

# Eazy Stat-4/8/24 Setup

When using the Black Box Modem 325 modems with this multiplexor, set the modems up as described in the "Eazy Modem 325 Setup" section.

When using the Eazy CSU/DSU MS's with this multiplexor, set the modems up as described in the "Eazy CSU/DSU MS Setup" section.

When using the Motorola Codex 3500 DSU/CSUs with this multiplexor, set the modems up as described in the "Motorola Codex 3500 DSU/CSU Setup" section.

When the multiplexors recognize each other, the SYNC light should stay on steady on both multiplexors.

When you have a terminal connected to one of the ports (note: use 9600 baud when first configuring the modem, as that is the factory default setting for the multiplexor), issue the following commands:

**Note:** DTR handshaking does not work satisfactorily with these multiplexors beyond 4800 baud! To use XON/XOFF handshaking you must make the following adjustments:

- o change /usr/bin/ttyset to 11\$XON11 for both the terminal and printer ports using the multiplexor
- o Perform ltttyset' on the ports for which you changed ltttyset.1

To make the ltttyset, automatically happen when you re-enter multi-user mode, you may be able to list this port in /etc/rc.d/8/printerlist2. (List only the non-printer ports in this file, since the printer ports will be included in /etc/rc.d/8/printerlist.) If /etc/rc.d/8/userdef is dated 06-28-92 or later, any filename in /etc/rc.d/8 that starts with "printerlist" will be used as a list off ports for which to perform ltttyset.1 You would want to avoid use of the file "printerlist," as it is modified by llpsetup.1

- o Change the device (terminal/printer) to XON/XOFF handshaking

**Note:** Do the following configuration while the modems are "on line" with each other and the SYNC light on each multiplexor is lit, so you can update the configuration on the remote multiplexor as well.

**Note:** If you cannot get any response from the multiplexor when trying to program it, make sure your cable (between the multiplexor and the terminal) is made correctly. You may also reset the multiplexor by pressing the Reset button.

**Note:** Follow the case of the information to type--these multiplexors are case sensitive.

(No RETURN is necessary to configure the multiplexors)

(No prompt)(wait 1 second)

(No prompt)@@@

(No prompt)(Wait 1 second)

(No prompt)S (Enter configuration mode)

ENTER STM PASSWORD: RD

**Note:** Instructions are given here in the format used for the Stat-8, which is slightly different from the Stat-4. It should be fairly obvious, however, how to choose the option to change each channel's configuration.

**Note:** When using a CSU/DSU on a DDS leased line, you cannot have data throughput higher than that of the leased line. For example, if the DDS line is running at 19200 baud, that is the fastest you may configure a port--in which case the 38400's below would be set back to 19200's.

ENTER YOUR CHOICE (1-4) 3 (DISPLAY LOCAL CHANNELS CONFIGURATION)

Press N to show... Q

Standard configuration follows:

Terminal, remote multiplexor:

STM	TO DTE	END TO END	END TO END	RTS				
CH RATE	DATA	PARITY	STOP	SOFT FLOW	SOFT FLOW	DTR FLOW	CNTRL	
X 38400	8	NONE	1 ON	ON OFF	OFF			

Terminal, host multiplexor:

STM	TO DTE	END TO END	END TO END	RTS				
CH RATE	DATA	PARITY	STOP	SOFT FLOW	SOFT FLOW	DTR FLOW	CNTRL	
X 38400	8	NONE	1 OFF	ON OFF	OFF			

Turn option 5 (STM TO DTE SOFT FLOW) OFF at the host multiplexor; otherwise you are thrown out of the ABCS menu when you enter it

Printer, remote multiplexor:

STM	TO DTE	END TO END	END TO END	RTS				
CH RATE	DATA	PARITY	STOP	SOFT FLOW	SOFT FLOW	DTR FLOW	CNTRL	
X	9600	8	NONE	1 ON	ON OFF	OFF		

Printer, host multiplexor:

STM	TO DTE	END TO END	END TO END	RTS				
CH RATE	DATA	PARITY	STOP	SOFT FLOW	SOFT FLOW	DTR FLOW	CNTRL	
X	9600	8	NONE	1	ON	ON	OFF	OFF

ENTER YOUR CHOICE 2 (CONFIGURE LOCAL CHANNELS)

ENTER CHANNEL NUMBER (Press the number of a channel that you are not using)

ENTER YOUR CHOICE (Press the number of the parameter you need to change (for baud rate) and select the appropriate value. Press 'IQ' when finished changing parameters)

ENTER YOUR CHOICE 0 (ENTER DUPLICATE LOCAL PARAMETERS)

ENTER SOURCE CHANNEL (Press the number of the channel that you just changed)

ENTER CHANNELS RANGE (Type the destination channel start and stop value separated by ":" -for example, to copy to channels 1 through 8, type 111:8.11)

ENTER SOURCE CHANNEL Q

(At this point, you may get some garbage on your screen, if you changed the baud rate for the line you are using. If so, change the baud rate on your terminal. Remember to use XON/XOFF handshaking rather than DTR. After changing the baud rate, you may find that you have to turn your multiplexor off & on again to be able to "unlock" your terminal. You may also find that you are out of the configuration menu--if so, enter it as described earlier in this section)

If you are using printers on this multiplexor, use the appropriate example for printers above.

When finished, press 'IQ" until you are at the main menu.

ENTER YOUR CHOICE (1-4) 3 (DISPLAY LOCAL CHANNELS CONFIGURATION)

(This display should show you the correct configuration for all the ports on this multiplexor. If it is correct, jot down the information if necessary so you can program the other multiplexor identically)

**Note:** Using 2 (TRANSFER CONFIGURATION FROM LOCAL TO REMOTE) does not work! You must use update the remote multiplexor manually.

Press	N to	show...	Q
ENTER	YOUR CHOICE	(1-4)	1(SYSTEM CONFIGURATION)
ENTER	YOUR CHOICE	(1-4)	4(REMOTE STM CONFIGURATION)
ENTER	YOUR CHOICE	(1-5)	4(DISPLAY LOCAL COPY OF REMOTE...

(You are now shown the configuration of the remote multiplexor. If anything is incorrect, you will have to change it as described below)

Press N to show... Q

To change the configuration on the remote multiplexor, do the following:

- Use 3 (PREPARE REMOTE STM CONFIGURATION)/2 (REMOTE CHANNEL CONFIGURATION) and the other choices you used above for configuring the local multiplexor
- When done, 'IQ" back to the Remote STM Configuration menu and choose 4 (DISPLAY LOCAL COPY OF REMOTE STM CONFIGURATION).
- When all the remote's configuration is correct, choose 5 (ACTIVATE REMOTE STM CONFIGURATION) to actually update the remote multiplexor

Please refer to the "IIDB25F/RJ45 Pinout Chart" section for information on connecting the multiplexors to the devices and computer. The devices are connected as follows:

Host Computer

6-wire phone cable (head-to-head)

DB25M/RJ12 ("Term")

DB25F/RJ45 (IIStatXII)

8-wire phone cable (head-to-head)

Stat-X Multiplexor

D325 serial cable (M-F)

Modem

Leased line (pins 1, 2, 7, & 8) or 4-wire cable

Modem

DB25 serial cable (M-F)

Stat-X Multiplexor

8-wire phone cable (head-to-head)

DB25F/RJ45 ("StatX")

DB25M/RJ12 ("Termil")

6-wire phone cable (head-to-head)

DB25M (depends upon the type of device used; for terminals and most devices, use "Term")

Remote Device (terminal or printer)