



Technical Support Note

Connecting the MultiTech Modem Model MT2834ZDX to ISU™ 512 Chain In Port

INTRODUCTION

This document outlines the procedure for connecting the ADTRAN ISU™ 512 chain in port to the MultiTech MT2834ZDX modem for remote access.

Setting up the ISU™

Make certain that the ISU™ 512 is set for **TERMINAL MODE**. To set this, follow these steps:

1. Go to Main Menu <enter>
2. Select 3-Config <enter>
3. Select 1-Netw. Options <enter>
4. Select 1 - Dial Line <enter>
5. Select 9 - Maint Setup <enter>
6. Select 3 - Port Mode <enter>
7. Select 1 - Terminal Mode <enter>

Setting up the Modem

When configuring the modem, set the terminal to 9600bps, 8 data bits, no parity, and one stop bit.

If using the MultiTech MT2834ZDX, enter the following initialization strings:

```
AT&D0Q1E0S0=1&C1&E3$SB9600<enter>  
AT&W0<enter>
```

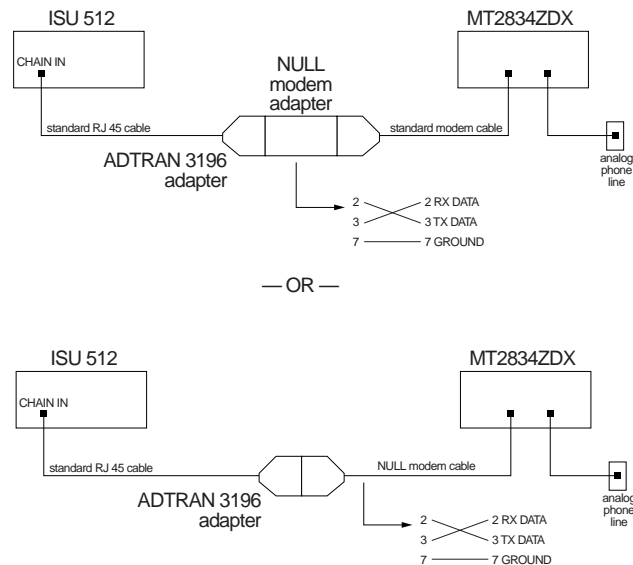
Otherwise, make certain that the modem has the following settings:

1. DTR Ignored
2. Suppress Result Codes
3. Turn Echo Off
4. Enable Auto Answer
5. Set CD Normal
6. Set Flow Control to None
7. Set the modem for 9600bps, 8 data bits, no parity, and 1 stop bit
8. Save configuration to NVRAM

Power the modem off and proceed to the next section.

Physical Connection

Connect the modem to the chain in port on the ISU™ 512 with a straight-through RJ-45, RJ-45/DB-25 Adapter (3196.ADPT003) and a null modem cable (or adapter). The pinouts on the ISU 512 chain in port are Pin 1 - Ground, Pin 3 - RX Data, and Pin 5 - TX Data. A straight-through RJ-45 cable is connected to the RJ-45/DB-25 Adapter (3196.ADPT003), which has pinouts on the DB-25 as follows: Pin 2 - RX Data, Pin 3 - TX Data, and Pin 7 - Signal Ground. A null modem adapter or cable with a crossover of Pins 2 to 3 and Pins 3 to 2 should be connected to the modem's data port on one end and to the DB-25 interface of the 3196.ADPT003 on the other end (see diagram).



Once connected to the chain in port, power the modem back on. Refer to the sections on the VT 100 Menu Interface and Maintenance Interface in the ISU™ 512 manual for further instructions if necessary.

Making the Connection

After you have configured the modem and cabling, you can call into the modem connected to the ISU™ 512 chain in port. Hit <Return> on the computer keyboard a couple of times. The --512> prompt should appear. Follow the instructions given in the ISU™ 512 Manual on the VT 100 Menu Interface.

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