



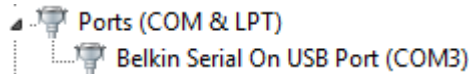
How to Bootload New Firmware onto an iTherm HIG Power Supply

In order to bootload new firmware onto an iTherm HIG power supply you will first need the following:

- A computer with an RS-232 port or usb to RS-232 adapter.
- A straight-thru (not a null modem/crossover) RS-232 cable.
- 16-Bit Flash Programmer.exe, boot S3.bat, and S3.hex files.

The steps to install a new version of the firmware are as follows:

1. First ensure that all three files are stored in the same location.
2. Open Device Manager, (right click on *Computer*, click on *Properties*, then select *Device Manager* in the upper left). Expand the Ports section and note which COM port is used for RS-232.



In the example here, we'd use COM3:

Close Device Manager.

3. Right click on boot S3.bat, select edit and change COMX to the appropriate COM #. Save and close.
4. With the HIG power supply *OFF*, connect the RS-232 port to the computer or USB adapter.
5. While holding down the I/O button on the front of the HIG power supply, turn the power supply on using the rocker switch on the back. Continue to hold the I/O button for 2 seconds, then release. The power supply should start with a blank screen.
6. Double click on boot S3.bat. You should see the following screen, the dots will scroll across until complete:

A screenshot of a Windows command prompt window. The title bar reads "C:\Windows\system32\cmd.exe". The command entered is: `C:\Users\dmarvin\Desktop>"16-Bit Flash Programmer.exe" -i COM3 -b 9600 P1.hex`. The output shows: `Reading Target Device ID... Found dsPIC30F6015 <ID: 0x0280>`, `Reading HexFile.`, `Reading Target`, `Programming Device` followed by a series of dots forming a horizontal bar, and finally `Done.`

7. Bootloading is now complete. Disconnect the RS-232 cable and cycle power to ensure proper start-up of the new firmware. Ensure rev. version on startup is correct.