



Bulletin No.: 117_iDCS100

July 23, 2004

iDCS 100 Software Release Version 1.34

Samsung Telecommunications America is delighted to announce the release of software version 1.34 (04.05.12) for the iDCS 100 system. This new version of software corrects a number of various problems. All iDCS 100 systems shipped beginning on July 25, 2004 will include the new software loaded on the MEM3/MEM4 card. MMC 210 and MMC 824 have been edited to support the new features/functionality of this software version. You will find the corrected MMCs at the end of this document. They will be incorporated into the Technical Documentation CD-ROM in the future.

Many Technicians have already installed version 1.34 software and assisted us with testing verification of the new software features and bug fixes. Our thanks to all who helped in this effort.

MODIFICATIONS

- 1. 2X4DLI Assigned as 2X3** A voice channel limitation has been identified in the iDCS100 system when using 2X4DLI and 2E&Mx4DLI cards plugged into universal slots 1 and/or 2 of the Expansion Cabinets A/B. Only 8 voice channels are allocated to slots 1 and 2 of the iDCS100 Expansion Cabinets A/B. The iDCS 100 processor requires two voice channels each to communicate with each DLI port. Two voice channels for the 2 trunks, plus 8 voice channels for the four DLI ports, therefore, a total of ten voice channels per slot are required to fully support the 2X4 DLI and 2X4E&M cards in slots 1 and 2 of the Expansion Cabinets A/B.

Please note that the 2X4DLI and 2E&MX4DLI card limitation only impacts slots 1 and 2 of Expansion Cabinets A/B because of the limited voice channels. The 2X4DLI and 2E&MX4DLI cards can be plugged into the other universal slots of the basic cabinet (16 channels), or slot 3 (16 channels) of expansion cabinet A, without limitations. Also, this limitation does not affect other universal cards such as the 8DLI, 2X4SLI, 3TRK, or 6TRK cards which can be plugged into any universal slot.

In order to prevent this limitation in voice channels from causing other problems, the main software (version 1.34) of the iDCS 100 has been modified to limit the 2X4DLI and 2E&Mx4DLI cards to operate as 2X3DLI cards and 2E&MX3DLI cards. The last DLI

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port on the card will be disabled. The software restricts these cards from accessing more voice channels than are available to the slots. This modification directly addresses several of the reported phantom problems associated with the 2X4DLI cards on the iDCS100 since its inception. This software modification solves the following reported problems:

- 2X4DLI & PRI PLL problem
- 2X4DLI static trunks
- 2X4DLI low volume
- 2X4DLI Inoperable DLI ports.
- 2X4DLI No CID

In summary the 2X4DLI and 2E&MX4DLI cards will only operate as a 2X3DLI if plugged into universal slots 1 and/or 2 of the iDCS 100 expansion cabinets A or B.

If you have a customer that has experienced some of the aforementioned problems, Please contact Technical Support about a possible software upgrade.

NEW ENHANCEMENTS

- 1. CTI Interface** – The software has been modified to include support for OfficeServ CTI Applications. In the future, several value-add CTI applications will be available for customers to enhance the functionality of the iDCS 100 system.
- 2. CO-CO TM ALL Option** – In MMC210 the CO-CO TM ALL option is added. When this option is set to ON, all trunks in the system will be effected by the CO-CO DISCONNECT timer. Any trunk connected for a period of time which exceeds the timer will automatically be disconnected and made available for other users in the system. This timer will prevent trunks which do not receive disconnect signals from the telco from remaining connected indefinitely after the call is terminated.
- 3. DISP Option is Added (MMC824)** – When this option set to ON, station numbers are displayed across the network. This option is helpful in a network environment. Users in the main system can now see the calling parties extension number from another node in the network prior to answering the call. If viewing the station number across the network is not desired, the option can be turned off.
- 4. REMO M/A Option** – In MMC804, this option had no practical use in the United States or Canada and has been removed.
- 5. DSP SSPDNAME** – When this option is turned on, the system speed dial name associated with a system speed dial number is displayed on the keyset in place of the speed dial number.

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BUG FIXES

1. **Unstable Modem Connection** – Modifications have been made to the software which improve the function of the integrated Modem card. It was reported that the modem card was intermittently not connecting or prematurely disconnecting during remote programming. This item has been corrected.
2. **BGM SOURCE Option** – The BGM source selections are cleared during a system power restart. This option should not be cleared. Modifications were made so the BGM source selection will remain even after a power restart. This item has been corrected.
3. **Auto Answer UCD Group** – In previous versions of software, when setting the auto answer feature for a UCD group, the feature did not work. With this modification, a station in a UCD group can be set to auto answer calls for the main number of the UCD group. This item has been corrected.
4. **Holiday Ring Plan** – When the holiday ring plan timer expired, the system does not return to base Ring Plan. With this item fixed, the system will now return to the normal ring plan once the holiday ring plan timer expires. For example, during the holiday, incoming calls will ring to an announcement that will say “We are closed for the holiday”. Once the holiday is over, the incoming caller will automatically revert back to the normal ringing pattern of ringing to the receptionist. This item has been corrected.
5. **AME One-Way Speech** – When using the answering machine emulation feature over a Q-SIG network, callers would experience one-way communications. With the modifications, a caller in a remote node of a network can receive incoming trunk calls, invoke the AME feature, and have complete two-way conversation with the calling party. This item has been corrected.
6. **System Reset** – Reports have been made to the technical support department about the iDCS 100 system periodically and randomly resetting for unknown reason. A problem associated with the Caller ID data received from telco was found to be the problem. This item has been corrected.
7. **Ring Plan Buttons** – When setting the Ring Plan buttons, the station(s) would not remain in the selected ring plan. Under normal conditions, when the ring plan is set to ON, the ring plan should remain in that ring plan indefinitely until the ring plan is turned off, another ring plan ON, or ring time override is selected. This item has been corrected.
8. **Cell Phone Call and CID Review List** – During an incoming PRI call from a cell phone (no CID name, just the number) to a station set for “NAME FIRST” the caller ID is delivered to the station. The telephone number displayed briefly on the top line display, and then “no CID name” is displayed. In the review list, cell phone calls in the list will show a blank display (no characters) instead of “no CID name”. Cell phone calls will now show “no CID name” This item has been corrected.

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9. **VT Key Transfer** – When using a VT transfer key, the ‘#’ digit is being added in front of the integration digits. This causes problems with the operation of retrieving voicemail messages from the SVMi Voice Processing Platform. By removing the ‘#’, when the VT key is pressed, the integration digits for respected station will properly be sent to the SVMi voicemail. Sending the correct integration digits will allow the SVMi to answer with the password greeting. This item has been corrected.
10. **Networked System Passing CLI (Adding Digits)** – When a station in a remote node places an outside call over tandem trunks, the main system added digits to the outgoing calling line identification number (CLI) of the calling station. This item has been corrected.
11. **Hold Recall** – When receiving a transferred call, then placing it on hold. After the hold recall timer expired, the call recalls to the station, then follows the call forward recall timer instead of the transfer recall timer. Changes have been made to the software for the recall to take effect on the parameter (transfer recall or call forward recall) with the shortest recall timer. This item has been modified.
12. **Network Systems will not pass 19+ Digits** – When an station in a remote node places an outgoing call over tandem trunks, the main system will not send more than 18 digits to the telco. This had an effect on international calling. This item requires MCP software version 1.34 and TEPRI software version 1.06. This item has been corrected.
13. **SMDR via LAN** – The SMDR data stream would not output to the assigned TCP/IP port 5100. Now that this item is fixed, the SMDR output can be sent to a printer through serial ports or to a LAN printer. This item has been corrected.

OFFICESERV MANAGER (formerly PCMMC)
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A compatible version of the OfficeServ Launch Pad (formerly PCMMC) software (version 1.01) and OfficeServ Manager (version 3.01) is also available for programming the iDCS 100 via a PC. This version of OfficeServ Manager is backwards compatible with earlier versions of iDCS 100 system software.

When using OfficeServ Manager software, some MMCs may display on the PC screen that do not apply to the version of software that is running in the iDCS system. These MMC entries are reserved for future use. When this occurs, the error message “NO CORRESPONDING DATA” will appear on the PC screen.

If you have any questions regarding this Product Bulletin, please contact your Regional Sales Manager, Customer Service Representative, at the number provided below, or send email to BCS.Sales@samsung.com.

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MMC: 210 CUSTOMER ON/OFF PER TENANT

DESCRIPTION:

Allows the system administrator to set in system features on a per-tenant basis. Each system option has a corresponding dialing number, as listed below. All options toggle ON/OFF.

DISA PSWD :ON	When this option is set to ON a caller must enter a 7 digit DISA password when they call a DISA trunk. When it is set to OFF a passcode is not required and the caller has full access to all features allowed on this trunk.
LCR ENABLE :OFF	This option determines whether the system will or will not route outgoing calls based on the information in the LCR routing tables contained in MMC's 710, 711, 712 and 713. LCR access code must be assigned in Dial Numbering Plan (MMC 724). System default is NO.
PERI UCD RPT :OFF	<p>When this option is turned ON a UCD report for each UCD group is printed periodically for an external display panel. The format of the print out is ASCII format. The format is as follows: ~0=1=2=3=4=5=6=7=8=9\n\d</p> <p>~: smdi header =: delimiter 0: UCD group number (1-4 digits) 1: total answered call count (0-99999) 2: unanswered call count (0-99999) 3: all agents busy count (0-99999) 4: average ring time (0-99999 in seconds) 5: average call time (0-99999 in seconds) 6: total all busy (0-99999 in seconds) 7: current queue count (0-99999) 8: longest queue time (0-99999 in seconds) 9: average queue time (0-99999 in seconds) \n: new line \d: carriage return</p>
CID CODE INSERT:ON	When this option is ON the system will insert the digit "1" when receiving CID information. When OFF the digit "1" will not be inserted in the CID information. This option is tenant wide. In certain areas the central offices are using a 10 digit numbering plan for calls. This feature can reduce the number of LCR digit table inputs in those areas that use the CID display callback feature. System default is ON.

MMC: 210

DISA MOH :OFF	When this option is turned ON outside parties will hear trunk MOH instead of dial tone from the time the system answers a DISA trunk until the caller dials a digit. System default is OFF.
DSP SSPDNAME: OFF	When ON, the system speed dial name associated with a system speed dial number is displayed on a keyset equipped with an LCD display when using system speed dial.
TRANSFER MOH :OFF	When this option is turned ON outside parties will hear trunk MOH instead of ring back tone from the time a transfer is completed until the call is answered by an internal party. System default is OFF.
DID BSY ROUT :OFF	When this option is turned on a DID call directed to a busy station will reroute to the operator if camp on is set to OFF in MMC 714. If the option is set to ON the call will re route to the destination in MMC 406 for that trunk.
ALARM MOH: OFF	When ON allows stations to hear MOH after answering an alarm reminder call.
RECALL PICKUP :ON	When this option is turned on a call recalling to a station can be picked up using Direct Call Pickup, Pickup Group and My Group features. This applies to held calls recalling and transferred calls recalling to a station.
ICM EXT FWD :OFF	When this option is on call forward external is allowed when intercom calls are placed to a station that has Call Forward External programmed and set.
SEC 2 BOSS AA :ON	This option can stop calls from the secretary to the boss from 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.
DID ERR TONE :OFF	This option was added to provide error tone when an invalid DID number is received. The iDCS 100 error tone should not be sent to the public network in the USA.
TRSF CANCEL :OFF	When turned OFF a single line phone will be able to handle 2 calls simultaneously. Using the hook-flash to toggle between them. When turned ON a single line telephone will be able to connect to the 2 nd call, but pressing the h/f will not toggle between the two calls it will disconnect the 2 nd call and reconnect the single line telephone to the first call.
ISDN PROGCON:OFF	This option, when ON, determines if the system will wait for an answer signal before allowing DTMF to be sent on an ISDN circuit.

MMC: 210

DSS KEY DPU :OFF	When set to ON, the station can make a directed call pickup, by pressing the flashing DSS key of the ringing station.
SGR ALL OUT :ON	This option, when on, allows all members to log out of a station group.
TRK MONITER :ON	When set to ON, a barging party maintains the trunk connection, when the barged station goes on hook. When set to OFF, and the barged station goes on hook, all parties are disconnected.
VoIP MFRALOC :OFF	When set to ON, a DTMF receiver is assigned for VoIP tandem calling when a VoIP incoming trunk is connected to a VoIP outgoing trunk. Note: Except when H.245 signal mode is being used.
NTWK AUTOTMR:ON	This option only affects systems with LE software and controls whether an intercom call across the network link will have the auto timer come on when the call is received.
PERI UCD SIO:	When this option is set to ON the PERI UCD date is sent to the UCD port type of SIO port service, instead of the PERI UCD port type.
REDIAL REVW:OFF	When set to ON, this option will allow the user to review the last number dialed before dialing.
PROG. 2 ALERT: OFF	Not for US use.
VOIP VIR RBT: ON	This option is used to provide a virtual ringback tone on VOIP calls when set to ON. If set to OFF, ringback tone must be provided by the far end.
PRESET BUSY: OFF	When set to ON this option makes the preset forward no answer setting in MMC 316 act as forward on BUSY/NO ANSWER.
SMDR AUT2ACC: OFF	When this option is set to ON, the Authorization Code will be printed out in the Account Code field (up to 10 digits).
CO-CO TM ALL: OFF	When this option is turned ON, all trunks in the system will be affected by the CO-CO disconnect timer.

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right
SPK	Used to store data and advance to next MMC

MMC: 210

ACTION

1. Press TRSF 210
Display shows
2. Dial option number (e.g. 0)
Press RIGHT soft key to move cursor
3. Dial 1 for ON or 0 for OFF
OR
Press UP or DOWN to make selection and
press RIGHT soft key
4. Repeat steps 2-3 for other options
OR
Press TRSF to store and exit
OR
Press SPK to store and advance to next
MMC

DISPLAY

TEN. ON AND OFF
DISA PSWD :OFF

TEN. ON AND OFF
DISA PSWD :OFF

TEN. ON AND OFF
DISA PSWD :ON

RELATED ITEMS: LCR PROGRAMMING
MOH PROGRAMMING
CID PROGRAMMING
[MMC 714 DID TRANSLATION TABLES](#)
VMAA PROGRAMMING
[MMC 303 ASSIGN BOSS/SECRETARY](#)
[MMC 410 ASSIGN DISA TRUNK](#)

MMC: 824

NETWORK DIAL PLAN

[Enhanced Version Software Only (MEM 4)]

DESCRIPTION:

This MMC is the translation table that defines the extension dialing plan for the networked systems.

PROGRAMMED FIELD DESCRIPTIONS: PP:NONE → DDDD
 SIZE:X MAX:XX
 DISP:X MBX:X

PP	Dial Plan Number (01-96)
DDDD	Link ID and leading digits for the extension numbers in that switch (8 characters maximum)
SIZE	Number of digits in extension number (0-9)
MAX	Number of digits total (1-20) for ID number and extension number.
DISP	Station number is displayed across the network (Y/N).
MBX	Create mailbox for this extension range in this switch (Y/N).

PROGRAM KEYS

UP & DOWN	Used to scroll through options
KEYPAD	Used to enter selections
SOFT KEYS	Move cursor left and right

ACTION

DISPLAY

1. Press TRSF 824
Display shows
2. Press UP or DOWN key to select
Plan number and press RIGHT
soft key to move cursor
3. Enter LINK ID and FIRST DIGIT of
extension number using the keypad
and press RIGHT soft key to move cursor
4. Enter number of digits in the extension
number. Cursor advances to next field
5. Press UP or DOWN key to select
YES or NO for display option.
Cursor advances to the next field.

```
01: NONE→  
SIZE:0 MAX:00
```

```
01: NONE→  
SIZE:0 MAX:00
```

```
01: NONE→ 0033  
SIZE:0 MAX:04
```

```
01: NONE→ 0033  
SIZE:3 MAX:04
```

```
01: NONE→ 0033  
DISP:N MBX:N
```

MMC: 824

6. Dial maximum number of digits. Cursor advances to next field.
7. Press RIGHT softkey to make change and return to Step 1
8. Press TRSF to store and EXIT or Press SPK to store and advance to next MMC

01: NONE→ 0033
DISP:N MBX:N

DEFAULT DATA: NONE
SIZE: 0
MAX: 00
DISP: N
MBX: N

RELATED ITEMS: [MMC 821 Q-SIG TRUNK](#)
[MMC 823 NETWORK DIALING](#)
[MMC 825 NETWORK OPTIONS](#)