

Using ADTRAN ISU and Express Products With Carbon Copy[™] Version 3.0

Introduction

This Technical Support Note describes the configuration process for ADTRAN ISU[®] Express $XR^{\$}$ and $XRT^{\$}$ devices into Carbon Copy[™] for Windows[®] Version 3.0 software by Microcom[®].

Before You Begin

- This Technical Support Note assumes that you have already installed the Carbon Copy software on both the host and the client computers. It also assumes that, if you are using Windows 95, you have already installed the inf file and have installed the ISU support into Windows 95 (see KB Article # 1549).
- This note will discuss settings for two different profiles: Fallback (57.6 or 115.2 kbps) and V.120 (64 kbps).
- Your PC hardware also affects your throughput. If the COM port connected to the Express does not have at least a 16550 UART chip, it will adversely affect the performance of your application for baud rates of over 19.2 kbps. For rates over 19.2 kbps, you need to purchase an add-on card with the 16550 UART chipset.
- The Windows 3.x COM drivers do not support 115.2 kbps. In order to run 115.2 kbps on Windows 3.x, it will be necessary to install a third party COM driver that will support high speeds. If you do not have a high-speed COM driver for Windows 3.x, the fastest baud rate allowed is 19.2 kbps.

Express XR/XRT Setup

If installing an Express XR/XRT for the first time, use the ADTRAN Express Configuration Wizard software to automatically setup your Service Profile Identifier (SPID) number(s) and switch type.

Note: You must enter your correct area code and phone numbers for auto-SPID to perform correctly.

Installing ISU Support In Carbon Copy Version 3.0 Software

To set up the Carbon Copy software for use with the Express XR/XRT products, do the following:

1. In the Microcom Descriptor Editor, highlight the **MNP Compatible** entry and click on the **Copy** button as shown in Figure 1.

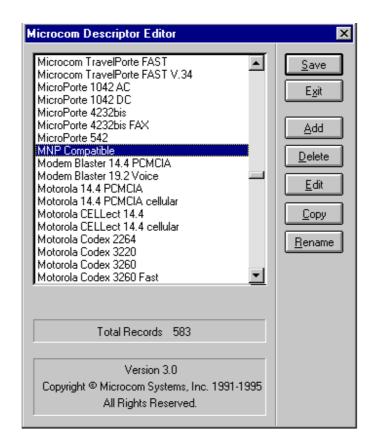


Figure 1: Choose MNP Compatible from the Microcom Descriptor Editor

2. Name the Modem Descriptor ADTRAN ISU Express XR/XRT as in Figure 2.

C	ppy Descriptor 🗙
	From MNP Compatible Lo ADTRAN ISU Express XR/XRT
	OK Cancel

Figure 2: Name the new Device Entry

- 3. Highlight the ADTRAN ISU Express XR/XRT entry and click on Edit.
- 4. In the Editor Descriptor (shown in Figure 3) enter the strings in the Reset #1 and Reset #2 text fields that correspond to the call type that you are using. Initialization strings are included for the following call types:

- 115.2 kbps using the fallback protocol Reset #1: !atAT&F!cr Reset #2: !atATEO&D2!cr
 64 kbps using the V.120 protocol
- 64 kbps using the V.120 protocol Reset #1 : !atAT&F3!cr
 Reset #2 : !atATE0&D2!cr

Edit Descriptor 🗙				
Modem Name ADTRAN ISU Express XR/XRT				
Reset # <u>1</u>	latAT&Flcr			
Reset # <u>2</u>	latATE0&D2lcr			
Dial <u>P</u> refix	ATD!dm	Network Ready Modem		
Attention	!dy2+++!dy2ATH!cr	PCMCIA Modem		
<u>A</u> uto Answer	ATS0=!rc1!cr			
<u>N</u> o Auto Answer	ATS0=0!cr	Default Port Speed		
Voice to Data (Originate)	ATX1Dlcrldy2	115200		
Voice to Data (Answer)	ATAIcrIdy2	Number of <u>C</u> onnect Strings 1		
<u>D</u> ata to Voice		Connection Strings (1 - 8)		
Detect Response		Connection Strings (9 - 16)		
	OK Cancel <u>S</u>	vmbols		

Figure 3: The init Strings you use will Depend on the Call Type that you use

- 5. Click on the **OK** button in the Edit Descriptor Window.
- 6. In the Modem Descriptor Window, click on the **Save** button.
- 7. Next click the $E \underline{x} i t$ button.
- 8. From the Carbon Copy program group (shown in Figure 4), double-click on the **Guest** icon to bring the client interface. If this is the host machine, the same configuration may be done using the **Host** icon.

🔚 Carbon Copy						
<u>File E</u> dit <u>V</u> iew <u>H</u>	<u>l</u> elp					
Guest H	Host	Modem Descriptor Editor	Read Me	T erminal	Uninstall	Scripting Help
1 object(s) selected		334 bytes				

Figure 4: The Carbon Copy Program Group

9. Once the Carbon Copy Guest is open, select **Communications** from the **Options** menu as in Figure 5.

Carbon Copy G		-t. []-l-	
<u>File Connection U</u>	tilities <u>O</u> ptions <u>S</u> cri	pts <u>H</u> elp	
Call a Host	Remote Control	Remote Printing	File Transfer
Wait for Call	Remote Drive	Remote Clipboard	Chat
Specify configuration	options		12:02:02

Figure 5: Carbon Copy Guest control panel

 Select Serial Port and click on the <u>Setup</u> button in the Communications window as in Figure 6.

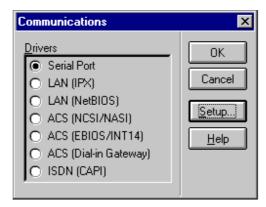


Figure 6: Click on Setup

11. In the Serial Port Setup dialog box (see Figure 7), choose the **ADTRAN ISU Express XR/XRT** modem that you created in step 2.

Serial Port Setup					
Port Com1 Com2 Com3 Com4	Modems Direct Connect 3X 514 DSX Accura 144 + Fax 144 Accura 144B + Fax 144 Accura 24B EC + Fax 96 Accura 288 V.34 + Fax Accura 288 V.FC + Fax Accura 96 + Fax 96	OK Cancel Detect Test Advanced			
2400 4800 9600 19200 38400 57600 115200	Accura 96B + Fax 96 ADTRAN ISU Express XR/XRT Alliance V.32 ANGIA V.32/V.32bis internal ANGIA V.32/V.32bis PCMCIA AT Compatible				

Figure 7: Choose the Express XR/XRT that you Created Earlier

12. Click on the **Test** button from the Serial Port Setup screen. Carbon Copy should come back with the screen shown in Figure 8 if the reset strings were entered properly.

Serial Port Setup						
Port Com1 Com2 Com3 Com4	Modems Direct Connect 3X 514 DSX Accura 144 + Fax 144 Accura 144B + Fax 144 Accura 24B EC + Fax 96 Accura 288 V.34 + Fax Accura 288 V.FC + Fax	OK Cancel Detect				
<u>Speed</u> 2400 4800 9600 19200 38400 57600 115200	Accura 266 V.PC + Pax Accura 96 + Fax 96 ADTRAN ISU Express XR/XRT Alliance V.32 ANGIA V.32/V.32bis internal ANGIA V.32/V.32bis PCMCIA AT Compatible	Advanced				

Figure 8: Your Communications Setup is Correct

Note: Carbon Copy is only testing to make sure that the Express accepts the commands. It is possible to send commands to the Express that the unit will accept, but will not allow you to connect with another ISU unit.

13. Click on **OK** three times to return to the Carbon Copy Guest viewer.

Your client computer should now be setup to run Carbon Copy with your ISU Express XR/XRT product. Repeat these steps on the machine that will be acting as the host. All steps are similar to the Guest setup, except that you will be using the **Host** icon in step 8.

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