

Installing X-FireWire Firmware/Windows XP & Mac OS X

Regardless of the computer platform used, it's necessary to match the X-FireWire's firmware with the Apogee host unit (i.e. your AD16X, DA16X, Rosetta 800 or Rosetta 200) into which the card is installed. Unless otherwise specified, the X-FireWire card is supplied for operation in a Rosetta 800 ; to use the X-FireWire card with the Rosetta 200, AD and DA16X, corresponding firmware may be downloaded from Apogee's web site and loaded into the X-FireWire card using the ApogeeFireWireUpdater utility application.

Windows XP

- 1 Install the X-FireWire card into the host unit, as specified above. Rest assured that it's possible to modify X-FireWire firmware even if the firmware is mismatched with the host unit.
- 2 Download the appropriate X-FireWire firmware and X-FireWire Updater from here: <http://www.apogeedigital.com/downloads/> You'll need to get the Windows XP X-FireWire Driver, the X-FireWire firmware that corresponds to the your host interface and your version of X-FireWire card, and the Windows XP X-FireWire Updater. Please see the downloads page to determine the version of your FireWire card.
- 3 Unzip the downloaded files to the desktop of your computer.
- 4 Unmount and **disconnect** all other FireWire devices sharing the same FireWire buss as the X-FireWire card.
- 5 **Disconnect the X-FireWire card from the computer** and launch the Windows XP Driver by double clicking on the setup.exe file. Connect the X-FireWire card to the computer and power on the host interface **only when instructed to do so by the driver installation app**. For more detailed driver instructions, please see pages 6-9 of this manual.
- 5 Open the X-FireWire Updater application.
- 6 Click **Open**, navigate to the downloaded firmware file with a .bin extension, select it, and click **Open**.
- 7 Click **Update** to download the .bin file to the X-FireWire card.
- 8 When the FireWireUpdater displays the message **"Programming FPGA done. Restart unit"**, power cycle the host interface and quit and restart the X-FireWire Updater.
- 9 Once the host interface is recognized in the X-FireWire Updater, click **Open** again, navigate to the .bcd file, select it and click **Open**.
- 10 Click **Update** to download the .bcd file to the X-FireWire card.
- 11 When the X-FireWire Updater displays the message **"Your hardware settings have changed. You must restart your computer for these changes to take affect. Do you want to restart your computer now?"**, click "Yes" to restart the computer. Turn off the host interface.
- 12 **Do not first turn on the host interface**. Re-install the XP driver, and turn on the host interface only when instructed to do so by the driver installation app.
- 13 Open the X-FireWire Updater and verify that "Firmware," "Host," and "FPGA" versions correspond to the intended versions. If "00" is displayed as a version number, it is necessary to carefully repeat steps 9-13 a second time. If "00" is displayed, reload the .bcd file without re-starting the computer or the X-FireWire Updater (as described in step 9).

Apple OS X

- 1 Install the X-FireWire card into the host unit, as specified above. Rest assured that it's possible to modify X-FireWire firmware even if the firmware is mismatched with the host unit.
- 2 Download the appropriate X-FireWire firmware and X-FireWire Updater from here: <http://www.apogeedigital.com/downloads/> You'll need to get the X-FireWire firmware that corresponds to the your host interface and your version of X-FireWire card, and the OS X X-FireWire Updater. Please see the downloads page to determine the version of your FireWire card.
- 3 Unzip the downloaded files to the desktop of your computer.
- 4 Unmount and **disconnect** all other FireWire devices sharing the same FireWire buss as the X-FireWire card.
- 5 Open the X-FireWire Updater application.
- 6 Click **Open**, navigate to the downloaded firmware file with a .bin extension, select it, and click **Open**.
- 7 Click **Update** to download the .bin file to the X-FireWire card.
- 8 When the FireWireUpdater displays the message **"Finished programming FPGA done. Unit must be power cycled"**, power cycle the host interface and quit and restart the X-FireWire Updater.
- 9 Once the host interface is recognized in the X-FireWire Updater, click **Open** again, navigate to the .bcd file, select it and click **Open**.
- 10 Click **Update** to download the .bcd file to the X-FireWire card.
- 11 When the X-FireWire Updater displays the message **"Firmware Update finished"**, restart the computer and power cycle the host interface.
- 12 Open the X-FireWire Updater and verify that "Firmware," "Host," and "FPGA" versions correspond to the intended versions. If "00" is displayed as a version number, it is necessary to carefully repeat steps 9-12 a second time.

The Apogee FireWireUpdater, the utility used to update firmware on the X-FireWire card, does not allow the simultaneous update of multiple units. Thus, when using Windows XP, it's necessary to install and update each card one at a time, including re-installation of the driver. Once all units have been updated, re-install the driver for a final time, connecting up ALL units when prompted by the driver.