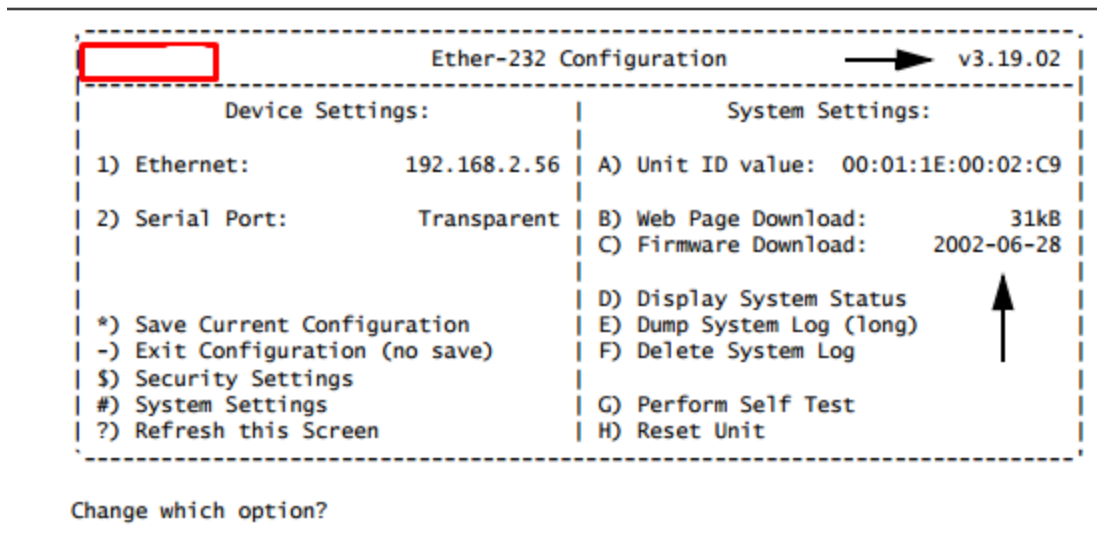


Remote Firmware Download

Help Guide

Performing a remote Firmware Download allows you to download the latest software version to the iPocket232 unit using telnet and a TFTP (Trivial File Transfer Protocol) Client. First, check the software version number and date in the System Settings submenu.



UNIX Users: Most UNIX systems support TFTP. After starting the command-line TFTP client, the command to transfer the file is `put<local-hex-file-name> <password>`. Consult your MAN pages to find out how to run the TFTP Client, or use a separate TFTP application.

PC Users: You need a TFTP client program to send the file over the network to the iPocket232 unit.

Get the Latest Software

- 1 Contact sales@ipocket232.com to obtain the latest software for your device. You will be sent a .ZIP file.
- 2 Unzip the file.
The .HEX file is the download file.

Performing a Firmware Download

- 1 Run the TFTP program.
- 2 Configure the parameters required to transfer the software download .HEX file from the PC to the iPocket232 unit. You will need:
 - the IP address of the iPocket232 unit
 - the full directory path and name of the new firmware load
 - the Remote Password configured in the iPocket232 unit
 - to de-select the Match Files option if your TFTP program has one

NOTE: The file may be downloaded as either an ASCII or binary file.

- 3 Telnet into the iPocket232 unit (refer to the *Remote Telnet Configuration* Help Guide).

The Configuration screen appears.

- 4 Choose System Settings from the Device Settings sub-menu.

The System Settings sub-menu appears.

- 5 Choose Firmware Download from the System Settings sub-menu.

The download confirmation message appears, as shown below.

```
The firmware download utility is for upgrading software internal to this
device. Are you sure this is what you wish to do? (y/n)
```

- 6 Press y to continue or n to return to the Configuration screen.

Pressing y puts the iPocket232 unit into download mode and the telnet session closes automatically. The following instructions appear:

Network downloads are done via the TFTP protocol. Connect to this same address and send using <password> as the remote filename. The download must be started within 4 minutes or this device will reset and resume normal operations.

After download has completed, the device will reset again to start operations.

7 In the TFTP client, click the appropriate button to start the file transfer download.

If the download is proceeding correctly, a status bar or some other device on the screen should indicate the progress.

Once the download is complete, the iPocket232 unit automatically resets and exits configuration mode.

8 Exit the TFTP client program.

9 Confirm the iPocket232 unit is updated by accessing the unit through telnet. Check the new version number of the software in the configuration screen.

NOTE: The iPocket232 unit should retain all your previous settings. Please ensure your settings are correct before resuming operations.

Download Failure

If the download fails, try initiating the download again. If the problem continues, check the following on the TFTP client window:

- that you have the correct IP address
- that you have entered the correct filename and directory path
- that the file exists in the directory
- that you have de-selected the Match Files option
- that you have the correct Remote Password

Should the problem persist, DO NOT UNPLUG THE UNIT. Finish the download to the unit locally through the serial port to recover. See the Help Guide Local Firmware Download on the Web site. Contact sales@ipocket232.com if you have any download problems.