

UPDATE PRIMUX MATRIX SWITCH FIRMWARE

This procedure is provided to enable the administrator to update the firmware inside the PRIMUX Matrix Switch if needed. The updated code can be downloaded from the NTI website at www.networktechinc.com/kvmswitch-cat5.html. Download the latest version of code for the PRIMUX Matrix and unzip it to a location on your computer you will remember (perhaps the Desktop).

The two files you should have are **primux_sys.bin** and **primux_fs.bin**. (If you are using a TFTP server, unzip these files to your server location.)

To update the firmware, the user must first be connected to the SWITCH using a terminal and null modem cable connection through the port labeled "RS232" as described on page 13.

Note: This procedure has been tested to work properly using Microsoft® HyperTerminal. We cannot confirm whether other terminal programs will give satisfactory results.

1. Establish a connection to the SWITCH as described in "RS232 Connection" on page 41. Login to the Main Menu (page 43) and select "Firmware Configuration" (page 49). Press **<Enter>** to reboot the SWITCH.
2. When the message "Press any key to stop autoboot" appears, press any key on the keyboard. (You have 3 seconds to press a key before the system will continue booting and you will have to login to the menu and start over.)

Note: To view available commands, at the prompt type <help> or <?> (as seen below) .

```
PRIMUX-MTX >help
Available commands:
run update_system_tftp
- update system via TFTP
run update_system_serial
- update system via serial(kermit)
run update_bootloader_serial
- update bootloader via serial(kermit)
reset
- reset the system
help
- view this help
```

3. At the prompt (PRIMUX-MTX >), type **run update_system_serial** and press **<Enter>**.
 4. Send the **primux_sys.bin** file: Go to File -> Transfer (use Kermit protocol) -> Send and locate the **primux_sys.bin** file.
 5. When the transfer is complete you will be prompted to send the **primux_fs.bin** file. Locate it and send it.
- The program will download the file, erase the previous version, and flash the new version automatically.
6. When finished the prompt will reappear. At the prompt, type **reset** and press **<Enter>**. The PRIMUX Matrix will reboot.
- Press **<Enter>** to return to the login prompt, or close HyperTerminal. The upgrade is complete.

If you are using a TFTP server, the following procedure will be quicker:

1. Performs steps 1 and 2 above, but be sure to have an Ethernet connection to a TFTP server.
2. At the prompt, type **run update_system_tftp** and press **<Enter>**.
3. When prompted, enter the IP address for the TFTP server, and when prompted again enter an IP address to use for the SWITCH for this transfer, and press **<Enter>**. The program will download the files, erase the previous version, and flash the new version automatically.
4. When finished, at the prompt, type **reset** and press **<Enter>**.