Ocean Optics Inc.
First in Photonics™

A HALMA GROUP COMPANY

Engineering Note

Topic: Reprogramming a USB Device

Products Affected: ADC1000-USB, HR2000, HR4000, USB2000

Date Issued: 6/18/2002

► *Procedure*

Follow the steps below to reprogram the Ocean Optics USB Device:

1. Download and install the USB EEPROM Programmer utility from our web site at http://www.OceanOptics.com/Technical/SoftwareDownloads.asp. This utility installs the latest version of the microcode for all Ocean Optics devices.

2. Plug in the USB device to the PC.

3. Run the USB Programmer by selecting **Start | Programs | Ocean Optics | USB Programmer | USB Programmer**. This utility displays all of Ocean Optics USB devices that are plugged in the left-hand pane. Once a device is selected, its detailed information is displayed in the right-hand pane.

4. To reprogram a device, select the device in the left-hand pane. The current firmware version is displayed as the first entry in the right-hand pane.

5. Press the PROGRAM button and select the appropriate EEPROM update file (*.iic file) for the Ocean Optics USB Device. The EEPROM update files are installed in the same location as the utility. The default location is C:\Program Files \ Ocean Optics \ USB Programmer.

6. The program immediately starts the reprogramming process. The estimated time for the reprogramming process is displayed in the bottom status bar.

Caution

While programming, do NOT remove the cable, turn off the computer, or use the computer in any manner.

7. Once the programming process has completed, unplug the USB Device from the PC and then plug it back into the PC for the new program to take effect.