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Setting Up Networking on iDCS 500 and iDCS 100 Systems

This Technical Bulletin illustrates how easy it is to set up a simple network on the Samsung iDCS 500, and iDCS 100 phone systems. It shows how to configure a networked system with the ability to dial extension numbers between two nodes.

The following shows the configuration steps needed to network an iDCS 500 (Switch A), and an iDCS 100 (Switch B) with a point-to-point T1. For examples throughout this document, assume the following:

iDCS500 = Switch A: Node ID = 001; PRI (networking) trunk group 800; Networking trunk number = 7000-7023; Local Extensions = 2100-2199

iDCS100 = Switch B: Node ID = 002; PRI (networking) trunk group 800; Networking trunk number = 7000-7023; Local Extensions = 3100-3199

Each Node has its own Voicemail system.

After configuring the following MMC's, both Nodes will be able to call extensions at either location.

1. MMC 210 *Customer On/Off Per Tenant*: For both Nodes turn LCR "ON".
2. MMC 430 *PRI Control*: For both Nodes set all trunks 7000-7023 Any Channel to "NO"
3. MMC 603 *Assign Trunk Group*: For both Nodes put all Networking PRIs into group 800.
4. MMC 710 *LCR Digit Table*: For Both Nodes set the following. (The digit length includes the node number of other PBX plus the four digit extension number.)

Switch A		
Digit	Length	Route
002	07	1

Switch B		
Digit	Length	Route
001	07	1

5. MMC 711 *LCR Time Table*: For both Nodes set time settings Mon thru Sun to 00 zone 1
6. MMC 712 *LCR Route Table*: For both Nodes set the following.

A				
Route	Time	Class	Group	Modify
1	1	1	800	none

B				
Route	Time	Class	Group	Modify
1	1	1	800	none

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7. MMC 714 *DID Number and Name Translation*: For both nodes set the following. On Destination Field; An entry of B means that this entry will not leave this node, and will ring either an extension or group that match the dialing string.

Switch A			
Incoming Digits	Destination 1-6	Call Waiting	Del
21**	B	Y	0

Switch B			
Incoming Digits	Destination 1-6	Call Waiting	Del
31 **	B	Y	0

8. MMC 724 *Dial Number Plan*: Under Feature: Set LCR code to 9 on both nodes. Under N-LCR on Node A set index 1 to 31 for Tenant 1; On node B set index 1 to 21 for Tenant 1. These entries enable you to modify MMC 824.
9. MMC 824 *Network Dial Digit*: For both nodes set the following.

Switch A				
Dial Number	Digits	Mailbox	Wait Length	Max Digit
31	002-31	Y	4	7

Switch B				
Dial Number	Digits	Mailbox	Wait Length	Max Digit
21	001-21	Y	4	7

10. MMC 820 *Assign System Link ID*: Set switch ID for Node 1: self 001 other 002 Set switch ID for Node 2: self 002 other 001
11. MMC 821 *Assign Q-SIG Mode*: For both nodes set trunk 7000 for QSIG

If you have any questions about this or any other Technical bulletins please contact Technical support by phone at 1-800-737-7008 or by email at: BCS.Support@Samsung.com