

## **1. Set up PC to use Windows “HyperTerminal”**

1. Follow the instructions provided by Image Video to extract a file called TSI1000B.EXE from the release media (disk, email, etc.).
2. On a PC equipped with a serial port and Windows HyperTerminal, connected to COM1 of the TSI1000, start Hyperterm and set the following properties:
  - 115200 baud, 8 data bits, no parity, 1 stop bit.
  - Direct to COM1 or COM2.
  - Zmodem file transfer protocol.
  - Save the setup.

## **2. Invoking TSIsetup From the TSI1000 keyboard**

To invoke TSISSETUP from a keyboard connected directly to the TSI1000, so that file transfers can occur without the TSI1000 firmware running:

1. Attach a keyboard and VGA monitor to the back of the TSI1000. The lower PS/2 port is the keyboard. No mouse is required.
2. Boot the TSI1000 to a C:\ prompt by using one of the following methods:
  - Enter the ALT-1-2-3 key sequence at the TSI keyboard. This method is only useful if the TSI1000 firmware is running.

**OR**

- Power cycle the TSI1000. While the TSI1000 is rebooting repeatedly press CTRL-BREAK to interrupt the execution of AUTOEXEC.BAT and get the C:\ prompt.
3. Type “DOSBOOT TSISSETUP.BIN” to start TSISSETUP. The TSIsetup prompt will appear.

## **2. Upgrading TSI1000 software using Windows “HyperTerminal”**

3. Start Hyperterm. If the Hyperterm starts up “connected”, click on “Call” and “Disconnect”.
4. Click on File > Properties and in “Connect Using” select “Direct to COM1” or “Direct to COM2” (depending on which port your PC is using to talk to the TSI1000).

5. Click on "Configure" and set communications parameters 115200 Baud, 8 data bits, no stop bits. Click on "OK".
6. Click on "Call" to connect to the TSI1000. If any garbage characters are received, wait until they cease.
7. (This step is optional but advisable in order to keep a copy of the currently operational software, just in case it is necessary to revert to that software version)

Type "sz TSI1000B.EXE" (do not include quotes) and press enter. The TSI1000 will respond with "Zmodem transmitter starting" and Hyperterm will automatically receive the TSI1000B.EXE file from the TSI1000, usually placing it in the "Hyperterm" directory. When done, after about four minutes, the TSI1000 will transmit the "Zmodem transmitter done" prompt.

8. Type "rz" (no including quotes) and press enter. The TSI1000 will respond with "Zmodem receiver starting".
9. Click on "Transfer" and "Send File". Under "Filename" enter the path and file name for your copy of the upgrade TSI1000B.EXE file. You may also use the "Browse" function to locate the file.
10. Click on "Send" to start the file transfer, which should take about 4 minutes. When the transfer is done, the HyperTerminal file transfer dialog box will disappear and the TSI1000 will respond with "Zmodem receiver done".
11. Power off the TSI1000 for five seconds then turn it back on. The new software will begin running.