ISDN DEFINITY Extender Quick Installation Guide



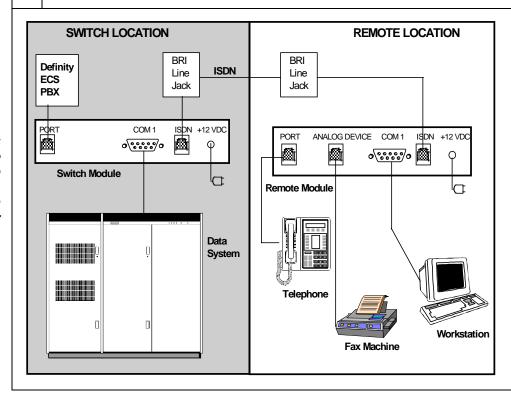
Verify Site Requirements	1	а	The customer must furnish the	e following:		
A			ISDN line installed at module)	the switch site (one ISE	ON line is required for	each switch
45			ISDN line installed for	each remote module.		
Installation cannot proceed until these requirements are met.			One extra ISDN line a purposes.	vailable at the switch s	ite for acceptance te	sting
met.		All switch translations complete for the station(s) being connected.				
This procedure assumes you will set up both the switch and remote modules. If you are			module. Extension nu	ole (TN-2181 or TN-222 umber: e switch module (UPS		
configuring only the remote module,	DEFINITY digital display telephone (supported sets are					16, 6424,
complete sections 1 and 2 as applicable,				te user [add 6-8 digits t	o 1 0.1	
then step 5 using the remote ISDN number and then step 6.			<u> </u>	ote user [add 6-8 digits	-	
•		b	The ISDN service provide	r must furnish the follov Switch ISDN	ving information for e Remote ISDN	each ISDN line: Test ISDN
			SPID1: *	<u> </u>	:	
*			SPID2: *	:	:	
Service Provider Identifier-NPA.NXX-			Directory Number 1:	:	:	
xxxx & 4 (or 2) digit ID code.			Directory Number 2:	:	:	
The directory number is the SPID without an ID code.						
			ISDN type:	_TEI type:		

Verify Installation Materials

С	Inspect the installation package(s) for missing or damaged material:			
	switch module remote module			
	AC adapter AC adapter			
	☐ D8W cord ☐ mounting cord with RJ45 connector			
	mounting cord with RJ45 connector			
d	To configure the unit on site, you will also need:			
	PC/Notebook with a communications package such as HyperTerminal			
	Straight cable-9-pin male connector (25-pin adapter may be needed) on one end and a female on the other			

Connect the modules

Refer to Figure 1 below to connect the DEFINITY Extender units. **DO NOT** connect the transformers to electrical outlets at this time.



Installation does NOT include connections to data equipment.
This is a customer responsibility.

Set Up PC Connection for administration

You will need to use a communications package — for example, HyperTerminal — to configure and test the ISDN DEFINITY Extender. Attach one end of the RS-232 cable to your PC's COM1 port and the other end to the RS-232 connector on the switch module.

The steps below describe a first time setup for HyperTerminal.

- a Access: Start button > Programs > Accessories > HyperTerminal folder > HyperTerminal icon.
- **b** Type **2100** for the new modem connection and click **OK**.

С	At the Phone Number dialog, select Connect using = Direct to COM1 (ignore other settings) and click OK .
d	At the COM1 Properties dialog, set the parameters to 57600 , 8 , none , 1 and hardware flow control and click OK .
е	When the HyperTerminal window appears, it will be blank — that is, there is no logon prompt.
f	Click on File, then Properties. Select Settings tab and go to Emulation window. Select VT100 and then click OK.
g	Plug the switch module power cord into the wall outlet.
h	Watch the LED light on the top of the switch module. After you see 3 sets of 8 yellow flashes type at@menu.

Administer the Switch Module

4		The switch module will be administered using your PC. You will need to refer to the information obtained in section 1.		
	а	Select 1 for "Configure ISDN" from the Main Menu. From the configuration menu, press 1 for "Set Switch Type". Press the number for the ISDN Network Switch Type.		
	b	Select 2 for "Set SPID1". Enter the number for the first SPID number for the switch module. Press Enter to accept the information.		
	С	Select 3 for "Set SPID2". Enter the second SPID number for the switch module. Press Enter to accept the information.		
	d	Select 4 for "Set DN1". Enter the first DN number for the Switch module. Press Enter to accept the information.		
	е	Select 5 for "Set DN2". Enter the second DN number for the Switch module. Press Enter to accept the information.		
	f	Verify the "TEI" (Terminal Endpoint Identifier) is set to AUTO unless the LEC has specified FIXED TEI.		
	■	Exit from the "Configure ISDN Menu" and type a "Y" at the prompt to save your input.		
	g	Select 2 "Configure System" from the Main Menu. Type 1 for "Passwords". Enter the system administrator password.		
	h	Select 2 for "Change Password". Enter the password for the remote user and press Enter .		
	I	Exit from the menu by highlighting "exit" and pressing Enter. Repeat until you completely exit the DEFINITY Extender menu.		

Administer the Remote Module for testing at the switch site

Use the DROP button for 8400 and Callmaster sets. Use REDIAL for 6400 series set.

You	You will administer the remote module using the display on the telephone.			
а	Plug the remote module power cord into the wall outlet. (You will need a second electrical outlet for this purpose.)			
b	The following display appears on the telephone:			
	2: OK 3: Next			
	Go Online?			
	Press 3 on the touch-tone pad for Next. Then select Set ISDN Parameters? by entering 2 .			
С	Press 2 to select Set Switch Type . Press 3 until you see the network switch type from page 1. Press 2 for OK , then 3 for NEXT .			
d	Press 2 to Set SPID 1. Enter the SPID1 number for the test ISDN. Press DROP or REDIAL to accept. Press 3 for Next.			
е	Press 2 to Set SPID 2. Enter the SPID2 number for the test ISDN. Press DROP or REDIAL to accept. Press 3 for Next.			
f	Press 2 to Set DN1. Enter the first directory number for the test ISDN. Press DROP of REDIAL to accept. Press 3 for Next.			
g	Press 2 to Set DN2. Enter the second directory number for the test ISDN. Press DROP or REDIAL to accept. Press 3 for Next.			
h	Press 2 to Set TEI. If TEI SET TO Auto appears select 2 for OK. Otherwise press 3 until TEI set for Auto appears, then press 2 to accept.			
i	Select 1 for Prev until Save Changes? Appears. Press 2 to OK.			
j	From Set ISDN Parameters? Press 3 for Next until Set Dial Numbers appears. Press 2 to select this option. Press 2 again to select Set PBX Phone Number? Enter the first directory number for the switch module ISDN. Include a 9 or any other digits necessary to make the call. Press the DROP or REDIAL key to accept.			
k	Press 3 for Next then 2 for Set Rem Phone Number? Enter the first directory number from the test ISDN. Press Drop or Reset to accept.			
1	Press 1 until Set Dial Numbers? appears, then press 3 until Set COD Parameters? appears. Press 2 to accept.			
m	Set COD Mode? will appear. Press 2.			
n	You must set the COD mode to match the set used. Press 3 until the correct mode appears. For sets in a forced ACD, press 2 for Voice Mode. For Callmaster sets, press 2 for Lamp Mode. For all other situations, press 2 for Ring Mode.			
o	Press 1 until you reach Go Online?			
This	s concludes the basic setup for the ISDN DEFINITY Extender. You must now test the ts.			

Acceptance Testing

To t	To test connectivity, press 2 from the Go Online? Menu.			
а	At this point, the ISDN Remote Module dials the ISDN Switch Module.			
	The Enter Password screen appears.			
	Enter the password. Press the DROP or REDIAL button on the telephone connected to the Remote Module.			
b	If a valid password has been entered, the ISDN Remote Module completes the connect sequence and the telephone is operational.			
С	If you are unable to connect, do the following: • verify the password you entered • verify all connectivity			
	 verify all programming-both the switch and remote modules call Lucent Technologies or your local authorized dealer for assistance 			
	a b			

Reprogram the remote module for use at the remote site

7	а	From the GO ONLINE? Press 3. Press 2 to select Set ISDN Parameters? Press 3 for Next.
	b	Press 2 to Set SPID1. Enter SPID1 for the remote ISDN. Press DROP or REDIAL to accept. Press 3 for Next.
	С	Press 2 to Set SPID2. Enter SPID2 for the remote ISDN. Press DROP or REDIAL to accept. Press 3 for Next.
	d	Press 2 to Set DN1. Enter the first directory number for the remote ISDN. Press DROP or REDIAL to accept. Press 3 for Next.
	е	Press 2 to Set DN2. Enter the second directory number for the remote ISDN. Press DROP or REDIAL to accept. Press1 for Prev until Set ISDN Parameters? appears.
	f	Press 3 for Next then 2 for Set Dialed Numbers? Press 2 for Set PBX Phone Number? Enter the first directory number from the switch ISDN. Enter the number as you would dial it from the remote location. Press Drop or Reset to accept. Select 1 for Prev until Save Changes? Appears. Press 2 to OK.
	g	Press 3 for Next. Press 2 for Set REM Phone Number? Enter the first directory number for the remote ISDN. Press DROP or REDIAL to accept. Press 1 until Go Online? appears.

Wrap Up Site Visit

8	а	Exit HyperTerminal by closing its window and confirming (Yes) that you want to disconnect now.
		Select Yes when prompted to save the session — this will result in a new icon "2100.ht" in the HyperTerminal folder (you can use it for future connections to any other ISDN Definity Extenders).
	b	Disconnect your PC from the switch module.
	С	Repackage the remote module. The customer will be responsible for delivery to the remote site.

E Leave these instructions with the customer contact at the switch site.