

Optical Wavelength Laboratories (OWL) Calibration Procedures

Upgrading Fiber OWL 4 Optical Power Meter Firmware

January 14, 2015

Calibration Procedure

Upgrading Fiber OWL 4 Optical Power Meter Firmware

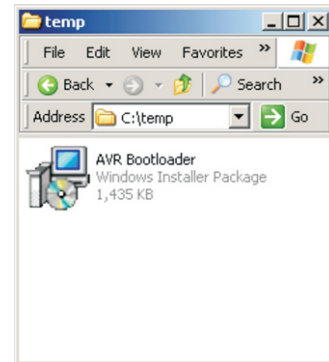
Use this procedure to upgrade the firmware in the Fiber OWL 4 optical power meter to the most current version.

Requirements for this procedure:

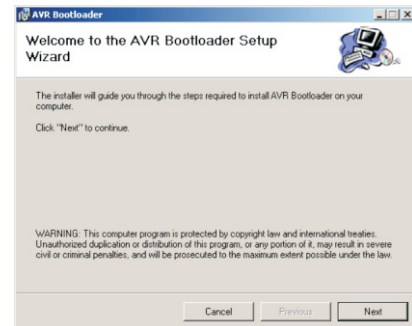
- PC with a working COM port
- Fiber OWL 4 download cable

INSTALL FLASH UPDATE PROGRAM

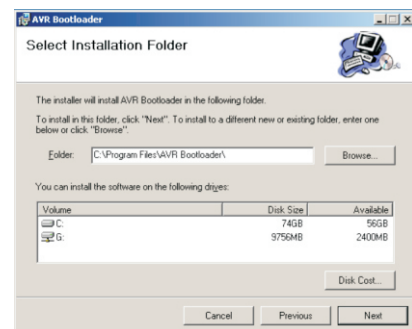
Step 1 – Open My Computer and browse to the folder where the AVR Bootloader install program is stored. Double-click the AVR Bootloader icon to start installation.



Step 2 – Click "Next".



Step 3 – Click "Next".

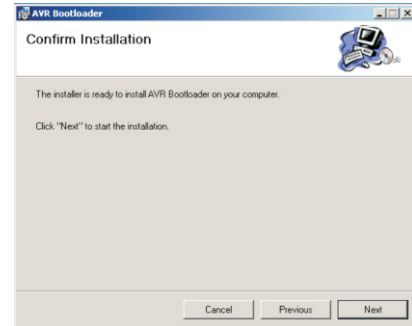


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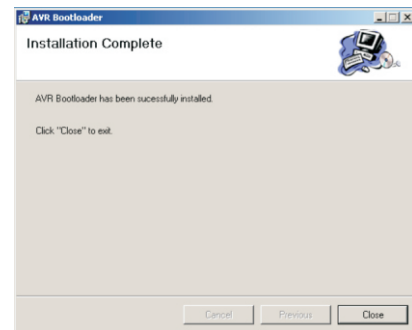
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INSTALL FLASH UPDATE PROGRAM, cont.

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.

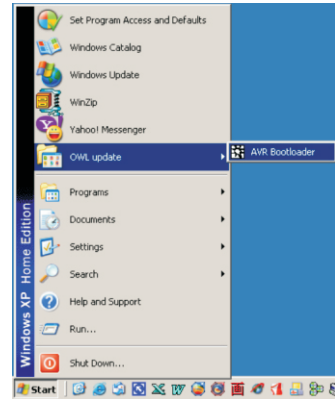


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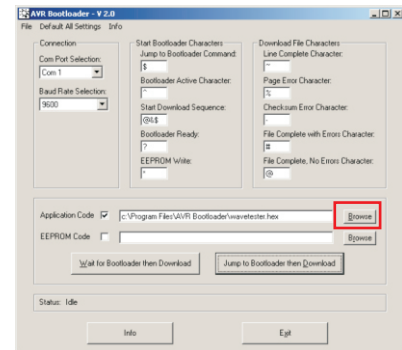
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UPDATE FIBER OWL 4 FIRMWARE

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



Step 8 – Click the Browse button to the right of the “Application Code” filename, then browse to the location where the firmware file is stored. The firmware filename should appear in the filename field.



Step 9 – 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 9.

