

## Firmware Upgrade Instructions: ET-312 Version 1.6

1. Connect the ErosLink cable to an unused Serial port on your PC.
2. With the ET-312 off, connect the ErosLink cable to the Link jack of the ET-312.
3. Go to the Start, *Programs, Accessories*, menu in Windows and find *Hyperterminal*. It may be under *Communications* depending on which version of windows you have.
4. When Hyperterminal starts, wait for the welcome screen to go away and then enter any name in the *New Connection* box such as "ET312" and click *OK*.
5. In the *Connect To* box, select the serial port used in Step 1 from the *Connect Using* pull down menu. This will usually be *COM1 - COM4*. Then click *OK*.
6. In the *Properties* box, select the following options: *Bits per second=19200, Data bits=8, Parity=None, Stop bits=1, Flow control=None* and click *OK*.
7. Hold down the *Menu* and *Up* buttons on the ET-312 at the same time, then turn on the ET-312 while keeping them held down. The display should be blank and the *Ch A* and *Ch B* LEDs should blink slowly. If the ET-312 powers up normally, you did not hold down the buttons correctly as try again.
8. In Hyperterminal you should see a string of "C" characters appear at about 1 per second. If you don't see anything or you see different characters, Hyperterminal is not configured correctly or there is a problem with the serial port. Shut down Hyperterminal and try again selecting other available COM ports and make sure the properties in Step 6 are correct.
9. When you see the string of "C" characters in Hyperterminal, select the *Transfer* menu and *Send file*. If you wait too long, you'll have to power the ET-312 off and try again (the LEDs will stop blinking).
10. In the *Send File* box, make sure you select *Xmodem* as the protocol (**NOT** *Zmodem* or *1k Xmodem*).
11. After *Xmodem* is selected, enter or *Browse* to the filename of the new firmware. For example, the version 1.6 upgrade file is called "312-16.upg".
12. Click *Send* and the file transfer should begin. The *Ch A* and *Ch B* lights will flash randomly as the data is transferred to the ET-312. DO NOT interrupt this process in any way.
13. When the transfer is completed, the ET-312 will power up normally and the display should show the new version of the software. If anything goes wrong, try again starting over from Step 1. If you still can't make it work, contact ErosTek or SexTek for further assistance.
14. Once the transfer is complete, you can turn the ET-312 off, unplug the cable, and close Hyperterminal (you do not need to save the Hyperterminal session).