
| 5 | ERROR TONE    |
| 6 | RINGBACK TONE |

## ACTION

1. Open programming and select **514**  
Display shows
2. Select the tone using the VOLUME keys (e.g. MSG WAIT)  
OR  
Dial 0–6 for the tone and press RIGHT soft key
3. Dial the tone source (e.g. 371)  
OR  
Press VOLUME keys to select
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

BUSY TONE  
TONE

MSG WAIT TONE  
TONE

MSG WAIT TONE  
371

**Default Data:** TONE

**Related Items:** None

# MMC: 515 DAYLIGHT ASSIGNMENT

FOR: **iDCS100** **iDCS500** **OS500**

**Purpose:** Defines up to 10 summertime periods. The system time will automatically increase by an hour at 2 a.m. on the assigned Start date and will automatically decrease by an hour at 3 a.m. on the assigned End date.

The Initial display shows the following:

NO:YY:START:END
<u>0</u> 1: : :

Dates are entered as follows:

NO = entry number 01–10  
 YY = year (last 2 digits, e.g. 02 for 2002)  
 START = start date (MMDD, e.g. 0801 is 1<sup>st</sup> August)  
 END = end date (MMDD, e.g. 0910 is 10<sup>th</sup> September)

## ACTION

## DISPLAY

1. Open programming and select **515**  
Display shows
2. Dial 01–10 to select entry number (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Enter dates (see above) e.g. 02, 0801, 0910
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

NO:YY:START:END
<u>0</u> 1: : :

NO:YY:START:END
01:_ : :

NO:YY:START:END
<u>0</u> 1:02:0801:0910

**Default Data:** **None**

**Related Items:** **MMC 507 Assign Ring Plan Time**

# MMC: 600      ASSIGN OPERATOR GROUP

**FOR:** ALL SYSTEMS

**Purpose:** Assigns the operator group for day and night mode, or for each ring plan.

## ■ For all systems except iDCS & OS500

### ACTION

1. Open programming and select **600**  
Display shows
2. Dial day operator group (e.g. 501)  
OR  
Press VOLUME keys to select and press  
RIGHT soft key
3. Dial night operator group (e.g. 501)  
OR  
Press VOLUME keys to select and press  
RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

OPERATOR GROUP	
D: <u>5</u> 00	N: 500

OPERATOR GROUP	
D: 501	N: <u>5</u> 00

OPERATOR GROUP	
D: 501	N: <u>5</u> 01

**Default Data:**      **Day=500 (50 for 408/408i)**  
                         **Night=500 (50 for 408/408i)**

**Related Items:**      **See *Related Items* below**

## ■ For iDCS & OS500 systems

### ACTION

1. Open programming and select **600**  
Display shows
2. Dial operator group for ring plan 1 (e.g. 501)  
OR  
Press VOLUME keys to select and press  
RIGHT soft key
3. Dial operator group for ring plan 2 (e.g. 501)  
OR  
Press VOLUME keys to select and press  
RIGHT soft key  
  
Continue selecting group for plans 3–6, as required
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

OPERATOR GROUP	
1: 500	2: 500

OPERATOR GROUP	
1: 501	2: <u>500</u>

OPERATOR GROUP	
1: 501	2: 501

**Default Data:**            **All ring plans=500**

**Related Items:**        **MMC 211 Door Ring Assignment**  
                              **MMC 406 Trunk Ring Assignment**  
                              **MMC 507 Assign Ring Plan Time (iDCS & OS500 systems)**  
                              **MMC 507 Assign Auto Night Time (Other systems)**  
                              **MMC 601 Assign Station Group**  
                              **MMC 602 Station Group Name**

**MMC: 601****ASSIGN STATION GROUP****FOR:** ALL SYSTEMS

**Purpose:** Assigns stations to groups. This provides more flexibility, for example, if using Uniform Call Distribution (UCD), AA GROUP and VM/AA applications. A station, common bell, and ring page can be in more than one group, but must all be the same ring type. The maximum members per group for each system is as shown in the table.

	DCS	CI	CII	816	408/408i	iDCS100	iDCS500	OS500
Max members per group	48	30	30	16	8	32	48	48

Note: A device for announcement, if used, must provide a hookflash and return the call to the group.

The options to program depend on your system, but will be some or all of the following: GROUP TYPE, RING MODE, OVERFLOW, GROUP TRANSFER, NEXT PORT, MEMBER, NEXT HUNT, GROUP BUSY and GROUP AUTO ANSWER.

**GROUP TYPE**

NORMAL GROUP	Station ring group
VMAA GROUP	Group VMAA ports designated in <a href="#">MMC 207</a> —can only have distribute or sequential ringing (see <a href="#">Ring Modes</a> , below)
UCD GROUP	UCD group—has wrap-up capability. See <a href="#">UCD Groups</a> , below.
AA GROUP	AA group—can only have distribute or sequential ringing (see below)
CADENCE or BI-VMS	Voice Mail group (VM card must be installed in system). Can only have distribute or sequential ringing (see <a href="#">Ring Modes</a> , below)
MSG	Used to group a number of extensions to serve as a message desk or message group. When one of the stations in the group leaves a message for another station, the messaged station will reply to the message group so any member can answer the call (iDCS500 and OS500 systems only)
S0	Allows S0 ports to be members of a station group. Valid members are MSN numbers assigned to the S0 bus.

Other possible entries are:

3801–3820	COM. BELL	This device is a common bell relay on a Trunk A card.
3601–3640	RING PAGE	This device is ring over an external page zone output of a Trunk A card.

## UCD GROUPS

Maximum number of UCD groups that can be programmed is:

<b>DCS</b>	10, created from last 10 station groups (520–529)
<b>CI</b>	10, created from any station group (501–529)
<b>CII</b>	5, created from the last 10 station groups (510–519)
<b>816</b>	3, created from the last 3 station groups (507–509)
<b>iDCS100</b>	10, created from any group
<b>iDCS500(M)</b>	10, created from any group
<b>iDCS500(L)</b>	20, created from any group
<b>OS500 (S/M)</b>	20, created from any group
<b>OS500 (L)</b>	20, created from any group

Options for UCD groups are set in [MMC 607](#).

## RING MODES

0	SEQUENTIAL	The first idle station listed in the group will ring. If the first is busy, the next idle station will ring.
1	DISTRIBUTE	The first call will ring the first station listed in the group. The next call will ring the next station listed in the group.
2	UNCONDITIONAL	All the stations listed in the group will ring. (Busy stations will receive off-hook ring, if set in <a href="#">MMC 300</a> .) <i>The maximum number of stations allowed to ring unconditionally for a group is: DCS=32, Compact II=10, 816=16, 408/408i=8, iDCS=32, OS500=32</i>

Note: When a group is called, or a caller is transferred to a group, ringback is sent to the caller. Calls to a group do not follow the call forwarding instructions of any stations in the group.

## FEATURE KEY

0	TYPE	Group type
1	RING	Ring mode
2	OVERFLOW	Timer for overflow to 'Next Port'
3	GROUP TRANSFER	Timer for recall of calls transferred to group
4	NEXT PORT	Overflow port (station, group, common bell, ring over page)
5	MEMBER	Members of group (e.g. station numbers)
6	NEXT HUNT	Timer for ringing a station before hunting for next member <sup>1</sup>
7	GROUP BUSY	If set ON, generates busy tone when all station group members of Sequential or Distribute ring groups are busy <sup>2</sup> (refer to option SGR INC BUSY in <a href="#">MMC 210</a> )
8	GROUP AUTO ANSWER	If set ON, stations will Auto Answer calls to the group

Note:

<sup>1</sup> iDCS500 'L' and OS500 systems only

<sup>2</sup> iDCS and OS500 systems only

## ACTION

## DISPLAY

1. Open programming and select **601**  
Display shows
2. Dial group number (e.g., 505)  
OR  
Press VOLUME keys to select group and press  
LEFT soft key to move cursor to type of group
3. Dial group type 0–4 (e.g., 1)  
OR  
Press VOLUME keys to make selection and press  
LEFT soft key to move cursor to 'TYPE'
4. Dial feature option number (0–5, e.g., 1)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
5. Dial ring option (0–2, e.g., 1)  
OR  
Press VOLUME keys to make selection and press  
LEFT soft key to move cursor back to RING or  
press RIGHT soft key to return to step 2
6. Dial next feature option and continue  
OR  
Press VOLUME keys to select option  
OR  
Press LEFT soft key to return to step 2
7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[500] STN GROUP  
TYPE: NORMAL GRP

[505] STN GROUP  
TYPE: NORMAL GRP

[505] STN GROUP  
TYPE: VMAA

[505] STN GROUP  
RING: SEQUENTIAL

[505] STN GROUP  
RING: DISTRIBUTE

[505] STN GROUP  
RING: DISTRIBUTE

### Default Data:

<b>Group Type: Normal</b>	<b>Group Member 01: (first station)</b>
<b>Ring Mode: Unconditional</b>	<b>Next Hunt: 000 Sec</b>
<b>Overflow: 000 Sec</b>	<b>Group Busy: Off</b>
<b>Grp Transfer: 000 Sec</b>	<b>Group Auto Answer: Off</b>
<b>Next Port: None</b>	

### Related Items:

MMC 203 Assign UA Device  
MMC 204 Common Bell Control  
MMC 211 Door Ring Assignment  
MMC 212 Alarm Ringing Station  
MMC 406 Trunk Ring Assignment  
MMC 602 Station Group Name  
MMC 607 UCD Options

**MMC: 602****STATION GROUP NAME****FOR:** ALL SYSTEMS

**Purpose:** Enters a name, up to 11 characters, to identify an individual station group. Names are written using the keypad. Pressing a key selects a character and moves the cursor to the next position. For example, if the name is "SAMSUNG," press the number "7" four times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the keypad to complete the name. Press the programmable **"A" key** to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

**Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

**ACTION****DISPLAY**

1. Open programming and select **602**  
Display shows
2. Dial group number (e.g., 505)  
OR  
Press VOLUME keys to make selection and press LEFT or RIGHT soft key to move cursor
3. Enter the name using method described above
4. Press LEFT or RIGHT soft key to return to step 2  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[500] SGR NAME

[505] SGR NAME

\_

[505] SGR NAME

SAMSUNG

**Default Data:** None

**Related Items:**

- MMC 104 Station Name
- MMC 404 Trunk Name
- MMC 600 Assign Operator Group
- MMC 601 Assign Station Group



# MMC: 603

# ASSIGN TRUNK GROUP

**FOR:** ALL SYSTEMS

**Purpose:** Assigns trunks to a specific trunk group or to several trunk groups. This is very useful for programming of LCR when more than one trunk is to be in several dialling plans. There are two different modes of operation: (1) sequential and (2) distribute.

**WARNING:** One trunk can appear in more than one trunk group. If necessary, delete the trunk member from other groups to prevent accidental access.

	No. of Trunk Groups	No. of Group Members
DCS	11	01–80
CI	11	01–10
CII	11	01–40
816	4	01–10
408/408i	2	1–4
iDCS100	11	01–40
iDCS500 'M'	11	01–99
iDCS500 'L'	50	01–99
OS500	30	01–99

## ACTION

1. Open programming and select **603**  
Display shows (e.g. trunk group 9)
2. Enter valid trunk group (see above)(e.g. 81)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to advance cursor
3. Press RIGHT soft key to change mode  
OR  
Press VOLUME keys to change mode to member
4. Press RIGHT soft key to move cursor to number of member and enter valid member number (e.g. 04)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
5. Enter valid trunk number (e.g., 729)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to return to step 2
6. Repeat steps 1–5 to remove trunk from group 9 (or group 0) if necessary

## DISPLAY

[9] TRK GROUP  
MODE:SEQUENTIAL

[81] TRK GROUP  
MODE:SEQUENTIAL

[81] TRK GROUP  
MEMBER 01:NONE

[81] TRK GROUP  
MEMBER 04:NONE

[81] TRK GROUP  
MEMBER 01:729

7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**           **MODE=SEQUENTIAL**

**Related Items:**       **LCR programming**  
                          **Tenant programming**

**MMC: 604****ASSIGN STATION TO  
PAGE ZONE****FOR:** ALL SYSTEMS

**Purpose:** Assigns a keyset to any or all of the internal paging zones. The total number of keysets that can receive a page is limited to:

DCS	CII	816	408/408i	iDCS100	iDCS500 & OS500
80	40	12	4	40	99

**■ For all systems except iDCS and OS500**

If a keyset is flagged as "1" in a zone column, it will receive pages for that zone. If the keyset is flagged as "0," it will not receive pages for that zone. If "\*" is set as "1", a keyset will receive pages for all zones.

408/408i systems are assigned internal page zones 1–2 only. Therefore, only these zones can be flagged as "1". Zones 3 and 4 are flagged as "0".

**ACTION****DISPLAY**

1. Open programming and select **604**  
Display shows
2. Enter number (01–80 or 01–40 or 01–12 or 1–4 depending on your system—see above) e.g., 04  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
3. Enter station number (e.g., 205)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
4. Move cursor under page zone desired (e.g. 2) by pressing VOLUME keys and enter the digit 1 under the zone  
  
Press RIGHT soft key to return to step 2 to continue with entries
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

ENTRY:STN :1234*
01:NONE: 00001

ENTRY:STN :1234*
04:NONE: 00001

ENTRY:STN :1234*
04:205 :00001

ENTRY:STN :1234*
04:205 :01001

**Default Data:** No stations assigned  
All zone ("\*") is set ("1")

**Related Items:** None

## ■ For iDCS and OS500 systems

A keyset can be assigned to more than one zone. If assigned to zone 0, a keyset will receive pages for *all* internal zones.

### ACTION

1. Open programming and select **604**  
Display shows
2. Enter page zone number (0–4) e.g., 2  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
3. Enter index number (e.g., 05)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
4. Enter station number (e.g., 205)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

INT. PAGE ZONE (0) MEMBER 01:NONE
--------------------------------------

INT. PAGE ZONE (2) MEMBER <u>0</u> 1:NONE
--

INT. PAGE ZONE (2) MEMBER 05: <u>N</u> ONE
---

INT. PAGE ZONE (2) MEMBER 05:205
-------------------------------------

**Default Data:**            **No stations assigned**

**Related Items:**        **None**

# MMC: 605

## ASSIGN EXTERNAL PAGE ZONE

**FOR:** ALL SYSTEMS

**Purpose:** Determines which relays will close when one of the external page zones 5 to 8 is accessed. (816 and 408/408i systems have only one external page zone—see below.)

<b>DCS</b>	System must be equipped with a Trunk A card to allow external paging. Each Trunk A card is equipped with two external page relays. The page relays have default DNs of 360X (e.g. 3601)
<b>CII</b>	One external page zone is located on the base board. Three are located on the optional MISC card. The page relays have default DNs of 36x (e.g. 361)
<b>816/408/408i</b>	One external page zone (zone 5) is located on the base board. The page relay has a default DN of 361. The optional port is 362 (see <a href="#">MMC 219</a> ).
<b>iDCS100</b>	One external page zone is located on the base board. Three are located on the optional MISC card. The page relays have default DNs of 36x (e.g. 361)
<b>iDCS500</b>	System must be equipped with a MISC card for external paging
<b>OS500</b>	System must be equipped with a MISC card for external paging

### ACTION

1. Open programming and select **605**  
Display shows first page zone (member number shows as 1 or 01 etc, depending on system)
2. Dial page zone number (e.g., 6)  
OR  
Press VOLUME keys to select desired page zone number and press RIGHT soft key to move cursor
3. Dial member number (e.g., 3 or 03)  
OR  
Press VOLUME keys to select member number and press RIGHT soft key to move cursor  
OR  
Press LEFT soft key to return to step 2
4. Dial relay number (e.g., 362 or 3602) and press RIGHT soft key to return to step 2  
OR  
Press LEFT soft key to return to step 3
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

EXT. PAGE ZONE:(5)  
MEMBER 1 :NONE

EXT. PAGE ZONE:(6)  
MEMBER 1 :NONE

EXT. PAGE ZONE:(6)  
MEMBER 3 :NONE

EXT. PAGE ZONE:(6)  
MEMBER 3:362

**Default Data:** None

**Related Items:** **MMC 219 Common Relay Service Type**

# MMC: 606

# ASSIGN SPEED BLOCK

**FOR:** ALL SYSTEMS

**Purpose:** Adds or deletes speed dial blocks to/from the system or individual keysets. With the ability to delete a block or blocks of speed dial, these need not be wasted on such items as voice mail, SIMs and DPIMs, or on stations that do not require the ability to use speed dialling.

- The 'Free List' shows how many blocks are left to be assigned. One block has 10 entries.
- The number of blocks you can assign to system speed dials will depend on the maximum allowed per system, as follows:

<b>DCS</b>	Maximum 1500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (100 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.
<b>CI</b>	Maximum 500 entries (50 blocks): all of these can be allocated to system speed dials or they can be used as personal numbers with a maximum of 5 blocks per station.
<b>CII</b>	Maximum 600 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (10 blocks) can be allocated as personal numbers with a maximum of 5 blocks per station.
<b>816</b>	Maximum 500 entries: a maximum of 300 (30 blocks) for system speed dials while the rest (20 blocks) can be allocated as personal numbers with a maximum of 5 blocks per station.
<b>408/408i</b>	Maximum 300 entries: a maximum of 200 (20 blocks) for system speed dials while the rest (10 blocks) can be allocated as personal numbers with a maximum of 5 blocks per station.
<b>iDCS100</b>	Maximum 1500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (100 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.
<b>iDCS500 'M'</b>	Maximum 1500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (100 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.
<b>iDCS500 'L'</b>	Maximum 2500 entries: a maximum of 500 (50 blocks) can be assigned as system speed dials, and the rest (200 blocks) can be allocated as personal speed dials with a maximum of 5 blocks per station.
<b>OS500 'S' &amp; 'M'</b>	Maximum 2000 entries: a maximum of 500 (50 blocks) or 950 (95 blocks) can be assigned as system speed dials, and the rest can be allocated as personal speed dials with a maximum of 5 blocks per station. (Maximum system speed dial setting is selected in <a href="#">MMC 861 (System Options.)</a> )
<b>OS500 'L'</b>	Maximum 2500 entries: a maximum of 500 (50 blocks) or 950 (95 blocks) can be assigned as system speed dials, and the rest can be allocated as personal speed dials with a maximum of 5 blocks per station. (Maximum system speed dial setting is selected in <a href="#">MMC 861 (System Options.)</a> )

Selectable options are:

SYSTEM (set system speed dials)

EXT (set individual extension speed dials)

## ACTION

## DISPLAY

1. Open programming and select **606**  
Display shows (for example)

FREE LIST: <u>6</u> 0 SYSTEM:20
------------------------------------

2. Press RIGHT soft key to advance cursor

FREE LIST:60 <u>S</u> YSTEM:20
-----------------------------------

3. Press VOLUME keys to select SYSTEM or EXT (extension)

FREE LIST:60 SYSTEM: <u>2</u> 0
------------------------------------

If you select EXT, go to step 4

If you select SYSTEM, press RIGHT soft key and enter valid number of blocks to assign

OR

Press VOLUME keys to select and press RIGHT soft key

OR

Press HOLD to delete block(s)

System returns to this step to make another selection

(If finished go to step 6)

4. Enter desired EXT (extension) number (e.g., 205)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to advance cursor

FREE LIST:60 EXT <u>2</u> 05:1
-----------------------------------

5. Enter valid number for blocks (0–5)  
OR  
Press VOLUME keys to make selection  
OR  
Press HOLD key to delete block(s)

FREE LIST:60 EXT205: <u>5</u>
----------------------------------

6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**      **System: 200 entries (20 blocks) (100 entries/10 blocks for 408/408i)**  
                             **Stations: One block of 10 entries**

**Related Items:**      **MMC 105 Station Speed Dial**  
                             **MMC 106 Station Speed Name**  
                             **MMC 705 Assign System Speed Dial**  
                             **MMC 706 System Speed Dial By Name**  
                             **MMC 861 System Options**

# MMC: 607

# UCD OPTIONS

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Sets up UCD options for the UCD group assigned in [MMC 601](#). If no UCD group has been programmed in the system, you may be presented with a warning and not allowed to enter this MMC.

Note: Some options may not be available on your system.

## OPTION

FIRST MSG	First message on AA card when no agents are available to answer calls.
SECOND MSG	Second message on AA card when no agents are available to answer calls.
EXIT CODE	Routes the queued call to the Final Destination assigned in this MMC (see below). This must be dialed while 1st or 2nd MSG is active.
RETRY COUNT	Second message will be cycled with MOH until this counter value is reached.
FINAL DESTINATION	If the call is not answered by the time RETRY COUNT time is reached, it will be routed over this destination. If you press the <a href="#">"A" key</a> you can enter an AA Plan number.
RING NEXT	Specifies how long ringing at an agent will last. After this time, ringing stops, the agent is logged-out from the group and ringing starts at the next idle agent. If set as '0000', call will rotate between agents until answered.
UCD RECALL	Determines length of MOH between MSGs.
MOH SOURCE	Specifies MOH source to be presented to the caller.
WRAP-UP	No calls are presented to agents during this period.
AUTO LOGOUT	Turns ON or OFF the automatic logout of agents when the RING NEXT timer option is set. This setting is ignored if RING NEXT=0000.
ALLOUT→FINAL	Determines if calls forward to the Final Destination when all agents are logged out of the UCD group (ON=forward). If no Final Destination is assigned, the call will disconnect. (iDCS and OS500 systems only)
AGENT PIN NO	If enabled, an agent PIN must be entered as part of the sequence to log into a group. The PIN must be registered in <a href="#">MMC 717</a> .
GBUSY NEXT	If set ON, an incoming call is sent immediately to the final destination if all members are busy.

## VALUE RANGE

FIRST MSG:	01-64
SECOND MSG:	01-64
EXIT CODE:	NONE, 0-9, *, #
RETRY COUNT:	00-99
FINAL DESTINATION :	NONE, STATION, STATION GRP, AA PLAN NO ( 01-12 )
RING NEXT:	00-99 sec
UCD RECALL:	00-99 sec
MOH SOURCE:	TONE, NONE, Port No.
WRAP-UP:	000-250 sec
AUTO LOGOUT:	ON/OFF
ALLOUT→FINAL:	ON/OFF
AGENT PIN NO:	ON/OFF
GBUSY NEXT:	ON/OFF



## ACTION

## DISPLAY

1. Open programming and select **607**  
Display shows
2. Dial UCD group number (e.g. 502)  
OR  
Press VOLUME keys to select number  
Press RIGHT soft key
3. Dial option number from above list (e.g. 1)  
OR  
Press VOLUME keys to select option  
Press RIGHT soft key
4. Enter new value using dial keypad (e.g. 01)  
OR  
Press VOLUME keys to select value  
  
Press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[501]UCD OPTION  
FIRST MSG : 61

[502]UCD OPTION  
FIRST MSG : 61

[502]UCD OPTION  
SECOND MSG : 62

[502]UCD OPTION  
SECOND MSG : 01

## Default Data:

**FIRST MSG:** 61  
**SECOND MSG:** 62  
**EXIT CODE:** NONE  
**RETRY COUNT:** 03  
**FINAL DEST:** 500  
**RING NEXT:** 30 sec  
**UCD RECALL:** 10 sec  
**MOH SOURCE:** TONE  
**WRAP-UP:** 10 sec  
**AUTO LOGOUT:** ON  
**ALLOUT→FINAL:** OFF  
**AGENT PIN NO:** OFF  
**GBUSY NEXT:** OFF

**Related Items:** MMC 601 Assign Station Group  
 MMC 717 UCD Agent ID

# MMC: 608 ASSIGN CLIP REVIEW BLOCK

FOR:	DCS	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	-----	-----	------	---------	---------	-------

**Purpose:** Adds or deletes CLIP review blocks to/from an individual keyset. With the ability to delete blocks, they need not be wasted on such items as voice mail and DPIMs, or on keysets that do not have a display. The FREE value displayed shows how many numbers ("bins") are left to be assigned. The system automatically assigns 1 block of 10 bins to each keyset. Each keyset may be assigned a maximum of 5 blocks (a total of 50 numbers or bins).

## ACTION

1. Open programming and select **608**  
Display shows
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor
3. Press VOLUME keys to select bin number (e.g. 50)  
OR  
Press HOLD key to delete review block
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[201] REVIEW BLK 10 : 1060 FREE
------------------------------------

[205] REVIEW BLK 10 : 1060 FREE
------------------------------------

[205] REVIEW BLK 50 : 1010 FREE
------------------------------------

**Default Data:** One block of 10 numbers (bins)

**Related Items:** None

# MMC: 609

# CALL LOG BLOCK

FOR:	iDCS100	iDCS500	OS500	(iDCS systems must have a LAN interface installed)
------	---------	---------	-------	--

**Purpose:** Adds or deletes Call Log blocks to/from an individual keyset. With the ability to delete blocks, they need not be wasted on such items as voice mail and DPIMs, or on keysets that do not have a display. One block contains up to 10 numbers (bins). The free list will show how many bins are left to be assigned.

Total bins per system are:

iDCS100=1000  
iDCS500 'M'=1000  
iDCS500 'L'=1500  
OS500=2000

Each keyset may be assigned a maximum of 5 blocks (a total of 50 numbers or bins).

## ACTION

## DISPLAY

- |  |                                    |
|--|------------------------------------|
| 1. Open programming and select <b>609</b><br>Display shows   | [201] LOG BLOCK<br>10 : 1100 FREE  |
| 2. Dial station number (e.g., 205)<br>OR<br>Press VOLUME keys to select station and press<br>RIGHT soft key to move cursor | [205] LOG BLOCK<br>10 : 1100 FREE  |
| 3. Press VOLUME keys to select bin number (e.g. 50)<br>OR<br>Press HOLD key to delete review block                         | [205] REVIEW BLK<br>50 : 1060 FREE |
| 4. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next<br>MMC                        |                                    |

**Default Data:**            **One block of 10 numbers (bins)**

**Related Items:**        **None**

# MMC: 611 TEXT MESSAGE STATION

FOR: OS500

**Purpose:** Allows you to select the stations used to send urgent (short) text messages. Up to 100 such stations can be set in the system.

Text messages are set in [MMC 117](#).

## ACTION

1. Open programming and select **611**  
Display shows (for example)
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor
3. Press VOLUME keys to select USED or NOT  
USED  
  
(An error message is displayed if the maximum  
number of allowed stations is exceeded)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[201] TMSG STN  
NOT USED : 61 FREE

[205] TMSG STN  
NOT USED : 61 FREE

[205] TMSG STN  
USED

**Default Data:** NOT USED

**Related Items:** MMC 117 Text Message

# MMC: 612

# GROUP CONFERENCE STATION

**FOR:** OS500

**Purpose:** Allows you to select up to 100 stations which can be used for simultaneous conference calls. Selected stations can be programmed with conference groups in MMC 118.

## ACTION

## DISPLAY

1. Open programming and select **612**  
Display shows (for example)
2. Dial station number (e.g., 205)  
OR  
Press VOLUME keys to select station and press  
RIGHT soft key to move cursor
3. Press VOLUME keys to select USED or NOT  
USED  
  
(An error message is displayed if the maximum  
number of allowed stations is exceeded)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[201] CONF STN  
NOT USED : 61 FREE

[205] CONF STN  
NOT USED : 61 FREE

[205] CONF STN  
USED

**Default Data:** NOT USED

**Related Items:** MMC 118 Conference Group

# MMC: 614

## USE GROUP

FOR: OS500

**Purpose:** Allows you to assign stations to station use groups and trunks to trunk use groups. This is useful if you want to restrict calling between stations, outgoing calls through C.O. lines, or call answering.

Station groups are numbered 001–300. Trunk groups are numbers 301–500.

### ACTION

### DISPLAY

1. Open programming and select **614**  
Display shows (for example)
2. Dial 0 to select Station Group or 1 to select Trunk Group  
OR  
Press VOLUME keys to select or and press RIGHT soft key to move cursor
3. Dial station or trunk number (e.g. 702)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Dial use group number (e.g. 302)  
OR  
Press VOLUME keys to select group and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

STATION GROUP  
[202] : 001

TRUNK GROUP  
[701] : 301

TRUNK GROUP  
[702] : 301

TRUNK GROUP  
[702] : 302

**Default Data:**           **Station Group 001**  
                              **Trunk Group 301**

**Related Items:**       **MMC 304 Assign Station/Trunk Use**  
                              **MMC 317 Assign Station/Station Use**  
                              **MMC 428 Assign Trunk/Trunk Use**

**MMC: 615****MGI GROUP****FOR:** OS500

**Purpose:** Allows you to assign a type for the MGI ports, according to their required use.  
Options are as follows:

<b>USER:</b>	LOCAL ITP	MGI port used to make calls with private type of IP phone
	PUB IP ITP	MGI port used to make calls with public type of IP phone
	VOIP NTWK	MGI port used to make a call to VoIP network
	PUB IP NTWK	MGI port used for Public IP Network
	VOIP TRUNK	MGI port used to make a call through C.O. lines such as H.323 or SIP
	PUB IP TRK	MGI port used for Public IP Trunk
	MGI3 NEEDED	MGI port to be used if H.323 is necessary for a VoIP call such as a facsimile
	PUB IP MGI3	MGI3 port used for Public IP
	ITP PAGED	Port used for paging calls to ITP phones
<b>MODE:</b>	SEQUENTIAL	Ring mode
	DISTRIBUTE	
<b>MEMBER:</b>	001–240	Ports included in the USER type.

**ACTION**

1. Open programming and select **615**  
Display shows (for example)
2. Press VOLUME keys to select USER type (e.g. LOCAL ITP) and press RIGHT soft key to move cursor
3. Press VOLUME keys to select MODE or MEMBER and press RIGHT soft key
4. **If you selected MEMBER**, dial member entry number (001–240 e.g. 002) or press VOLUME keys to select number and press RIGHT soft key

Then dial port number, or press VOLUME keys to select number and press RIGHT soft key

**If you selected MODE**, press VOLUME keys to select ring mode SEQUENTIAL or DISTRIBUTE and press RIGHT soft key

**DISPLAY**

USER: PUB IP ITP  
MODE: SEQUENTIAL

USER: LOCAL ITP  
MODE: SEQUENTIAL

USER: LOCAL ITP  
MEMBER 001:

USER: LOCAL ITP  
MEMBER 002:\_

USER: LOCAL ITP  
MEMBER 002:3831

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**           **None**

**Related Items:**       **None**



# MMC: 616

## MGI USER

FOR: OS500

**Purpose:** Links an MGI port to an ITP phone to reserve it for its exclusive use.

### ACTION

### DISPLAY

1. Open programming and select **616**  
Display shows (for example)
2. Press VOLUME keys to select port number and  
press RIGHT soft key to move cursor
3. Press VOLUME keys to select extension number  
and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

[3831] MGI USER  
NONE

[3831] MGI USER  
NONE

[3831] MGI USER  
3201

**Default Data:** NONE

**Related Items:** None

# MMC: 700

# COPY COS CONTENTS

**FOR:** ALL SYSTEMS

**Purpose:** Copies a selected class of service (COS) to another COS. This is useful, for example, if you want to create a similar COS to that being copied but also want to change a few selected options. This MMC allows you to enter MMC 701, *Assign COS Contents*, in order to make any changes you require. If you want to create a completely new COS, use [MMC 701](#).

## ACTION

1. Open programming and select **700**  
Display shows
2. Dial selected COS to copy (e.g., 05)  
OR  
Press VOLUME keys to select COS and press  
RIGHT soft key to move cursor
3. Dial target COS (e.g., 06)  
OR  
Press VOLUME keys to select COS and press  
RIGHT soft key to move cursor back to step 2
4. To make changes to COS options, press "**F**" key  
to advance to [MMC 701](#)  
OR  
Go to step 5 if no changes are required
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

COPY COS ITEMS  
COS 01 → COS 01

COPY COS ITEMS  
COS 05 → COS 01

COPY COS ITEMS  
COS 05 → COS 06

COS CONTENTS(06)  
TOLL LEVEL:A

**Default Data:** None

**Related Items:** MMC 701 Assign COS Contents

# MMC: 701 ASSIGN COS CONTENTS

**FOR:** ALL SYSTEMS

**Purpose:** Creates a new class of service (COS).

Note:

1. If you want to make a copy of an existing COS and change some options, use [MMC 700](#).
2. If the 'unsupervised conference' feature is to be allowed in a COS, a CONF key must be programmed on keysets to allow users to re-enter a conference call.

## TOLL LEVEL OPTIONS

DIAL DIGIT	TOLL LEVEL
0	A
1	B
2	C
3	D
4	E
5	F
6	G
7	H

*(Note: The programming procedure and COS feature lists for iDCS and OS500 systems come after the programming procedure and COS feature lists for all other systems, shown next.)*

## For all systems except iDCS & OS500

### ACTION

### DISPLAY

1. Open programming and select **701**  
Display shows
2. Dial COS number (e.g., 06)  
OR  
Press VOLUME keys to select COS and press  
RIGHT soft key to move cursor
3. Dial toll level (e.g. 2)  
OR  
Press VOLUME keys to select option
4. Press RIGHT soft key to advance to COS options  
  
Use tables and data below to set options
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

COS CONTENTS(01)  
TOLL LEVEL:A

COS CONTENTS(06)  
TOLL LEVEL:A

COS CONTENTS(06)  
TOLL LEVEL:C

COS CONTENTS(06)  
000:AA CALER:YES

**COS Feature Lists for [DCS \(table 1\)](#), [Compact II \(table 2\)](#), [816 \(table 3\)](#) and [408/408i \(table 4\)](#).**

<b>1. DCS : COS FEATURE LIST BY OPTION NUMBER</b>
---

000	AA CALER	Auto answer control by caller
001	ALM CLR	Alarm sensor ring answer
002	AUTO RDL	Retry on busy
003	CALLBACK	Callback
004	CLIP ABN	CLIP abandoned
005	CLIP INQ	CLIP inquiry for review
006	CLIP INV	CLIP investigate
007	CONFER	Conference
008	DALM CLR	DISA alarm ring clear
009	DAY/NIG.	Change day/night mode
010	DIRECT	Directory dial
012	DND	Do Not Disturb
013	DND OVRD	DND Override
015	DOOR	Door ring answer
016	DSS	Direct station select
017	DTS	Direct trunk select
019	EXT FWD	External call forward
020	FEATURE	Feature key
021	FLASH	Trunk flash
022	FOLLOW ME	Follow Me call forward
023	FORWARD	Call forward
025	GRP I/O	Group in/out
026	HOLD	Hold
027	HOT LINE	Hot line
028	INTERCOM	Intercom call
030	MESSAGE	Message
031	MM PAGE	Meet me page
032	NEW CALL	New call
033	OHVAED	Receive off-hook voice announcement
034	OHVAING	Make off-hook voice announcement
035	ONEA2	1A2 emulation
036	OPERATOR	Operator
037	OUT TRANSFER/TRSF	Outgoing transfer
038	OVERRIDE	Executive Override
039	PAGE 0	Page zone 0 PAGING
040	PAGE 1	Page zone 1 PAGING
041	PAGE 2	Page zone 2 PAGING
042	PAGE 3	Page zone 3 PAGING
043	PAGE 4	Page zone 4 PAGING
044	PAGE 5	Page zone 5 PAGING
045	PAGE 6	Page zone 6 PAGING
046	PAGE 7	Page zone 7 PAGING
047	PAGE 8	Page zone 8 PAGING
048	PAGE 9	Page zone 9 PAGING
049	PAGE r	Page zone r PAGING
050	PICKUP	Call pickup
051	SECURE	Override secure
052	SSPD TOL	System speed dial toll check
053	STN LOCK	Station locking
054	STNGRP 01	Station group 01 calling
055	STNGRP 02	Station group 02 calling
056	STNGRP 03	Station group 03 calling
057	STNGRP 04	Station group 04 calling
058	STNGRP 05	Station group 05 calling
059	STNGRP 06	Station group 06 calling
060	STNGRP 07	Station group 07 calling
061	STNGRP 08	Station group 08 calling
062	STNGRP 09	Station group 09 calling
063	STNGRP 10	Station group 10 calling

064	STNGRP 11	Station group 11 calling
065	STNGRP 12	Station group 12 calling
066	STNGRP 13	Station group 13 calling
067	STNGRP 14	Station group 14 calling
068	STNGRP 15	Station group 15 calling
069	STNGRP 16	Station group 16 calling
070	STNGRP 17	Station group 17 calling
071	STNGRP 18	Station group 18 calling
072	STNGRP 19	Station group 19 calling
073	STNGRP 20	Station group 20 calling
074	STNGRP 21	Station group 21 calling
075	STNGRP 22	Station group 22 calling
076	STNGRP 23	Station group 23 calling
077	STNGRP 24	Station group 24 calling
078	STNGRP 25	Station group 25 calling
079	STNGRP 26	Station group 26 calling
080	STNGRP 27	Station group 27 calling
081	STNGRP 28	Station group 28 calling
082	STNGRP 29	Station group 29 calling
083	STNGRP 30	Station group 30 calling
084	—	Not used
085	SYS SPD	System speed dial
087	TRKGRP01	Trunk group 01 calling
088	TRKGRP02	Trunk group 02 calling
089	TRKGRP03	Trunk group 03 calling
090	TRKGRP04	Trunk group 04 calling
091	TRKGRP05	Trunk group 05 calling
092	TRKGRP06	Trunk group 06 calling
093	TRKGRP07	Trunk group 07 calling
094	TRKGRP08	Trunk group 08 calling
095	TRKGRP09	Trunk group 09 calling
096	TRKGRP10	Trunk group 10 calling
097	TRKGRP11	Trunk group 11 calling
098	UNCO CNF	CO to CO conference
099	VM AREC	Voice mail automatic call record
100	VM AME	Voice mail answering machine emulation
101	VM REC	Voice mail manual call record
102	VM STN01	Voice mail station 01
103	VM STN02	Voice mail station 02
104	VM STN03	Voice mail station 03
105	VM STN04	Voice mail station 04
106	VM STN05	Voice mail station 05
107	VM STN06	Voice mail station 06
108	VM STN07	Voice mail station 07
109	VM STN08	Voice mail station 08
110–111	—	Not used
112	ABSENCE	Absence

## 2. COMPACT II : COS FEATURE LIST BY OPTION NUMBER

000	AA CALER	Auto answer control by caller
001	ALM CLR	Alarm sensor ring answer
002	AUTO RDL	Retry on busy
003	CALLBACK	Callback
004	CLIP ABN	CLIP abandoned
005	CLIP INQ	CLIP inquiry for review
006	CLIP INV	CLIP investigate
007	CONFER	Conference
008	DALM CLR	DISA alarm ring clear
009	DAY/NIG.	Change day/night mode
010	DIRECT	Directory dial
012	DND	Do Not Disturb
013	DND OVRD	DND Override
015	DOOR	Door ring answer
016	DSS	Direct station select
017	DTS	Direct trunk select

018	—	Not used
019	EXT FWD	External call forward
020	FEATURE	Feature key
021	FLASH	Trunk flash
022	FOLLOW ME	Follow Me call forward
023	FORWARD	Call forward
024	—	Not used
025	GRP I/O	Group in/out
026	HOLD	Hold
027	HOT LINE	Hot line
028	INTERCOM	Intercom call
030	MESSAGE	Message
031	MM PAGE	Meet me page
032	NEW CALL	New call
033	OHVAED	Receive off-hook voice announcement
034	OHVAING	Make off-hook voice announcement
035	ONEA2	1A2 emulation
036	OPERATOR	Operator
037	OUT TRANSFER/TRSF	Outgoing transfer
038	OVERRIDE	Executive Override
039	PAGE 0	Page zone 0 PAGING
040	PAGE 1	Page zone 1 PAGING
041	PAGE 2	Page zone 2 PAGING
042	PAGE 3	Page zone 3 PAGING
043	PAGE 4	Page zone 4 PAGING
044	PAGE 5	Page zone 5 PAGING
045	PAGE 6	Page zone 6 PAGING
046	PAGE 7	Page zone 7 PAGING
047	PAGE 8	Page zone 8 PAGING
048	PAGE 9	Page zone 9 PAGING
049	PAGE 10	Page zone 10 PAGING
050	PICKUP	Call pickup
051	SECURE	Override secure
052	SSPD TOL	System speed dial toll check
053	STN LOCK	Station locking
054	STNGRP 01	Station group 01 calling
055	STNGRP 02	Station group 02 calling
056	STNGRP 03	Station group 03 calling
057	STNGRP 04	Station group 04 calling
058	STNGRP 05	Station group 05 calling
059	STNGRP 06	Station group 06 calling
060	STNGRP 07	Station group 07 calling
061	STNGRP 08	Station group 08 calling
062	STNGRP 09	Station group 09 calling
063	STNGRP 10	Station group 10 calling
064	STNGRP 11	Station group 11 calling
065	STNGRP 12	Station group 12 calling
066	STNGRP 13	Station group 13 calling
067	STNGRP 14	Station group 14 calling
068	STNGRP 15	Station group 15 calling
069	STNGRP 16	Station group 16 calling
070	STNGRP 17	Station group 17 calling
071	STNGRP 18	Station group 18 calling
072	STNGRP 19	Station group 19 calling
073	STNGRP 20	Station group 20 calling
074-084	—	Not used
085	SYS SPD	System speed dial
086	—	Not used
087	TRKGRP01	Trunk group 01 calling
088	TRKGRP02	Trunk group 02 calling
089	TRKGRP03	Trunk group 03 calling
090	TRKGRP04	Trunk group 04 calling
091	TRKGRP05	Trunk group 05 calling
092	TRKGRP06	Trunk group 06 calling
093	TRKGRP07	Trunk group 07 calling
094	TRKGRP08	Trunk group 08 calling
095	TRKGRP09	Trunk group 09 calling

096	TRKGRP10	Trunk group 10 calling
097	TRKGRP11	Trunk group 11 calling
098	UNCO CNF	CO to CO conference
099	VM AREC	Voice mail automatic call record
100	VM AME	Voice mail answering machine emulation
101	VM REC	Voice mail manual call record
102	VM STN01	Voice mail station 01
103	VM STN02	Voice mail station 02
104	VM STN03	Voice mail station 03
105	VM STN04	Voice mail station 04
106	VM STN05	Voice mail station 05
107	VM STN06	Voice mail station 06
108	VM STN07	Voice mail station 07
109	VM STN08	Voice mail station 08
110–111	–	Not used
112	ABSENCE	Absence

### 3. 816 : COS FEATURE LIST BY OPTION NUMBER

000	AA CALER	Auto answer control by caller
001	ALM CLR	Alarm sensor ring answer
002	AUTO RDL	Retry on busy
003	CALLBACK	Callback
004	CLIP ABN	CLIP abandoned
005	CLIP INQ	CLIP inquiry for review
006	CLIP INV	CLIP investigate
007	CONFER	Conference
008	DALM CLR	DISA alarm ring clear
009	DAY/NIG.	Change day/night mode
010	DIRECT	Directory dial
012	DND	Do Not Disturb
013	DND OVRD	DND Override
015	DOOR	Door ring answer
016	DSS	Direct station select
017	DTS	Direct trunk select
018	–	Not used
019	EXT FWD	External call forward
020	FEATURE	Feature key
021	FLASH	Trunk flash
022	FOLLOW ME	Follow Me call forward
023	FORWARD	Call forward
024	–	Not used
025	GRP I/O	Group in/out
026	HOLD	Hold
027	HOT LINE	Hot line
028	INTERCOM	Intercom call
029	MESSAGE	Message
030	MM PAGE	Meet me page
031	NEW CALL	New call
032	OHVAED	Receive off-hook voice announcement
033	OHVAING	Make off-hook voice announcement
034	ONEA2	1A2 emulation
035	OPERATOR	Operator
036	OUT TRANSFER/TRSF	Outgoing transfer
037	OVERRIDE	Executive Override
038	PAGE 0	Page zone 0 PAGING
039	PAGE 1	Page zone 1 PAGING
040	PAGE 2	Page zone 2 PAGING
041	PAGE 3	Page zone 3 PAGING
042	PAGE 4	Page zone 4 PAGING
043	PAGE 5	Page zone 5 PAGING
044–047	–	Not used
048	PAGE 7	Page zone 7 PAGING
049	PICKUP	Call pickup
050	SECURE	Override secure
051	SSPD TOL	System speed dial toll check

052	STN LOCK	Station locking
053	STNGRP 01	Station group 01 calling
054	STNGRP 02	Station group 02 calling
055	STNGRP 03	Station group 03 calling
056	STNGRP 04	Station group 04 calling
057	STNGRP 05	Station group 05 calling
058	STNGRP 06	Station group 06 calling
059	STNGRP 07	Station group 07 calling
060	STNGRP 08	Station group 08 calling
061	STNGRP 09	Station group 09 calling
062	STNGRP 10	Station group 10 calling
063–083	–	Not used
084	SYS SPD	System speed dial
085	–	Not used
086	TRKGRP01	Trunk group 01 calling
087	TRKGRP02	Trunk group 02 calling
088	TRKGRP03	Trunk group 03 calling
089	TRKGRP04	Trunk group 04 calling
090–096	–	Not used
097	UNCO CNF	CO to CO conference
098–099	–	Not used
100	ABSENCE	Absence

#### 4. 408/408i : COS FEATURE LIST BY OPTION NUMBER

408	408i		
02	02	AUTO RDL	Retry on busy
03	03	CALLBACK	Callback
–	04	CLIP ABN	CLIP abandoned (408i only)
–	05	CLIP INQ	CLIP inquiry for review (408i only)
–	06	CLIP INV	CLIP investigate (408i only)
04	07	CONFER	Conference
05	08	DALM CLR	DISA alarm ring clear
06	09	DAY/NIG.	Change day/night mode
07	10	DIRECT	Directory dial
09	12	DND	Do Not Disturb
10	13	DND OVRD	DND Override
12	15	DOOR	Door ring answer
13	16	DSS	Direct station select
14	17	DTS	Direct trunk select
15	18	EXT FWD	External call forward
16	19	FEATURE	Feature key
17	20	FLASH	Trunk flash
18	21	FOLLOW ME	Follow Me call forward
19	22	FORWARD	Call forward
20	23	GRP I/O	Group in/out
21	24	HOLD	Hold
22	25	HOT LINE	Hot line
23	26	INTERCOM	Intercom call
24	27	MESSAGE	Message
25	28	MM PAGE	Meet me page
26	29	NEW CALL	New call
27	30	OHVAED	Receive off-hook voice announcement
28	31	OHVAING	Make off-hook voice announcement
29	32	ONEA2	1A2 emulation
30	33	OPERATOR	Operator
31	34	OUT TRANSFER/TRSF	Outgoing transfer
32	35	OVERRIDE	Executive Override
33	36	PAGE 0	Page zone 0 PAGING
34	37	PAGE 1	Page zone 1 PAGING
35	38	PAGE 2	Page zone 2 PAGING
–	41	PAGE 5	Page zone 5 PAGING
42	42–45	–	Not used
43	46	PAGE *	Page zone * PAGING
44	47	PICKUP	Call pickup



408	408i		
45	48	SECURE	Override secure
46	49	SSPD TOL	System speed dial toll check
47	50	STN LOCK	Station locking
48	51	STNGRP 01	Station group 01 calling
49	52	STNGRP 02	Station group 02 calling
50	53	STNGRP 03	Station group 03 calling
51	54	STNGRP 04	Station group 04 calling
52–78	55–81	–	Not used
79	82	SYS SPD	System speed dial
80	83	TRKGRP01	Trunk group 01 calling
81	84	TRKGRP02	Trunk group 02 calling
82–90	85–93	–	Not used
91	94	UNCO CNF	CO to CO conference
92	95	ABSENCE	Absence

**Default Data:**           **Toll Level: all COS=A**  
**Features: OVERRIDE=NO, all others=YES**

**Related Items:**       **See *Related Items*, below**

### For iDCS & OS500 systems

Options are **0: TOLL LEVEL, 1: USABLE FEATURE, 2: CALL STN GROUP, 3: CALL TRK GROUP, and 4: CALL BIVMS STN.**

#### ACTION

#### DISPLAY

1. Open programming and select **701**  
Display shows
2. Dial COS number (e.g., 06)  
OR  
Press VOLUME keys to select COS and press  
RIGHT soft key to move cursor
3. Dial 0–4 to select option, e.g. 1 (USABLE FEATURE)  
OR  
Press VOLUME keys to select
4. Dial feature number (e.g. 02) (see tables, below)  
OR  
Press VOLUME keys to select
5. Dial 0 for NO or 1 for YES  
OR  
Press VOLUME keys to select and press RIGHT  
soft key to return to step 3

COS CONTENTS(01)  
TOLL LEVEL:A

COS CONTENTS(06)  
TOLL LEVEL:A

COS CONTENTS(06)  
00: AA CALER :YES

COS CONTENTS(06)  
02: ALM CLR :YES

COS CONTENTS(06)  
02: ALM CLR :NO

Use tables and data below to set other options

6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## 1. USABLE FEATURE option:

### 1. iDCS & OS500: COS FEATURE LIST BY NUMBER

00	AA CALER	Auto answer control by caller
01	ABSENCE	Absence
02	ALM CLR	Alarm sensor ring answer
03	AUTO RDL	Retry on busy
04	CALLBACK	Callback
05	CLIP ABN	CLIP abandoned
06	CLIP INQ	CLIP inquiry for review
07	CLIP INV	CLIP investigate
08	CONFER	Conference
09	DALM CLR	DISA alarm ring clear
10	DIRECT	Directory dial
11	DISA	Allow DISA
12	DND	Do Not Disturb
13	DND FWRD	Forward on DND
14	DND OVRD	DND Override
15	DOOR	Door ring answer
16	DSS	Direct station select
17	DTS	Direct trunk select
18	EXT AREC	Internal call automatic record (Voice Mail SVM-800)
19	EXT FWD	External call forward
20	FEATURE	Feature key
21	FLASH	Trunk flash
22	FOLLOW ME	Follow Me call forward
23	FORWARD	Call forward
24	FORWARDTOVMS	Call forward to voice mail
25	GRP I/O	Group in/out
26	HOLD	Hold
27	HOT LINE	Hot line
28	INTERCOM	Intercom call
29	-	Not used
30	MESSAGE	Message
31	MM PAGE	Meet me page
32	NEW CALL	New call
33	OHVAED	Receive off-hook voice announcement
34	OHVAING	Make off-hook voice announcement
35	ONEA2	1A2 emulation
36	OPERATOR	Operator
37	OUT TRSF	Outgoing transfer
38	OVERRIDE	Executive Override
39	PAGE 0	Page zone 0 PAGING
40	PAGE 1	Page zone 1 PAGING
41	PAGE 2	Page zone 2 PAGING
42	PAGE 3	Page zone 3 PAGING
43	PAGE 4	Page zone 4 PAGING
44	PAGE 5	Page zone 5 PAGING
45	PAGE 6	Page zone 6 PAGING
46	PAGE 7	Page zone 7 PAGING
47	PAGE 8	Page zone 8 PAGING
48	PAGE 9	Page zone 9 PAGING
49	PAGE *	Page zone * PAGING
50	-	Not used
51	PICKUP	Call pickup
52	PRB	Privacy release bridge (iDCS500 'L' & OS500)
53	REM. HOLD	Remote hold
54	RING PLAN	Ring mode
55	SECURE	Override secure
56	SET RLOC	Set relocation
57	SSPD TOL	System speed dial toll check
58	STN LOCK	Station locking
59	SYS SPD	System speed dialling
60	TRK AREC	Trunk call automatic record (SVM-800 Voice Mail)

61	TRK EHLD	Trunk call exclusive hold
62	UNCO CNF	Unsupervised conference
63	VM AREC	Auto record (voice mail)
64	VM AME	Answering machine emulation (voice mail)
65	VM REC	Call record (voice mail)
66	VMS PSWD	VMS password (SVM-800)
67	VMS REC	VMS call record (SVM-800)

**2. CALL STN GROUP, 3. CALL TRK GROUP and 4. CALL BIVMS STN options:**

	iDCS100	iDCS500 'L'	iDCS500 'M'	OS500 'L'	OS500 'S' & 'M'	
<b>STN GROUP</b>	01-20	01-50	01-30	01-80	01-40	Station group xx calling
<b>TRK GROUP</b>	01-11	01-50	01-11	01-30	01-30	Trunk group xx calling
<b>BIVMS STN</b>	01-08	01-16	01-16	01-16	01-16	VM port xx calling

**Default Data:**

Toll Level: all COS=A

USABLE FEATURES: DND OVRD, EXT AREC, OVERRIDE, SET RLOC, TRK AREC, VM AREC, VM AME, VM REC = NO (ALL OTHERS = YES)

CALL STN GROUP = YES

CALL TRK GROUP = YES

CALL BIVMS STN = YES

**Related Items:**

MMC 700 Copy COS Contents

MMC 702 Toll Deny Table

MMC 703 Toll Allowance Table

Toll Restriction

**MMC: 702****TOLL DENY TABLE****FOR:** ALL SYSTEMS**Purpose:** Sets up the Toll Deny table (for call barring).

	DCS	CII / 816	408/408i	iDCS100	iDCS500 'M'	iDCS500 'L'	OS500
<b>No. of entries in table</b>	500 (001–500)	200 (001–200)	100 (001–100)	250 (001–250)	250 (001–250)	500 (001–500)	500 (001–500)

Each entry, up to 12 digits, can be assigned to a class of service. With the use of wild cards (see [MMC 704, Assign Wild Character](#)), more flexibility can be built into toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as internal calls only by default.

**WILD CARD KEYS**

Wild card characters (X, Y, and Z) can be entered using the keys on your keyset shown in the table. For example, “8” means “key number 8”. Refer to the [keyset diagrams in section 1.5](#) for a guide to key numbers for the keyset you are using.

5000 Series Keysets*					
	DS/ITP-5014D	DS/ITP-5021D	DS-5007S	DS-5014S	DS-5038S
X	8	15	1	8	15
Y	9	16	2	9	16
Z	10	17	3	10	17

\* On large LCD phones (5012L):  
X=button A, Y=button B, Z=button C (on display)

	DCS (Euro) Keysets			iDCS Series Keysets		
	24B	12B	6B	28D	18D	8D
X	19	7	1	21	21	1
Y	20	8	2	25	25	2
Z	21	9	3	22	22	5

## ACTION

## DISPLAY

1. Open programming and select **702**  
Display shows
  
2. Dial entry number (e.g., 005)  
OR  
Press VOLUME keys to select index and press  
RIGHT soft key to move cursor and enter toll  
pattern via dial pad (e.g., 212)  
OR  
Enter wild card (e.g., 21X) and press RIGHT soft  
key to move cursor to COS options
  
3. Press VOLUME keys to move cursor along line  
until under toll class mark (e.g., E)  
  
Enter a 1 for YES or 0 for NO and press RIGHT  
soft key to return to step 1  
OR  
Press LEFT soft key to return to step 2
  
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

DENY(001):BCDEFG
:000000

DENY(005):BCDEFG
:000000

DENY(005):BCDEFG
212 :000000

DENY(005):BCDEFG
21X :000000

DENY(001):BCDEFG
212 :000100

**Default Data:** All entries are set to 0

**Related Items:** MMC 301 Assign Station COS  
MMC 701 Assign COS Contents  
MMC 703 Toll Allowance Table  
MMC 704 Assign Wild Character

# MMC: 703 TOLL ALLOWANCE TABLE

**FOR:** ALL SYSTEMS**Purpose:** Sets up the Toll Allowance table.

	DCS	CII / 816	408/408i	iDCS100	iDCS500 'M'	iDCS500 'L'	OS500
<b>No. of entries in table</b>	500 (001–500)	200 (001–200)	100 (001–100)	250 (001–250)	250 (001–250)	500 (001–500)	500 (001–500)

Each entry, up to 12 digits, can be assigned to a class of service. With the use of wild cards (see [MMC 704, Assign Wild Character](#)), more flexibility can be built into toll restriction. Wild cards can be used repeatedly in the dial string, limited only to what is allowed or denied in MMC 704. There are six toll levels, B to G, that are programmable. Toll level A is set as unrestricted by default and toll level H is set as internal calls only by default.

**WILD CARD KEYS**

Wild card characters (X, Y, and Z) can be entered using the dedicated keys on your key-set. (Refer to the tables in [MMC 702](#).)

**ACTION**

1. Open programming and select **703**  
Display shows
2. Dial entry number (e.g., 005)  
OR  
Press VOLUME keys to select index and press RIGHT soft key to move cursor and enter toll pattern (e.g., 212)  
OR  
Enter wild card (e.g., 21X) from above list and press RIGHT soft key to move cursor to COS options.
3. Press VOLUME keys to move cursor along line until under toll class mark (e.g., E)  
Enter a 1 for YES or 0 for NO and press RIGHT soft key to return to step 1  
OR  
Press LEFT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**DISPLAY**

ALOW(001):BCDEFG

:000000

ALOW(005):BCDEFG

\_ :000000

ALOW(005):BCDEFG

212 :000000

ALOW(005):BCDEFG

21X :000000

ALOW(001):BCDEFG

212 :000100

**Default Data:** All entries are set to 0**Related Items:**  
MMC 301 Assign Station COS  
MMC 701 Assign COS Contents  
MMC 702 Toll Deny Table  
MMC 704 Assign Wild Character

# MMC: 704

# ASSIGN WILD CHARACTER

**FOR:** ALL SYSTEMS

**Purpose:** Provides flexibility to toll restriction (call barring) when a specific numbering plan is desired. There are only three entry tables but more than one digit can be assigned per table if needed.

## ACTION

1. Open programming and select **704**  
Display shows
2. Press VOLUME keys to select X, Y, or Z  
and press RIGHT soft key to advance cursor to  
option line
3. Press VOLUME keys to move cursor to digit(s)  
desired (e.g. 5) and enter 1 or 0 as required

Press LEFT or RIGHT soft key to return to step 2  
to make more selections if required

4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

:0123456789\*#  
X:111111111111

:0123456789\*#  
X:111111111111

:0123456789\*#  
X:111110111111

**Default Data:** X = all '1'  
Y & Z = all '0'

**Related Items:** MMC 702 Toll Deny Table  
MMC 703 Toll Allowance Table

# MMC: 705      ASSIGN SYSTEM SPEED DIAL

**FOR:** ALL SYSTEMS

**Purpose:** Assigns system speed dialling numbers.

	DCS / CII	816	408/408i	iDCS	OS500	
No. of speed dials	500	300	200	500	500	950
Speed dial numbers	500–999	500–799	500–699	500–999	500–999	050–999

Refer to [MMC 606, Assign Speed Block](#). Each speed dial number consists of a trunk or trunk group access code (e.g. 9) followed by a separator (–) and up to 24 digits to be dialled. These dialled digits can be 0–9, \* and #. If the system recognises a valid trunk or trunk group access number, it will automatically insert the separator.

## FEATURE KEYS

<u>"B"</u>	Insert a flash code "F"
<u>"C"</u>	Insert a pause code "P"
<u>"D"</u>	Insert a pulse/tone conversion code "C"
<u>"E"</u>	Mask/unmask following digits - shows as "[" or "]"
<u>"F"</u>	Toggle to MMC 706 and enter name for speed dial no.

(Refer to [section 1.5.2 in Part 1](#) for a description of feature keys.)

## ACTION

1. Open programming and select **705**  
Display shows
2. Enter the speed dial required (e.g., 505)  
OR  
Press VOLUME keys to make selection and  
press RIGHT soft key to move cursor
3. Enter access code (e.g., 9) plus the phone number  
up to 24 digits (digits will scroll under)
4. Press "F" key to toggle to [MMC 706](#) (step 3) to  
enter a speed name for this number  
OR  
Press RIGHT soft key to return to step 2 to enter  
another speed dial number
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

SYS SPEED DIAL  
500:

SYS SPEED DIAL  
505:

SYS SPEED DIAL  
505:9–121223456789

SYS SPEED NAME  
505: \_

**Default Data:**      None

**Related Items:**      **MMC 606 Assign Speed Block**  
                         **MMC 706 System Speed Dial By Name**



# MMC: 706 SYSTEM SPEED DIAL BY NAME

**FOR:** ALL SYSTEMS

**Purpose:** Allows a name, up to 11 characters, to be entered for each system speed dial number you set up in [MMC 705](#). This name enables the number to be located when using the directory dial feature. The directory dial feature allows the display keyset user to select a speed dial number by searching for the name.

Names are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the name is "SAM SMITH", press the number "7" four times to get the letter "S". Now press the number "2" once to get the letter "A". Continue selecting characters from the keypad to complete your name. Press the programmable ["A" key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

The ["F" key](#) can be used to toggle to MMC 705 during programming.

## ACTION

## DISPLAY

1. Open programming and select **706**  
Display shows
2. Dial system speed entry number (e.g., 505)  
OR  
Press VOLUME keys to select entry number  
and press RIGHT soft key to move cursor
3. Enter name using dial keypad and press RIGHT  
soft key to return to step 2  
OR  
Press the "F" key to return to [MMC 705](#)  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

SYS SPEED NAME

500:

SYS SPEED NAME

505:

SYS SPEED NAME

505:TELECOMS

SYS SPEED DIAL

505:

**Default Data:** No names

**Related Items:** MMC 606 Assign Speed Block  
MMC 705 Assign System Speed Dial

# MMC: 707 AUTHORISATION CODE

**FOR:** ALL SYSTEMS

**Purpose:** Sets up authorisation codes on a per-class of service basis. The number of codes (entries) allowed and the maximum number of digits per entry are shown in the table.

	DCS	CI / CII	816	408/408i	iDCS100	iDCS500 'M'	iDCS500 'L'	OS500
<b>No. of entries</b>	250 (001–250)	100 (001–200)	30 (01–30)	10 (01–10)	250 (001–250)	250 (001–250)	500 (001–500)	500 (001–500)
<b>No. of digits</b>	4	4	4	4	4	4	4–10	4–10

## ACTION

1. Open programming and select **707**  
Display shows
2. Dial code entry number (see above) including any leading zeros (e.g., 05 or 005)  
OR  
Press VOLUME keys to selected index number and press RIGHT soft key to move cursor
3. Enter authorisation code (e.g., 1234) and press RIGHT soft key to move cursor
4. Enter class of service number 01–30 (e.g., 05)  
OR  
Press VOLUME keys to select COS and press RIGHT soft key to select and return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

AUTHOR.CODE(001)  
CODE: COS:01

AUTHOR.CODE(005)  
CODE:\_ COS:01

AUTHOR.CODE(005)  
CODE:1234 COS:01

AUTHOR.CODE(005)  
CODE:1234 COS:05

**Default Data:** None

**Related Items:** MMC 305 Assign Forced Code

# MMC: 708

# ACCOUNT CODE

**FOR:** ALL SYSTEMS

**Purpose:** Sets up account codes. The number of codes (entries) allowed and the maximum number of digits per entry are shown in the table.

	DCS	CI	CII / 816	408/408i	iDCS100	iDCS500 'M'	iDCS500 'L'	OS500
No. of entries	500 (001–250)	250 (001–250)	200 (001–200)	100 (001–100)	500 (001–500)	500 (001–500)	999 (001–999)	999 (001–999)
Max. no. of digits	12	12	12	12	12	12	12	12

## ACTION

1. Open programming and select **708**  
Display shows
2. Dial code entry number (see above) (e.g., 005)  
OR  
Press VOLUME keys to selected index number and press RIGHT soft key to move cursor
3. Enter account code (maximum 12 digits)
4. Press RIGHT soft key to move cursor back to step 2 to enter another code  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

ACCOUNT CODE  
001:

ACCOUNT CODE  
005:

ACCOUNT CODE  
005:123456789012

**Default Data:** None

**Related Items:** MMC 305 Assign Forced Code

# MMC: 709

# TOLL PASS CODE

**FOR:** ALL SYSTEMS

**Purpose:** Sets codes and numbers valid for the following options:

## 0 PBX CODE

Identifies the access codes needed to work toll restriction (call barring) when the system is used with either a PBX or CENTREX-supplied dial tone (PBX ACCESS CODE option). A maximum of five entries is allowed (two for 408/408i systems). Toll restriction is applied only to trunks flagged as PBX in [MMC 401](#) when these codes are dialled.

## 1 SPECIAL CODE

Identifies the access codes needed to work toll restriction when operating special C.O.-provided functions (SPECIAL CODE option)—a maximum of 10 entries is allowed, each up to four digits.

iDCS & OS500 systems also provide the following options:

## 2 TOLL OVERRIDE

This table of eight entries is used to identify numbers that will bypass all dialling restrictions including toll restriction, trunk access and forced authorisation and account codes. Each entry in the table can be up to 14 digits long.

## 3 OVRD USE TRK GRP

Designates the trunk group to use if a toll override number is dialled.

### ACTION

### DISPLAY

1. Open programming and select **709**  
Display shows
2. Dial option 0 or 1 (or 0–3 for iDCS) e.g. 0  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
3. Enter code index number (e.g., 2)  
OR  
Press VOLUME keys to make selection  
  
Press RIGHT soft key to move cursor
4. Enter the desired access/feature code (max. 4  
digits, e.g., 9)

PBX ACCESS CODE  
1:

PBX ACCESS CODE  
1:

PBX ACCESS CODE  
2: \_

PBX ACCESS CODE  
2: 9

5. Press RIGHT soft key to return to step 3 and enter another index number  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**            **None**

**Related Items:**        **MMC 304 Assign Station/Trunk Use**  
                              **MMC 305 Assign Forced Code**  
                              **MMC 401 CO/PBX Line**  
                              **MMC 702 Toll Deny Table**  
                              **MMC 703 Toll Allowance Table**

# MMC: 710

# LCR DIGIT TABLE

**FOR:** ALL SYSTEMS

**Purpose:** The LCR DIGIT TABLE contains all numerical digits for the completion of out-going call placement. This table works in conjunction with [MMC 711 \(LCR Time Table\)](#), [MMC 712 \(LCR Route Table\)](#), and [MMC 713 \(LCR Modify Digit Table\)](#).

Maximum number of entries is:

DCS & CII	816	408 & 408i	iDCS100	iDCS500 'M'	iDCS500 'L'	OS500
500	300	100	1000	1000	2000	2000

Digit string length is 10 digits. This system automatically maintains entered digit strings in numerical order. The characters \* and # can be used with feature codes.

## ACTION

1. Open programming and select **710**  
Display shows
2. Dial LCR entry (e.g., 005 or 0005)  
OR  
Press VOLUME keys to select entry and press RIGHT soft key to move cursor
3. Enter LCR digit string and press RIGHT soft key  
OR  
Press LEFT soft key to return to step 1
4. Enter digit length 00–31  
Cursor will move to RT (route selection)  
  
Enter RT 01 to 16 (or 32)  
OR  
Press LEFT soft key to return to length value  
  
Valid entry will return you to step 1
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

LCR DIGIT (001)  
DIGIT:

LCR DIGIT (005)  
DIGIT: \_

LCR DIGIT (005)  
DIGIT:305426

LCR DIGIT (005)  
LENGTH:10 RT:01

**Default Data:** Depends on software version

**Related Items:** MMC 210 Customer On/Off  
MMC 400 Customer On/Off Per Trunk  
MMC 711 LCR Time Table  
MMC 712 LCR Route Table  
MMC 713 LCR Modify Digit Table

# MMC: 711

# LCR TIME TABLE

**FOR:** ALL SYSTEMS

**Purpose:** This table gives flexibility to the system, through the LCR ROUTES, to allow calls placed at any given time of day to use the least cost trunk route that is available. When LCR ROUTE ADVANCE is allowed, it is possible for calls to be placed on more expensive trunks on any given time of day. There are four possible time entries per day; the start time of the next time period is the end time of the previous time period.

## FEATURE KEYS

DAY	DIAL
SUN	0
MON	1
TUE	2
WED	3
THU	4
FRI	5
SAT	6

TIME BAND	DIAL
A	0
B	1
C	2
D	3

LCRT	DIAL
LCRT	1
LCRT	2
LCRT	3
LCRT	4

## ACTION

1. Open programming and select **711**  
Display shows
2. Dial day of week (SUN–SAT, e.g., WED)  
OR  
Press VOLUME keys to make day selection and press RIGHT soft key
3. Dial time band (A–D, e.g., B)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Dial time via keypad (24-hour clock format, e.g. 0800)  
Cursor moves to LCRT
5. Dial entry 1–4 (e.g. 2)  
OR  
Press VOLUME keys to select entry and press RIGHT soft key
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

LCR TIME (SUN:A)  
HHMM: 0000 LCRT:1

LCR TIME (WED:A)  
HHMM: 0000 LCRT:1

LCR TIME (WED:B)  
HHMM: 0000 LCRT:1

LCR TIME (WED:B)  
HHMM:0800 LCRT:1

LCR TIME (WED:B)  
HHMM:0800 LCRT:2

**Default Data:**

DAY	TIME BAND	TIME	LCRT
SUN-SAT	A	0000	1
	B	2359	1

**Related Items:**

MMC 210 Customer On/Off  
MMC 400 Customer On/Off Per Trunk  
MMC 710 LCR Digit Table  
MMC 712 LCR Route Table  
MMC 713 LCR Modify Digit Table



**MMC: 712****LCR ROUTE TABLE****FOR:** ALL SYSTEMS

**Purpose:** The LCR ROUTE TABLE is responsible for selecting a specific trunk group in the completion of an outgoing call. This table works in conjunction with [MMC 310 \(LCR Class Of Service\)](#), [MMC710 \(LCR Digit Table\)](#), [MMC711 \(LCR Time Table\)](#), and [MMC713 \(LCR Modify Digit Table\)](#). After the user dials a valid digit string, the system uses the LCR Route Table to select a specific predetermined trunk group. A maximum of 16 routes are available (except for iDCS500 'L' and OS500 systems which have 32) beginning with route number 01. If more than one trunk group is available for call completion, the system uses the first designated trunk group and then starts to utilise succeeding trunk groups. If all trunk groups are busy in a selected route, call queue becomes active and allocates trunks as they become available.

**ACTION****DISPLAY**

1. Open programming and select **712**  
Display shows
2. Dial LCR ROUTE number (e.g., 05)  
OR  
Press VOLUME keys to selected index and press RIGHT soft key to move cursor
3. Dial TIME BAND number 1–4 (e.g., 2)  
OR  
Press VOLUME keys to selected index and press RIGHT soft key to move cursor
4. Dial LCR COS number 1–8 (e.g., 4)  
OR  
Press VOLUME keys to selected COS and press RIGHT soft key to move cursor
5. Dial TRUNK GROUP access code (e.g., 9)  
OR  
Press VOLUME keys to selected access code and press RIGHT soft key to move cursor
6. Dial MODIFY DIGITS index number 001 to 100 (or 200) (e.g., 050)  
OR  
Press VOLUME keys to selected index number and press RIGHT soft key to move cursor  
OR  
Press RIGHT soft key to leave entry unchanged
7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

LCR ROUTE (01:1)		
C:1	G:9	M:001

LCR ROUTE (05:1)		
C:1	G:9	M:005

LCR ROUTE (05:2)		
C:1	G:NONE	M:---

LCR ROUTE (05:2)		
C:4	G:NONE	M:---

LCR ROUTE (05:2)		
C:4	G:9	M:---

LCR ROUTE (05:2)		
C:4	G:9	M:050

LCR ROUTE (05:2)		
C:4	G:9	M:---

**Default Data:**

ROUTE	TIME BAND	COS	TRK GRP	MODIFY TBL INDEX
01-16	1	1	9	001-016
17-32	1	1	NONE	NONE

**Related Items:**      **MMC 310 LCR Class Of Service**  
                         **MMC 710 LCR Digit Table**  
                         **MMC 711 LCR Time Table**  
                         **MMC 713 LCR Modify Digit Table**

# MMC: 713 LCR MODIFY DIGIT TABLE

**FOR:** ALL SYSTEMS

**Purpose:** Also referred to as Outdial Rules, this enables the system to add or delete a digit string or single digit, if needed, to complete a call (e.g. adding a digit "1"). The characters \* and # can also be entered.

Option	Max No. of Digit Entries
Number of digits to delete	15
Insert (before dialling string)	14
Append (after dialling string)	14

## Digit String Key

Insert String + Digit String (delete) + Append String

### ACTION

1. Open programming and select **713**  
Display shows
2. Enter index number 001 to 100 (or 200) (e.g., 005)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
3. Enter number of digits to delete (e.g. 2)  
OR  
Press RIGHT soft key to skip step and move cursor to step 4
4. Enter digits to be inserted (e.g., 10288)  
OR  
Press RIGHT soft key to skip step or to store information and advance to step 5
5. Enter digits to be appended (e.g., 45678)  
OR  
Press RIGHT soft key to skip step or to store information and return to step 2
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

LCR MODIFY (001)  
NOF DEL DGT:00

LCR MODIFY (005)  
NOF DEL DGT:00

LCR MODIFY (005)  
NOF DEL DGT:02

LCR MODIFY (005)  
I:10288

LCR MODIFY (005)  
A:45678\_

**Default Data:** Depends on software version

**Related Items:**  
MMC 710 LCR Digit Table  
MMC 711 LCR Time Table  
MMC 712 LCR Route Table

# MMC: 714

## DDI NUMBER AND NAME TRANSLATION

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Assigns an incoming DDI call through ISDN to a specific station, if you have specified DDI service with your Network Carrier. DDI numbers can be matched to specific stations depending on day or night mode, or ring plan. You have the option, when the destination station is busy, of deciding if the call is to be camped on to the destination station or of clearing the call. A call waiting option allows a second DDI number to be received. iDCS500 'L' and OS500 system administrators can also define a Music-On-Hold source for callers to specific DDI numbers.

There is an extra option to adjust the number of digits to be compared by skipping the programmed counts from the first digit point provided by the Network.

If there is no matching number in the DDI NUMBER TABLE, the system routes the call to the operator group (by default) or to the destination assigned in [MMC 406](#).

Maximum number of entries is:

DCS & CII	816	408 & 408i	iDCS100	iDCS500 'M'	iDCS500 'L'	OS500
200	50	20	500	400	999	999

Each entry consists of the following fields.

<b>DIGITS (DGT)</b>	Digits to be received (max. 12 digits). Wild card (*) is a valid entry.
<b>MOH SOURCE</b> <b>(iDCS500 'L' &amp; OS500 systems only)</b>	Music-On-Hold source for DDI calls put on hold. There is a total of six possible music selections. In addition to "TONE", you may select an internal or external music source. Other sources can be: <ul style="list-style-type: none"><li>• An Auto Attendant (AA) port to provide continuous play of a specific recording. The AA port selected must be the last AA port on the AA card (3958). If selected, the Music-on-Hold will be the message defined in <a href="#">MMC 736</a>.</li><li>• A Voice Mail card to select a recording as a music source. The recording must already be defined in <a href="#">MMC 756</a> and will show up here as the voice mail port associated with the recording.</li></ul>
<b>DESTINATION</b>	Destination can be a station, a station group, a trunk or trunk group. A destination can be selected for both day and night mode, or for each ring plan for iDCS systems. (The character "B" is acceptable to bypass.)
<b>CALL WAIT (CW)</b>	Allow a second DDI call to be received. Toggles YES or NO.
<b>MAX COUNT (MC)</b>	Limits number of incoming calls on a DDI (OS500 only).
<b>DELETE or DC</b>	Decides the number of digits not to be translated from the first digit received. This is useful when the received digits are prefixed with the same digit(s).
<b>NAME</b>	Gives a name to an individual entry (11 characters maximum). Names are written using the keypad in the same way as speed dial names (see <a href="#">MMC 706</a> ).

■ **For all systems except iDCS & OS500**

**ACTION**

**DISPLAY**

- |  |                                    |
|--|------------------------------------|
| 1. Open programming and select <b>714</b><br>Display shows   | DID DIGIT (001)<br>DGT:2**         |
| 2. Enter valid entry number (e.g. 005 or 05)<br>OR<br>Press VOLUME keys to make selection and press<br>RIGHT soft key to move cursor                       | DID DIGIT (005)<br>DGT:            |
| 3. Enter the DDI number (e.g. 4603831) and press<br>RIGHT soft key to move cursor<br>(Max. digits is 12)   | DID DIGIT (005)<br>DGT:4603831     |
| 4. Enter day destination (e.g. 204)<br>OR<br>Press VOLUME keys to make selection and press<br>RIGHT soft key to move cursor                                | DID DIGIT (005)<br>→D:204 N:B      |
| 5. Enter night destination (e.g. 204)<br>OR<br>Press VOLUME keys to make selection and press<br>RIGHT soft key to move cursor                              | DID DIGIT (005)<br>→D:204 N:204    |
| 6. Enter 1 for YES (call waiting) or 0 for NO (no call<br>waiting)<br>OR<br>Press VOLUME keys to make selection and press<br>RIGHT soft key to move cursor | DID DIGIT (005)<br>CW: NO DELETE:0 |
| 7. Enter digits to be deleted (e.g. 3)<br>OR<br>Press VOLUME keys to make selection and press<br>RIGHT soft key to move cursor                             | DID DIGIT (005)<br>CW: NO DELETE:3 |
| 8. Enter name (max. 11 characters) and press RIGHT<br>soft key to return to step 2   | DID DIGIT (005)<br>NAME:_          |
| 9. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next<br>MMC  |                                    |

**Default Data:**

	001	002	003	004
DIGITS*	2**	3**	5**	7***
DAY DEST	B	B	B	B
NIGHT DEST	B	B	B	B
CALL WAIT	NO	NO	NO	NO
DELETE	0	0	0	0
NAME	None	None	None	None

**\*For 816 systems, default DIGITS are:**

01	02	03
2**	5**	7***
(Other defaults apply.)		

**For 408i systems, default DIGITS are:**

01	02	03
2*	5*	7***
(Other defaults apply.)		

**Related Items:**      **See *Related Items*, below**

## ■ For iDCS & OS500 systems

### ACTION

1. Open programming and select **714**  
Display shows
2. Enter valid entry number (e.g. 005 or 05)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor

3. Enter the DDI number (e.g. 4603831) and press RIGHT soft key to move cursor (max. 12 digits)

For iDCS500 'L' and OS500 systems only, now go to step 4. For others, now go to step 5

4. Enter Music-on-Hold source (e.g. 372)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor

5. Enter destination for ring plan 1 (e.g. 501)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor

Continue selecting destinations for ring plans 2–6, as required using RIGHT soft key to move cursor

6. At CW (call waiting) prompt: enter 1 for YES or 0 for NO  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor

### DISPLAY

DID DIGIT	(001)
DGT:	

DID DIGIT	(005)
DGT:	

DID DIGIT	(005)
DGT:4603831	

DID DIGIT	(005)
MOH SOURCE:372	

DID DIGIT	(005)
→1: 501      2:	

DID DIGIT	(005)
CW: <u>NO</u> DELETE:0	

7. Enter digits to be deleted (e.g. 3)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor

DID DIGIT	(005)
CW: NO	DELETE: <u>3</u>

8. Enter name (max. 11 characters) and press RIGHT  
soft key to return to step 2

DID DIGIT	(005)
NAME: _	

9. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**

**DIGITS:** None  
**DESTN:** B (all ring plans)  
**CALL WAIT:** NO  
**DELETE:** 0  
**NAME:** NONE

**Related Items:**

**MMC 419 BRI Options**  
**MMC 420 PRI Options**  
**MMC 421 MSN Digit**

# MMC: 715

## PROGRAMMED STATION MESSAGE

**FOR:** ALL SYSTEMS

**Purpose:** Allows customised messages, up to 16 characters each, to be programmed. You can also edit any of the 10 pre-programmed (default) messages, if necessary, to suit your working environment.

These messages can be selected by a station user to inform other users of their current status (e.g. "In a Meeting"). The message displays on the user's keyset and also on any calling keyset which has a display.

Messages are written via the keypad. Each press of a key selects a character. Pressing a different key moves the cursor to the next position. For example, if the message is "In the Showroom," press key number "4" three times to get the letter "I." Then press key number "6" twice to get the letter "N" and press the VOLUME UP key to move the cursor right. Continue selecting characters from the keypad to complete your message. Press the programmable **"A" key** to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

### ■ For all systems except iDCS & OS500

There are 20 messages allowed in total (01–20). Messages 01–10 are pre-programmed (see below) but can be changed by deleting and/or typing in new text. Messages 11–20 are blank by default ("EMPTY MESSAGE" may be displayed if one of these is selected, or the display is blank).

- 01. IN A MEETING
- 02. OUT ON A CALL
- 03. OUT TO LUNCH
- 04. LEAVE A MESSAGE
- 05. PAGE ME
- 06. OUT OF TOWN
- 07. IN TOMORROW
- 08. RETURN AFTERNOON
- 09. ON VACATION
- 10. GONE HOME



## ■ For iDCS systems

iDCS500 'L'	iDCS500 'M' & iDCS100
<p>30 possible messages (01–30)</p> <p>Messages <b>01–10</b> are pre-programmed as follows, but can be changed:</p> <p>01 GIVE ME THE CALL 02 TAKE A MESSAGE 03 ASK THEM TO HOLD 04 SEND TO MY VOICE MAIL 05 TRSF TO MY SECY 06 LEAVE A MESSAGE 07 PAGE ME 08 OUT OF TOWN 09 IN A MEETING 10 I WILL CALL BACK</p> <p>Messages <b>11–25</b> are blank for new messages to be created (up to 16 characters).</p> <p>Messages <b>26–27</b> are pre-programmed as follows, but can be changed:</p> <p>26 RETURN AT ***** 27 RETURN ON ***** (Station users can select these messages and insert times or dates as required into the message)</p> <p>Messages <b>28–30</b> are blank for new messages to be created (up to 9 characters). These have the same format as messages 26–27 and allow station users to insert times or dates as required into the message.</p>	<p>20 possible messages (01–20)</p> <p>Messages <b>01–10</b> are pre-programmed as follows, but can be changed:</p> <p>01 GIVE ME THE CALL 02 TAKE A MESSAGE 03 ASK THEM TO HOLD 04 SEND TO MY VOICE MAIL 05 TRSF TO MY SECY 06 LEAVE A MESSAGE 07 PAGE ME 08 OUT OF TOWN 09 IN A MEETING 10 I WILL CALL BACK</p> <p>Messages <b>11–18</b> are blank for new messages to be created (up to 16 characters).</p> <p>Messages <b>19–20</b> are pre-programmed as follows, but can be changed:</p> <p>19 RETURN AT ***** 20 RETURN ON ***** (Station users can select these messages and insert times or dates as required into the message)</p>

## ■ For OS500 systems

There are 15 programmable messages (01–15)\*. Messages 01–10 are pre-programmed (see below) but can be changed by deleting and/or typing in new text. Messages 11–15 are blank by default (“EMPTY MESSAGE” or “BLANK MESSAGE” may be displayed if one of these is selected, or the display may be blank).

- 01 GIVE ME THE CALL
- 02 TAKE A MESSAGE
- 03 ASK THEM TO HOLD
- 04 SEND TO MY VM (VOICE MAIL)
- 05 TRSF TO MY SECY (SECRETARY)
- 06 LEAVE A MESSAGE
- 07 PAGE ME
- 08 OUT OF TOWN
- 09 IN A MEETING
- 10 I WILL CALL BACK

(\* The system caters for up to 20 messages. However, messages 16–20 may be selected by keyset users if they wish to type in an individual message on their keyset, and cannot be programmed in this MMC.)

**ACTION**

**DISPLAY**

1. Open programming and select **715**  
Display shows (message may be different)
2. Enter message number (e.g., 11)  
OR  
Press VOLUME arrow to make selection and  
press RIGHT soft key to move cursor
3. If "EMPTY MESSAGE" or "Blank Message" is displayed, you can press HOLD to delete this text.  
However, this is optional as any new message you type will simply overwrite the displayed text.  
  
Enter new message (maximum 16 characters),  
e.g. "In the Showroom"
4. Press RIGHT soft key to return to step 2  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

PGM.MESSAGE(01)  
GIVE ME THE CALL

PGM.MESSAGE(11)  
Blank Message

PGM.MESSAGE(11)  
In the Showroom

**Default Data:**            **See above**

**Related Items:**        **MMC 115 Set Programmed Message**

# MMC: 716

# UK LCR OPTION

**FOR:** ALL SYSTEMS

**Purpose:** Provides UK Least Cost Routing options.

**Caution:** Before using this MMC, run [MMC 812](#) to make sure the correct country option has been selected (e.g. "UK").

- |   |                |   |
|---|----------------|---|
| 0 | NETWORK CODE   | Provides secondary network access code when the call is routed to the secondary network. 16 entries maximum (each 10 digits maximum in length). |
| 1 | PIN CODE       | Assigns PIN code used when the call is routed to secondary network.   |
| 2 | CCC OPTION     | Selects Cost Centre Code (1: NONE or STATION NUMBER)  |
| 3 | STATION PIN NO | Assigns individual users to selected PIN codes in the system.   |

## ACTION

1. Open programming and select **716**  
Display shows
2. Dial item number (e.g., 2)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key.
3. Dial 0 or 1 for CCC option (e.g., 0)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

NETWORK CODE 01:1703 USE:CCC
---------------------------------

CCC OPTION STATION NUMBER
------------------------------

CCC OPTION STATION NUMBER
------------------------------

## Default Data:

<b>NETWORK CODE:</b>	<b>None</b>
<b>PIN CODE:</b>	<b>None</b>
<b>CCC OPTION:</b>	<b>None</b>
<b>STATION PIN NO.:</b>	<b>All stations are 1</b>

## Related Items:

MMC 710 LCR Digit Table  
MMC 711 LCR Time Table  
MMC 712 LCR Route Table  
MMC 713 LCR Modify Digit Table  
MMC 812 Select Country

# MMC: 717

# UCD AGENT ID

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

For CI [MMC 717 PIN Code](#), see below

**Purpose:** Enter PIN numbers for UCD agents.

iDCS500 'L' and OS500 systems cater for 300 PINs (001–300); iDCS500 'M' and iDCS100 systems cater for 100 PINs (001–100).

## ACTION

1. Open programming and select **717**  
Display shows
2. Dial PIN number (e.g., 002)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key.
3. Enter ID (four digits), e.g. 5555, and press RIGHT soft key
4. Enter the group number (e.g. 515)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to enter and return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

AGENT PIN (001)
ID:     GRP:NONE

AGENT PIN (002)
ID: _   GRP:NONE

AGENT PIN (002)
ID:5555 GRP: <u>N</u> ONE

AGENT PIN (002)
ID:5555 GRP:515

**Default Data:**        **None**

**Related Items:**        **MMC 607 UCD Options**

# MMC: 717

## PIN CODE

FOR: CI only

For iDCS and OS500 [MMC 717 UCD Agent PIN](#), see above

**Purpose:** Assign the PIN code used when a call is routed to the secondary 131 Cable & Wireless network.

### ACTION

### DISPLAY

1. Open programming and select **717**  
Display shows
2. Enter index number (e.g., 2)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
3. Enter the desired access code (e.g., 3040506)  
Press RIGHT soft key to enter and return to step 2  
and enter another number
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

PIN CODE  
1:

PIN CODE  
2:

PIN CODE  
2:3040506

**Default Data:** None

**Related Items:** MMC 210 Customer On/Off  
MMC 313 Assign PIN Code  
MMC 716 UK LCR Option

**MMC: 718**

**MY AREA CODE**

Not Used in the UK / EU

# MMC: 719

## IDLE DISPLAY

**FOR:** OS500 only

**Purpose:** Allows you to define lines of text to be displayed on large LCD phones when they are idle. You can select up to 10 lines of text to display.

### ACTION

### DISPLAY

1. Open programming and select **719**  
Display shows
2. Dial number of line 01–10 for text display (e.g. 02)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
3. Enter the text to display and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

IDLE DISPLAY (01)

IDLE DISPLAY (02)

IDLE DISPLAY (02)  
SAMSUNG

**Default Data:** None

**Related Items:** None

# MMC: 720 COPY KEY PROGRAMMING

**FOR:** ALL SYSTEMS

**Purpose:** For duplicating key assignments from one keyset to another. This can be done on a per-station basis or on all stations, but not on a group of stations.

**Important:** a DCS (Euro) keyset can only be copied to another Euro keyset, a 5000 series keyset to another 5000 series keyset, and an iDCS keyset to another iDCS keyset. A limitation is that the original and target keysets must have the same number of keys, e.g. both are 24-button keysets or both are 12-button keysets.

## ACTION

1. Open programming and select **720**  
Display shows
2. Enter the station number to copy to (e.g., 205)  
OR  
Press VOLUME keys to make selection and  
press RIGHT soft key to move cursor
3. Enter station number to copy from (e.g., 203)  
(Cursor returns to step 2)  
OR  
Press VOLUME keys to make selection
4. Press RIGHT soft key to return to step 2  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] COPY KEY  
FROM:NONE

[205] COPY KEY  
FROM:NONE

[205] COPY KEY  
FROM:203

**Default Data:** None

**Related Items:** MMC 107 Key Extender  
MMC 721 Save Station Key Programming  
MMC 722 Station Key Programming  
MMC 723 System Key Programming



# MMC: 721

## SAVE STATION KEY PROGRAMMING

**FOR:** ALL SYSTEMS

**Purpose:** Prevents the loss of programmable keys on keysets when testing or replacement is required. First the data is saved and then the station can be replaced with another station type or the keys can be reprogrammed to other features. Once testing or replacement is completed, the data can be restored to the individual station, providing the same keyset type is used.

Options are SAVE and RESTORE.

Note: This program is not to be confused with MMC 315 (Set Relocation). MMC 721 is for saving and restoring the same device type at a port.

### ACTION

1. Open programming and select **721**  
Display shows
2. Enter desired station number (e.g., 205)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
3. Press VOLUME keys to select function (e.g.,  
SAVE)
4. Press RIGHT soft key to enter and return to step 2  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

[201] SAVE KEY  
RESTORE

[205] SAVE KEY  
RESTORE

[205] SAVE KEY  
SAVE

**Default Data:** RESTORE

**Related Items:** MMC 107 Key Extender  
MMC 722 Station Key Programming  
MMC 723 System Key Programming

# MMC: 722 STATION KEY PROGRAMMING

**FOR:** ALL SYSTEMS

**Purpose:** Customises programmable keys on individual keysets and add-on modules (AOMs). All systems are provided with default functions for some keys to provide basic operation. For example, keys 1 and 2 are set as CALL keys by default because it is recommended that these keys should always function as CALL keys. A keyset will not operate correctly unless it has at least one CALL key programmed (but see note, below).

Other keys can be programmed as described here. You can use the VOLUME keys to scroll through the selectable functions when programming keys (see table at the end of this MMC).

Functions can also be entered via the dial keypad. For example, to assign the OHVA function, key number 6 can be pressed three times. If the BOSS function is required, press 2 twice for the first letter B, and then use the VOLUME keys to change the selection from BARGE to BOSS.

Note: 408/408i systems do not support AOMs and default key functions are different from other systems. For example, keys 1 and 2 are not set as CALL keys by default as these are not required.

## ACTION

## DISPLAY

1. Open programming and select **722**  
Display shows  
  
OR  
  
For 408/408i systems, display shows  
(The programming procedure is, however, the same)
2. Enter station number (e.g., 205)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
3. If you have a 408/408i system, or if the selected station has no AOM pair, go to step 4  
  
Enter 0 for MAST, 1 for AOM1 or 2 for AOM2.  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Enter key number (e.g., 18)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key  
OR  
Press a programmable key

[201] KEY (MAST)  
01:CALL1 →

OR

[21] KEY PROG  
01:DT71 →

[205] KEY (MAST)  
01:CALL1 →

[205] KEY (MAST)  
01:CALL1 →

[205] KEY (MAST)  
18:NONE →

5. Press dial key pad number to make selection  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to advance cursor to step 6 to enter  
extender, if required, or to return to step 2

[205] KEY (MAST)  
18:NONE →GPIK\_

6. If required, enter extender (e.g., 03)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to return to step 2

[205] KEY (MAST)  
18:NONE →GPIK03

7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:** For all systems (except 408/408i), programmable keys 1 and 2 are set as **CALL** keys. You are advised not to change these. Defaults for 408/408i systems are shown in the *Samsung DCS-408 & 408i Installation Manual*. Each programmable key can be reprogrammed with one of the functions listed below.

**Programmable Key Function Assignments**  
(X means a function is not available on that system)

KEY	DESCRIPTION	DCS & CII	816	408	408i	DCS500 (L)	DCS500 (M)	DCS100	OS500
AAPLAY:	AUTO ATTND MESSAGE PL AY <sup>1</sup>	✓	✓	X	X	✓	✓	✓	✓
AAREC:	AUTO ATTND MESSAGE RECORD <sup>1</sup>	✓	✓	X	X	✓	✓	✓	✓
AB:	ABSENCE	✓	✓	✓	✓	✓	✓	✓	✓
ABAND:	ABANDON DATA	✓	✓	X	✓	✓	✓	✓	✓
ABW:	AGENT BUSY WRAP-UP (UCD)	X	X	X	X	✓	✓	✓	✓
ACCT:	ACCOUNT	✓	✓	✓	✓	✓	✓	✓	✓
ALARM:	ALARM RING ANSWER	✓	✓	X	✓	✓	✓	✓	✓
AN/RLS:	ANSWER/RELEASE	✓	✓	✓	✓	✓	✓	✓	✓
BARGE:	BARGE-IN	✓	✓	✓	✓	✓	✓	✓	✓
BILL:	HOTEL BILLING <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
BLOCK:	OHVA BLOCK	✓	✓	✓	✓	✓	✓	✓	✓
BOOTH:	HOTEL BOOTH <sup>6</sup>	X	X	X	X	✓	✓	✓	✓
BOSS:	BOSS / SECRETARY	✓	✓	✓	✓	✓	✓	✓	✓
CAD:	CALL ACTIVITY DISPLAY <sup>4</sup>	X	X	X	X	✓	✓	✓	✓
CALL:	CALL KEY	✓	✓	✓	✓	✓	✓	✓	✓
CAMP:	STATION CAMP ON	✓	✓	✓	✓	✓	✓	✓	✓
CANMG:	MESSAGE CANCEL	✓	✓	✓	✓	✓	✓	✓	✓
CBK:	CALLBACK	✓	✓	✓	✓	✓	✓	✓	✓
CHIN:	HOTEL CHECK IN <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
CHOUT:	HOTEL CHECK OUT <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
CHOICE:	DISABLE KEYSSET	X	X	X	X	✓	✓	✓	✓
CLIP:	CLIP <sup>1</sup>	✓	✓	X	✓	✓	✓	✓	✓
CONF:	CONFERENCE	✓	✓	✓	✓	✓	✓	✓	✓
CONP:	CONNECTED NAME DISPLAY <sup>5</sup>	X	X	X	X	✓	✓	✓	✓
CR:	CALL RECORD <sup>2</sup>	✓	X	X	X	✓	✓	✓	✓
CREDIT:	HOTEL CREDIT <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
CS:	UCD CALL WAITING STATUS	✓	✓	X	X	✓	✓	✓	✓
CSNR:	CLIP SAVE NUMBER REDIAL	✓	✓	X	✓	✓	✓	✓	✓
DGPALM:	WAKE-UP ALARM	X	X	X	X	✓	✓	✓	✓
DICT:	DICTATION	✓	✓	✓	✓	✓	✓	✓	✓
DIR:	DIRECTORY	✓	✓	✓	✓	✓	✓	✓	✓

KEY	DESCRIPTION	DCS & CII	816	408	408i	iDCS500 (L)	iDCS500 (M)	iDCS100	OS500
DIVERT	DIVERT TO SECRETARY	X	X	X	X	X	X	X	✓
DLOCK:	DOOR LOCK	✓	✓	✓	✓	✓	✓	✓	✓
DND:	DO NOT DISTURB	✓	✓	✓	✓	✓	✓	✓	✓
DNDO:	DND OVERRIDE	X	X	X	X	✓	✓	✓	✓
DP:	DIRECT PICK UP	✓	✓	✓	✓	✓	✓	✓	✓
DROP:	TRANSFER CALL DROP	✓	✓	✓	✓	✓	✓	✓	✓
DS:	DIRECT STATION SELECT	✓	✓	✓	✓	✓	✓	✓	✓
DT:	DIRECT TRUNK SELECT	✓	✓	✓	✓	✓	✓	✓	✓
EP:	ESTABLISHED CALL PICKUP <sup>3</sup>	X	X	X	X	✓	X	X	✓
EXTMIC:	EXTERNAL MICROPHONE	✓	✓	✓	✓	✓	✓	✓	✓
FAUTO:	FORCED AUTO ANSWER	✓	✓	✓	✓	✓	✓	✓	✓
FLASH:	FLASH	✓	✓	✓	✓	✓	✓	✓	✓
FWRD:	CALL FORWARD	✓	✓	✓	✓	✓	✓	✓	✓
GCONF:	CONFERENCE GROUP	X	X	X	X	X	X	X	✓
GPIK:	GROUP PICK UP	✓	✓	✓	✓	✓	✓	✓	✓
HDSET:	HEADSET MODE ON/OFF	✓	✓	✓	✓	✓	✓	✓	✓
HLDPK:	HOLD PICK UP	✓	✓	✓	✓	✓	✓	✓	✓
HOLD:	HOLD	X	X	X	X	✓	✓	✓	✓
HOTEL:	HOTEL <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
IG:	IN/OUT OF GROUP	✓	✓	✓	✓	✓	✓	✓	✓
INFDSP:	INFORMATION DISPLAY	X	X	X	X	✓	✓	✓	✓
INQUIRE:	CLIP INQUIRE	✓	✓	X	✓	✓	✓	✓	✓
ISPY:	CLIP SPY	✓	✓	X	✓	✓	✓	✓	✓
LANREQ:	LAN REQUEST <sup>4</sup>	X	X	X	X	✓	✓	✓	✓
LCR:	LEAST COST ROUTING	✓	✓	✓	✓	✓	✓	✓	✓
LISTN:	GROUP LISTENING	✓	✓	✓	✓	✓	✓	✓	✓
LNR:	LAST NUMBER REDIAL	✓	✓	✓	✓	✓	✓	✓	✓
LOG:	CALL LOGGING <sup>4</sup>	X	X	X	X	✓	✓	✓	✓
MMPA:	MEET ME PAGE ANSWER	✓	✓	✓	✓	✓	✓	✓	✓
MMPG:	MEET ME PAGE	✓	✓	✓	✓	✓	✓	✓	✓
MS:	MANUAL SIGNALLING	X	X	X	X	✓	X	X	✓
MSG:	MESSAGE	✓	✓	✓	✓	✓	✓	✓	✓
MUTE:	MUTE	✓	✓	✓	✓	✓	✓	✓	✓
MW:	MESSAGE WAIT <sup>3</sup>	X	X	X	X	✓	X	X	✓
NEW:	NEW CALL	✓	✓	✓	✓	✓	✓	✓	✓
NIGHT:	NIGHT SERVICE	✓	✓	✓	✓	X	X	X	X
NND:	CLIP NAME/NUMBER/DATE	✓	✓	X	✓	✓	✓	✓	✓
NOCLIP:	NO OUTGOING CLIP	X	X	X	X	✓	✓	✓	✓
NXT:	CLIP NEXT	✓	✓	X	✓	✓	✓	✓	✓
OHVA:	OFF-HOOK VOICE ANNOUNCE	✓	✓	✓	✓	✓	✓	✓	✓
OPER:	OPERATOR	✓	✓	✓	✓	✓	✓	✓	✓
PAGE:	PAGE	✓	✓	✓	✓	✓	✓	✓	✓
PAGPK:	PICKUP PAGE HOLD	✓	✓	✓	✓	✓	✓	✓	✓
PARK:	CALL PARK/RETRIEVE	✓	✓	✓	✓	✓	✓	✓	✓
PAUSE:	PAUSE	✓	✓	✓	✓	✓	✓	✓	✓
PMSG:	PROGRAMMED STATION MESSAGE	✓	✓	✓	✓	✓	✓	✓	✓
PRB:	PRIVACY RELEASE BRIDGE <sup>3</sup>	X	X	X	X	✓	X	X	✓
PROG:	PROGRAM <sup>3</sup>	X	X	X	X	✓	X	X	✓
PTHR:	PATH REPLACEMENT <sup>5</sup>	X	X	X	X	✓	X	X	✓
RB:	HOTEL REMOTE BILLING <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
REJECT:	OHVA REJECT	✓	✓	✓	✓	✓	✓	✓	✓
RETRY:	AUTO REDIAL ON BUSY	✓	✓	✓	✓	✓	✓	✓	✓
RE VW:	REVIEW (CLIP)	✓	✓	X	✓	✓	✓	✓	✓
RP:	RING PLAN	X	X	X	X	✓	✓	✓	✓
RSV:	HOTEL ROOM STATUS VIEW <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
RTO:	RING TIME OVERRIDE	X	X	X	X	✓	✓	✓	✓
SETDND:	SET DO NOT DISTURB <sup>3</sup>	X	X	X	X	✓	X	X	✓

KEY	DESCRIPTION	DCS & CII	816	408	408i	iDCS500 (L)	iDCS500 (M)	iDCS100	OS500
SETMG:	SET MESSAGE W/O RING	✓	✓	✓	✓	✓	✓	✓	✓
SG:	STATION GROUP	✓	✓	✓	✓	✓	✓	✓	✓
SLOCAT:	HOTEL STAFF LOCATOR <sup>6</sup>	X	X	X	X	✓	✓	✓	✓
SNR:	SAVED NUMBER REDIAL	✓	✓	✓	✓	✓	✓	✓	✓
SP:	SUPERVISOR OF UCD	✓	✓	X	X	✓	✓	✓	✓
SPD:	SPEED DIAL	✓	✓	✓	✓	✓	✓	✓	✓
SPKR:	SPEAKER	✓	✓	✓	✓	✓	✓	✓	✓
STATE	EXECUTIVE STATUS	X	X	X	X	X	X	X	✓
STORE:	STORE (CLIP)	✓	✓	X	✓	✓	✓	✓	✓
SYSALM:	SYSTEM ALARMS <sup>4</sup>	X	X	X	X	✓	✓	✓	✓
TG:	TRUNK GROUP	✓	✓	✓	✓	✓	✓	✓	✓
TIMER:	TIMER	✓	✓	✓	✓	✓	✓	✓	✓
TRARPT:	TRAFFIC REPORT <sup>4</sup>	X	X	X	X	✓	✓	✓	✓
TRSF:	TRANSFER	✓	✓	✓	✓	✓	✓	✓	✓
UA:	UNIVERSAL ANSWER	✓	✓	✓	✓	✓	✓	✓	✓
VDIAL:	VOICE DIALLER ACCESS	✓	✓	✓	✓	✓	✓	✓	✓
VG:	VOICE MAIL GROUP	✓	X	X	X	✓	✓	✓	✓
VM:	VOICE MAIL MEMO <sup>2</sup>	✓	X	X	X	✓	✓	✓	✓
VMADM:	VOICE MAIL ADMINISTRATION <sup>2</sup>	✓	X	X	X	✓	✓	✓	✓
VMAME:	VOICE MAIL ANSWERING MACHINE EMULATION <sup>2</sup>	✓	X	X	X	✓	✓	✓	✓
VMMMSG:	VOICE MAIL MESSAGE <sup>2</sup>	✓	X	X	X	✓	✓	✓	✓
VMSCMT:	VMS COMMENT (SVM-800)	CII only	X	X	X	✓	✓	✓	✓
VMSMSG:	VMS MESSAGE (SVM-800)	CII only	X	X	X	✓	✓	✓	✓
VMSOUT:	VMS OUT CALL (SVM-800)	CII only	X	X	X	✓	✓	✓	✓
VMSREC:	VMS RECORD (SVM-800)	CII only	X	X	X	✓	✓	✓	✓
VMSVAC:	VMS VACANT (SVM-800)	CII only	X	X	X	✓	✓	✓	✓
VREC:	RECORD KEY FOR VOICE DIALLER	✓	X	X	X	✓	✓	✓	✓
VT:	VOICE MAIL TRANSFER	✓	✓	✓	✓	✓	✓	✓	✓
WAKEUP:	HOTEL WAKE UP <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓
XCHIN:	HOTEL EXPRESS CHECK IN <sup>6</sup>	✓	X	X	X	✓	✓	✓	✓

#### Notes

- 1 Requires additional hardware
- 2 Requires a Cadence/SVMi-4/SVMi-8/SVMi-16 card
- 3 iDCS500 'L' and OS500 systems only
- 4 Accessible only with LAN interface
- 5 Network related feature
- 6 Hotel application feature

#### Related Items:

**MMC 107 Key Extender**  
**MMC 720 Copy Key Programming**  
**MMC 721 Save Station Key Programming**  
**MMC 723 System Key Programming**

# MMC: 723 SYSTEM KEY PROGRAMMING

**FOR:** ALL SYSTEMS

**Purpose:** Refer to the description in [MMC 722, Station Key Programming](#), but note that MMC 723 allows you to program keys for **all** stations rather than individual stations.

Programming in MMC 723 is also done on the basis of keyset type (12-button, 24-button, etc) as shown in the following table.

## KEYSET TYPE

Dial	DCS/CII/816	408/408i	iDCS	OS500
0	24-BTN	24-BTN	24-BTN	24-BTN
1	12-BTN	24-BTN EURO	12-BTN	12-BTN
2	6-BTN	12-BTN	–	6-BTN
3	–	6-BTN	6-BTN	48/64-BTN AOMS
4	48-BTN AOMS	28-BTN	–	20-BTN
5	–	18-BTN	48/64-BTN AOMS	28-BTN
6	28-BTN	8-BTN	20-BTN	18-BTN
7	18-BTN	24B SIMPLE	28-BTN	8-BTN
8	8-BTN	–	18-BTN	99-BTN
9	–	–	8-BTN	38-BTN
				21-BTN
				14-BTN

## ACTION

- Open programming and select **723**  
Display shows  
  
OR  
For 408/408i systems, display shows  
(The programming procedure is, however, the same)
- Enter keyset type using table above ( e.g.,1)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
- Enter key number (e.g., 12)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key
- Press dial keypad to select function  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to advance cursor to step 5 to enter  
extender, if required  
OR  
Press LEFT soft key to return to step 3

## DISPLAY

TYPE:24 BTN SETS  
01:CALL1 →

OR  
TYPE:24 BTN SETS  
01:DT71 →

TYPE:12 BTN SETS  
01:CALL1 →

TYPE:12 BTN SETS  
12:DS →

TYPE:12 BTN SETS  
12:DS →GPIK

5. If required, enter extender (e.g.,03)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to return to step 2

TYPE:12 BTN SETS
12:DS →GPIK03

6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**        [See notes and table of programmable key functions in MMC 722.](#)

**Related Items:**        **MMC 107 Key Extender**  
                              **MMC 720 Copy Key Programming**  
                              **MMC 721 Save Station Key Programming**  
                              **MMC 723 System Key Programming**

# MMC: 724 DIAL NUMBERING PLAN

**FOR:** ALL SYSTEMS

**Purpose:** The system comes with a range of acceptable numbering plans and feature codes set as defaults. This MMC allows you to customise these dialling plans and feature codes. An error message is also provided in case an access/feature code is duplicated.

Note: An iDCS500 system can be pre-programmed with a default 3- or 4-digit numbering plan for stations, station groups and trunk numbers depending on the position of the DIP switches on the MCP card.

The following options can be selected. (N/A=not applicable.)

Option	Description	Dial				
		DCS/CII	816	408/408i	iDCS	OS500
STN DIAL NO.	Station port dialling numbers	0	0	0	00	00
TRK DIAL NO.	Trunk port dialling numbers	1	1	1	01	01
AA/VD DIAL NO. (or AA DIAL NO.)	Auto attendant / voice dialler port dialling numbers	2	2	N/A	02	02
MISC DIAL NO.	Miscellaneous port dialling numbers (e.g. MOH)	3	3	2	03	03
STNG DIAL NO.	Station group dialling numbers	4	4	3	04	04
TRKG DIAL NO.	Trunk group dialling numbers	5	5	4	05	05
FEAT DIAL NO.	Feature codes	6	6	5	06	06
S0 STN DIAL NO.	S0 station dialling numbers	7	7	6*	07	07
DECT STN DIAL NO.	DECT station dialling numbers	8	N/A	N/A	08	08
NTWK LCR DIAL NO.	Additional LCR access codes if two or more iDCS systems are networked together	N/A	N/A	N/A	09	09
VIRT EXT DIAL NO.	Assigns or changes virtual station directory numbers	N/A	N/A	N/A	1	10
MGI DIAL NO.	MGI dialling numbers	N/A	N/A	N/A	N/A	11
IP STN DIAL NO.	Internet Phone dialling numbers	N/A	N/A	N/A	N/A	12
MOBILE DIAL NO.	Mobile (wireless) dialling numbers	N/A	N/A	N/A	N/A	13
VOIP NET DIAL NO.	Virtual C.O. line dialling numbers for VoIP networking	N/A	N/A	N/A	N/A	14
H323 DIAL NO.	Virtual C.O. line dialling numbers for VoIP H.323 connection	N/A	N/A	N/A	N/A	15
SIP TRK DIAL NO.	Virtual C.O. line dialling numbers for VoIP SIP connection	N/A	N/A	N/A	N/A	16

\* 408i systems only



If changing feature codes using the FEAT DIAL NO option, you can use the VOLUME keys to scroll through selectable features. Features can also be entered via the dial keypad. For example, for OHVA, the number 6 would be pressed three times. If Block Code is required, press 2 twice for BARGE and then use the VOLUME UP key to select BLOCK.

The example shown below describes the use of the FEAT DIAL NO option.

## ACTION

## DISPLAY

- |  |                                    |
|--|------------------------------------|
| 1. Open programming and select <b>724</b><br>Display shows (e.g. for Compact II)   | STN DIAL NUMBER<br>BASE01:201 →    |
| 2. Enter option number 0-8 (e.g. FEAT DIAL NO.)<br>OR<br>Press VOLUME keys to make selection and press RIGHT soft key.   | FEAT DIAL NUMBER<br>ABAND: 64→     |
| 3. Use dial keypad to select feature (e.g. DICT)<br>OR<br>Press VOLUME keys to make selection and press RIGHT soft key to advance cursor   | FEAT DIAL NUMBER<br>DICT :NONE→_   |
| 4. Enter digits (e.g., 68)   | FEAT DIAL NUMBER<br>DICT :NONE→68  |
| 5. Press LEFT soft key to enter change and continue to make changes<br>OR<br>Press RIGHT soft key to enter and return to step 2<br><br>If an error message appears indicating duplication of access code, enter 1 for YES (change) OR 0 for NO (no change) | SAME DIAL EXIST<br>CHANGE? Y:1,N:0 |
| 6. Press Transfer/TRSF to store and exit<br>OR<br>Press SPEAKER to store and advance to next MMC   |                                    |

**Default Data: Feature codes (some may not be available on your system)**

ABAND	64	DLOCK	13	OPER	0 (9)	VMSG	None
ABS	None	DND	40	PAGE	55	VMSCMT	None
ABW	None	DNDO(VER)	None	PAGPK	10	VMSMSG	None
ACCT	47	FAUTO	14	PARK	None	VMSOUT	None
ALMCLR	57	FLASH	49	PAUSE	None	VMSREC	None
AUTH	*	FWD	60	PMSG	48	VMSVAC	None
BARGE	None	GCONF	None	PTHR	None	VREC	682
BILL	None	GRPK	66	RB	None	WAKEUP	18
BLOCK	None	HDSET	None	REJECT	None	WCOS	59
BOSS	None	HLDPK	12	RP	None		
CAMP	45	HOLD	11	RSV	None		
CANMG	42	HOTEL	None	RTO	None		
CBK	44	IG	53	SELFID	None		
CHIN	None	INFDSP	None	SETMG	41		
CHOUT	None	LCR	#	SLOCAT	None		
CHOICE	None	LISTN	None	SLTALM	None		
CONF	46	LNR	19	SLTMMC	15		
CONP	None	LOG	None	SNR	17		
CR	None	MMPA	56	SPEED	16		
CREDIT	None	MMPG	54	SRELOC	None		
DGPALM	None	MSG	43	STATE	None		
DICT	None	MYGRPK	28	UA	67		
DIR	None	NEW	None	VDIAL	681		
DIRPK	65	NIGHT	None	VMADM	None		
DISALM	58	NOCLIP	None	VMAME	None		
DIVERT	None	OHVA	None	VMMEMO	None		

**Related Items:** All programs and features

# MMC: 725

# SMDR OPTIONS

**FOR:** ALL SYSTEMS

**Purpose:** Selects the information to be printed on SMDR reports. Some or all of the following options may be selected, depending on your system. All have YES/NO options (YES=print) except where a new value or directory name is required.

Two options, HOTEL PAGE FEED and HOTEL START LINE, relate to the optional Hotel application and are provided for setting up the required printer output for invoices (port set to service type HM REPT in [MMC 804](#)).

PAGE HEADER	Determines whether a page header prints at the top of each page. This would normally be turned off if SMDR is being sent to a call accounting machine.
LINE PER PAGE	Selects the length of each page to determine when to print the SMDR header. The number of lines is in the range 01–99.
INCOMING CALL	Determines whether incoming calls print on SMDR.
OUTGOING CALL	Determines whether outgoing calls print on SMDR.
AUTHORISE CODE	Determines whether authorisation codes print on SMDR.
SMDR START TIME	Determines whether valid calls will include the minimum call time in total call duration (set in <a href="#">MMC 501</a> ).
IN/OUT GROUP	Allows a message, IN GROUP or OUT GROUP, to be printed in the Digits Dialed column each time a station enters or leaves a group.
DND CALL	Allows a message, DND ON or DND OFF, to be printed in the Digits Dialed column each time a station enters or leaves DND.
WAKE-UP CALL	Determines whether stations receiving an alarm reminder call print on SMDR.
DIRECTORY NAME	Allows the system administrator to enter a 16-character name which will appear on the SMDR header.
CALLER ID DATA	Can be selected to print CLIP data received from the C.O. on incoming ISDN calls. This option requires the use of a 132-column printer or an 80-column printer set for condensed print. (Not available on 408 systems.)
ABANDON CALL	If this option is set to YES, unanswered calls will print on SMDR. (Not available on 408 systems.)
NO. OF DIAL MASK	Number of dialled digits not to be printed (00–18)
INCOMING ANSWER	If set to YES, the duration of calls ringing before being answered prints on SMDR.
INTERCOM CALL	Determines whether internal calls print on SMDR.
KEY MMC IN/OUT	If set to YES, the SMDR will show programming being opened and closed (iDCS 500 'L' and OS500 systems only).
HOTEL PAGE FEED	Determines where a page feed is inserted in Hotel invoice print. (Start, End or Both)
HOTEL START LINE	Determines number of blank lines to print on Hotel invoice print.

DID NUM/NAME	Determines whether DDI number and name print on SMDR. (Not available on 408 or iDCS systems.)
ITP REGISTRATION	Determines whether registration of ITP phones prints on SMDR (OS500 only)
SET RELOCATION	Determines whether Set Relocations print on SMDR (see <a href="#">MMC 315</a> ) (OS500 only)

The DIRECTORY NAME that appears on the SMDR header is written using the keypad. Pressing a key selects a character and moves the cursor to the next position. For example, if the directory name is "SAM SMITH," press the number "7" four times to get the letter "S." Now press the number "2" once to get the letter "A." Continue selecting characters from the keypad to complete the name. Press the programmable ["A" key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

Tip: When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, and enter the new character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

#### Example 1: Switching options on (yes=print) or off (no=do not print)

##### ACTION

##### DISPLAY

1. Open programming and select **725**  
Display shows
2. Dial the option number (e.g. 00)  
OR  
Use the VOLUME keys to scroll through options  
and press RIGHT soft key
3. Use the VOLUME keys to select YES or NO  
and press the RIGHT soft key to save the data and  
return to step 2
4. After all desired options have been selected and  
set, press Transfer/TRSF to exit  
OR  
Press SPEAKER to exit and advance to next MMC

PAGE HEADER PRINT : YES
----------------------------

PAGE HEADER PRINT : <u>Y</u> ES
------------------------------------

PAGE HEADER PRINT : NO
---------------------------

## Example 2: Changing no. of lines per page

### ACTION

1. Open programming and select **725**  
Display shows
2. Dial the option number 01  
OR  
Use the VOLUME keys to select and press  
RIGHT soft key
3. Enter the number of lines per page in the range  
01–99 (e.g., 50)  
OR  
Use the VOLUME keys to change the number of  
lines and press the RIGHT soft key to save the  
data and return to step 2
4. After all desired options have been selected and  
set, press Transfer/TRSF to exit  
OR  
Press SPEAKER to exit and advance to next MMC

### DISPLAY

PAGE HEADER  
PRINT : YES

LINE PER PAGE  
66 LINE / PAGE

LINE PER PAGE  
50 LINE / PAGE

### Default Data:

Page Header:	Yes	Abandon Call:	Yes
Line Per Page:	66	No. of Dial Mask:	00
Outgoing Call:	Yes	Incoming Answer	Yes
Incoming Call:	Yes	Intercom Call	Yes
Authorise Code:	Yes	Key MMC In/Out	No
SMDR Start Time:	Yes	Hotel Page Feed	End
In/Out Group:	Yes	Hotel Start Line	0 Line
DND Call:	Yes	DID Num/Name:	Yes
Wake-Up Call:	Yes	ITP Registration:	No
Directory Name:	None	Set Relocation:	No
Caller ID Data:	Yes		

Related Items:      **MMC 300 Customer On/Off Per Station**

# MMC: 726

# VM/AA OPTIONS

**FOR:** ALL SYSTEMS

**Purpose:** Sets in-band signalling for voice mail or auto attendant parameters. There are eight main options for programming and several sub-options to customise the application. Simple YES/NO, numeric and alpha characters are required for setting VM/AA.

The following options may be selected for VM/AA operation:

- |   |                     |  |
|---|---------------------|--|
| 0 | EXT FOR DN1         | DTMF information for the station that called the VM/AA port station which is forwarded to VM/AA port.  |
| 1 | TRK FOR DN1         | DTMF information for the trunk that called the VM/AA port.   |
| 2 | EXT FOR DN2         | DTMF information for the station that originated the call to a station which is forwarded to a VM/AA port.   |
| 3 | TRK FOR DN2         | DTMF information for the trunk that called a station forwarded to a VM/AA port.  |
| 4 | SEPARATOR           | In cases where DN2 is used, this specific digit is sent between the DN1 and the DN2 information. Both DN1 and DN2 must be set to YES for SEPARATOR to be sent. |
| 5 | DISCONNECT SIGNAL   | This signal is sent when the calling station or C.O. line hangs up.  |
| 6 | CALL TYPE ID        | Under this VM/AA option are several customising applications:  |
| 0 | <i>DIRECT CALL</i>  | A call originating directly from another station in the system.  |
| 1 | <i>ALL FWD CALL</i> | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD ALL set.   |
| 2 | <i>BSY FWD CALL</i> | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD BUSY set.  |
| 3 | <i>NOA FWD CALL</i> | This indicates that a call was forwarded to the VM/AA port from a station with CALL FORWARD NO ANSWER set.   |
| 4 | <i>RECALL</i>       | A call is recalling the VM/AA port after being transferred and not answered.   |
| 5 | <i>DIR TRK CALL</i> | A C.O. call has gone directly to VM/AA (e.g., trunk 717 DIL to VM/AA).   |
| 6 | <i>OVERFLOW</i>     | A call has OVERFLOWED to the VM/AA port from a station group.  |
| 7 | <i>DID CALL</i>     | A DDI call has called the VM/AA port.  |
| 8 | <i>MESSAGE CALL</i> | A message key or message reply feature code has been used to call the VM/AA port.  |

## 7 PROGRESS TONE ID

DTMF digits can be sent in place of normal system tones. Digits can be assigned to the following tones:

### TONES

- 0. DIAL TONE
- 1. BUSY TONE
- 2. RINGBACK TONE
- 3. DND NO MORE
- 4. HDSET ANSWER
- 5. SPKER ANSWER

Note: For DCS and CII, the call progress tones will automatically be set to the default values if the SMDI VMS SET option in [MMC 210](#) is set ON.

## FEATURE KEYS

- ["A"](#) Insert DTMF digit "A"
- ["B"](#) Insert DTMF digit "B"
- ["C"](#) Insert DTMF digit "C"

(Refer to [section 1.5.2 in Part 1](#) for key descriptions.)

### ACTION

1. Open programming and select **726**  
Display shows
2. Enter the option number from above list (e.g., 4  
— for other options, see steps 4 to 11)  
OR  
Press VOLUME keys to make selection  
Press LEFT soft key to move cursor
3. Enter 1 for YES or 0 for NO  
OR  
Press VOLUME keys for selection  
Press RIGHT soft key to return to step 2
4. If option 0 is selected at step 2
5. If option 1 is selected at step 2
6. If option 2 is selected at step 2
7. If option 3 is selected at step 2

### DISPLAY

EXT FOR DN1  
YES

SEPARATOR  
NO

SEPARATOR  
YES

EXT FOR DN1  
YES

TRK FOR DN1  
YES

EXT FOR DN2  
NO

TRK FOR DN2  
NO

8. If option 4 is selected at step 2  
(A valid entry consists of digits 0–9 or alpha characters A–C)
 

SEPARATOR NO
-----------------
  
9. If option 5 is selected at step 2  
(A valid entry consists of digits 0–9 or alpha characters A–C)
 

DISCONNECT SIGNAL C
------------------------
  
10. If option 6 is selected at step 2  
(A valid entry consists of digits 0–9 or alpha characters A–C)
 

CALL TYPE ID DIRECT CALL : <u>NO</u>
---

See list under '6 CALL TYPE ID', above
  
11. If option 7 is selected at step 2  
(A valid entry consists of digits 0–9 or alpha characters A–C)
 

PROGRESS TONE ID <u>D</u> IAL TONE : <u>NO</u>
---

See table of [Tones](#) under '7 PROGRESS TONE ID', above
  
12. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**

EXT FOR DN1 = Yes  
 TRK FOR DN1 = Yes  
 EXT FOR DN2 = No  
 TRK FOR DN2 = No  
 SEPARATOR = No  
 DISCONNECT SIGNAL = C  
 CALL TYPE ID:  
     DIRECT CALL     1  
     ALL FWD CALL   2  
     BSY FWD CALL   3  
     NOA FWD CALL   4  
     RECALL          5  
     DIR TRK CALL    6  
     OVERFLOW       7  
     DDI CALL        8  
     MESSAGE CALL   9

PROGRESS TONE ID = No (for all)

**Related Items:**      **MMC 207 Assign VM/AA Port**



# MMC: 727 SYSTEM VERSION DISPLAY

**FOR:** ALL SYSTEMS

**Purpose:** (This is a read-only MMC.)

Used for system card version and date display only. Press VOLUME keys to scroll display for version of each card installed.

Version display takes the format:

“YY.MM.DD Version #”  
or “YYYY.MM.DD Version #”

Where YY (or YYYY) = Year, MM = Month, DD = Day, Version # = version number (e.g. V6.25, L1.22, etc)

## ACTION

1. Open programming and select **727**  
Display shows date and version
2. Press VOLUME keys to select other installed cards (e.g. Misc card)
3. Press Transfer/TRSF to exit  
OR  
Press SPEAKER to advance to next MMC

## DISPLAY

ROM VERSION '01. 02. 16. V6.25
-----------------------------------

OR

MCP VERSION 2001.10.01 L1.22
---------------------------------

MISC. VER:MISC '96. 10. 02 V3.0
------------------------------------

Note: If a particular card is not installed, the LCD shows either 'NO {card type} CARD' or 'NO INSTALL CARD.' If there is no version data, you see 'NO VERSION DATA'.

**Default Data:** Installed card version and date

**Related Items:** None

# MMC: 728 CLIP TRANSLATION TABLE

FOR:	DCS	CI	CII	816	408i	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	------	---------	---------	-------

**Purpose:** Associates a CLIP number received from the central office with a name programmed in this translation table. If there is no match between a received number and a name in this table, "no CLIP name" is displayed.

<b>DCS</b>	Translation table consists of 250 entries, each comprising a telephone number up to 11-digits and a name up to 16-digits
<b>CII and 816</b>	Translation table consists of 200 entries, each comprising a telephone number up to 16-digits and a name up to 16-digits
<b>408i</b>	Translation table consists of 100 entries, each comprising a telephone number up to 14-digits and a name up to 16-digits
<b>iDCS100</b>	Translation table consists of 350 entries, each comprising a telephone number up to 14 digits and a name up to 16-digits
<b>iDCS500</b>	Translation table consists of 1500 entries ('L' systems) or 400 entries ('M' systems), each comprising a telephone number up to 14 digits and a name up to 16-digits
<b>OS500</b>	Translation table consists of 2000 entries ('L' systems) or 1000 entries ('S' and 'M' systems), each comprising a telephone number up to 14 digits and a name up to 16-digits

Names are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the name is "SAM SMITH", press the number "7" four times to get the letter "S". Now press the number "2" once to get the letter "A". Continue selecting characters from the keypad to complete your name. Press the programmable ["A" key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

## ACTION

## DISPLAY

1. Open programming and select **728**  
Display shows
  
2. Dial entry number (3 or 4 digits depending on system type) e.g., 005  
OR  
Press VOLUME keys to select and press RIGHT soft key
  
3. Enter telephone number and press RIGHT soft key to advance to name entry  
OR  
Enter telephone number and press LEFT soft key to return to step 2
  
4. Enter associated name as described above and press RIGHT or LEFT soft key to return to step 2  
OR  
Press SPEAKER to save and advance to next MMC  
OR  
Press Transfer/TRSF to save and exit programming

CLIP XLAT	( <u>0</u> 01)
DGT:	

OR

CLIP XLAT	( <u>0</u> 01)
DGT:	

CLIP XLAT	(00 <u>5</u> )
DGT:	<u>_</u>

CLIP XLAT	(00 <u>5</u> )
DGT:	305426410 <u>0</u>

CLIP XLAT	(00 <u>5</u> )
SAMSUNG	<u>_</u>

**Default Data:**           **None**

**Related Items:**       **None**

# MMC: 730

## AA GAIN

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Controls Auto Attendant record gain. On iDCS systems there is also an option to control play gain. Note that AA card port numbers differ between systems (see [Part 2, section 2.3, System Configuration: Quick Reference](#)).

### ■ For all systems except iDCS and OS500

#### ACTION

#### DISPLAY

1. Open programming and select **730**  
Display shows (e.g. for Compact II / 816)
2. Dial AA number (first port in card, e.g. 385)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Press VOLUME keys to select record gain and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC.

[381] AAREC.GAIN  
REC.GAIN:+0.0

[385] AAREC.GAIN  
REC.GAIN:±0.0

[385] AAREC.GAIN  
REC.GAIN:±1.0

### ■ For iDCS and OS500 systems

1. Open programming and select **730**  
Display shows
2. Dial AA number (first port in card, e.g. 3959)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Press VOLUME keys to select record gain (dB), e.g. 1.9, and press RIGHT soft key
4. Press VOLUME keys to select play gain (dB), e.g. 1.9, and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC.

[3951] AA GAIN  
REC:+0.0 PL:+0.0

[3959] AA GAIN  
REC:±0.0 PL:+0.0

[3959] AA GAIN  
REC:+1.9 PL:±0.0

[3959] AA GAIN  
REC:+1.9 PL:+1.9

**Default Data:** +0.0 dB

**Related Items:** None

# MMC: 731

# AA RAM CLEAR

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Clears Auto Attendant memory on a per-AA card basis. The system only accepts the first port as a port field and the LCD shows its selection. This will erase all messages previously programmed on the selected card.

Note that AA card port numbers differ between systems (see [Part 2, section 2.3, System Configuration: Quick Reference](#)).

## ACTION

1. Open programming and select **731**  
Display shows (e.g. for Compact II / 816)
2. Dial AA number (e.g. 381)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
3. Dial 0 (No) or 1 (Yes)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Dial 0 (No) or 1 (Yes) to confirm selection  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[381] RAM CLEAR  
CLR RECORDED?NO

[381] RAM CLEAR  
CLR RECORDED?NO

[381] RAM CLEAR  
CLR RECORDED?YES

[381] RAM CLEAR  
ARE YOU SURE?YES

**Default Data:**           **None**

**Related Items:**       **None**

# MMC: 732

# AA TRANSLATION TABLE

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** AA translation tables are responsible for routing calls based on digits dialled. There are 12 Translation tables. Each table can be assigned to one or more AA plans in [MMC 733, AA Plan Table](#).

## Number of Table Entries

**iDCS & OS500 systems** Translation tables 01–12 have up to 100 entries each.

**Other systems** Translation Tables 01 and 02 have up to 100 entries each (or 50 each on 816 systems). Tables 03–12 have up to 25 entries.

Each entry comprises two fields: the digits dialled and the destination. Destinations can be a station number, station group, Change Greeting Message Code, or an AA plan table.

In the digits dialled field, “\*” can be used to represent any digit.

## FEATURE KEYS

The keys “A–D” can be pressed in the destination field. (Refer to [section 1.5.2](#) in Part 1 for key descriptions.)

- If you press the “A” key, you can enter an AA plan table 01–12. (The display shows “P”.)
- If you press the “B” key, the destination will be the same as the digits dialled by the caller.
- If you press the “C” key, you can enter CHANGE GREETING MESSAGE CODE.
- If you press the “D” key, this takes the call to voice mail

## iDCS and OS500 Systems, and DCS/Compact II Systems Operating Version 7.x Software:

Entries in the translation table will also provide the following features which are useful if a mailbox owner does not have a telephone in the system, but does have a voice mailbox.

- A caller dialling # + nnn can leave a message in the mailbox specified by nnn.
- A caller dialling \* + nnn will log into the mailbox specified by nnn.

## Changing Ring Plans and Greeting Message

- When the system changes ring plans (or day/night mode), the AA greetings will also change as programmed in [MMC 733](#).
- If the AA change greeting message code is entered, a caller can select the alternative greeting message or change the ring plan (or day/night mode):

- **iDCS & OS500:** To implement ring plan changes and/or the alternative greeting, the caller must enter the number (passcode) that implements the special program. The passcode must be followed by two digits: the first digit (1-6) selects the desired ring plan to select (or can be 0 for no change); the second digit can be 1 for the alternative greeting or 0 for no alternative.
- **DCS/CII:** To change day/night mode and/or the alternative greeting, the caller must enter the number (passcode) that implements the special program. The passcode must be followed by digit 1–3: 1 selects day, 2 selects night and 3 selects the alternative greeting.
- If an **RP** (Ring Plan) key is programmed in an iDCS or OS500 system, it will flash to show that the ring plan has the alternative message set. (The normal status of this light in a ring plan is on steady.) If an **RTO** (Ring Time Override) key is available this will also flash
- If the greeting message is not changed but the ring plan is changed, the system will remain in the selected ring plan until the next scheduled ring plan change. If the greeting message is changed the system will remain in the existing ring plan or the selected ring plan until the alternative greeting is manually changed back

**Example (iDCS/OS500):** Caller dials into the system and is answered by the AA card. Caller enters the passcode then dials 3, to select ring plan 3, followed by 1 to turn on the alternative greeting. The system now rings according to ring plan 3. Ring plan 3 is directed to the AA card and the caller is now answered by the alternate greeting.

## ACTION

## DISPLAY

1. Open programming and select **732**  
Display shows
2. Dial Table number (01–12, e.g. 02)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial entry number (see [Number of Table Entries](#), above), e.g. 002  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Enter Dial DIGIT (e.g. 2\*\*)   
Press RIGHT soft key
5. Dial Destination (e.g. B)  
OR  
Press VOLUME keys to select and press RIGHT soft key
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

AA TRANS TB (01)
001:0 → 500

AA TRANS TB (02)
001: →NONE

AA TRANS TB (02)
002: →NONE

AA TRANS TB (02)
002:2**_ →

AA TRANS TB (02)
002:2** → B

**Default Data:**        **Table 01 is set for transfers to station, group and plan nos.  
Other tables are empty**

**Related Items:**        **MMC 733 AA Plan Table**



**MMC: 733****AA PLAN TABLE**

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Calls up customer-recorded and pre-recorded messages into plans compiled in [MMC 732, AA Translation Table](#). Pre-recorded messages listed below can be applied and destinations can be programmed as required. Specific ports are programmed in [MMC 735, AA Use Table](#).

There are a total of 64 messages on an AA card:

- 48 (01-48) messages are to be recorded by the user
- 16 (49-64) messages are pre-recorded in ROM on the card

Options are as follows:

Option	Description	Dial		Value
		iDCS & OS500 Systems	Other Systems	
PLAN MSG1–6	Introduction message during ring plans 1–6	00–05	–	01-64
DAY MSG	Introduction message during Day Mode	–	00	01-64
NIGHT MSG	Introduction message during Night Mode	–	01	01-64
ALTER MSG	Emergency message	06	02	01-64
INVLD MSG	Message when an invalid digit is dialled	07	03	01-64
NO ANS MSG	Message when there is no reply from the destination	08	04	01-64
XFER MSG	Transfer notifying message	09	05	01-64
BUSY MSG	Message on busy reply	10	06	01-64
NO STN MSG	Message on retrieval	11	07	01-64
NO ACT MSG	Message on no action	12	08	01-64
CAMP ON	Allow camp-on to busy extension	13	09	On/Off
ANS DELAY	Answer Delay	14	10	01-10 <sup>1</sup>
RETRY CNT	No of times the AA will try to connect before routing to final destination.	15	11	0-5 <sup>1</sup>
TRANS TABLE	Assigning associated Trans Table	16	12	01-12 <sup>2</sup>
BUSY DEST	Alternative destination on busy	17	13	Dest. <sup>3</sup>
NO ANS DEST	Alternative destination on no answer	18	14	Dest. <sup>3</sup>
NO ACT DEST	Default destination on no action	19	15	Dest. <sup>3</sup>
INVLD DEST	Default destination on invalid action	20	16	Dest. <sup>3</sup>

Note:

<sup>1</sup> ANS DELAY and RETRY CNT for iDCS and OS500 systems both have values of 00–99

<sup>2</sup> There is a total of 12 tables (01-12) in the system, but not all tables have to be used.

<sup>3</sup> Destination =Station, Station Group, or AA Plan No.

## ACTION

## DISPLAY

1. Open programming and select **733**  
Display shows
2. Dial AA PLAN TABLE number 01–12 (e.g. 02)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial option number from above table (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Dial value (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

AA PLAN PROG(01)
DAY MSG :49

OR

AA PLAN PROG(01)
PLAN MSG1 :49

AA PLAN PROG(02)
DAY MSG :49

AA PLAN PROG(02)
NIGHT MSG :49

AA PLAN PROG(02)
NIGHT MSG :01

**Default Data:**

PLAN MSG1–6	: 49
DAY MSG	: 49
NIGHT MSG	: 49
ALTER MSG	: 49
INVLID MSG	: 64
NO ANS MSG	: 51
XFER MSG	: 53
BUSY MSG	: 52
NO STN MSG	: 50
NO ACT MSG	: 59
CAMP ON	: OFF
ANS DELAY TIME	: 01 SEC
RETRY CNT	: 3 (03)
TRANS TABLE	: 01
BUSY DEST	: 500
NO ANSWER DEST	: 500
NO ACT DEST	: 500
INVALID DEST	: 500

**Related Items:**

- MMC 406 Trunk Ring Assignment
- MMC 507 Assign Ring Plan Time (iDCS & OS500 systems)
- MMC 507 Assign Auto Night Time (Other systems)
- MMC 732 AA Translation Table
- MMC 734 AA Message Match

# MMC: 734

# AA MESSAGE MATCH

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Allows up to five recorded AA messages to be grouped together into a single transmission with its own identification number.

For example, messages 05+07+13+16+64 = **01** (identification number).

## ACTION

1. Open programming and select **734**  
Display shows
2. Dial the desired MSG identification number  
01-64 (e.g. 05)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial MSG numbers (01 - 64 ) recorded in AA card  
(up to 5)  
OR  
Press VOLUME keys to select and press RIGHT soft key  
  
(MMC will automatically insert '+' as a delimiter)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

AA MSG MATCH(01)  
01

AA MSG MATCH(01)  
05+

AA MSG MATCH(01)  
05+07+13+16+64

**Default Data:**           **MSG index number**

**Related Items:**       **MMC 607 UCD Options**  
                              **MMC 733 AA Plan Table**  
                              **MMC 736 Assign AA MOH**

# MMC: 735

## AA USE TABLE

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Assigns an AA PLAN TABLE to either an individual AA port or an AA group.

AA Plan Numbers are in the range 01 to 12.

Note that AA card port numbers differ between systems (see [Part 2, section 2.3, System Configuration: Quick Reference](#)).

### ACTION

1. Open programming and select **735**  
Display shows (e.g. for Compact II)
2. Dial AA number or AA group pilot number (e.g. 382)  
OR  
Press VOLUME to select and press RIGHT soft key
3. Dial AA PLAN number (e.g. 02)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC.

### DISPLAY

[381]AA PLAN  
PLAN NO : 01

[382]AA PLAN  
PLAN NO : 01

[382]AA PLAN  
PLAN NO : 02

**Default Data:** All ports and groups=Plan 01

**Related Items:** MMC 601 Assign Station Group  
MMC 733 AA Plan Table

# MMC: 736

# ASSIGN AA MOH

FOR:	DCS	CII	816	iDCS100	iDCS500	OS500
------	-----	-----	-----	---------	---------	-------

**Purpose:** Allows an AA MSG to be used as a Music-On-Hold (MOH) source.

Note that AA card port numbers differ between systems (see [Part 2, section 2.3, System Configuration: Quick Reference](#)).

## ACTION

1. Open programming and select **736**  
Display shows (e.g. for DCS)
2. Press RIGHT soft key to select MOH message
3. Dial AA message number for MOH 01–64  
(e.g. 20)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[3958]SET AAMOH MOH MSG: NOT USE
-------------------------------------

[3958]SET AAMOH MOH MSG: <u>NOT</u> USE
--

[3958]SET AAMOH MOH MSG: <u>20</u>
---------------------------------------

**Default Data:** NOT USE

**Related Items:** MMC 309 Assign Station Music On Hold  
MMC 408 Assign Trunk MOH Source  
MMC 607 UCD Options

# MMC: 737

# DECT SYSTEM CODE

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Identifies your DECT system and the handsets you register with your system.

The DECT System Code for your system is made up of two fields: the *System ID* which is three hexadecimal digits in the range 001 to 999; and the *Auth Code* (short for Authentication Code) which is four hexadecimal digits in the range 0000 to 9999. The default values are 000 and FFFF respectively.

**Important:**

***You must use this MMC to change the default values for the values you have been provided with by your supplier. If you do not change the defaults you will not be able to register handsets.***

Once you have entered your new System ID and Auth Code using this MMC you can then begin registering your handsets with the Auth Code. The system checks the Auth Code entered for each handset against the DECT Auth Code. If it is the same, the registration procedure continues; otherwise, the DCS rejects the registration procedure.

**Caution:** Only the system administrator and/or installer should be allowed access to change the DECT System Code and register handsets.

## ACTION

## DISPLAY

1. Open programming and select **737**  
Display shows
2. Press RIGHT soft key to move cursor and enter AUTH CODE (e.g. 1234)
3. Press RIGHT soft key and press VOLUME keys to select SYSTEM ID
4. Press RIGHT soft key to move cursor and enter SYSTEM ID (e.g. 567)
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

DECT SYSTEM CODE AUTH CODE : FFFF
--------------------------------------

DECT SYSTEM CODE AUTH CODE : 123 <u>4</u>
--

DECT SYSTEM CODE <u>S</u> YSTEM ID : 000
---

DECT SYSTEM CODE SYSTEM ID : 56 <u>7</u>
---

**Default Data:**

Auth Code	FFFF
System ID	000

***(These values must be changed by the installer)***

**Related Items:**

- MMC 738 DECT Clear Registration
- MMC 739 BSI Download
- MMC 741 BSI Card Restart
- MMC 742 BSI Status
- MMC 743 DBS Status
- MMC 744 DECT Registration On/Off
- MMC 745 BSI Carrier

# MMC: 738 DECT CLEAR REGISTRATION

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Deletes previously registered information for DECT handsets. This MMC has two modes:

- ❑ **FORCED:** When this mode is programmed, the system clears the registered information by force.
- ❑ **NORMAL:** Whenever the system wants to clear the registration of a DECT handset, the deletion must be confirmed from the handset. If the confirmation is successful, the system clears the registered information. (If the confirmation fails, the system cannot clear the information.)

## ACTION

## DISPLAY

1. Open programming and select **738**  
Display shows
2. Enter the number of the DECT handset to clear and press the RIGHT soft key to move the cursor
3. Select the de-registration (clear) mode using VOLUME keys (e.g. Normal) and press the RIGHT soft key to move the cursor
4. Enter 1 for YES (or 0 for NO) for DECT CLEAR OR  
Press VOLUME keys to select
5. Press Transfer/TRSF to store and exit OR  
Press SPEAKER to store and advance to next MMC

[7901]DECT CLEAR  
MODE: FORCED

[7901]DECT CLEAR  
MODE: FORCED

[7901]DECT CLEAR  
MODE: NORMAL

[7901]DECT CLEAR  
DECT CLEAR: YES

## Default Data:

## Forced mode

## Related Items:

MMC 737 DECT System Code  
MMC 739 BSI Download  
MMC 741 BSI Card Restart  
MMC 742 BSI Status  
MMC 743 DBS Status  
MMC 744 DECT Registration On/Off  
MMC 745 BSI Carrier

# MMC: 739

# BSI DOWNLOAD

FOR: DCS CI CII

**Purpose:** Downloads a new version of the DECT base station (DBS) software when you upgrade to a new version of BSI ROM.

(NB: This operation is performed automatically when new ROM is installed, so normally you should not need to run this MMC.)

## ACTION

1. Open programming and select **739**  
Display shows
2. Select the slot number using VOLUME keys,  
e.g. 3
3. Select the DBS number using VOLUME keys,  
e.g. 1
4. Press VOLUME keys to select download and  
confirm download

When downloading is in progress, the display  
shows

However, if a downloading failure occurs, the  
display shows

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

BSI SLOT:2 DBS:1  
DOWNLOAD? :NO

BSI SLOT:3 DBS:1  
DOWNLOAD? :NO

BSI SLOT:3 DBS:1  
DOWNLOAD? :NO

BSI SLOT:3 DBS:1  
DOWNLOAD? :YES

BSI SLOT:3 DBS:1  
ARE YOU SURE?YES

BSI SLOT:3 DBS:1  
DOWNLOADING

BSI SLOT:3 DBS:1  
DOWNLOAD FAIL

**Default Data:** None

**Related Items:** MMC 737 DECT System Code  
MMC 738 DECT Clear Registration  
MMC 741 BSI Card Restart  
MMC 742 BSI Status  
MMC 743 DBS Status  
MMC 744 DECT Registration On/Off



# MMC: 740

# STATION PAIR

FOR:	DCS	CI	CII	816	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	---------	---------	-------

**Purpose:** Allows a station (such as a DECT handset) to be assigned as a 'secondary' to a 'primary' keyphone station in the system. This will allow all features to be set or cancelled from either station, and both will ring when the 'primary' receives a call.

## ACTION

1. Open programming and select **740**  
Display shows
2. Enter the primary station number (e.g. 201)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Enter the secondary station number (e.g. 205)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] PRIMARY  
SECONDARY:NONE

[201] PRIMARY  
SECONDARY:NONE

[201] PRIMARY  
SECONDARY:205

**Default Data:**           **NONE**

**Related Items:**       **None**

# MMC: 741

# BSI CARD RESTART

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Restarts a BSI card or DECT base station (DBS). The DBS/BSI card will be restarted automatically.

## ACTION

1. Open programming and select **741**  
Display shows
2. Select the specific BSI slot number (or press the RIGHT soft key and select the specific DBS) using the keypad or the VOLUME keys  
OR  
Select all DBS ([see section 1.5.2](#))

Press the RIGHT soft key

3. Press VOLUME keys to select YES or NO and press RIGHT soft key
4. Confirm whether you want to restart by selecting YES or NO using the VOLUME keys, and press RIGHT soft key
5. Press Transfer/TRSF to exit  
OR  
Press SPEAKER to advance to next MMC

## DISPLAY

BSI SLOT : <u>1</u>	DBS : 1
RESTART ?	NO

BSI SLOT : <u>2</u>	DBS : 1
RESTART ?	NO

BSI SLOT : 2	DBS : 1
RESTART ?	<u>YES</u>

BSI SLOT : 2	DBS : 1
ARE YOU SURE ?	<u>YES</u>

**Default Data:**           **None**

**Related Items:**

- MMC 737 DECT System Code
- MMC 738 DECT Clear Registration
- MMC 739 BSI Download
- MMC 742 BSI Status
- MMC 743 DBS Status
- MMC 744 DECT Registration On/Off
- MMC 745 BSI Carrier

# MMC: 742

## BSI STATUS

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** (This is a read-only MMC.)

Shows the status of the BSI card(s).

### ACTION

### DISPLAY

1. Open programming and select **742**

Display shows:

BSI STATUS SUCC
--------------------

**For Compact II or iDCS100** - "SUCC" (successful) if status of BSI card is good, or "FAIL"

OR

OR

**For DCS** - "M" = Master, "S" = Slave (not used) "SUCC" (successful) if status of BSI card is good, or "FAIL"

BSI STATUS M:Succ S:NONE
-----------------------------

OR

OR

**For iDCS500 & OS500** - "SUCC" (successful) if status of BSI card is good, or "FAIL", or "NONE" if no card, for up to three cards

BSI STATUS M:NONE-SUCC-NONE
--------------------------------

(Note: 'M' systems support one BSI card only — same display as shown for DCS)

2. Press Transfer/TRSF to exit  
OR  
Press SPEAKER to advance to next MMC

**Default Data:**      **None**

**Related Items:**      **MMC 737 DECT System Code**  
**MMC 738 DECT Clear Registration**  
**MMC 739 BSI Download**  
**MMC 741 BSI Card Restart**  
**MMC 743 DBS Status**  
**MMC 744 DECT Registration On/Off**  
**MMC 745 BSI Carrier**

# MMC: 743

## DBS STATUS

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** (This is a read-only MMC.)

Checks status of DECT base stations (DBS).

### ACTION

1. Open programming and select **743**

The status of each DBS is displayed:  
If status is good, "1" is displayed  
If status is not good, "0" is displayed

**For DCS** - (DBS 1-8)

DBS : 12345678
STS : 11101100

OR

OR

**For Compact II or iDCS100** - (DBS 1-3)

DBS STATUS
1:1 2:1 3:0

OR

OR

**For iDCS500 & OS500** - (DBS 1-8)  
Up to three BSI cards (S:1, S:2, S:3)

DBS : 12345678 S:1
STS : 11101100

(Note: 'M' systems support one BSI card only)

Press VOLUME keys to scroll cards 1–3 and view status

2. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**      **None**

**Related Items:**      **MMC 737 DECT System Code**  
**MMC 738 DECT Clear Registration**  
**MMC 739 BSI Download**  
**MMC 741 BSI Card Restart**  
**MMC 742 BSI Status**  
**MMC 744 DECT Registration On/Off**

# MMC: 744 DECT REGISTRATION ON/OFF

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** Enables DECT handset registration on a telephone system. If this MMC is not opened and an attempt is made to register a DECT handset, an error message will be displayed. The default passcode for registration can be changed using [MMC 202, Change Feature Passcodes](#).

**Caution:** When you have finished registering handsets, run this MMC again to set the registration mode to **DISABLE**. This will prevent unauthorised access to this feature.

## ACTION

1. Open programming and select **744**  
Display shows
2. Enter passcode  
  
If the correct code is entered the display shows  
  
An incorrect code entry shows  
  
If the SYSTEM ID in MMC 737 (*DECT System Code*) has not been set, the message shown will be displayed
3. Dial 1 for ENABLE or 0 for DISABLE  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Press Transfer/TRSF to exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

ENABLE DECT REG.  
PASSCODE:

ENABLE DECT REG.  
PASSCODE:\*\*\*\*

ENABLE DECT REG.  
DISABLE

ENABLE DECT REG.  
PASSCODE ERROR

ENABLE DECT REG.  
NO REG. SYSTEM ID

ENABLE DECT REG.  
ENABLE

**Default Data:** **DISABLE**

**Related Items:** **MMC 202 Change Feature Passcodes**  
**MMC 737 DECT System Code**  
**MMC 738 DECT Clear Registration**  
**MMC 739 BSI Download**  
**MMC 741 BSI Card Restart**  
**MMC 742 BSI Status**  
**MMC 743 DBS Status**  
**MMC 745 BSI Carrier**

# MMC: 745

# BSI CARRIER

FOR:	DCS	CI	CII	iDCS100	iDCS500	OS500
------	-----	----	-----	---------	---------	-------

**Purpose:** A DECT base station uses one of 10 channels (FDMA technology). This MMC is used to allow or deny the use of each channel (carrier). By default, all carriers can be used by a base station.

Options: 1 Carrier can be used  
0 Carrier cannot be used

## ACTION

1. Open programming and select **745**

The display shows the status of each carrier (0–9):

If '1' is shown below a carrier, this carrier can be used by the base station

If '0' is shown below a carrier, this carrier cannot be used by the base station

2. Dial 1 or 0 for each carrier as required

3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

CARS:0123456789 SELS: 1111111111
-------------------------------------

CARS:0123456789 SELS: 11 <u>0</u> 1111111
--

**Default Data:** 1111111111 (all carriers selected)

**Related Items:**

- MMC 202 Change Feature Passcodes
- MMC 737 DECT System Code
- MMC 738 DECT Clear Registration
- MMC 739 BSI Download
- MMC 741 BSI Card Restart
- MMC 742 BSI Status
- MMC 743 DBS Status
- MMC 744 DECT Registration On/Off

# MMC: 746

# COSTING DIAL PLAN

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** The Costing Dial Plan is used to analyse the leading dialled digits of a number and determine what Dial Plan it is to follow. The entries are as follows.

**COST DP:** Up to 500 entries can be made.

**DIGITS:** Each entry can be up to 10 digits. These are the entries that will be searched to find a match with the digits dialled by the station making the call. This is a leading digits table and the system will look for the exact leading digits in the table that match the number dialled. For example, if a user dials 1305 and the Costing Dial Plan contains 1, 1308 and 1312, the dialled digits will be matched to 1 because 1308 and 1312 do not form a complete match. When this table is created or when any new entries are added, the system automatically places all entries in numerical order.

No number conflicts (e.g., 142 and 1429) are allowed. Wild cards (X, Y, Z) can be used to represent any digit and are defined in [MMC 704](#). When all entries are used, [LAST ENTRY] is displayed.

**CALL RATE:** This is one of eight (1–8) cost rates used by [MMC 433 \(Trunk Cost Rate\)](#), to determine the correct billing according to [MMC 747 \(Rate Calculation Table\)](#).

## **Examples**

When a station user dials a number, the system will search the Costing Dial Plan to find a match. If 13056 is dialled and this MMC contains entries 1, 13, 1305 and 1401, then 1305 is the closest match and this entry will be selected. If 1305 is dialled and this MMC contains entries 1, 13, 13056 and 1401, no action will be taken until the station user dials another digit. If the next digit is 6, the 13056 entry will be selected, but if the next digit is anything other than 6, the 13 entry is selected as the closest match.

Whenever a new entry is added, the system will sort all entries in numerical order because this is the logical order in which the system analyses digits. Wild cards are checked after exact digits. If 1813 and 18XX are entered, the system will check 1813 first. If no match is found, it will check 18XX.

**ACTION**

**DISPLAY**

1. Open programming and select **746**
2. Dial Call Cost entry (e.g., 005)  
OR  
Press VOLUME keys to select entry and press  
RIGHT soft key to move cursor
3. Enter digit string via the dial keypad (e.g. 1305)  
and press RIGHT soft key
4. Enter Dial Plan 1–8 e.g. 7 and press LEFT soft key  
to return to step 3 or RIGHT soft key to return to  
step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

COST DP	(001)
DIGIT:	

COST DP	(005)
DIGIT: _	

COST DP	(005)
DIGIT:130 <u>5</u>	

COST DP	(005)
CALL RATE: <u>7</u>	

**Default Data:**           **None**

**Related Items:**       **MMC 202 Change Feature Passcodes**  
                          **MMC 433 Trunk Cost Rate**  
                          **MMC 747 Rate Calculation Table**



# MMC: 747 RATE CALCULATION TABLE

FOR: **iDCS100** **iDCS500** **OS500**

**Purpose:** Defines the billing charges for each phone call cost rate. There are eight call cost rates. Each rate has the following data fields.

**First Interval Duration:** The amount of time at the beginning of each call to which a fixed cost is applied. The range is 0 to 999 seconds; for example, 180 seconds (three minutes).

**First Interval Cost:** The cost for the first interval duration. The range is 0–999 pence (or cents if the 'Use Euro' option is set on in [MMC 210](#)). For example, 100 is £1.00 or 1 Euro.

**Second Interval Duration:** The duration of each billing increment after the first interval has expired. The range is 0–999 seconds; for example, 006 seconds (six seconds).

**Second Interval Cost:** The cost for each billing increment. The range is 0–999 pence (or cents if the 'Use Euro' option is set on in [MMC 210](#)). For example, 025 is £0.25 or 25 Pence.

**Surcharge:** This is a one-time charge applied to a call over and above the time charges. The range is 0–999 pence (or Pence).

## ACTION

## DISPLAY

1. Open programming and select **747**
2. Dial Cost Rate number 1–8 (e.g., 3)  
OR  
Press VOLUME keys to select and press RIGHT soft key  
OR  
Select all rates ([see section 1.5.2](#))
3. Enter First Interval Duration in seconds, e.g. 060 (one minute) and press VOLUME UP key
4. Enter First Interval Cost, e.g. 125 using the keypad and press VOLUME UP key
5. Enter Second Interval Duration in seconds, e.g. 006 (six seconds) and press VOLUME UP key
6. Enter Second Interval Cost, e.g. 030 using the keypad and press VOLUME UP key

COST RATE (1)  
1ST DUR :000 SEC

COST RATE (3)  
1ST DUR :000 SEC

COST RATE (3)  
1ST DUR:060 SEC

COST RATE (3)  
1ST COST:125

COST RATE (3)  
2ND DUR:006 SEC

COST RATE (3)  
2ND COST:030

7. Enter SURCHARGE, e.g., 100

COST RATE (3) SURCHARGE :100 C
-----------------------------------

8. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**        **None**

**Related Items:**        **MMC 110 Station On/Off (Call Cost option)**  
                              **MMC 433 Trunk Cost Rate**  
                              **MMC 746 Costing Dial Plan**

# MMC: 750

# VM CARD RESTART

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Determines whether mailboxes are set up according to the data set in [MMC 751, Assign Mailbox](#), when the Voice Mail card is restarted. The options are:

## DOWNLOAD

When the card starts, part of the power-up procedure will download data from the system to determine time, date, what mailboxes to create, and the system numbering plan. This must be done at least once, but when done this download feature can be turned off to save boot-up time.

## CARD RESTART

If this option is set to YES, the card will immediately restart according to the Download option specified above.

## VIRTUAL NUM DOWN

If set to YES, the voicemail will create subscribers for the virtual ports when defaulted.

## ACTION

1. Open programming and select **750**  
Display shows
2. Dial 1 for YES or 0 for NO (download)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial 1 for YES or 0 for NO (restart)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

VM CARD RESTART DOWNLOAD    ? <u>Y</u> ES
--

VM CARD RESTART CARD RESTART? <u>N</u> O
---

VM CARD RESTART CARD RESTART? <u>Y</u> ES
--

**Default Data:**            **DOWNLOAD=YES**  
                                 **CARD RESTART=NO**  
                                 **VIRTUAL NUM DOWN=YES**

**Related Items:**            **MMC 751 Assign Mailbox**

# MMC: 751

# ASSIGN MAILBOX

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Assigns mailboxes to each station or station group. Mailboxes are assigned to all stations or groups flagged as YES in this MMC if DOWNLOAD=YES is set in [MMC 750](#) during VM card start-up.

New boxes can be added through Voice Mail administration or by using this MMC.

## ACTION

## DISPLAY

1. Open programming and select **751**  
Display shows
2. Dial station or group number (e.g. 302)  
OR  
Press VOLUME keys to select station and press RIGHT soft key
3. Dial 0 for NO or 1 for YES  
OR  
Press VOLUME keys to select and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

ASSIGN MAIL BOX
[301] YES

ASSIGN MAIL BOX
[302] <u>Y</u> ES

ASSIGN MAIL BOX
[302] <u>Y</u> ES

**Default Data:**      **All stations=YES**  
                             **All groups=NO**

**Related Items:**      **MMC 750 VM Card Restart**

# MMC: 752

## AUTO RECORD

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Specific stations can be assigned to automatically record conversations. Options for recording are:

Station number (STN)

Mailbox (MB)

Voice Mail port

Call type: all incoming calls (I), all outgoing calls (O), or both incoming and outgoing calls (B).

A maximum of eight stations can be assigned at any one time.

**Caution: Samsung is not responsible for any illegal use of this feature.**

### ACTION

### DISPLAY

1. Open programming and select **752**  
Display shows
2. Dial station number (e.g. 302)  
OR  
Press VOLUME keys to select station and press RIGHT soft key
3. Dial mailbox number (e.g. 341)  
OR  
Press VOLUME keys to select mailbox and press RIGHT soft key
4. Dial Voice Mail port number (e.g. 519)  
OR  
Press VOLUME keys to select port and press RIGHT soft key
5. Press VOLUME keys to select call type I, O or B (e.g. B) and press RIGHT soft key
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

AUTO RECORD  
STN: 301 MB: NONE

AUTO RECORD  
STN: 302 MB: NONE

AUTO RECORD  
STN: 302 MB: 341

AUTO RECORD  
PORT: 519 CALL:I

AUTO RECORD  
PORT: 519 CALL:B

**Default Data:** MB = NONE, PORT = NONE, CALL = I

**Related Items:** None

# MMC: 753

# WARNING DESTINATION

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Provides an emergency destination for calls to Voice Mail if the card is removed or off-line. The destination can be a station number or a group number. Any station call that is forwarded to Voice Mail will remain ringing at the forwarding station until answered.

Note: The destination is the same as the VM ALARM mailbox in [MMC 755](#).

## ACTION

1. Open programming and select **753**  
Display shows default destination
2. Dial destination number (e.g., 213)  
OR  
Press VOLUME keys to scroll to number
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

WARNING DEST. DEST: <u>5</u> 00
------------------------------------

WARNING DEST. DEST: <u>2</u> 13
------------------------------------

**Default Data:**           **WARNING DESTINATION = 500**

**Related Items:**       **MMC 500 System-Wide Counters (Alarm Reminder Counter)**

# MMC: 754

# VM HALT

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Ensures that there are no calls on the card and takes the card off-line. You cannot halt the card using MMC 810 (Halt Processing).

## ACTION

1. Open programming and select **754**  
Display shows
2. Dial 1 to halt (HALT) or 0 not to halt (PROC)  
OR  
Press VOLUME keys to select  
  
Press RIGHT soft key
3. Press VOLUME keys to select YES or NO  
(YES will take the card off-line)  
  
Press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

VM HALT  
STATUS: PROC

VM HALT  
STATUS: HALT

VM HALT  
ARE YOU SURE? YES

**Default Data:**      **None**

**Related Items:**      **None**

# MMC: 755

# VM ALARM

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Generates an alarm message in a mailbox, defined in [MMC 753](#), when the Voice Mail card hard disk drive or flash memory reaches a selected 'threshold' (percentage of capacity). You select the threshold in this MMC—the range is 00–99%.

For example, if you select a threshold of 70, an alarm message is generated if more than 70% of capacity is reached. Refer to your Voice Mail documentation for more information.

## ACTION

1. Open programming and select **755**  
Display shows
2. Enter new threshold value using keypad (e.g. 85)  
OR  
Press VOLUME keys to select threshold value  
  
Press RIGHT soft key
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

VM ALARM THRESHOLD:80
--------------------------

VM ALARM THRESHOLD:85
--------------------------

**Default Data:**      **THRESHOLD=80%**

**Related Items:**      **MMC 753 Warning Destination**



# MMC: 756

## ASSIGN VM MOH

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Assigns a Voice Mail port as a Music-On-Hold (MOH) source. The source will be one of the sound files stored in the card's memory. Once assigned, the port cannot be used for VM/AA applications. Refer to your Voice Mail documentation for more information.

### ACTION

1. Open programming and select **756**  
Display shows
2. Press VOLUME keys to select port and press  
RIGHT soft key
3. Press VOLUME keys to select MOH file  
number (00–99\*) and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

SET VM MOH
<u>7</u> 17 : NOT USED

SET VM MOH
717 : <u>N</u> OT USED

SET VM MOH
717 : <u>0</u> 1

\* Note: nos. 00–99 are equivalent to Voice Mail card file nos. 5000–5099

**Default Data:** NOT USED

**Related Items:** None

# MMC: 757

## VM IN/OUT

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	-----	-----	---------	---------	-------	--

**Purpose:** Defines which Voice Mail ports are used for incoming calls, outgoing calls, or both. Options are:

IN  
OUT  
IN/OUT

Any port set as an MOH port in [MMC 756](#) will display as "MOH" in MMC 757 and cannot be changed in this MMC.

### ACTION

1. Open programming and select **757**  
Display shows
2. Dial port number (e.g. 718)  
OR  
Press VOLUME keys to select  
  
Press RIGHT soft key
3. Press VOLUME keys to select option  
(e.g. IN) and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

VM IN/OUT
<u>7</u> 17 : IN/OUT

VM IN/OUT
718 : <u>I</u> N/OUT

VM IN/OUT
718 : <u>I</u> N

**Default Data:** IN/OUT

**Related Items:** None

# MMC: 758

# VM DAY/NIGHT

FOR:	iDCS100	iDCS500	OS500	Cadence, SVMi-4, SVMi-8, SVMi-16, SVM-400
------	---------	---------	-------	--

**Purpose:** The Voice Mail (VM) card can operate in either a DAY or NIGHT mode. The mode will determine what main menu greetings and options are played to callers.

The mode can change automatically (if enabled in the VM card) according to the setting in this MMC. The option for DAY or NIGHT is entered for each ring plan 1–6 as required.

Refer to your Voice Mail documentation for more information.

## ACTION

## DISPLAY

1. Open programming and select **758**  
Display shows
2. Press VOLUME keys to select ring plan (e.g. 2)  
and press RIGHT soft key
3. Press VOLUME keys to select option DAY/NIGHT  
(e.g. NIGHT)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

VM DAY/NIGHT
RING 1 : DAY

VM DAY/NIGHT
RING 2 : DAY

VM DAY/NIGHT
RING 2 : NIGHT

**Default Data:** All ring plans=DAY

**Related Items:** MMC 507 Assign Ring Plan Time

**MMC: 760****ITEM COST TABLE**

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** Assigns a code to all Hotel items along with a name (up to 10 characters) for each item. There is a maximum of 100 entries (00–99) in the table. Items 00 and 01 are reserved as the codes for deposits, and items 89–99 reserved for other PMS stream items (see *Predefined Codes*, below). All other codes (02–88) can be assigned here. All item codes, with the exception of codes 93 to 99, will appear on the guest's bill at check-out and will serve to identify what each charge on the bill is for. The room bill, when printed, will also show telephone calls with an item designation of TEL and the name field will show the number dialed. In addition to the name, up to eight of the tax codes or rates defined in [MMC 761](#) can be applied to each item.

Refer to your *Samsung Hotel* documentation for more details.

**PREDEFINED CODES**

Item	Description	Use
00	RM Deposit	Used for room pre-pay deposits
01	PH Deposit	Used for phone pre-pay deposits
89	W/UP SET	A wake up call was set
90	W/UP ANS	A wake up call was answered
91	W/UP N/ANS	A wake up call was not answered
92	W/UP CANCL	A wake up call was cancelled
93	Check In	A guest has checked into a room
94	Check out	A guest has checked out of a room
95	Available	Room flagged as Available
96	Occupied	Room flagged as Occupied
97	Clean Room	Room flagged as Needs Cleaning
98	Fix Room	Room flagged as Needs Maintenance
99	Hold	Room flagged as on Hold

**OTHER CODES**

Codes 02–88 can be defined as, for example, Double (room), Single (room), Room Service, etc.

**ITEM NAMES**

Names for items are written using the keypad. Each key press moves the cursor and enters the selected character.\* For example, if the item name is "ROOM COST", press the number "7" three times to get the letter "R". Now press the number "6" three times to get the letter "O". Continue selecting characters from the keypad to complete your name. Press the programmable ["A" key](#) to toggle between upper and lower case text. (Refer to [section 1.5.2](#) in Part 1 for key descriptions).

\* **Tip:** When the character you want is on the same key as the previous character you typed in, press the VOLUME UP key to move the cursor to the right, then select the character.

The # key can be used for the following special characters (in sequence of key presses):

#	space	&	!	:	?	.	,	%	\$	-	<	>	/	=
[	]	@	^	(	)	_	+	{	}		;	"	→	`

**ACTION**

**DISPLAY**

1. Open programming and select **760**  
Display shows
2. Enter code number, e.g., 05  
OR  
Press VOLUME keys to select code and press  
RIGHT soft key
3. Enter item name (e.g. ROOM COST)
4. Press RIGHT soft key to move cursor to tax entry
5. Enter the tax rates that apply to this item (enter  
"1" for each) and press RIGHT soft key to return  
to step 2
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

ITEM CODE (00)  
NAME:RM Deposit

ITEM CODE (05)  
NAME: \_

ITEM CODE (05)  
NAME:ROOM COST

ITEM CODE (05)  
TAXES:00000000

ITEM CODE (05)  
TAXES:11000000

**Default Data:**        **None**

**Related Items:**        **MMC 221 Extension Type**  
                              **MMC 761 Tax Rate Setup**

# MMC: 761

# TAX RATE SETUP

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** Sets up the eight tax rates used in [MMC 760](#). Each tax rate can be defined as described below. In addition, a name (up to 10 characters) may be used to define the purpose of the tax. The options are:

**TAX RATE:** The number assigned to this tax rate. The tax rates are numbered 1 to 8 to match the rate field in MMC 760, counting from left to right.

**TYPE:** The type of tax. Defines if the value is added as a percentage (%) of the cost of an item, is included as a percentage of the cost of the item (I) or is added as a fixed currency value to an item (C). For example, % = service charge, I = VAT, C = admin.

**VALUE:** The actual tax rate that will be applied to the item cost.

**NAME:** The name (up to 10 characters) that will be displayed on the room bill alongside the tax (e.g. VAT, Service Charge).

Names are entered using the keypad. (Refer to the description "Item Names" in [MMC 760](#).)

## ACTION

## DISPLAY

1. Open programming and select **761**  
Display shows

TAX RATE (1)
TYPE:% VAL:00.00

2. Enter valid tax rate number (1–8)  
OR  
Press VOLUME keys to select number and press RIGHT soft key

TAX RATE (1)
TYPE: <u>%</u> VAL:00.00

3. Dial 0 for '%' or 1 for 'C' or 2 for 'I' (e.g. 2)  
OR  
Press VOLUME keys to select type and press RIGHT soft key

TAX RATE (1)
TYPE:I VAL: <u>00</u> .00

4. Enter the tax rate value via the keypad (e.g. 17.5)  
If entry is valid, the system advances cursor

TAX RATE (1)
TYPE:I VAL:17.50

5. Enter tax name (e.g. VAT) and press right soft key to return to step 2

TAX RATE (1)
NAME:VAT

6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:** All rates=%

**Related Items:** MMC 760 Item Cost Table

# MMC: 762

# ROOM COST RATE

FOR:	DCS	CII	iDCS100	iDCS500	OS500	Hotel application only
------	-----	-----	---------	---------	-------	------------------------

**Purpose:** Sets up room cost rates for each day of the week. Each room cost rate can be assigned with the percentage of the room cost from Sunday to Saturday.

**For Example:**

In this MMC you decide to set SAT=150%, SUN=150%, MON=090%, TUE–FRI=100%

During the check-in procedure for a guest, if you set £100 for the room cost, the real room cost will be £150 on Saturday and Sunday, £90 on Monday and £100 from Tuesday to Friday.

## ACTION

1. Open programming and select **762**  
Display shows
2. Dial day number (0-6 for SUN–SAT, e.g., 2)  
OR  
Press VOLUME keys to select day and press  
RIGHT soft key
3. Enter room cost rate (001–999, e.g. 090)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

RM COST RAT ( <u>S</u> UN) 100% :
--------------------------------------

RM COST RAT (TUE) 100% :_
------------------------------

RM COST RAT (TUE) 100% :090
--------------------------------

**Default Data:**      **All rates=100%**

**Related Items:**      **MMC 760 Item Cost Table**

# MMC: 800

# ENABLE TECHNICIAN PROGRAM

**FOR:** ALL SYSTEMS

**Purpose:** Opens and closes system-level (technician) programming. If programming is not opened and an attempt is made to access a system MMC, the error message "ACCESS DENIED" will be displayed.

A 4-digit passcode is required to access this MMC (which can be changed in [MMC 801](#)). When opened, this MMC enables access to all MMCs.

The procedure below describes how to open programming.

## ACTION

1. Press **Transfer/TRSF 800**  
Display shows

2. Enter passcode

**DCS, iDCS500 & OS500 only** – Correct code shows (to allow you to select a tenant)

OR

**Other systems** – Correct code shows

If you enter an incorrect code, you see this display and you return to the passcode entry display so you can try again

3. Enter 1 to enable or 0 to disable  
OR  
Press VOLUME keys to select

**DCS, iDCS500 & OS500 only** - Press RIGHT soft key to move to TENANT field and enter number (1–2)

4. Press SPEAKER to advance to MMC entry level

## DISPLAY

ENABLE TECH.PROG  
PASSCODE:

ENABLE TECH.PROG  
PASSCODE: \*\*\*\*

ENABLE TECH.PROG  
DISABLE TENANT:1

OR

ENABLE TECH.PROG  
DISABLE

ENABLE TECH.PROG  
PASSCODE ERROR

ENABLE TECH.PROG  
ENABLE TENANT:1

OR

ENABLE TECH.PROG  
ENABLE

ENABLE TECH.PROG  
ENABLE TENANT:2

801:TEC.PASSCODE  
SELECT PROG.ID



5. Enter the MMC required and begin programming.  
Follow the instructions for that MMC.

## **Disabling (Closing) Programming Mode**

If you wish to immediately close programming mode when you have finished programming:

- Return to MMC 800. The display shows that programming is enabled.
- Use the VOLUME keys to select DISABLE and press Transfer/TRSF to exit.

If you do not close programming using MMC 800, programming mode will be automatically disabled if you do not carry out any programming tasks within the time set in the system timer KMMC LOCK OUT (see [MMC 501, System-Wide Timers](#)).

**Default Data:**            **DISABLE (closed)**  
                                 **Passcode=4321**

**Related Items:**        **MMC 801 Change Technician Passcode**

# MMC: 801

## CHANGE TECHNICIAN PASSCODE

**FOR:** ALL SYSTEMS

**Purpose:** Changes the passcode which allows access to [MMC 800 \(Enable Technician Program\)](#) from its current value.

Note: The passcode is four digits long. The current or “old” passcode is required for this MMC.

### ACTION

1. Open programming and select **801**
2. Enter new passcode
3. Enter new passcode again to verify
4. If verification succeeds, press RIGHT soft key to continue and enter desired MMC  
  
If verification fails, display shows “Failure” and system returns to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to advance to MMC

### DISPLAY

TECH. PASSCODE  
NEW CODE:\_

TECH. PASSCODE  
NEW CODE:\*\*\*\*

TECH. PASSCODE  
VERIFY :\*\*\*\*

TECH. PASSCODE  
VERIFY :SUCCESS

TECH. PASSCODE  
VERIFY :FAILURE

**Default Data:** Default passcode = 4321

**Related Items:** MMC 800 Enable Technician Program

# MMC: 802

# CUSTOMER ACCESS MMC NUMBER

**FOR:** ALL SYSTEMS

**Purpose:** Allows the installer to designate to which MMCs the system administrator (or “customer”) has access. For example, it is advised that the customer has access to MMC 102, *Call Forward*, for call forwarding but it is not advised that the customer has access to MMC 710, *LCR Digit Table*, for LCR dial plans.

NOTE: MMC 802 is for both tenants on DCS, *iDCS500* and OS500 systems.)

## ACTION

## DISPLAY

1. Open programming and select **802**  
Display shows

CUSTOMER ACCESS  
100:STN LOCK:YES

OR

***DCS, iDCS500 and OS500 systems only—go to step 2***

CUST.USE MMC : (1)  
100:STN LOCK:YES

***Other systems—go to step 3***

2. Enter desired tenant number (1–2)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor

CUST.USE MMC : (1)  
100:STN LOCK:YES

3. Enter desired MMC number (e.g. 102)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor

CUSTOMER ACCESS  
102:CALL FWD:YES

4. Enter 1 for YES or 0 for NO  
OR  
Press VOLUME keys to make selection and press LEFT soft key to return to step 3 to make additional entries

CUSTOMER ACCESS  
102:CALL FWD:NO

5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:** Customers have default access to the following MMCs:

100–119, 121, 201, 202, 209, 211–14, 216, 300–306, 308, 309, 312, 315, 317, 404–406, 408–412, 414–416, 421, 500, 502, 505, 508, 512, 600–602, 604, 606, 607, 705–708, 714, 715, 720–722, 725, 727, 728.

**Related Items:** None

# MMC: 803

# ASSIGN TENANT GROUP

**FOR:** DCS iDCS500 OS500

**Purpose:** Assigns tenant groups on a per-cabinet, slot and port basis. The simple rule is Cabinet-Slot-Port=Tenant. The only information needed is the correct correlation of entries.

## ACTION

1. Open programming and select **803**  
Display shows
2. Enter cabinet (C) number (if no change, press RIGHT soft key to move cursor)
3. Enter slot (S) number (if no change, press RIGHT soft key to move cursor)
4. Enter port (P) number (if no change, press RIGHT soft key to move cursor)
5. Enter tenant (T) number (if no change, press RIGHT soft key to return to step 2)
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

TENANT GROUP  
C:1 S:1 P:01 T:1

OR

TENANT GROUP  
C:1 S:1 -01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

TENANT GROUP  
C:1 S:1 P:01 T:1

**Default Data:** All assignments tenant 1

**Related Items:** Tenant group

# MMC: 804 SYSTEM I/O PARAMETER

**FOR:** ALL SYSTEMS

**Purpose:** Sets parameters for the system I/O ports to work with one of the following:

- a personal computer (PC)
- Station Message Detail Recording (SMDR)
- UCD statistics report/periodic UCD information (except 408/408i)
- Computer-Telephony—TSAPI—Interface (CTI)

System	No. of I/O Ports
DCS, CII, 816	Two ports (Ports 1 and 2)
408/408i	One port (Port 1)
iDCS500	Up to five ports available on an iDCS500 with a LAN module. The fifth port is used for internal modem control. If no LAN module is installed, three ports are available and the third port is used for internal modem control.
iDCS100	Up to three ports available on an iDCS100. Two are supplied on the MISC 1 or MISC 2 card and one on a MEM4 card.
OS500	Three ports (Ports 2, 3 and 5). Port 5 is used for internal modem control.

Use the tables below to customise I/O ports.

## PARAMETER OPTIONS

Dial 0	Service	Type of Service
Dial 1	Baud Rate	Speed
Dial 2	Char Length	Character Length
Dial 3	Parity	Parity Bit
Dial 4	Retry Count	Number of Retries
Dial 5	Stop Bit	Stop Bit
Dial 6	Wait Time	Message Wait Time
Dial 7	DSR Check	DSR Check on/off ( <i>all systems except DCS</i> )
	or	
	SIM Pair	No. of the station connected to the Serial Interface Module (SIM) ( <i>DCS systems only</i> )

## SERVICE TYPE

Each port can be set to one of the following service types. Note that the services available depend on the type of system being programmed. No two ports can be programmed with the same service type.

Type	Description
PC-MMC	PC application
SMDR	SMDR report (call logging)
UCD REPT	UCD report on request by the supervisor, or daily
UCD/SMDR	Both SMDR and UCD report will be generated
CTI	Dedicated Switch Link Interface
CTI/SMDR	CTI and SMDR
CTI/UCD	CTI and UCD
CTI/S/U	CTI, SMDR and UCD

TRAFFIC	Traffic report
TRF/SMDR	Traffic report and SMDR
ALARM	Alarm report
ALM/TRAF	Alarm report and Traffic report
PERI UCD	Periodic UCD report
HM REPT	Hotel report
PMS	PMS report
PMS SMDR	PMS report and SMDR
BD-PMS	Bi-directional PMS
REMO M/A	Remote Maintenance & Administration*

(\* **not** remote PCMMC)

#### SPEED (BPS)

Speed	Dial				
	DCS/CII/816	408/408i	iDCS500	iDCS100	OS500
600	0	—	—	—	—
1200	1	2	—	0	—
2400	2	3	—	1	—
4800	3	4	0	2	0
9600	4	5	1	3	1
19200	5	—	2	4*	2
38400	—	—	3	—	3

\* System with LAN interface only

#### CHARACTER LENGTH

Dial 7	7 bits
Dial 8	8 bits

#### PARITY

Dial 0	None
Dial 1	Odd
Dial 2	Even

#### RETRY COUNT

01–99

#### STOP BIT

Dial 1	1 bit
Dial 2	2 bit

#### WAIT TIME

0000–3600 msec

#### DSR CHECK

ON/OFF

## ACTION

1. Open programming and select **804**  
Display shows
2. Enter port number (e.g. 2)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
3. Enter parameter option from the above option list  
(e.g. 1)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to move cursor
4. Enter desired value (e.g. 19200 bps)  
OR  
Press VOLUME keys to display value and press  
RIGHT soft key to return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

SYS I/O PORT (1) SERVICE:PC-MMC
------------------------------------

SYS I/O PORT (2) <u>S</u> ERVICE:SMDR
--

SYS I/O PORT (2) BAUD: <u>9</u> 600 BPS
--

SYS I/O PORT (2) <u>B</u> AUD:19200 BPS
--

## Default Data:

Option	DCS/CII/816	408/408i	iDCS500	iDCS100	OS500
Service Type	1 PCMMC 2 SMDR	1 SMDR	1 PCMMC 2 SMDR 3 (to 5) NOT USED	1 PCMMC 2 SMDR 3 NOT USED	2 PCMMC 3 SMDR 5 NOT USED
Baud Rate (bps)	9600	9600	19200	19200	19200
Char Length (bits)	8	8	8	8	8
Parity	None	None	None	None	None
Retry Count	03	03	03	03	03
Stop Bit	1	1	1	1	1
Wait Time (msec)	3000	3000	3000	3000	3000
DSR Check	Off (not DCS)	Off	Off	Off	Off
SIM Pair	None (DCS)	—	—	—	—

**Related Items:**      **MMC 725 SMDR Options**

# MMC: 805

# TX LEVEL AND GAIN

**FOR:** ALL SYSTEMS

**Purpose:** Sets the base level of TX volume and the TSW gain control for time-switch connect types.

Options are:

TX LEVEL CONTROL  
TSW GAIN CONTROL

iDCS500 and OS500 systems also provide a MISC TSW GAIN control option for Background Music and Music-On-Hold.

**Caution:** You should only change the default values under the supervision of Technical Support.

## ACTION

## DISPLAY

1. Open programming and select **805**  
Display shows
2. Press VOLUME keys to select TX LEVEL CONTROL or MISC TSW GAIN or TSW GAIN CONTROL  
OR  
Press RIGHT soft key to select option  
  
If you selected TX, go to step 3  
If you selected TSW, go to step 5  
If you selected MISC TSW, go to step 7

TX LEVEL CONTROL  
LEVEL 0 → 1

3. Press RIGHT soft key to go to the volume level  
OR  
Press VOLUME keys to go to next volume level

TX LEVEL CONTROL  
LEVEL 0 → 1

Enter desired level index (e.g. 1)  
OR  
Press VOLUME keys to select and press RIGHT soft key

TX LEVEL CONTROL  
LEVEL 1 → 2

4. Enter desired volume level (e.g. 3)  
OR  
Press VOLUME keys to select and press RIGHT soft key

TX LEVEL CONTROL  
LEVEL 1 → 3

(System returns to step 2. Go to step 8 if finished.)



5. Press RIGHT soft key to go to the TSW GAIN CONTROL type  
OR  
Press VOLUME keys to go to next TSW type
6. Press VOLUME keys to select TSW gain data  
Press RIGHT soft key to go back to step 4, or go to step 7 if finished
7. Press RIGHT soft key to go to the volume level  
Enter the value 0–7 (system returns to step 2)  
OR  
Press VOLUME keys to select and press RIGHT soft key to return to step 2
8. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

TSW GAIN CONTROL SLT → SLT: + <u>0</u> .0
--

TSW GAIN CONTROL SLT → SLT: + <u>2</u> .0
--

MISC TSW GAIN BGM/MOH : <u>1</u>
-------------------------------------

**Default Data:**            **Depends on system**

**Related Items:**        **None**

# MMC: 806

# CARD PRE-INSTALL

FOR:	DCS	CI	CII	816	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	---------	---------	-------

**Purpose:** Pre-programmes a slot for a specific card. For example, after the system is installed and a new card is added, you should run this program for the system to accept the card. Programming of ports, extensions, trunks etc, must be done in [MMC 724](#).

The procedure differs slightly for each type of system, as described below.

## ■ DCS PROCEDURE

### ACTION

1. Open programming and select **806**  
Display shows
2. Enter cabinet number (e.g., 3)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
3. Enter slot number (e.g., 5)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

C1-01 :INSTALL  
PRITRK →PRITRK

C3-01 :INSTALL  
PRITRK →PRITRK

C3-05 :INSTALL  
DLI → DLI

## ■ COMPACT II & iDCS100 PROCEDURE

### ACTION

1. Open programming and select **806**  
Display shows
2. Press VOLUME keys to select slot number
3. Press RIGHT soft key to change previous card type
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

O.SLI SLOT  
O.2SLI →O.2SLI

EXP.1 SLOT  
6DLI →8DLI

EXP.1 SLOT  
8DLI →8DLI

## ■ 816 PROCEDURE

### ACTION

1. Open programming and select **806**  
Display shows
2. Press RIGHT soft key to change previous card type
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

EXP. SLOT NONE →NONE
-------------------------

EXP. SLOT NONE →8TRK
-------------------------

## ■ iDCS500 & OS500 PROCEDURE

The MMC also displays the power supply unit feeding the card (P).

### ACTION

1. Open programming and select **806**  
Display shows
2. Enter cabinet number (e.g., 1)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to move cursor
3. Enter slot number (e.g., 3)  
OR  
Press VOLUME keys to make selection and press RIGHT soft key
4. Press VOLUME keys to select YES (or NO)
5. Press VOLUME keys to select YES (or NO) to confirm
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

C:1-S:1 P:N[00] PRITRK →PRITRK
-----------------------------------

C:1-S:1 P:N[00] 16 DLI →16 DLI
-----------------------------------

C:1-S:3 P:N[00] 4 TRK →4 TRK
---------------------------------

C:1-S:3 P:N[00] RESET CARD ? <u>Y</u> ES
---

C:1-S:3 P:N[00] ARE YOU SURE? <u>Y</u> ES
--

**Default Data:**           **None**

**Related Items:**       **MMC 724 Dial Numbering Plan**

# MMC: 807

# VOLUME CONTROL

**FOR:** ALL SYSTEMS

**Purpose:** Sets the volume levels for the following keyset features:

KEY TONE	NOISE THRES
SIDETONE	ALC THRES
HANDSET TX	TX/RX THRES
MIC TX LEVEL	TX/RX COMP
NOISE GUARD	MIN RX VOL*

(\* iDCS 28D keysets only)

**Caution:** You should change these values only under the supervision of Technical Support.

## ACTION

## DISPLAY

1. Open programming and select **807**  
Display shows (e.g. DCS)
2. Press RIGHT soft key to move cursor
3. Press VOLUME keys to select feature (e.g. SIDE TONE VOL) and press RIGHT soft key
4. Press VOLUME keys to select volume and press LEFT soft key
5. Repeat step 3 to select and change other volume levels  
OR  
Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

VOL.CONTROL:DGP  
KEY TONE VOL :1

VOL.CONTROL:DGP  
KEY TONE VOL :1

VOL.CONTROL:DGP  
SIDE TONE VOL:1

VOL.CONTROL:DGP  
SIDE TONE VOL:2

## Default Data:

KEY TONE VOL	1	NOISE THRES.	1
SIDETONE VOL	1	ALC THRES.	7
HANDSET TX	3	TX/RX THRES.	3
MIC TX LEVEL	3	TX/RX COMP.	5
NOISE GUARD	8	MIN RX VOL	6

**Related Items:** None

# MMC: 808

# T1 TRUNK CODING

Not Used in the UK / EU

# MMC: 809

# SYSTEM MMC LANGUAGE

FOR:	DCS	CII	816	408	408i	iDCS100	iDCS500	OS500
------	-----	-----	-----	-----	------	---------	---------	-------

**Purpose:** Assigns an LCD display based on the system programming language. Your system supports some or all of the following languages:

ENGLISH	DANISH
GERMAN	DUTCH
PORTUGUESE	SPANISH

## ACTION

1. Open programming and select **809**  
Display shows
2. Press VOLUME keys to make selection and  
press RIGHT soft key
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

SYS.MMC LANGUAGE <u>E</u> NGLISH
-------------------------------------

SYS.MMC LANGUAGE G <u>E</u> RMAN
-------------------------------------

**Default Data:**           **ENGLISH**

**Related Items:**       **MMC 121 Keypad Language**

# MMC: 810

# HALT PROCESSING

FOR:	DCS	CI	CII	816	iDCS100	iDCS500	OS500
------	-----	----	-----	-----	---------	---------	-------

**Purpose:** Used only in the event that all data processing needs to be stopped in either a single cabinet or slot, or in the entire system. The procedure differs slightly between systems.

Note: You do not need to enable system programming (MMC 800) in order to run this program but you will still require the technician's passcode.

## ■ DCS, iDCS500 & OS500 PROCEDURE

### ACTION

### DISPLAY

1. Open programming and select **810**  
Display shows
2. Enter cabinet number  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to advance cursor  
OR  
Select all cabinets and all slots ([see section 1.5.2](#))  
(and go to step 4)
3. Enter slot number  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to advance cursor
4. Enter 1 for HALT or 0 to PROC  
OR  
Press VOLUME keys to make selection and press RIGHT soft key to enter data and return to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

HALT/PROCESSING
C:ALL S:ALL→PROC

HALT/PROCESSING
C:3 S:ALL→PROC

HALT/PROCESSING
C:ALL S:ALL→PROC

HALT/PROCESSING
C:3 S:5 →PROC

HALT/PROCESSING
C:3 S:5 →HALT

■ **COMPACT II, 816 & iDCS100 PROCEDURE**

**ACTION**

**DISPLAY**

1. Open programming and select **810**  
Display shows
2. Enter slot number (e.g. 5)  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to advance cursor  
OR  
Select all slots ([see section 1.5.2](#))
3. Enter 1 for HALT or 0 to PROC  
OR  
Press VOLUME keys to make selection and press  
RIGHT soft key to enter data and return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

HALT/PROCESSING  
SLOT NO:ALL→PROC

HALT/PROCESSING  
SLOT NO:5 →PROC

HALT/PROCESSING  
SLOT NO:ALL→PROC

HALT/PROCESSING  
SLOT NO:5 →HALT

**Default Data:**            **None**

**Related Items:**        **None**



# MMC: 811

# RESET SYSTEM

**FOR:** ALL SYSTEMS

**Purpose:** Provides two methods of restarting the system. The first method (CLEAR MEMORY) restarts the system and clears all memory. The second method (RESET SYSTEM) restarts the system only. If CLEAR MEMORY is selected, system data will return to default values.

Note: You do not need to enable system programming (MMC 800) in order to run this program but you will still require the technician's passcode.

**WARNING: Extreme care should be taken when using this MMC**

**If the system is restarted, all voice/data connections are dropped.**

**If memory is cleared, all customer data is deleted and the system returns to default status.**

## ACTION

1. Open programming and select **811**  
Display shows
2. Press VOLUME keys to make selection  
(RESET SYSTEM or CLEAR MEMORY)  
  
After selection is made, press RIGHT soft key to  
move cursor to YES/NO option
3. Press VOLUME keys to make selection and press  
RIGHT soft key
4. Press VOLUME keys to make selection and press  
RIGHT soft key

## DISPLAY

SYSTEM RESTART  
RESET SYSTEM?NO

SYSTEM RESTART  
CLEAR MEMORY?NO

SYSTEM RESTART  
CLEAR MEMORY?YES

SYSTEM RESTART  
ARE YOU SURE?YES

**Warning: Selecting CLEAR MEMORY will erase  
all data in the system and return default values**

If RESET SYSTEM is selected, system will return  
to normal programmed status

**Default Data:** None

**Related Items:** None

# MMC: 812

# SELECT COUNTRY

FOR:	DCS	CII	816	408	408i	iDCS100	iDCS500	OS500
------	-----	-----	-----	-----	------	---------	---------	-------

**Purpose:** Selects country for correct programming and operation.

## IMPORTANT

This MMC should be run *before* any other programming is done to ensure that the correct software for your country has been selected, or to change the selection if required.

When using this MMC, the system is restarted and memory cleared to make the selection effective.

Note: You do not need to enable system programming in MMC 800 in order to run this program but you will still require the technician's passcode.

## ACTION

## DISPLAY

1. Open programming and select **812**  
Display shows the country selected by the installer (e.g. UK).

SELECT COUNTRY  
U.K.

To accept this setting, go to step 4.

2. Press VOLUME keys to select a different country and press RIGHT soft key

SELECT COUNTRY  
DENMARK

3. Press VOLUME keys to select YES or NO and press RIGHT soft key

DEFAULTING SYSTM  
ARE YOU SURE?YES

**Warning: if you select YES, this will clear the memory and restart the system**

4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**           None

**Related Items:**       All MMCs

# MMC: 813

# HOTEL OPERATION

FOR:	iDCS100	iDCS500	OS500	Hotel application only
------	---------	---------	-------	------------------------

**Purpose:** Enables and disables Hotel application operation and features.

Note: iDCS100 systems require a MEM4 card in order to operate Hotel features.

## ACTION

1. Open programming and select **813**  
Display shows
2. Press VOLUME keys to select enable/disable
3. Press VOLUME keys to select YES (or NO) and  
press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

HOTEL OPERATION  
DISABLE

HOTEL OPERATION  
ENABLE

HOTEL OPERATION  
ARE YOU SURE?YES

**Default Data:**           **DISABLE**

**Related Items:**       **All Hotel MMCs**

# MMC: 815 CUSTOMER DATABASE COPY

FOR: **iDCS100** **iDCS500** **OS500**

**Purpose:** Enables the onboard customer database (SRAM) to be copied to the Smart-Media card database (SMDB)—or the iDCS100 Flash Memory database (FLDB)—and also allows a saved SMDB or FLDB database to be copied to the SRAM.

A daily save can be programmed to automatically save the SRAM to the SMDB or FLDB. This ensures that an up to date database is always available in case of a system failure. A daily save time of 00:00 means this option is disabled. It is recommended that you CLEAR the SMDB or FLDB before the SRAM is copied to it. When the SRAM is copied to the SMDB or FLDB there is no interruption in service. If the SMDB or FLDB is copied to the SRAM the system will reset to accept the new data.

Note:

- 1 iDCS100 systems require a MEM4 card which contains the SRAM.
- 2 The SRAM is on the MCP/MCP2 card in iDCS500 and OS500 systems.

If the SmartMedia card or Flash Memory is in use when you run this program, a message "SMART IS BUSY" or "FLASH IS BUSY" is displayed.

## ACTION

## DISPLAY

### To copy SRAM to SMDB or FLDB

1. Open programming and select **815**

Display is date (MM/DD/YY) and time (HH:MM) of last save

CUST.DBASE: SMDB  
S:10/18/02 01:00

OR

CUST.DBASE: FLDB  
S:10/18/02 01:00

2. Press RIGHT soft key and then press VOLUME keys to select CLEAR option

Press RIGHT soft key

CUST.DBASE: SMDB  
CLEAR SMDB :NO

3. Press VOLUME keys to select YES (or NO) and press RIGHT soft key

CUST.DBASE: SMDB  
CLEAR SMDB :YES

4. Press VOLUME keys to select YES (or NO) and press RIGHT soft key

Selecting YES will clear the database

CUST.DBASE: SMDB  
ARE YOU SURE? :YES

5. Press VOLUME keys to select SRAM option and press RIGHT soft key

CUST.DBASE: SRAM  
DAILY SAVE: 01:00

6. Enter Daily Save time e. g. 0200

CUST.DBASE: SRAM  
DAILY SAVE: 02:00

7. Press RIGHT soft key to move cursor and press VOLUME keys to select COPY TO SMBD (or COPY TO FLDB) option

CUST.DBASE: SRAM  
COPY TO SMBD: NO

8. Press RIGHT soft key to move cursor

Press VOLUME keys to select YES to copy, and press RIGHT soft key

CUST.DBASE: SRAM  
COPY TO SMBD: YES

9. Press VOLUME keys to select YES, and press RIGHT soft key to copy SRAM

CUST.DBASE: SRAM  
ARE YOU SURE? YES

10. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**            **No Daily Save**

**Related Items:**        **None**

# MMC: 816

## CONFERENCE GAIN

FOR: OS500

**Purpose:** Adjusts the gain level for conference calls.

### ACTION

1. Open programming and select **816**  
Display shows

Press VOLUME keys to select YES or NO and  
press RIGHT soft key

2. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

CONFERENCE GAIN  
USE DEFAULT : YES

CONFERENCE GAIN  
USE DEFAULT : YES

**Default Data:** YES

**Related Items:** None

# MMC: 818

# PROGRAM DOWNLOAD

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** Changes the program version by downloading the program stored on the SmartMedia card (or in Flash Memory on the iDCS100 MEM4 card) to:

- the MCP/MCP2, LAN and TEPRI cards on iDCS500 and OS500 systems (including the LCP/LCP2/SCP/SCP2 cards on iDCS500 'L' and OS500 systems),
- or
- the TEPRI card on iDCS100 systems.

## ACTION

1. Open programming and select **818**  
Display shows

Press VOLUME keys to select card, e.g. LAN  
and press RIGHT soft key

2. Press VOLUME keys to select program and press  
RIGHT soft key

3. Press VOLUME keys to select YES and press  
RIGHT soft key to begin download

If you selected the MCP program download, the  
system will restart.

4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

PGM DOWNLOAD MCP:MCPL1021.E
--------------------------------

PGM DOWNLOAD LAN:LAN2V108.PGM
----------------------------------

PGM DOWNLOAD LAN:LAN2V108.PGM
----------------------------------

LAN PGM DOWNLOAD NOW?YES
-----------------------------

**Default Data:**           **None**

**Related Items:**       **None**

# MMC: 819

## SM FILE CONTROL

FOR: /DCS500 OS500

**Purpose:** Displays the size (in bytes) of various system program files on the SmartMedia card. You can also delete a file by selecting the file and pressing the HOLD key.

### ACTION

1. Open programming and select **819**  
Display shows
2. Press VOLUME keys to scroll through programs  
  
Press HOLD key to delete a program file
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

STARTUP.SYS  
sz:65279 byte

MCPL1021.E  
sz:2603496 byte

**Default Data:**        **None**

**Related Items:**       **None**



# MMC: 820

# ASSIGN SYSTEM LINK ID

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** Assigns the system link ID for Q-SIG networking. For Q-SIG networking it is mandatory to insert a value in SELF. This is sent by the system on setting up calls and is used by the system when receiving calls.

Note: iDCS100 systems require a MEM4 card.

## ACTION

1. Open programming and select **820**  
Display shows
2. Press VOLUME keys to select SELF or NO.  
(01–19) and press RIGHT soft key
3. Enter new value (1–10 digits) e.g. 217
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

SYSTEM LINK ID
SELF :200

SYSTEM LINK ID
SELF :200

SYSTEM LINK ID
SELF :217

**Default Data:**        **None**

**Related Items:**     **None**

# MMC: 821      ASSIGN NETWORKING TRUNK

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** Assigns TEPRI cards to use the Q-SIG protocol.

Note: iDCS100 systems require a MEM4 card.

## ACTION

1. Open programming and select **821**  
Display shows
2. Press VOLUME keys to select trunk number (e.g. 701) and press RIGHT soft key
3. Press VOLUME keys to select NORMAL trunk or Q-SIGNALING trunk and press RIGHT soft key to return to step 2
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[701] Q-SIG TRK NORMAL
---------------------------

[701] Q-SIG TRK <u>N</u> ORMAL
-----------------------------------

[701] Q-SIG TRK Q-SIGNALING
--------------------------------

**Default Data:**            **NORMAL**

**Related Items:**        **Q-SIG Networking**

# MMC: 822 VIRTUAL EXTENSION TYPE

FOR: OS500

**Purpose:** Sets the extension (phone) type for virtual extensions. The types are:

NONE	18 BUTTON ( <i>i</i> DCS series)
SLT (standard phone)	8 BUTTON ( <i>i</i> DCS series)
24 BUTTON (Euro)	38 BUTTON
12 BUTTON (Euro)	21 BUTTON (5000 series)
7 BUTTON	14 BUTTON (5000 series)
6 BUTTON (Euro)	LARGE (5000 series large LCD)
28 BUTTON ( <i>i</i> DCS series)	

## ACTION

1. Open programming and select **822**  
Display shows
2. Dial port number (e.g. 3501)  
OR  
Press VOLUME keys to select and press RIGHT  
soft key
3. Press VOLUME keys to select port type (e.g. SLT)  
and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

[3501] PORT TYPE  
SLT

[3501] PORT TYPE  
SLT

[3501] PORT TYPE  
SLT

**Default Data:**      **3501 – 3522 (SLT)**  
                         **3401 – 3440 (21-button keysets)**

**Related Items:**      **None**

# MMC: 823 ASSIGN NETWORKING COS

FOR: iDCS100 iDCS500 OS500

**Purpose:** Assigns the classes of service for networking.

Note: iDCS100 systems require a MEM4 card.

Options are:

Dial	Option	Description	Default
01	CALL OFFER	Call Offer	Y
03	CC PATH RSV	CC Path Reservation	Y
04	CC SIG CONN	CC Retention of Signal Connection	Y
05	CC SVC RETN	CC Service Retention	Y
06	CCBS	Call Completion to Busy Subscriber	Y
07	CCNR	Call Completion on No Reply	Y
08	CFB	Call Forward Busy	Y
09	CFNR	Call Forward No Reply	Y
10	CFU	Call Forward Unconditional	Y
11	CI	Call Intrusion	Y
12	CI CAPABIL	Intrusion Capability Level (1–3)	2
14	CI PROTECT	Intrusion Protection Level (0–3)	2
15	CLIP	Calling Line Identification Presentation	Y
16	CLIR	Calling Line Identification Restriction	N
17	CNIP	Calling Name Identification Presentation	Y
18	CNIR	Calling Name Identification Restriction	N
19	CNIRO	Calling Name Identification Restriction Override	Y
20	COLP	Connected Line Identification Presentation	Y
21	COLR	Connected Line Identification Restriction	N
22	CONP	Connected Name Identification Presentation	Y
23	CONP LEVEL	CONP Level (0–3)	3
24	CONR	Connected Name Identification Restriction	N
25	CONRO	Connected Name Identification Restriction Override	Y
26	CT RE-ROUTE	Transfer By Rerouting	N
27	DND TONE	DND Announcement	N
28	DNDO	Do Not Disturb Override	N
29	DNDO CAPABL	DNDO Capability Level (0–3)	2
30	DNDO PROTEC	DNDO Protection Level (1–3)	2
31	PATH REPL.	Path Replacement	Y
32	PATH RETEN	Path Retention	Y

**ACTION**

**DISPLAY**

1. Open programming and select **823**  
Display shows
2. Dial class of service e.g. 02  
OR  
Press VOLUME keys to select and press RIGHT  
soft key
3. Dial option number e.g. 08  
OR  
Press VOLUME keys to select and press RIGHT  
soft key
4. Dial 0 for NO or 1 for YES  
OR  
Press VOLUME keys to select and press RIGHT  
soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

NETWORK COS (01)  
01:CALL OFFER :Y

NETWORK COS (02)  
01:CALL OFFER :Y

NETWORK COS (01)  
08:CFB :Y

NETWORK COS (01)  
08:CFB :N

**Default Data:**      [See table above](#)

**Related Items:**      **None**

# MMC: 824 NETWORK DIAL TRANSLATION

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** Assigns the digit translation table used for Q-SIG networking. Generally, to call an extension on another node of a network, the station user must dial the node ID and extension number. This MMC provides a simple digit translation so that the user need only dial the extension number to call the station on the other node. The access digit needs to be programmed in [MMC 724](#) (NTWK LCR DIAL NO. option) first.

The number of entries for the network dial translation table is:

iDCS500 'L' & OS500 = 96      iDCS500 'M' = 16      iDCS100 = 20

Note: iDCS100 systems require a MEM4 card.

## ACTION

- Open programming and select **824**  
Display shows access digit programmed in [MMC 724](#) (e.g. 3)
- Dial entry number e.g. 01  
OR  
Press VOLUME keys to select and press RIGHT soft key
- Dial digit string for access to node (e.g. 300) followed by the access digit ('3' in this example)  
  
(Press RIGHT soft key to move cursor to SZ field, if necessary)
- Enter digit size: the number of digits the user will dial ('3' in this example, for 3-digit extension)  
OR  
Press VOLUME keys to select and press RIGHT soft key
- Enter maximum digits to be dialled by system ('6' in this example—digit string for access, plus number of extension digits=300xxx)  
OR  
Press VOLUME keys to select and press RIGHT soft key

## DISPLAY

01: 3	→	
SZ:0	MAX:00	MB:N

01: 3	→	_
SZ:0	MAX:00	MB:N

01: 3	→	3003
SZ:0	MAX:00	MB:N

01: 3	→	3003
SZ:3	MAX:00	MB:N

01: 3	→	3003
SZ:3	MAX:06	MB:N

6. Press VOLUME keys to select whether to automatically assign a mailbox on the calling system node for this range of extensions (Y/N)

01: 3	→3003
SZ:3	MAX:06 MB:Y

(Requires SVMi Voice Mail card on calling system node)

Press RIGHT soft key

7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**           **None**

**Related Items:**       **MMC 710 LCR Digit Table**  
                          **MMC 724 Dial Numbering Plan**  
                          **MMC 820 Assign System Link ID**

# MMC: 825

## ASSIGN NETWORKING OPTIONS

FOR:	iDCS100	iDCS500	OS500	(iDCS systems must have a LAN interface installed.)
------	---------	---------	-------	---

**Purpose:** Assigns the following networking options.

<b>ADD NUMBER TO NAME</b>	Include the extension number in the name field of Q-SIG message (select Yes/No).
<b>USE REMOTE VM</b>	Use remote Voice Mail (select Yes/No).
<b>REMOTE VM NUMBER</b>	Access number of remote Voice Mail (VM) when the remote VM is used (enter remote VM number).
<b>REMOTE CID NUMBER</b>	Include node number when sending Caller ID through Voice Mail card (select Yes/No).

### ACTION

1. Open programming and select **825**  
Display shows
2. Press VOLUME keys to select option and press RIGHT soft key
3. Press VOLUME keys to select YES or NO and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

ADD NUMB TO NAME  
YES

USE REMOTE VM  
NO

USE REMOTE VM  
YES

**Default Data:**

<b>ADD NUMB TO NAME:</b>	YES
<b>USE REMOTE VM:</b>	NO
<b>REMOTE VM NUMBER:</b>	None
<b>REMOTE CID NUMBER:</b>	YES

**Related Items:**

- MMC 710 LCR Digit Table
- MMC 724 Dial Numbering Plan
- MMC 820 Assign System Link ID



# MMC: 826

## ASSIGN SYSTEM CLOCK SOURCE

FOR: iDCS500 OS500

**Purpose:** The system clock may be synchronized with an external clock source from a TEPRI card or may use the internal clock source. In this MMC, you can select to use the internal clock source or assign the system clock source priority when the external clock source is used. Options are:

PRIORITY 1–3  
C1: S1–S9, SELF  
C2: S1–S9, SELF  
C3: S1–S9, SELF

### ACTION

1. Open programming and select **826**  
Display shows
2. Dial priority number 1–9 (e.g. 2)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial cabinet/slot option number 0–9  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

REFERENCE CLOCK  
PRIORITY 1:C1-S1

REFERENCE CLOCK  
PRIORITY 2:C2-S2

REFERENCE CLOCK  
PRIORITY 2:C2-S3

**Default Data:**

<b>PRIORITY 1</b>	<b>C1-S1</b>
<b>PRIORITY 2</b>	<b>C1-S2</b>
<b>PRIORITY 3</b>	<b>C1-S3</b>

**Related Items:** None

**MMC: 829****LAN PRINTER****FOR:** *iDCS100* *iDCS500* **OS500** (*iDCS systems must have a LAN interface installed.*)

**Purpose:** Allows you to view and set options for network printer(s). Up to eight (01–08) printers can be connected and configured here. Options for each printer are:

<b>DATA TYPE</b>	Displays setting of SIO port to which printer is attached, e.g. SMDR (see <a href="#">table</a> , below)
<b>CURR STATUS</b>	Current status (read only)
<b>EMPTY BUFF</b>	Empty printer buffer (Yes/No)
<b>UPDATE LAN</b>	Apply new values set in this MMC (Yes/No)
<b>DESTINATION</b>	PC/Printer/Both/None
<b>PRINTER IP</b>	Printer IP address
<b>PRINTER TCP</b>	Printer port number (5 digits)
<b>LAN TCP</b>	Port number of LAN TCP (5 digits)
<b>RETRY COUNT</b>	No. of retries to print (00–10)
<b>RETRY WAIT</b>	Wait time between retries (005–250 secs)
<b>PJL ENABLE</b>	True/False (to match printer)
<b>LANGUAGE</b>	RAW/PCL/PS (to match printer)
<b>PAPER SIZE</b>	A4/Letter
<b>FONT TYPE</b>	Courier/Times New Roman
<b>DUPLEX ENAB</b>	True/False (to match printer)
<b>ORIENTATION</b>	Portrait/Landscape
<b>PRINT TRAY</b>	Default/Tray 1/Tray 2/Manual
<b>RESOLUTION</b>	300/600 dpi
<b>LINE/PAGE</b>	Lines per page (00–99)

(You are advised to contact Technical Support or check technical bulletins for details of supported options.)

**DATA TYPES AND PORT NUMBERS**

<b>DATA TYPE</b>	<b>PORT NO.</b>
SMDR	5100
UCD REPORT	5101
TRAFFIC REPORT	5102
ALARM REPORT	5103
UCD VIEW	5104
PERIODIC UCD	5105
HOTEL REPORT	5106
PMS	5107

## ACTION

## DISPLAY

1. Open programming and select **829**  
Display shows printer data type, e.g. SMDR
2. Dial printer number 01–08 (e.g. 02)  
OR  
Press VOLUME keys to select  
  
Press RIGHT soft key
3. Press VOLUME keys to select option (e.g. RETRY COUNT)
4. To change the value for selected option press RIGHT soft key, then enter new value using dial keypad or by scrolling with VOLUME keys  
  
Press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

[01] DATA TYPE  
SMDR

[02] DATA TYPE  
UCD REPORT

[02] RETRY COUNT  
03

[02] RETRY COUNT  
05

## Default Data:

DATA TYPE:	Setting of SIO port
CURR STATUS:	Current Status
EMPTY BUFF:	NO
UPDATE LAN:	NO
DESTINATION:	None
PRINTER IP:	200. 1. 1. 1
PRINTER TCP:	10010
LAN TCP:	10020
RETRY COUNT:	03
RETRY WAIT:	010 SEC
PJL ENABLE:	FALSE
LANGUAGE:	RAW
PAPER SIZE:	A4
FONT TYPE:	COURIER
DUPLEX ENAB:	FALSE
ORIENTATION:	PORTRAIT
PRINT TRAY:	DEFAULT
RESOLUTION:	300
LINE/PAGE:	60

**Related Items:**      **MMC 804 System I/O Parameter**

# MMC: 830 ETHERNET PARAMETERS

**FOR:** *iDCS100* *iDCS500* *OS500* (*iDCS systems must have a LAN interface installed.*)

**Purpose:** Assigns the Ethernet parameters for the LAN interface. If the LAN IP address, Subnet Mask or Gateway data are changed, the LAN card must be restarted to apply the changed items. The system MAC address is available to view only. Options are:

## ■ *iDCS ITM3 Card*

Parameters are:

LAN IP ADDRESS	PCMMC ADDRESS
LAN SUBNET MASK	REMOTE M/A ADDRESS
LAN GATEWAY	TAPI SERVER ADDRESS
LAN MAC ADDRESS	TRACE ADDRESS

<b>Default Data:</b>	<b>LAN IP ADDRESS</b>	<b>10.0.0.2</b>	
	<b>LAN SUBNET MASK</b>	<b>255.255.255.0</b>	
	<b>LAN GATEWAY</b>	<b>10.0.0.1</b>	
	<b>LAN MAC.ADDR</b>	<b>0000F03A07B9</b>	
	<b>PCMMC ADDRESS</b>	<b>10.0.0.101</b>	} Not Used
	<b>REMOTE M/A ADDR</b>	<b>10.0.0.102</b>	
	<b>TAPI SERVER ADDR</b>	<b>10.0.0.103</b>	
	<b>TRACE ADDRESS</b>	<b>10.0.0.106</b>	

**Related Items:** None

## ■ *OS500 MGI Card*

Parameters are:

SYSTEM IP ADDRESS	SYSTEM PUBLIC IP
SYSTEM GATEWAY	SYSTEM MAC ADDRESS
SYSTEM NET MASK	PCMMC ADDRESS
SYSTEM RESET	REMOTE M/A ADDRESS
SYSTEM IP TYPE	

## ACTION

1. Open programming and select **830**  
Display shows (e.g. OS500)
2. Press VOLUME keys to select option and press  
RIGHT soft key
3. Enter new data as required
4. You are asked if you want to reset the card  
  
Press VOLUME keys to select YES and press  
RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

SYSTEM IP ADDR			
10.	0.	0.	2

SYSTEM NET MASK			
255.	255.	255.	0

SYSTEM RESET	
ARE YOU SURE?YES	

**Default Data:**      **None**

**Related Items:**      **None**

# MMC: 831

# VoIP PARAMETERS

FOR:	iDCS100	iDCS500	OS500	(Systems with ITM3 or MGI card)
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**Purpose:** Allows you to set parameters for the ITM3/MGI card.

## ■ iDCS ITM3 Card

<b>IP ADDRESS</b>	Specifies the IP address for the ITM3 card. When changing the address, three digits must be entered for each field.
<b>SUBNET MASK</b>	Specifies the IP subnet mask. When changing the address, three digits must be entered for each field.
<b>GATEWAY</b>	Specifies the LAN gateway address when leaving the local network. When changing the address three digits must be entered for each field.
<b>STS PERIOD</b>	Status Send Period designates the timed message cycle to check the remote IP status (Range: 00–60 sec.)
<b>MAX FAX CH</b>	Maximum facsimile channels. Specifies the maximum number of ITM3 channels that will accept IP T.38 protocol IP facsimiles (max=8, default=0).
<b>CLIP TABLE</b>	Calling Line Identification Presentation table. This provides the calling station number when calling from one ITM3 location to another. (Range=1–4 or NONE.) If set to NONE, the trunk number set in <a href="#">MMC 405</a> will be sent. Otherwise, the number set in <a href="#">MMC 323</a> will be sent.
<b>VOIP MODE</b>	Three options are available: FOLLOW DID TRANS ( <a href="#">MMC 714</a> ) FOLLOW INCOM DGT (follow incoming digit) or FOLLOW TRK RING ( <a href="#">MMC 406</a> ).
<b>VERSION</b>	Displays the ITM3 card version number

## ■ OS500 MGI Card

<b>IP ADDRESS</b>	Specifies the IP address for the MGI card. When changing the address, three digits must be entered for each field.
<b>GATEWAY</b>	Specifies the LAN gateway address when leaving the local network. When changing the address three digits must be entered for each field.
<b>SUBNET MASK</b>	Specifies the IP subnet mask. When changing the address, three digits must be entered for each field.
<b>STS PERIOD</b>	Status Send Period designates the timed message cycle to check the remote IP status (Range: 00–60 sec.)
<b>IP TYPE</b>	IP address type is PUBLIC or PRIVATE.
<b>VERSION</b>	Card version (MGI3 only).
<b>MAC ADDR</b>	MAC address (view only).
<b>CARD RESET</b>	Select whether to restart card.

## ACTION

## DISPLAY

1. Open programming and select **831**  
Display shows the first trunk on the ITM3/MGI card.

[7001] IP ADDRESS			
1.	1.	1.	1

2. Press RIGHT soft key to move cursor to IP address line

[7001] IP ADDRESS			
_1.	1.	1.	1

3. Enter new data as required

Cursor returns to top line

4. Press VOLUME keys to select next option (Subnet Mask) and press RIGHT soft key

[7001] SUB MASK			
255.	255.	255.	0

5. Enter new data as required

Cursor returns to top line

6. Press VOLUME keys to select next option (Gateway), press RIGHT soft key and enter new data

Repeat steps 4–6 for each remaining option

7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**

IP ADDRESS	: 1.1.1.1
SUB MASK	: 255.255.255.0
GATEWAY	: 1.1.1.1
STS PERIOD	: 00 SEC
MAX FAX CH	: 0
CLIP TABLE	: NONE
VOIP MODE	: FOLLOW DID TRANS
VERSION	: Version no. of card
IP TYPE	: Private

**Related Items:**

- MMC 323 Send CLIP Number
- MMC 405 Trunk Number
- MMC 714 DDI Number and Name Translations
- MMC 832 VoIP Code
- MMC 833 VoIP IP Table
- MMC 834 VoIP Options
- MMC 835 VoIP DSP Options
- MMC 836 VoIP GK Options

**MMC: 832****VoIP CODE**

<b>FOR:</b>	<b>iDCS100</b>	<b>iDCS500</b>	<b>OS500</b>	<b>(Systems with ITM3 or MGI card)</b>
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**Purpose:** Sets the ITM3/MGI internal numbering plan for dialling and conversion.

<b>ACCESS CODE</b>	Once the ITM3/MGI is accessed, the access code directs a call based on the routing tables. An access code table references an access code. Codes are a maximum of 8 digits. There are 63 access code entries (00–62)
<b>CODE LENGTH</b>	This field requests the number of digits (0–8) that are expected to be received to make up the access code
<b>DEL LENGTH</b>	The number of digits (0–8) to delete after receiving the access code. If no digits are deleted the access code will be sent as part of the call to the destination to continue routing at the destination
<b>INSERT CODE</b>	The code to insert for routing at the destination. This can be used when different numbering plans exist or if a 'dial 9' access is needed to be inserted in the dialled digits (max 8 digits)
<b>IP TABLE 1</b>	The first table referenced for routing the access code to an IP address. For iDCS systems: IP tables are 00–30. For OS500 systems: IP tables are (00–62).
<b>IP TABLE 2</b> (iDCS systems)	For iDCS systems, the second table (00–30) referenced as a look-up for an IP address to route the call based on the access code.
<b>IP START</b>	This entry indicates where in a table to start looking for an IP code to associate with the access code. This can be used to manage where to start looking for an IP address in high traffic ITM3/MGI applications. For example: if IP address routing to the desired destination is known to be in the last 7 entries of a table, the IP START location would be 25. IP address searching would start at entry 25.
<b>GK USE</b>	Connection through Gatekeeper (YES/NO). (Only applicable when GK ROUTING is enabled in <a href="#">MMC 836</a> .)

**ACTION****DISPLAY**

1. Open programming and select **832**  
Display shows
2. Dial an entry number (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Press RIGHT soft key and enter access code (max 8 digits) and press RIGHT soft key
4. Press VOLUME keys to select next option (Code Length) and press RIGHT soft key
5. Enter Code Length (e.g. 8) and press RIGHT soft key

(00) ACCESS CODE

0

(01) ACCESS CODE

1

(01) ACCESS CODE

12345678

(01) CODE LENGTH

1

(01) CODE LENGTH

8



6. Press VOLUME keys to select next option (DEL. LENGTH), press RIGHT soft key and enter new data

Repeat steps 4–6 for each remaining option

7. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:**

<b>ACCESS CODE:</b>	<b>00–09=digits 0–9; 10–62=None</b>
<b>CODE LENGTH:</b>	<b>1</b>
<b>DELETE LENGTH :</b>	<b>1</b>
<b>INSERT CODE:</b>	<b>None</b>
<b>IP TABLE 1:</b>	<b>00</b>
<b>IP TABLE 2:</b>	<b>None</b>
<b>IP START:</b>	<b>None</b>
<b>GK USE:</b>	<b>No</b>

**Related Items:**

- MMC 831 VoIP Parameters**
- MMC 833 VoIP IP Table**
- MMC 834 VoIP Option**
- MMC 835 VoIP DSP Option**
- MMC 836 VoIP GK Option**

# MMC: 833

# VoIP IP ADDRESS

FOR:	iDCS500	iDCS100	OS500	(Systems with ITM3 or MGI card)
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**Purpose:** Provides the IP addresses in tables pointed to by the access code entry. iDCS systems have 31 tables (00–30) with up to 32 entries each; OS500 systems have 63 tables (00–62) with up to 16 entries each. The destination IP address is required to route dialled digits based on the access code and digits dialled. The IP entry field is divided into four sections allowing modification of separate IP address fields.

Note: All IP address entries must 3-digit entries. For example: IP address 105.52.10.201 must be entered as 105.052.010.201.

## ACTION

1. Open programming and select **833**  
Display shows
2. Dial table (TB) number (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial table entry number (e.g. 01)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Enter IP address
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

TB(00)	ENTRY(00)
1. 1. 1. 1	

TB(01)	ENTRY(00)
1. 1. 1. 1	

TB(01)	ENTRY(01)
_ 0. 0. 0. 0	

TB(01)	ENTRY(01)
105. 052. 010. 201	

**Default Data:** TB(00) ENTRY(00)=1.1.1.1  
Others=0.0.0.0

**Related Items:** MMC 831 VoIP Parameters  
MMC 832 VoIP Code  
MMC 834 VoIP Option  
MMC 835 VoIP DSP Option  
MMC 836 VoIP GK Option

# MMC: 834

## VoIP OPTIONS

**FOR:**    **iDCS100**    **iDCS500**    **OS500**    **(Systems with ITM3 or MGI card)**

**Purpose:** Provides various VoIP support options. *The options set in this MMC are system wide.*

### ■ iDCS ITM3 Card & Procedure

<b>H.323 FAST SETUP</b>	Enables or disables the H.323 Fast Start call method.
<b>GATEWAY CALL ID</b>	A numeric entry that identifies the system via the ITM3 connection. Maximum entry is four digits.
<b>BILLING TYPE</b>	Standard.
<b>CALLER ID TYPE</b>	This option controls the calling party identification type. There are three possible selections: ANI which shows the calling station number when the call is an ITM3 to ITM3 call; IP which shows the calling ITM3 IP address; and GW (Gateway) ID which is a 4-digit pre-programmed ID.
<b>INCOMING CHANNEL</b>	Selects whether the incoming channel is Sequential or Distributed.
<b>DTMF GENERATION</b>	Allows four different transport types of DTMF: In-band, Q931, H.245 Signal, and H.245 Numeric.
<b>FAX SIGNAL TYPE</b>	Selects the facsimile standard to use when transporting faxes via the ITM3. Selections are T.38 or the proprietary Samsung formats. Default is T.38.
<b>SWITCH TO H.245</b>	Enables switching to the H.245 protocol at the time of Fast Start
<b>DEFAULT DIL NO.</b>	Allows programming of the default DIL number when digits are not included on an incoming call.
<b>SIGNALLING PORT</b>	Indicates the port number for H.323 signalling and sets a range of numbers allowed by firewall equipment. The IP path or port used is 10000.
<b>STATUS PORT</b>	Port number for the exchange of status information between ITM3/MGI cards. The IP path or port used in 20000.
<b>WCS PORT</b>	Proprietary Samsung Web Call Service. The IP path or port used is 20010.
<b>SIGK ACCESS PORT</b>	Samsung Internet Gatekeeper. The IP path or port used is 20020.
<b>MAKE DEFAULT DB</b>	This option permits defaulting of the ITM3 card program parameters. <b>CAUTION:</b> <i>This option is system wide and defaults all ITM3 cards in the system!</i> Card must be restarted to take affect.
<b>EARLY H245 MODE</b>	Set to YES if H.323 FAST START SETUP is enabled.
<b>RING BACK TONE</b>	Generates Ring Back tone. 0 DISABLE: Do not use Ring Back tone 1 SETUP: Use Ring Back tone when sending set-up 2 ALERT: Use Ring Back tone when receiving Alert
<b>Q931 NO ANS TIME</b>	Timer used to disconnect call on no answer.
<b>ISP TYPE</b>	Used when connecting to ITSP (NORMAL / UNITEL / RUSSIA)
<b>FACILITY TYPE</b>	NORMAL / NO REQ

## ACTION

1. Open programming and select **834**  
Display shows
2. Press RIGHT soft key  
  
Press VOLUME keys to select ENABLE/DISABLE  
and press RIGHT soft key
3. Press VOLUME keys to select next option and  
press RIGHT soft key
4. Enter required data and press RIGHT soft key  
  
Repeat steps 3–4 for each option as required
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

H.323 FAST SETUP ENABLE
----------------------------

H.323 FAST SETUP ENABLE
----------------------------

GATEWAY CALL ID 1234
-------------------------

**Default Data:**

**H.323 FAST SETUP: DISABLE**  
**GW CALL ID: 1234**  
**BILLING TYPE: STANDARD**  
**CALLER ID TYPE: ANI**  
**INCOMING CHANNEL: DISTRIBUTE**  
**DTMF GENERATION: H.245 SIGNAL**  
**FAX SIGNALLING TYPE: T.38**  
**SWITCH TO H.245: ENABLE**  
**DEFAULT DIL: None**  
**SIGNALLING PORT: 10000**  
**STATUS PORT: 20000**  
**WCS PORT: 20010**  
**SIGK ACCESS PORT: 20020**  
**MAKE DEFAULT DB: NO**  
**EARLY H245 MODE: YES**  
**RING BACK TONE: DISABLE**  
**Q931 NO ANS TIME: 090 SEC**  
**ISP TYPE: NORMAL**  
**FACILITY TYPE: NORMAL**

**Related Items:** See *Related Items*, below

■ **OS500 MGI Card & Procedure**

<b>GATEWAY CALL ID</b>	A numeric entry that identifies the system via the MGI connection. Maximum entry is four digits.
<b>H.323 FAST SETUP</b>	Enables or disables the H.323 Fast Start call method.
<b>CALLER ID TYPE</b>	This option controls the calling party identification type. The type is identical to that sent by the caller to be displayed.
<b>TUNNELING</b>	Sets whether to use the Q.931 signalling channel for H.245 signalling instead of using a separate channel.
<b>DEFAULT DIL NO.</b>	Sets the call forward number for incoming calls that does not include the dial digit.
<b>CODEC AUTO NEGO</b>	Sets whether to automatically change the CODEC to be used according to the other party.
<b>SIGNAL PORT</b>	Sets the IP port number for H.323 signalling.
<b>SEND CLIP TABLE</b>	Sets the Caller Data Table number in <a href="#">MMC 323</a> that will be sent as the caller information when calling through the VoIP network. Number in <a href="#">MMC 405</a> is used when set as None.
<b>INCOMING MODE</b>	For VoIP incoming calls, sets whether to use the received Called Party Number as is, or to follow <a href="#">MMC 714</a> , or to use the destination specified for each C.O. line in <a href="#">MMC 406</a> .
<b>ALLOW GW CHECK</b>	Enables Gateway IP check.

**ACTION**

1. Open programming and select **834**  
Display shows
2. Press VOLUME keys to select option (e.g. H.323 FAST SETUP) and press RIGHT soft key
3. Press VOLUME keys to select ENABLE/DISABLE  
press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**DISPLAY**

GATEWAY CALL ID 1234
-------------------------

H.323 FAST SETUP <u>E</u> NABLE
------------------------------------

H.323 FAST SETUP <u>D</u> ISABLE
-------------------------------------

**Default Data:**

**GATEWAY CALL ID: 1234**  
**H.323 FAST SETUP: DISABLE**  
**CALLER ID TYPE: ANI**  
**TUNNELING: DISABLE**  
**DEFAULT DIL NO: 5000 (OR 500)**  
**CODEC AUTO NEGO: OFF**  
**SIGNAL PORT: 10000**  
**SEND CLIP TABLE: 1**  
**INCOMING MODE: FOLLOW DID TRANS**  
**ALLOW GW CHECK: DISABLE**

**Related Items:** VoIP MMCs

# MMC: 835

# VoIP DSP OPTIONS

FOR: **iDCS100** **iDCS500** **OS500** **(Systems with ITM3 or MGI card)**

**Purpose:** Provides various VoIP DSP options. *The options set in this MMC are system wide.*

## ■ iDCS ITM3 Card & Procedure

<b>AUDIO CODEC</b>	Selects which audio codec compression to use. Selections are G.711 (64K), G.723.1 (6.4K), G.729A (8K) and G.729.
<b>ECHO CANCEL</b>	Enables or disables echo cancellation (0: disable, 1:enable). This function removes echo that is generated by voice reflection and packet delay.
<b>SILENCE SUPPRESS</b>	Determines whether silence suppression is used (0: disable, 1: enable). This prevents transmission during the silence period of a call.
<b>INPUT FILTER</b>	Selects input filtering of the DSP (0: disable, 1: enable). This should be set to ON.
<b>OUTPUT FILTER</b>	Selects output filtering of the DSP (0: disable, 1: enable). This should be set to ON.
<b>INPUT GAIN</b>	PCM input gain value of DSP. The range is -31dB to 31dB (0-63). This sets the volume of PCM voice from the VOIP DSP to the site.
<b>VOICE VOLUME</b>	Selects the voice volume. The range is -31dB to 31dB (0-63).
<b>MULTIFRAME COUNT</b>	This option selects the number of frames the ITM3 will consolidate in the packet message. The voice packets are buffered to the set number and sent as a single packet. The range is 1-12.
<b>JITTER OPTION</b>	Selects the dynamic jitter specific value. Value determines whether the focus is on packet loss or packet delay. The range is 00-12.
<b>RTP DELAY LIMIT</b>	Value of the delay limit. The status will change when this limit is exceeded. The value is measured in milliseconds (ms). This is used to determine network error.
<b>RTP LOSS LIMIT</b>	Value of the loss limit value. The status will change when this limit is exceeded. The value is measured in percent (%). The range is 00-25 %. This is used to determine network error.
<b>RTP CHECK PERIOD</b>	Packet loss estimated base period measured in seconds. The range is 00-25 seconds. This is used to determine network error.
<b>RTP OVER COUNT</b>	Limit/loss limit excess count. The range is 0-3. This is used to determine network error.
<b>MAX JITTER DELAY</b>	Sets maximum value for jitter buffer.
<b>MIN JITTER DELAY</b>	Sets minimum value for jitter buffer.
<b>DTMF TRANS ROUTE</b>	Determines how DTMF signals are transmitted across the network (Enabled/Disabled).
<b>FAX ERROR CORRECT</b>	Allows auto error correction of fax transmissions across the network (Yes/No)

## ACTION

## DISPLAY

1. Open programming and select **835**  
Display shows
2. Press VOLUME keys to select option (e.g. ECHO CANCEL) and press RIGHT soft key
3. Press VOLUME keys to select enable/disable and press RIGHT soft key
4. Repeat steps 2–3 for each option as required (to enable/disable or enter value)
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

AUDIO CODEC
G.723.1

ECHO CANCEL
ENABLE

ECHO CANCEL
DISABLE

### Default Data:

AUDIO CODEC:	G.723.1
ECHO CANCEL:	ENABLE
SILENCE SUPPRESS:	ENABLE
INPUT FILTER:	ENABLE
OUTPUT FILTER:	ENABLE
INPUT GAIN:	31
VOICE VOLUME	31
MULTI FRAME COUNT:	02
JITTER OPTION:	04
RTP DELAY LIMIT:	500
RTP LOSS LIMIT:	10 %
RTP CHECK PERIOD:	30 SEC
RTP OVERCOUNT LIMIT:	1
MAX JITTER DELAY:	150 mS
MIN JITTER DELAY:	070 mS
DTMF TRANS ROUTE:	ENABLE
FAX ERROR CORRECT:	YES

Related Items: See *Related Items*, below

**■ OS500 MGI Card & Procedure**

*Note that some of the following options may not apply to the card being programmed (MGI1, 2 or 3).*

<b>AUDIO CODEC</b>	Selects which audio codec compression to use. Selections are G.711 (64K), G.723.1 (6.4K), G.729A (8K) and G.729.
<b>ECHO CANCEL</b>	Enables or disables echo cancellation (0: disable, 1:enable). This function removes echo that is generated by voice reflection and packet delay.
<b>SILENCE SUPPRESS</b>	Determines whether silence suppression is used (0: disable, 1: enable). This prevents transmission during the silence period of a call.
<b>INPUT FILTER</b>	Selects input filtering of the DSP (0: disable, 1: enable). This should be set to ON.
<b>OUTPUT FILTER</b>	Selects output filtering of the DSP (0: disable, 1: enable). This should be set to ON.
<b>INPUT GAIN</b>	PCM input gain value of DSP. The range is -31dB to 31dB (0-63). This sets the volume of PCM voice from the VOIP DSP to the site.
<b>VOICE VOLUME</b>	Selects the voice volume. The range is -31dB to 31dB (0-63).
<b>FRAME COUNT</b>	This option selects the number of frames the MGI will consolidate in the packet message. The voice packets are buffered to the set number and sent as a single packet. The range is 1-12.
<b>JITTER OPTION</b>	Selects the dynamic jitter specific value. Value determines whether the focus is on packet loss or packet delay. The range is 00-12.
<b>MIN JITTER</b>	Sets minimum value for jitter buffer.
<b>MAX JITTER</b>	Sets maximum value for jitter buffer.
<b>FAX ECM</b>	Sets additional recovery function for FAX transfer errors when using T.38 Fax.
<b>MAX FAX COUNT</b>	Sets maximum number of allowed Internet FAX channels.
<b>DTMF TYPE</b>	Sets whether to transmit the DTMF signal through the voice channel (INBAND) or through a separate message (OUTBAND).
<b>TOS FIELD</b>	Defines Type of Service packets.

**ACTION**

1. Open programming and select **835**  
Display shows
2. Press VOLUME keys to select MGI card (1-3) e.g. MGI1
3. Press VOLUME keys to select option (e.g. ECHO CANCEL) and press RIGHT soft key
4. Press VOLUME keys to select enable/disable and press RIGHT soft key

**DISPLAY**

MGI1:AUDIO CODEC  
G.723.1

MGI1:AUDIO CODEC  
G.723.1

MGI1:ECHO CANCEL  
ENABLE

MGI1:ECHO CANCEL  
DISABLE



5. Repeat steps 3–4 for each option as required (to enable/disable or enter value)
6. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

<b>Default Data:</b>	<b>AUDIO CODEC:</b>	<b>G.729A</b>
	<b>ECHO CANCEL:</b>	<b>ENABLE</b>
	<b>SILENCE SUPPRESS:</b>	<b>ENABLE</b>
	<b>INPUT FILTER:</b>	<b>ENABLE</b>
	<b>OUTPUT FILTER:</b>	<b>ENABLE</b>
	<b>INPUT GAIN:</b>	<b>31</b>
	<b>VOICE VOLUME</b>	<b>31</b>
	<b>FRAME COUNT:</b>	<b>02</b>
	<b>JITTER OPTION:</b>	<b>04</b>
	<b>MIN JITTER:</b>	<b>020 mS</b>
	<b>MAX JITTER:</b>	<b>150 mS</b>
	<b>FAX ECM:</b>	<b>ENABLE</b>
	<b>MAX FAX COUNT:</b>	<b>02</b>
	<b>DTMF TYPE:</b>	<b>OUTBAND</b>
	<b>TOS FIELD:</b>	<b>000000</b>

<b>Related Items:</b>	<b>MMC 831 VoIP Parameters</b>
	<b>MMC 832 VoIP Code</b>
	<b>MMC 833 VoIP IP Table</b>
	<b>MMC 834 VoIP Option</b>
	<b>MMC 836 VoIP GK Option</b>

**MMC: 836****VoIP GK OPTIONS**

FOR:	iDCS100	iDCS500	OS500	(Systems with ITM3 or MGI card)
------	---------	---------	-------	---------------------------------

**Purpose:** Sets the ITM3/MGI Gatekeeper options for identification to a network gatekeeper. The setting are selectable for each ITM3/MGI card installed.

**■ iDCS ITM3 Card**

<b>GK CONNECT</b>	Determines if the ITM3 is to connect to a Gatekeeper. The option are disable or enable.
<b>GK TYPE</b>	Determines if connected to a Samsung SIGK or other type of Gatekeeper.
<b>GK IP ADDR</b>	The Gatekeeper's IP address.
<b>GK NAME</b>	Name identifier of the Gatekeeper. The name comprises nine alphanumeric characters with a space followed by a Gatekeeper identifier (up to 16 characters).
<b>GW: H.323 ID</b>	The H.323 identifier of the ITM3 that is registered with the Gatekeeper (up to 16 characters).
<b>GW: E164 NO</b>	The E.164 identifier of the ITM3 that is registered with the Gatekeeper (up to 16 digits).
<b>RAS MANUAL</b>	Selects automatic or manual registration of Gatekeeper.
<b>GK ROUTING</b>	Selects if Gatekeeper is routing call.

**■ OS500 MGI Card**

<b>GK CONNECT</b>	Determines if the MGI is to connect to a Gatekeeper. The options are disable or enable.
<b>GK ROUTING</b>	Selects if Gatekeeper is routing call.
<b>GK IP ADDRESS</b>	The Gatekeeper's IP address.
<b>GK NAME</b>	Name identifier of the Gatekeeper. The name comprises nine alphanumeric characters with a space followed by a Gatekeeper identifier (up to 16 characters).
<b>ALTER GK IP ADDRESS</b>	Sets the alternative GateKeeper when operating the Gatekeeper with redundancy.
<b>H.323 GATEWAY ID</b>	Sets the system ID that should be registered to Gatekeeper as H.323 ID.
<b>E.164 GATEWAY NO</b>	Sets the system ID that should be registered to GateKeeper as E.164 ID.
<b>GK KEEP ALIVE</b>	The transfer cycle of RRQ to GateKeeper
<b>GK DOWN ROUTE</b>	Sets the routing method that should be used when connection with the GateKeeper is lost. 0. ALTER GK : Connect to the alternative Gatekeeper. 1. PSTN : Use PSTN routing.
<b>GK RAS TYPE</b>	Selects automatic or manual registration of Gatekeeper.

<b>URQ REASON MODE</b>	When Gatekeeper sends URQ message to Gateway, the Gateway disables the Gatekeeper connection according to the reason code.
<b>RRQ FAIL TIME</b>	The transfer cycle of RRQ when failure occurs while transferring RRQ from Gateway to Gatekeeper.
<b>GRQ SEND</b>	Sets whether Gateway shall send the GRQ message.

## ACTION

1. Open programming and select **836**  
Display shows
2. Press VOLUME keys to select ITM3/MGI card and press RIGHT soft key
3. Press VOLUME keys to select option and press RIGHT soft key
4. Press VOLUME keys to select option and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[7001]GK CONNECT  
G.723.1

[7001]GK CONNECT  
G.723.1

[7001]GK TYPE  
SIGK

[7001]GK TYPE  
OTHER SIGK

**Default Data:**

<b>GK CONNECT:</b>	<b>DISABLE</b>
<b>GK ROUTING:</b>	<b>DISABLE</b>
<b>GK IP ADDR:</b>	<b>0.0.0.0</b>
<b>GK NAME:</b>	<b>None</b>
<b>ALTER GK IP ADDRESS:</b>	<b>0.0.0.0</b>
<b>H.323 GATEWAY ID:</b>	<b>None</b>
<b>E.164 GATEWAY NO:</b>	<b>None</b>
<b>GK KEEP ALIVE:</b>	<b>000 sec</b>
<b>GK DOWN ROUTE:</b>	<b>PSTN</b>
<b>GK RAS TYPE:</b>	<b>AUTO</b>
<b>URQ REASON MODE:</b>	<b>ON</b>
<b>RRQ FAIL TIME:</b>	<b>30 sec</b>
<b>GRQ SEND:</b>	<b>OFF</b>

**Related Items:**

- MMC 831 VoIP Parameters
- MMC 832 VoIP Code
- MMC 833 VoIP IP Table
- MMC 834 VoIP Option
- MMC 835 VoIP DSP Option

# MMC: 837

## SIP OPTIONS

**FOR:** OS500

**Purpose:** Sets SIP related parameters.

Dial	Parameter	Description	Default
00	GATEWAY CALL ID	Sets the Caller ID for billing.	1234
01	CALLER ID TYPE	Sets the Caller ID type. The Caller ID type is displayed only when it is identical to that sent by the caller.	ANI
05	DEFAULT DIL NO.	Sets the call forward number for incoming calls that does not include the dial digit.	500
06	UDP PORT : TRUNK	Sets the UDP port number when the other party is a C.O. line.	05060
07	UDP PORT : PHONE	Sets the UDP port number when the other party is a phone.	05070
09	RE-TRANS.T1 TIME	When using unreliable transmission protocols such as UDP, retransmission is performed if there is no answer. RE-TRANS.T1 TIME is the initial retransmission interval defined in RFC2543.	500 mS
10	RE-TRANS.T2 TIME	The maximum retransmission interval defined in RFC 2543.	4000 mS
11	RE-TRANS.T4 TIME	Defined for various purposes in RFC 2543. For example, in an unreliable protocol, this can be defined as the time that the User Agent Server (USA) waits after receiving the ACK message.	5000 mS
12	GENERAL RING TM	In an unreliable transmission protocol it cannot be confirmed whether the client received the last response from the server. In this case, the server retransmits the response for this length of time until the requested retransmission is received. For example, the wait time after sending 200 OK for INFO.	5000 mS
13	INVITE LING TIME	In an unreliable transmission protocol, after the client sends ACK for the INVITE Final Response, the client cannot confirm if the server received the ACK message. The client waits for this length of time after sending ACK for the Final Response.	5000 mS
14	PROVISIONAL TIME	After receiving the Provision Response, the User Agent waits for this length of time until Timeout ends.	180000 mS
15	INV.NO RESP TIME	Before sending Cancel for the Invite Request, the User Agent waits for this length of time.	05000mS
16	GEN.NO RESP TIME	Before sending Cancel for General Request, the User Agent waits for this length of time.	05000mS
17	REQ.RETRY TIME	After sending General Request, the User Agent waits for the Final Response for this length of time.	05000mS
18	SIP SERVER ENBLE	Sets whether to use SIP Server (ENABLE/DISABLE)	DISABLE
20	SIP SERVER IP	Sets the IP address of the SIP Server.	0. 0. 0. 0

Dial	Parameter	Description	Default
28	SIP SERVER PORT	Sets the port number of the SIP Server.	05060
29	SIGNAL PORT	Sets the IP UDP port number for signalling.	10000
32	SEND CLIP TABLE	Sets the table number programmed in <a href="#">MMC 323</a> that will be sent as caller information when calling through the VoIP network. If set as 'None' the number programmed in <a href="#">MMC 405</a> is used.	1
33	INCOMING MODE	For VoIP incoming calls, sets whether to use the received called party number, or to follow <a href="#">MMC 714</a> , or to use the destination specified for each C.O. line in <a href="#">MMC 406</a> .	Follow DID Trans
34	ALLOW GW CHECK	Allows Gateway IP check.	DISABLE

## ACTION

1. Open programming and select **837**  
Display shows
2. Dial option number 00–34  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Enter parameter value or press VOLUME keys to select, as required
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

GATEWAY CALL ID 1234
-------------------------

GATEWAY CALL ID <u>1</u> 234
---------------------------------

**Default Data: See table above.**

**Related Items: None**

# MMC: 838

## PRIVATE IP

FOR: OS500

**Purpose:** Displays the IP addresses of ITP phones and MGI cards that are within your private network and considered by the system as private IP addresses for the purpose of using NAT (Network Address Translation). You can enter or change these addresses if required.

### ACTION

1. Open programming and select **838**  
Display shows
2. Dial number (01–80)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Enter address via dial keypad
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

PRIVATE IP (01)  
0. 0. 0. 0

PRIVATE IP (02)  
0. 0. 0. 0

PRIVATE IP (02)  
255. 255. 255. 255

**Default Data:** 0.0.0.0

**Related Items:** None

# MMC: 840

## IP SET INFORMATION

FOR: OS500

**Purpose:** Sets the parameters for Internet Phones connected to the system.

Parameter	Description	Default
USER ID	ID used to confirm new connection of a registered phone.	None
USER PSWD	Password used to confirm new connection of a registered phone.	None
IP ADDRESS	The IP address of the IP phone.	0.0.0.0
MAC ADDR	The hardware address of the IP phone (read only).	FFFFFFFFFFFF
SIG PORT	Port number used for signalling between IP terminals and the system (this is adjusted for traversing firewalls if necessary).	06000
VOICE PORT	Port number used for voice transmission between IP terminals and the system (this is adjusted for traversing firewalls if necessary).	09000
IP TYPE	Type of IP address (0. PRIVATE, 1. PUBLIC).	PRIVATE
DSP TYPE	G.729A or G.711.	G.729A
PHONE TYPE	Type of IP phone (0. SAMSUNG, 1. SIP STANDARD).	SAMSUNG
REGIST CLR	Deletes the registered IP phone data.	None
FRAME CNT	Frame count (1–4 x10MS).	4x
JITTER BUF	Jitter buffer (1–9 x10MS).	9x
TOS FIELD	Type of service packets.	00000000
SW VERSION	Software version (read only).	S/W Version
SW UPGRADE	Software upgrade (read only).	S/W Version

### ACTION

1. Open programming and select **840**  
Display shows
2. Dial phone number  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Press VOLUME keys to select option and press RIGHT soft key
4. Enter data for selected option
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

[3201] USER ID  
3201

[3201] USER ID  
3201

**Default Data:** See table above

**Related Items:** None

# MMC: 841

# SYSTEM IP OPTIONS

FOR: OS500

**Purpose:** Sets a number of options for Internet Phones connected to the system.

Option	Description
PHONE VERSION	View phone version data
PHONE TFTP IP	Connection IP address for upgrade program
ITP REGISTRATION	System password and phone password
EASYSET OPTION	Password + "alive" time for Easyset server connection
CTI LINK OPTION	Send SMDR display data to CTI link (Yes/No) Send UCD display data to CTI link (Yes/No) Set "alive" time for link
ITP DSP PARA	Display parameters: Frame count / jitter buffer etc
ITP TX GAIN/HSET	Set level for TX gain for handset
ITP RX GAIN/HSET	Set level for RX gain for handset
ITP TX GAIN/MIC	Set level for TX gain for microphone
ITP RX GAIN/SPKR	Set level for RX gain for speaker
ITP VERS UPGRADE	Upgrade version (Type/start/interval)
MGI ALIVE PERIOD	Period between polling MGI cards for availability (disabled if set to zero)

## ACTION

1. Open programming and select **841**  
Display shows
2. Press VOLUME keys to select option (see table above) and press RIGHT soft key
3. Press VOLUME keys to select other options as required
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

PHONE VERSION  
LARGE DGP : 0000

PHONE VERSION  
LARGE DGP : 0000



**Default Data:**

<b>PHONE VERSION:</b>	Depends on phone type
<b>PHONE TFTP IP:</b>	0.0.0.0
<b>ITP REGISTRATION:</b>	Password=1234
<b>EASYSET OPTION:</b>	Password=1234, Alive time=0 sec
<b>CTI LINK OPTION:</b>	SMDR=No, UCD=No, Alive time=300 sec
<b>ITP DSP PARA:</b>	Frame count=10mS, Jitter buffer size=20mS, TOS field=00000000, Down=System data
<b>ITP TX GAIN/HSET:</b>	(Level) 1=23, 2=24, 3=25, 4=26, 5=27, 6=28, 7=29, 8=30
<b>ITP RX GAIN/HSET:</b>	(Level) 1=22, 2=24, 3=26, 4=28, 5=30, 6=32, 7=34, 8=36
<b>ITP TX GAIN/MIC:</b>	(Level) 1=23, 2=24, 3=25, 4=26, 5=27, 6=28, 7=29, 8=30
<b>ITP RX GAIN/SPKR:</b>	(Level) 1=16, 2=18, 3=20, 4=22, 5=24, 6=26, 7=28, 8=30, 9=32, 10=34, 11=36, 12=38, 13= 40, 14=42, 15=44, 16=46
<b>ITP VERS UPGRADE:</b>	Type=MMC Command, Start=22 (HH) 22 (MM), Interval=10 sec
<b>MGI ALIVE PERIOD:</b>	5 sec

**Related Items:** None

# MMC: 845

# WLI PARAMETERS

**FOR:** OS500

**Purpose:** Sets the parameters for the WLI card and up to eight Wireless Base Stations (WBS).

For the WLI card, the options are:

Parameter	Description
SYSTEM ID	ID used to identify systems in the wireless environment. Different IDs are used for each system.
SYSTEM KEY	Key used for registering wireless terminals. Different keys are used for each system.
1 <sup>st</sup> DNS IP	IP address of the first Domain Name Server (DNS).
2 <sup>nd</sup> DNS IP	IP address of the second DNS.
2 <sup>nd</sup> WBS IP	IP address of all WBS in the system used by the wireless terminals. Different IPs are assigned to each system.
CODEC LIST	Codec that can be used for VoIP calls between WBS and terminals. G.711u, G.711a, G.726, and G.729 may all be designated.

For each WBS (WBS1 to WBS8), the options are:

Parameter	Description
IP ADDRESS	The IP address
GATEWAY	Gateway address of network on which WBS is installed
NET MASK	Netmask of network on which WBS is installed
MAC ADDR	MAC address of WBS that the system received when WBS was connected to the system
VERSION	Current software version
STATUS	Operational status (On/Off)
USE RF CH.	The RF channel number used

## ACTION

1. Open programming and select **845**  
Display shows
2. Press VOLUME keys to select WLI or WBS(1–8)  
and press RIGHT soft key
3. Press VOLUME keys to select other options as re-  
quired

## DISPLAY

WLI : SYSTEM ID  
WBS24

WLI : SYSTEM ID  
WBS24

4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

**Default Data:**

**WLI Card**

SYSTEM ID	WBS24
SYSTEM KEY	00000
1 <sup>st</sup> DNS IP	0.0.0.0
2 <sup>nd</sup> DNS IP	0.0.0.0
2 <sup>nd</sup> WBS IP	106.200.16.5
CODEC LIST	CODEC 1 : G.726 CODEC 2 : G.729 CODEC 3 : G.711a CODEC 4 : G.711u

**WBS**

IP ADDRESS	0.0.0.0
GATEWAY	0.0.0.0
NET MASK	255.255.255.0
MAC ADDR	0000 0000 0000
VERSION	None
STATUS	OFF
USE RF CH.	WBS1: 01, WBS2: 04 WBS3: 07, WBS4: 10 WBS5: 03, WBS6: 06 WBS7: 09, WBS8: 02

**Related Items: None**

# MMC: 846

## WIP INFORMATION

FOR: OS500

**Purpose:** (This is a read-only MMC.)

Displays data for wireless terminal devices.

0	REGISTERED	Displays whether the wireless terminal is registered.
1	LOCATED	Displays whether the terminal is connected to the system.
2	PHONE TYPE	Displays the type of the terminal.
3	WLI NUMBER	The WLI number through which the terminal is connected to the wireless base station (WBS24).
4	WBS NUMBER	The number of the WBS24 in service where the terminal is in use.
5	IP OFFSET	Location of the IP pool where the IP of the terminal is located.
6	IP ADDRESS	IP address assigned to the terminal.
7	MAC ADDR	MAC address of the terminal.
8	USER ID	User ID of terminal.
9	PASSWORD	User password of terminal.

### ACTION

1. Open programming and select **846**  
Display shows
2. Press VOLUME keys to select device number and press RIGHT soft key
3. Press VOLUME keys to select option and press RIGHT soft key
4. Press VOLUME keys to select other options as required
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

[3301] REGISTERED  
NO

[3301] REGISTERED  
NO

[3301] REGISTERED  
NO

**Default Data:** None

**Related Items:** None

# MMC: 847

## WLI RESET

**FOR:** OS500

**Purpose:** Used to reset the WLI card or each Wireless Base Stations (WBS1–8). The operational status of the WBS can also be displayed. The read-only status display takes the format:

WBS STATUS  
X X X X X X X X

where X is either “N” (no) or “Y” (yes) for each WBS.

For example, the following action will reset WBS1.

### ACTION

1. Open programming and select **847**  
Display shows
2. Press VOLUME keys to select option and press  
RIGHT soft key
3. Press VOLUME keys to select YES and press  
RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

WLI RESET  
RESET NOW ? NO

WBS 1 RESET  
RESET NOW ? NO

WBS 1 RESET  
RESET NOW ? YES

**Default Data:** None

**Related Items:** None

# MMC: 848

# WLAN IP/MAC

FOR: OS500

**Purpose:** Allows you to enter IP or MAC addresses of wireless terminals. The address must be entered before the terminals can be registered. If a terminal having the same IP address is already registered, the number of the existing terminal is displayed after 'USED:' in the display.

## ACTION

1. Open programming and select **848**  
Display shows
2. Dial 0 to select IP (address) or 1 to select MAC (address)  
OR  
Press VOLUME keys to select and press RIGHT soft key
3. Dial index number of terminal (001–100)  
OR  
Press VOLUME keys to select and press RIGHT soft key
4. Enter IP address of terminal
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

IP : 001 USED: 0. 0. 0. 0
------------------------------

IP : 001 USED: 0. 0. 0. 0
------------------------------

IP : 002 USED: 0. 0. 0. 0
------------------------------

IP : 002 USED: 165.213.145.002
-----------------------------------

**Default Data:** IP address = 0.0.0.0  
MAC address = FFFFFFFFFF

**Related Items:** None

# MMC: 849

# WLAN CONFIGURATION

**FOR:** OS500

**Purpose:** Sets the options required in order to register wireless terminals.

WLI REGISTRATION	Enables or disables registration of terminals
WIP REGIST CLEAR	Clear terminal registration: 'FORCED' or 'NORMAL' mode. FORCED mode is used to clear system data if a terminal is faulty. In NORMAL mode, the system and terminal exchange messages and delete registered data.
WBS WEP SERVICE	Enables WBS Security. The WEP key must be entered in advance.
WEP KEY	WEP KEY is the password key used for WBS Security identification.

## ACTION

1. Open programming and select **849**  
Display shows
2. Enter password (default is '0000' but can be changed in [MMC 202](#))
3. Press VOLUME keys to select option and press RIGHT soft key
4. Press VOLUME keys to select ENABLE/DISABLE
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

ENTER PASSWORD

ENTER PASSWORD  
\*\*\*\*

WLI REGISTRATION  
DISABLE

WLI REGISTRATION  
ENABLE

**Default Data:** Password=0000

**Related Items:** None

# MMC: 850 SYSTEM RESOURCE DISPLAY

FOR:	iDCS100	iDCS500	OS500
------	---------	---------	-------

**Purpose:** (This is a read-only MMC.)

Displays used and free resources. Options are:

- 0. DTMFR DSPs
- 1. CID DSPs (iDCS500 & OS500 only)
- 2. R2MFC DSPs (iDCS500 & OS500 only)
- 3. CONF GROUPS

## ACTION

- 1. Open programming and select **850**  
Display shows
- 2. Press VOLUME keys to select option
- 3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

DTMFR DSP'S USE:000 FREE:032
---------------------------------

CID DSP'S USE:000 FREE:000
-------------------------------

**Default Data:**      **None**

**Related Items:**      **None**



# MMC: 851

# ALARM REPORT

**FOR:** **iDCS100** **iDCS500** **OS500** **(iDCS systems must have a LAN interface installed.)**

**Purpose:** Views, stores, prints or clears system alarms. Two levels of faults are displayed: major alarms and minor alarms. Major alarms are usually service-affecting and require a certified technician to determine the fault. A minor alarm indicates a fault that may or may not be service-affecting and usually does not seriously degrade the system's operating capabilities. The alarm buffer will hold up to 100 alarms on a first in/first out (FIFO) basis.

Alarms provide a date and time stamp based on the system time. If applicable, the hardware cabinet, port, and/or slot will be displayed. If an ALARM I/O port is programmed in [MMC 804](#), alarm information can be printed on demand and also as alarm information is provided.

## ALARM REPORTING OPTIONS

**VIEW ALARM:** View alarm buffer (see [Alarm Code Table](#), below)

**OVERFLOW CONTROL:**

- **OVERWRITTEN:** When buffer is full, the oldest entry in buffer overwritten.
- **STOP RECORDING:** When buffer is full, stop recording alarms.

**CLEAR ALARM BUF:** Clears alarm buffer.

**PRINT ALARM BUF:** Prints contents of alarm buffer to the assigned alarm I/O port.

## Procedure to View Alarms

### ACTION

### DISPLAY

1. Open programming and select **851**  
Display shows
2. Press VOLUME keys to select option (e.g. VIEW ALARMS)
3. Press VOLUME keys to select alarm e.g. 01  
Displays date and time  
(C=cabinet S=slot P=port)
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

SYS ALARM REPORT VIEW ALARMS
---------------------------------

[00] 10/23 12:27 MJC14 C1-S10
----------------------------------

[01] 10/23 12:27 MJC14 C1-S10
----------------------------------

## Procedure to Print or Clear Alarms

### ACTION

1. Open programming and select **851**  
Display shows
2. Press VOLUME keys to select CLEAR or PRINT
3. Press RIGHT soft key
4. Press VOLUME keys to select YES/NO and press  
RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

### DISPLAY

SYS ALARM REPORT  
VIEW ALARMS

SYS ALARM REPORT  
CLEAR ALARM BUF

SYS ALARM REPORT  
ARE YOU SURE:NO

SYS ALARM REPORT  
ARE YOU SURE:YES

**Default Data:** Alarm Buffer Overwritten

**Related Items:** MMC 852 Assign System Alarms

### ALARM CODE TABLE

(Your system may not support all the codes listed here.)

ALM CODE	ALARM	DEFINITION
MJA01	POR Restart	MCP restart process has been executed via power on restart (POR).
MJA02	Soft Restart	MCP restart process has been executed via button reset.
MJA03	Mem Reset	The system RAM has been cleared via manual programming (PCMMC or KMMC) resulting in a system reset.
MJA04	MCP Reset	The MCP has reset. Alarm data = Reason <ul style="list-style-type: none"> <li>- BUS ERR: Restart Bus Error</li> <li>- ADDR.ERR: Restart Address Error</li> <li>- ILLEGAL: Restart Illegal opcode</li> <li>- ZERO DIVID: Restart Zero divide</li> <li>- PRIVILEGE: Restart Privilege Violation</li> <li>- VECTOR 1: Restart Auto Vector Level 1</li> <li>- DTACK RD: Restart Auto Vector Level 2</li> <li>- DTACK WR: Restart Auto Vector Level 3</li> <li>- VECTOR 4: Restart Auto Vector Level 4</li> <li>- VECTOR 5: Restart Auto Vector Level 5</li> <li>- VECTOR 6: Restart Auto Vector Level 6</li> <li>- WR PROTECT: Restart Auto Vector Level 7</li> <li>- ENDL LOOP: Restart Endless Loop</li> </ul>
MJA05	LCP Reset	The SCP or LCP has reset Alarm data = Cabinet (1, 2 or 3)
MJB02	Memory Alarm 1	A RAM diagnostic check error has occurred in the MCP.
MJB03	Memory Alarm 2	A RAM diagnostic check error has occurred in the SCP.
MJB04	Memory Alarm 3	A RAM diagnostic check error has occurred in the LCP1.
MJB05	Memory Alarm 4	A RAM diagnostic check error has occurred in the LCP2.

ALM CODE	ALARM	DEFINITION
MJB06	IPC MSGQ Over	IPC TX queue full error has occurred in the MCP. Alarm data = IPC Queue type (MCP-LAN, MCP-SCP, MCP-LCP1, MCP-LCP2)
MJB06	IPC MSGQ Under	IPC TX queue under error has occurred in the MCP. Alarm data = IPC Queue type (MCP-LAN, MCP-SCP, MCP-LCP1, MCP-LCP2)
MJB07	Task MSGQ Over	Task MSG queue full error has occurred in the MCP. Alarm data = Error Task Kind (CNFG, ERRH, NPER, MSGH, DIGH, SMART, CALL, PPER, SMDR, TMMC, IDLE)
MJB07	Task MSGQ Under	Task MSG queue under error has occurred in the MCP. Alarm data = Error Task Kind (CNFG, ERRH, NPER, MSGH, DIGH, SMART, CALL, PPER, SMDR, TMMC, IDLE)
MJC01	DTMF Fault	An abnormal interrupt has occurred in the system DTMF resources. Alarm data = DTMF Receiver number (BASE, MISC)
MJC02	Tone Fault	An abnormal interrupt has occurred in the system tone resources, i.e. busy, ringback, error, no more calls etc. Alarm data = TONE Receiver number (BASE, MISC)
MJC10	AA-DTMF Fault	An abnormal fault reported in one of the systems AA card DTMF resources. Alarm data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MJC11	AA-MFR Rec	An abnormal fault reported in one of the systems AA card DTMF resources has recovered. Alarm data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MJC12	E911 Restart	The E911 card has restarted. Alarm data = Cabinet, Slot (Cx-Syy)
MJC13	E911 Block	The E911 card has restarted because the system detected the card does not work correctly. Alarm data = Cabinet, Slot (Cx-Syy)
MJC14	VoIP Restart	The ITM3/MGI card has restarted. Alarm data = Cabinet, Slot (Cx-Syy)
MJC15	VoIP Block	The ITM3/MGI card has restarted because the system detected the card does not work correctly. Alarm data = Cabinet, Slot (Cx-Syy)
MJD01	Sync Failure	Clocking on TEPRI cards has become asynchronous.
MJD02	Sync Recovery	Clocking on TEPRI cards has become synchronous.
MJD03	Red Alarm	Locally detected loss of PCM carrier on TEPRI card for more than 250 ms. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD04	Red Alarm Rec	PCM carrier detected locally on TEPRI cards. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD05	Yellow Alarm	Remotely detected failure transmitted in frame on TEPRI card. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD06	Yellow Alarm Rec	Remotely detected failure restored transmitted on TEPRI card. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD07	Blue Alarm	All 1's being transmitted on facility on TEPRI card. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD08	Blue Alarm Rec	A blue alarm condition has been cleared. Alarm Data = Cabinet, Slot (Cx-Syy)

ALM CODE	ALARM	DEFINITION
MJD09	Bit Error Alarm	Alarm is activated when the when error rate exceeds $1 \times 10^{-6}$ errors. Note: $1 \times 10^{-6}$ is threshold for minor alarm; $1 \times 10^{-3}$ is threshold for major alarm errors on E1, PRI or BRI. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD10	NTWRK Event	An Implausible event has occurred on the PRI or BRI Network digital line. Protocols do not match or subscriber ID mismatch. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD11	SPID Init Error	The BRI received an error from the network Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD12	SPID Init Rec	The BRI has recovered from an error on the network Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD13	LPBK Error	Internal on-demand loopback failed. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD14	LPBK Recovery	Internal on-demand loopback test passed. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD15	BRI DL Unavail	A BRI data link is out of service. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD16	BRI DL Recovery	A BRI data link is back in service. Alarm Data = Cabinet, Slot, Channel (Cx-Syy-czz)
MJD17	RAM Error	An error has occurred in the TEPRI or BRI card RAM. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD18	E1 Restart	The E1 card has restarted Alarm Data = Cabinet, Slot (Cx-Syy)
MJD19	PRI Restart	The PRI card has restarted Alarm Data = Cabinet, Slot (Cx-Syy)
MJD20	BRI Restart	The BRI card has restarted Alarm Data = Cabinet, Slot (Cx-Syy)
MJD21	PCM Loss	Loss of PCM coding on a digital facility. Alarm Data = Cabinet, Slot (Cx-Syy)
MJD22	PCM Recovery	Recovery of PCM coding on a digital facility. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF01	Card Out	A circuit card mounted in a universal slot has been removed from service or is not recognised by the system Alarm Data = Cabinet, Slot (Cx-Syy)
MNF02	Card In	A circuit card mounted in a universal slot has been returned to service. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF03	IPC Error	Inter processor communication error has occurred. Alarm Data = Cabinet-Slot (Cx-Syy)
MNF04	Trunk Fault	Out of service trunk detected via loop detect. Internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF05	Trunk Recovery	Out of service trunk detected via loop detected as out of service is now operational. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)

ALM CODE	ALARM	DEFINITION
MNF06	Trunk Disconnect	Out of service trunk detected via seizure of trunk. External seizure test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF07	Trunk Connect	Out of service trunk recovered via seizure of trunk External seizure test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF08	SIO TxQ Over	SIO Tx Queue full error has occurred in the MCP. Alarm Data = SIO number (SIO:x)
MNF09	SIO TxQ Under	SIO Tx Queue under error has occurred in the MCP. Alarm Data = SIO number (SIO:x)
MNF10	E1 Out Of Srv	E1 Digital line status has been changed to out of service. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF11	E1 In Service	E1 Digital line has been restored to normal service. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF12	SIO Out	IO port has lost DTR Alarm Data = SIO number (SIO:x)
MNF13	SIO In	IO port has regained DTR. Alarm Data = SIO 1 through 3
MNF14	TODC Error	Time of Day Clock in the MCP in error.
MNF15	TSW Over Alarm	TSW has been requested to exceed the capacity of available time slots. Maximum 192 per cabinet. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF16	PSU Alarm	Indicates there are over 56 ports in a cabinet with a single PSU and more power is required. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF17	PSU Alarm Rec	A second PSU has been recognised when added after alarm condition of: Alarm Data = Cabinet, Slot (Cx-Syy)
MNF18	SLI Fault	An SLI card has been detected as out of service via an internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF19	SLI Recovery	An SLI card detected as out of service has been detected as recovered and is in service via internal CODEC test. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF20	PSUB Alarm	Indicates there are over 120 ports in a cabinet with two PSUs. Alarm Data = Cabinet, Slot (Cx-Syy)
MNF21	DSS Alarm	System capacity of 64-button DSS modules has been exceeded.
MNF22	Phone Disconnect	Indicates the keyset is disconnected. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF23	Phone Connect	Indicates the keyset is connected. Alarm Data = Cabinet, Slot, Port (Cx-Syy-Pzz)
MNF24	NOT USED	FUTURE USE
MNF25	NOT USED	FUTURE USE
MNF26	SIO RxQ Over	SIO Rx Queue full error has occurred in the MCP. Alarm Data = SIO number (SIO:x)
MNF27	SIO RxQ Under	SIO Rx Queue under error has occurred in the MCP. Alarm Data = SIO number (SIO:x)

# MMC: 852

# ASSIGN SYSTEM ALARMS

**FOR:** **/DCS100** **/DCS500** **OS500** **(iDCS systems must have a LAN interface installed.)**

**Purpose:** Assigns system alarms to ring and display on stations that have a System Alarm key programmed in [MMC 722](#). System Alarm key programming is tenant-wide on /DCS500 and OS500 systems (tenants 1 and 2). Alarms not programmed to report to the System Alarm key will still be retained in the maintenance alarm buffer for alarm reporting ([MMC 851](#)). The alarm buffer holds up to 100 alarms on a First In/First Out (FIFO) basis. Pressing the System Alarm key will silence the audible alarm until another alarm is generated by the system. Alarm conditions that have multiple causes (e.g. E1 errors and synchronization loss) will print all associated alarm information if an SIO port is programmed as an ALARM port in [MMC 804](#). The specific fault alarm data can be displayed via MMC 851.

Note: Alarm Notification Off/On (0/1) determines if the alarm provides a visual and audible notification to the System Alarm key station(s). Pressing the System Alarm key and the ANS/RLS key will silence the audible alarm only at the station at which these keys were pressed.

Refer to the Alarm Code Table in [MMC 851](#). Codes MJA01 to MNF27 are designated numbers 01–87 respectively in MMC 852, and each is selectable ON/OFF.

## ACTION

1. Open programming and select **852**  
Display shows
2. Press VOLUME keys to select alarm number and press RIGHT soft key
3. Press VOLUME keys to select alarm ON/OFF (e.g. ON) and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

01:MJA01 ACT:OFF  
POR Restart

01:MJA01 ACT:OFF  
POR Restart

01:MJA01 ACT:ON  
POR Restart

**Default Data:** **All alarms OFF**

**Related Items**  
**MMC 501 System Timers**  
**MMC 722 Station Key Programming**  
**MMC 723 System Key Programming**  
**MMC 851 Alarm Report**  
**MMC 853 Maintenance Busy**

# MMC: 853

# MAINTENANCE BUSY

**FOR:** **iDCS100** **iDCS500** **OS500**

**Purpose:** Puts stations, trunks and common resource equipment in a 'maintenance busy' condition. This can be used to isolate suspected intermittent problem equipment. A station placed in maintenance busy will behave like a station in DND when called. The station's display and any calling station's display (if equipped) will show "MADE BUSY". Stations receiving DDI or E&M type calls will receive a DND/No more calls tone. The station display will still function with station name, time and date. When a busy station is called, it will function like a locked-out station. Trunks made busy cannot originate calls. Ringdown type trunks will still ring the programmed destination. Common resource equipment such as DSPs and CID DSPs, and miscellaneous equipment such as page ports, AA ports or voice mail card ports, can also be placed in a maintenance busy state.

## MAINTENANCE BUSY OPTIONS

- 0. **TRK** = Trunks
- 1. **STN** = Stations
- 2. **PAGE** = Page Ports
- 3. **AA** = Auto Attendant card ports
- 4. **DTMFR** = DSP receiving DTMF
- 5. **CID** = DSP receiving CID
- 6. **R2MFC** = DSP receiving R2MFC
- 7. **CONF** = DSP for conference
- 8. **MGI** = MGI Port

Selectable states are 0:Idle and 1:Busy. (Display will show IDLE if an option—e.g. CID DSP—is not available.)

### ACTION

1. Open programming and select **853**  
Display shows
2. Press VOLUME keys to select option (e.g. STN) and press RIGHT soft key
3. Press VOLUME keys to select station number (e.g. 211) and press RIGHT soft key
4. Dial 0 or 1 for IDLE/BUSY (e.g. BUSY)  
OR  
Press VOLUME keys to select and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

MAINTENANCE BUSY  
TRK :NONE →

MAINTENANCE BUSY  
STN :NONE →

MAINTENANCE BUSY  
STN :211 →IDLE

MAINTENANCE BUSY  
STN :211 →BUSY

**Default Data:** **All IDLE**

**Related Items:** **MMC 851 Alarm Report**  
**MMC 852 Assign System Alarms**

# MMC: 854

# DIAGNOSTIC TIME

<b>FOR:</b>	<b>iDCS100</b>	<b>iDCS500</b>	<b>OS500</b>	<b>(iDCS systems must have a LAN interface installed.)</b>
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**Purpose:** Sets the Diagnostic Time. The system diagnostics tests include memory audits, internal loop-back tests on digital trunks, and DSP and AA DSP tests. Additional tests include CODEC tests on analogue trunk and station cards and tone tests. If the diagnostics cannot complete the tests because of system traffic, the system will abort the test and retry during the next programmed diagnostic time. It is recommended that you assign the diagnostic time during non-peak traffic periods.

## DIAL PAD DAY SELECTION

0= Sunday	4 = Thursday
1= Monday	5 = Friday
2 = Tuesday	6 = Saturday
3 = Wednesday	

## ACTION

1. Open programming and select **854**  
Display shows
2. Dial day selection 0–6 (e.g. MON)  
OR  
Press VOLUME keys to select day and press RIGHT soft key
3. Enter hour in 24-hour clock format (e.g. 23 is 11pm)
4. Enter minutes in 24-hour clock format (e.g. 30)  
  
(In this example, testing will start at 11.30pm on Monday)  
  
System returns to step 2
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

DIAGNOSTIC TIME SUN:    :
------------------------------

DIAGNOSTIC TIME MON: _ :
-----------------------------

DIAGNOSTIC TIME MON: 23 :_
-------------------------------

DIAGNOSTIC TIME MON: 23 :30
--------------------------------

**Default Data:**        **None**

**Related Items:**        **MMC 852 Assign System Alarms**



# MMC: 855 DISPLAY SYSTEM OPTIONS

FOR: **iDCS500** **OS500**

## **Purpose:** (This is a read-only MMC.)

View status of daughterboards installed in the system. This enables you to review the available hardware without having to dismantle or power down the system to confirm if the hardware is installed.

### **iDCS500 'L' & OS500**

Display	Description
<b>MCP D-BD 1</b>	Shows MCP daughterboard #1
<b>MCP D-BD 2</b>	Shows MCP daughterboard #2
<b>MCP D-BD 3</b>	Shows MCP daughterboard #3
<b>MCP SW</b>	Shows DIP switch status of MCP
<b>C1 POWER-B</b>	Shows second power supply in Cabinet #1 (yes/no)
<b>SCP D-BD 1</b>	Shows SCP daughterboard #1
<b>SCP D-BD 2</b>	Shows SCP daughterboard #2
<b>SCP D-BD 3</b>	Shows SCP daughterboard #3
<b>LCP1 ONLINE</b>	Shows connection status of LCP1
<b>C2 POWER-B</b>	Shows second power supply in Cabinet #2 (yes/no)
<b>LCP1 D-BD 1</b>	Shows LCP1 daughterboard #1
<b>LCP1 D-BD 2</b>	Shows LCP1 daughterboard #2
<b>LCP1 D-BD 3</b>	Shows LCP1 daughterboard #3
<b>LCP2 ONLINE</b>	Shows connection status of LCP2
<b>C3 POWER-B</b>	Shows second power supply in Cabinet #3 (yes/no)
<b>LCP2 D-BD 1</b>	Shows LCP2 daughterboard #1
<b>LCP2 D-BD 2</b>	Shows LCP2 daughterboard #2
<b>LCP2 D-BD 3</b>	Shows LCP2 daughterboard #3
<b>CxSy VPM</b>	Shows VPM installed on Voice Mail card.
<b>CxSy SW</b>	Shows DIP switch status of TEPRI card.

### **iDCS500 'M'**

Display	Description
<b>MCP D-BD 1</b>	Shows MCP daughterboard #1
<b>MCP D-BD 2</b>	Shows MCP daughterboard #2
<b>MCP D-BD 3</b>	Shows MCP daughterboard #3
<b>C1 POWER-B</b>	Shows second power supply in Cabinet #1 (yes/no)
<b>CxSy VPM</b>	Shows VPM installed on Voice Mail card.
<b>CxSy SW</b>	Shows DIP switch status of TEPRI card.

**ACTION**

1. Open programming and select **855**  
Display shows

(In this example, daughterboard 1 on the MCP card is an ESM card)

2. Press VOLUME keys to scroll through options
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**DISPLAY**

SYSTEM OPTIONS <u>M</u> CP D-BD 1 :ESM
---

SYSTEM OPTIONS <u>M</u> CP D-BD 2 :IPM
---

**Default Data:**      **None**

**Related Items:**      **None**

# MMC: 856

# PROGRAMMING LOGS

**FOR:** *iDCS100* *iDCS500* *OS500* (*iDCS systems must have a LAN interface installed.*)

## **Purpose:** (This is a read-only MMC.)

Lists the date, time and entry location of the last eight technician-level and customer-level programming accesses. This allows you to determine if there was unauthorised access to system programming and where this access occurred.

There are four types of access location information:

- NNN(N)** The extension number of a keyset that accessed programming (e.g. 211)
- MODEM** Indicates that programming was accessed by PCMMC via the integrated V90 modem attached to (i) the IOM board (*iDCS500* or *OS500*) or (ii) the MISC card (*iDCS100*).
- LAN** Indicates that programming was accessed by PCMMC via the LAN connection on (i) the IOM board (*iDCS500*) or (ii) the MEM4 card (*iDCS100*) or (iii) the MCP2 card (*OS500*)
- SIOx** Indicates that programming was accessed by PCMMC via (i) one of the SIO connections on the IOM board (*iDCS500* or *OS500*) or (ii) the MISC / MEM4 card (*iDCS100*)—where x is the number (1–4) of the SIO port that was used.

## **ACTION**

## **DISPLAY**

1. Open programming and select **856**

Display shows entry (1) with the start programming time and date (MM/DD/HH/MM) on the top line and the access location (e.g. station 211) and end date and time of programming on the lower line

(1)	10/14	10.17 →
211	: 10/14	10.18

2. Press VOLUME keys to scroll through options 1–8

(2)	10/24	14.17 →
211	: 10/24	14.18

3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

**Default Data:** **None**

**Related Items:** **MMC 200 Open Customer Programming**  
**MMC 800 Enable Technician Program**

# MMC: 858

## ASSIGN SYSTEM EMERGENCY ALARM

FOR:	iDCS100	iDCS500	OS500	(iDCS systems must have a LAN interface installed)
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**Purpose:** Assigns the alarms to be sent to the Remote M&A (remote maintenance and administration) PC via the LAN interface. Options are selectable ON/OFF.

Refer to the Alarm Code Table in [MMC 851](#). Codes MJA01 to MNF27 are designated numbers 01–87 respectively in MMC 858, and each is selectable ON/OFF.

### ACTION

1. Open programming and select **858**  
Display shows
2. Press VOLUME keys to select alarm number and press RIGHT soft key
3. Press VOLUME keys to select alarm ON/OFF (e.g. ON) and press RIGHT soft key
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

### DISPLAY

01:MJA01 ACT:OFF POR Restart
---------------------------------

01:MJA01 ACT:OFF POR Restart
---------------------------------

01:MJA01 ACT:ON POR Restart
--------------------------------

**Default Data:** All alarms OFF

**Related Items:** MMC 851 Alarm Reporting  
MMC 852 Assign System Alarms

# MMC: 859 HARDWARE VERSION DISPLAY

FOR: **iDCS500** **OS500**

**Purpose:** (This is a read-only MMC.)

Displays system hardware EPLD versions.

## iDCS500 'L' & OS500

Display	Description
<b>MCP CARD</b>	Shows MCP card version
<b>MCP B1</b>	Shows MCP daughterboard #1 version
<b>MCP B2</b>	Shows MCP daughterboard #2 version
<b>MCP B3</b>	Shows MCP daughterboard #3 version
<b>C1 M-BOARD</b>	Shows motherboard version of basic cabinet
<b>SCP B1</b>	Shows SCP daughterboard #1 version
<b>SCP B2</b>	Shows SCP daughterboard #2 version
<b>SCP B3</b>	Shows SCP daughterboard #3 version
<b>C2 M-BOARD</b>	Shows motherboard version of first expansion cabinet
<b>LCP1 B1</b>	Shows LCP1 daughterboard #1 version
<b>LCP1 B2</b>	Shows LCP1 daughterboard #2 version
<b>LCP1 B3</b>	Shows LCP1 daughterboard #3 version
<b>C3 M-BOARD</b>	Shows motherboard version of second expansion cabinet
<b>LCP2 B1</b>	Shows LCP2 daughterboard #1 version
<b>LCP2 B2</b>	Shows LCP2 daughterboard #2 version
<b>LCP2 B3</b>	Shows LCP2 daughterboard #3 version

## iDCS500 'M'

Display	Description
<b>C1 M-BOARD</b>	Shows motherboard version
<b>MCP CARD</b>	Shows MCP card version
<b>MCP B1</b>	Shows MCP daughterboard #1 version
<b>MCP B2</b>	Shows MCP daughterboard #2 version
<b>MCP B3</b>	Shows MCP daughterboard #3 version

## ACTION

1. Open programming and select **859**  
Display shows
2. Press VOLUME keys to scroll through options
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next  
MMC

## DISPLAY

H/W EPLD VERSION <u>M</u> CP CARD :V03
---

H/W EPLD VERSION <u>M</u> CP B1 :ESM :V01
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**Default Data:**      **Hardware versions**

**Related Items:**      **None**

# MMC: 860

# UCD VIEW SERVICE

FOR:	iDCS100	iDCS500	OS500
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**Purpose:** Determines the information to send in real time to the SIO port regarding the UCD queue status or UCD agent status.

The options are: UCD VIEW SERVICE (enable/disable) and SEND AGENT STATE (yes/no).

Note: To use this information, a special PC application is required. This is not supplied by Samsung.

## ACTION

1. Open programming and select **860**  
Display shows
2. Press VOLUME keys to select option (e.g. SEND AGENT STATE) and press RIGHT soft key  
  
Press VOLUME keys to select YES/NO and press RIGHT soft key
3. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

UCD VIEW SERVICE DISABLE
-----------------------------

SEND AGENT STATE YES
-------------------------

SEND AGENT STATE NO
------------------------

**Default Data:**      **UCD VIEW SERVICE: DISABLE**  
                         **SEND AGENT STATE: YES**

**Related Items:**      **None**

# MMC: 861

# SYSTEM OPTIONS

FOR: OS500

**Purpose:** Sets a number of system options

**Options are:**

AUTO UPDATE TIME	Updates the system time from the ISDN network (Enable / Disable)
SYSTEM SPEED BIN	Maximum number of system speed dials assigned to system (500 or 950)
IDLE WHEN ENBLOC	Enable/Disable
2-LINE ENBLOC	Enables Enbloc dialling on 2-Line LCD phones (Enable / Disable)

## ACTION

1. Open programming and select **861**  
Display shows
2. Press VOLUME keys to select option (see table above) and press RIGHT soft key
3. Press VOLUME keys to select other options as required
4. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

AUTO UPDATE TIME  
ENABLE

AUTO UPDATE TIME  
ENABLE

AUTO UPDATE TIME  
DISABLE

**Default Data:**      **AUTO UPDATE TIME=DISABLE**  
                         **SYSTEM SPEED BIN=500**  
                         **IDLE WHEN ENBLOC=DISABLE**  
                         **2-LINE ENBLOC=DISABLE**

**Related Items:**



# MMC: 890

# PORT CLEAR

FOR: OS500

**Purpose:** MCP2 card. Allows you to clear a call process or initialise the database for specific stations or C.O. lines.

Options are:

CALL CLEAR	Clear call process
DB INITIAL	Clear user set options

## ACTION

1. Open programming and select **890**  
Display shows
2. Dial station or line number (e.g. 202)  
OR  
Press VOLUME keys to select station and press RIGHT soft key
3. Dial 0 to select CALL CLEAR or 1 to select DB INITIAL  
Press VOLUME keys to select and press RIGHT soft key
4. Dial 1 to select YES or 0 to cancel  
OR  
Press VOLUME keys to select and press RIGHT soft key
5. Press Transfer/TRSF to store and exit  
OR  
Press SPEAKER to store and advance to next MMC

## DISPLAY

[201] CALL CLEAR  
ARE YOU SURE ? NO

[202] CALL CLEAR  
ARE YOU SURE ? NO

[202] DB INITIAL  
ARE YOU SURE ? NO

[202] DB INITIAL  
ARE YOU SURE ? YES

**Default Data:** None

**Related Items:** None

