

Optical Wavelength Laboratories (OWL) Calibration Procedures

Upgrading Fiber OWL 4 Optical Power Meter Firmware

September 6, 2005

Calibration Procedure

Upgrading Fiber OWL 4 Optical Power Meter Firmware

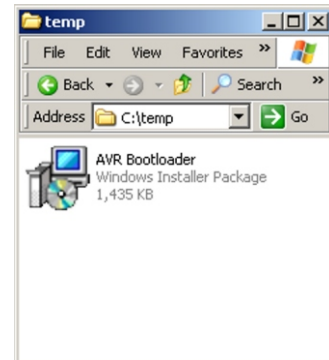
Use this procedure to upgrade the firmware in the Fiber OWL 4 optical power meter to the most current version.

Requirements for this procedure:

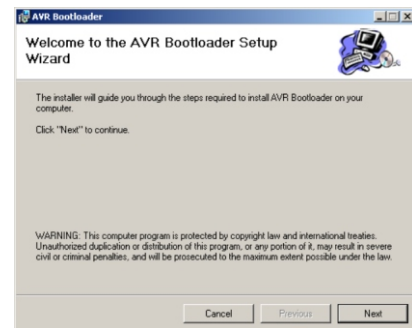
- PC with a working COM port
- Fiber OWL 4 download cable

INSTALL FLASH UPDATE PROGRAM

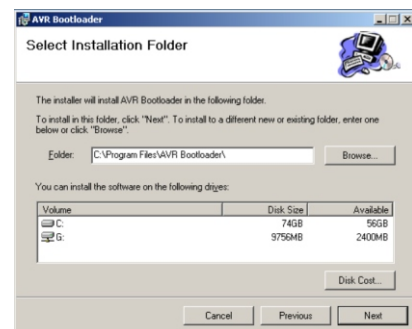
Step 1 – Open My Computer and browse to the folder where the AVR Bootloader install program is stored. Double-click the AVR Bootloader icon to start installation.



Step 2 – Click "Next".



Step 3 – Click "Next".

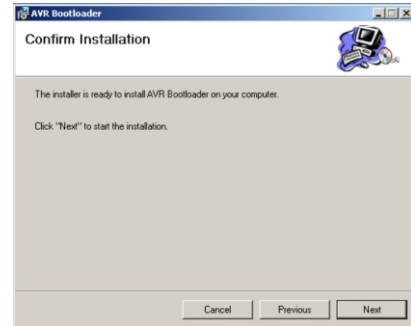


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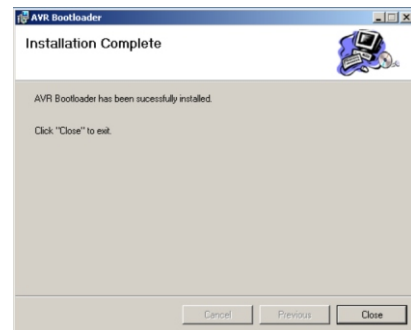
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INSTALL FLASH UPDATE PROGRAM, cont.

Step 4 – Click “Next”.



Step 5 – Click “Close” to complete the installation.



SETUP

Step 6 – Connect the Fiber OWL 4 to the PC using the download cable and power on the meter.

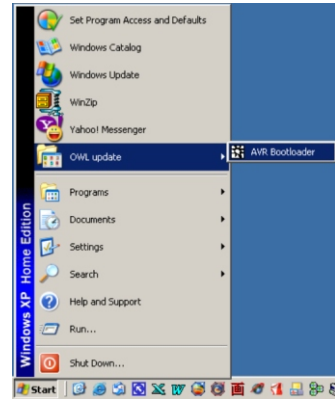


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UPDATE FIBER OWL 4 FIRMWARE

Step 7 – Click Start, OWL update, AVR Bootloader.



Step 8 – Click “Jump to Bootloader then Download”. In the Status bar, there will be a countdown of the lines of code being downloaded into the Fiber OWL 4. Once all of the firmware has been downloaded, You will receive a notification window showing successful completion.

NOTE: if there is no response from the target bootloader, either:
a) use a different COM port; or
b) verify COM1 is not in use; or
c) remove and re-insert the battery in the Fiber OWL 4, then power the Fiber OWL 4 back on,

then repeat Step 8.

