

ECI-60 Firmware Update Procedure#

The ECI-60 firmware boot loader uses the USB interface and PC/Laptop application to download a selected firmware image (hex file). The ECI-60 installer includes the USB driver. The driver is not signed and will require driver signature enforcement to be disabled on Windows 7. For Windows XP there is no known issue with the USB Driver.

1. Verify USB Driver Status

To verify the installation status for the USB driver, connect the USB cable to the ECI-60 and then open Device Manager.

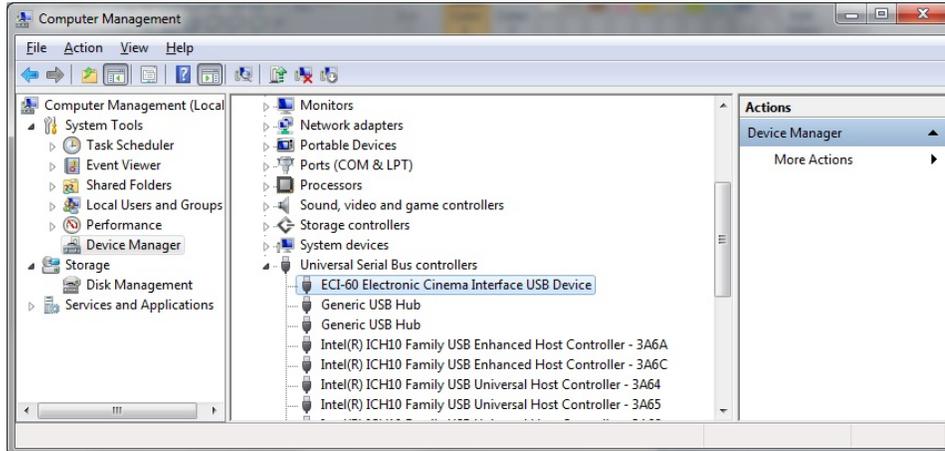


Figure 1 ECI-60 USB Device

For Windows 7 the device will display a caution icon for this driver entry that indicates it is not available for use. To correct this issue, re-boot the computer and after BIOS completes press the "F8" key to display the user options screen. Use the up/down arrows keys to select the "Disable Signature Enforcement" option.

2. Select Communication Port

Launch the ECI-60 application and from the "Communications" drop down menu select the "Communications Settings..." option. Select the USB port and then active the Ok button.

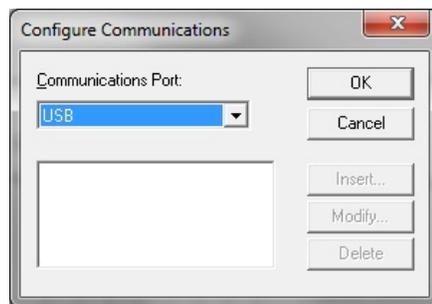


Figure 2 Communications Settings

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3. Open Firmware Update

From the “Help” drop down menu select the “Firmware Update” item to display the following dialog as shown in figure 3. Use the “Browse” button to select the hex file to be downloaded to the ECI-60.

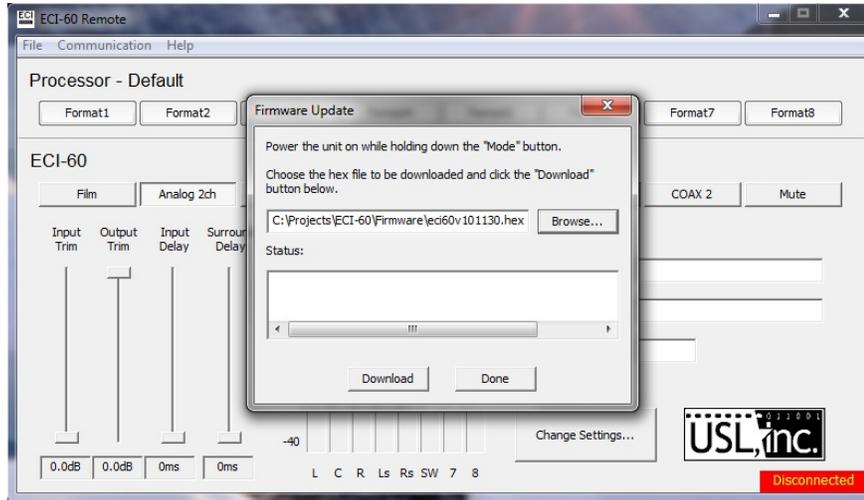


Figure 3 Firmware Update Dialog

4. Download Firmware

As described in the Firmware Update dialog, turn off the ECI-60 and then hold the “Mode” button while turning on the power switch. The ECI-60 will turn on all indicators and wait for a download to occur via the USB port. Activate the “Download” button and note the status.

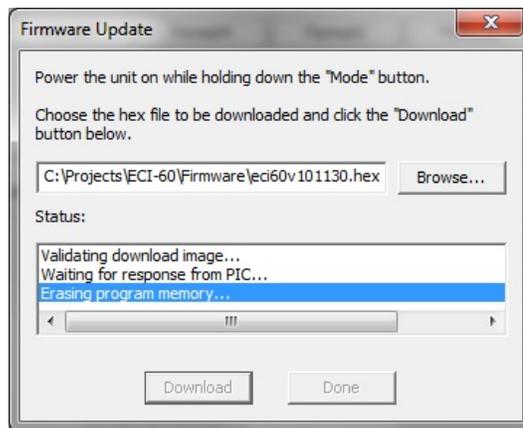


Figure 4 Firmware Download Status

When the download process starts, the indicators on the ECI-60 front panel will start blinking a sequence.

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After the download completes, a status message is displayed and the indicators stop flashing on the ECI-60.

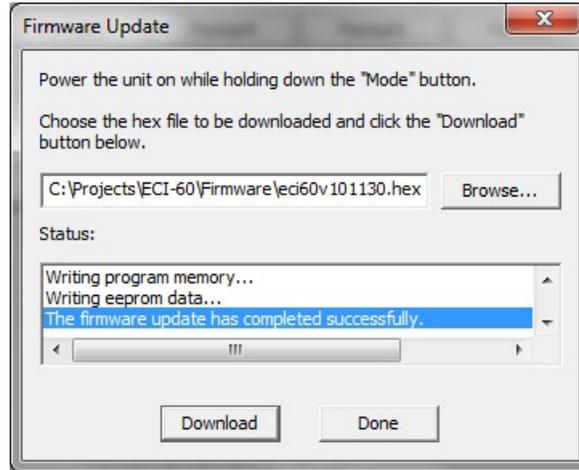


Figure 5 Firmware Download Complete

To reconnect with the GUI, the application must first be closed and then the USB disconnected and then reconnected. A restarting of the GUI application will now allow the user to connect with the ECI-60.