# Light-to-Frequency EVM
# Quick Installation

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## SOFTWARE INSTALLATION

On most PCs, installation will automatically start when the CD-ROM is inserted into the drive. If the installation does not begin:

1. Double-click the **Setup.exe** file on the CD-ROM, or
2. Click Start -> Click Run -> Type D:\setup and press Enter. IMPORTANT: Use the appropriate drive letter in the above command to install the software. CD-ROMs are commonly D:

The installation program will guide you through the product installation.

One application is loaded: "Light-to-Frequency Converter EVM". See the LTFEVM User's Guide on the CDROM for more information.

## USB DRIVER INSTALLATION

**NOTE:** Please leave the LTFEVM installation CD-ROM inserted in the drive. This will simplify the USB Driver Installation steps. The LTFEVM USB driver is located in the D:\FTDI directory on the CD-ROM. This directory can be specified if it is necessary to manually install the driver from a specific location.

Using the enclosed cable, plug the mini-B connector into the EVM module. Using the other end of the cable, plug the USB A-connector into a USB port on the computer.

A USB "Found New Hardware Wizard" dialog should appear. Please carefully perform the following steps to install the appropriate FTDI USB driver.



1. **With the CD-ROM inserted in the drive**, select "No, not this time" when the dialog appears. Click Next.



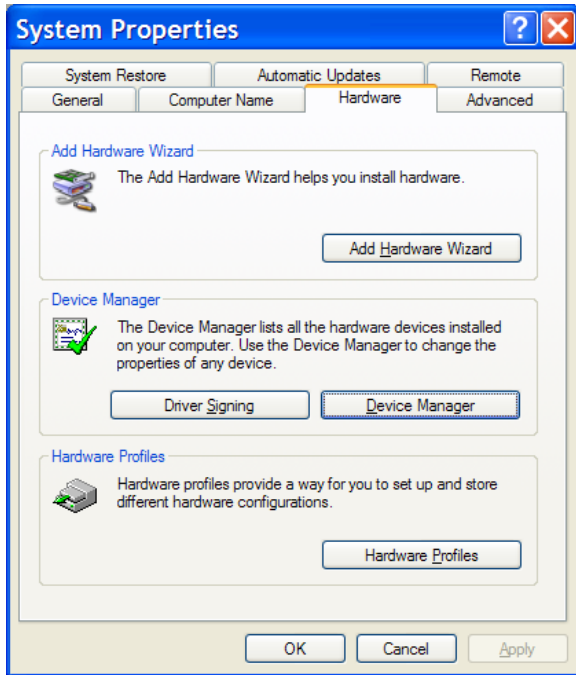2. Select "Install the software automatically (Recommended)". Click Next.

3. A Window dialog will appear indicating that the driver has not passed Windows logo testing. If so, simply ignore the warning and click the "Continue Anyway" button.



4. Click Finish.



5. "Found New Hardware Wizard should restart. Select "No, not this time" when the dialog appears. Click Next.



6. Select "Install the software automatically (Recommended)". Click Next.



7. A Window dialog will appear indicating that the driver has not passed Windows logo testing. If so, simply ignore the warning and click the "Continue Anyway" button.
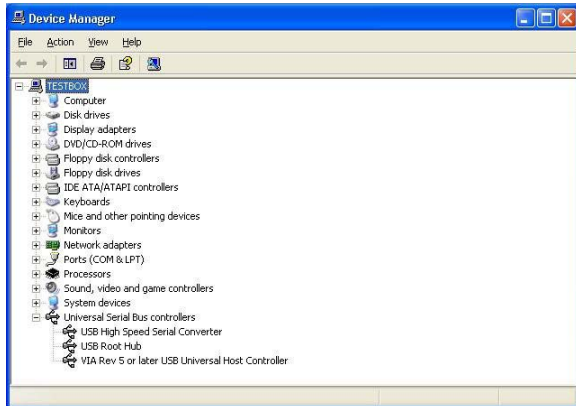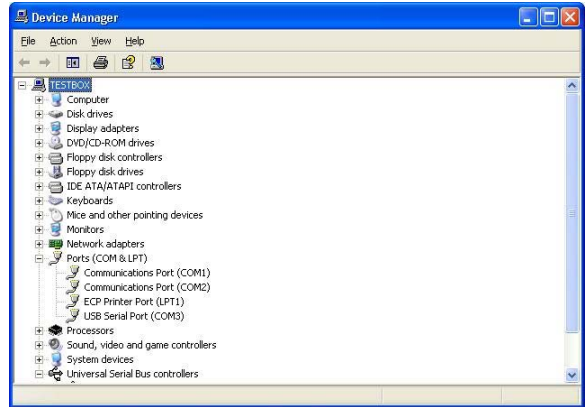


8. Click Finish.

9. **RECOMMENDED:** To quickly check to see if the USB driver was installed properly, go to the 'Control Panel' and double-click the 'System' icon. Select the 'Hardware' tab at the top and click the 'Device Manager' button in the middle of dialog.



10. Scroll down to "Universal Serial Bus Controller" and expand the section by clicking on the adjacent "+". A **USB High Speed Serial Converter** device should appear. Close the "Device Manager" window, and execute the EVM software.

11. For detailed driver installation information for all supported Windows operating systems, please consult one of the following documents located in the FTDI directory on the installation CD-ROM: USB-VCP-Install-WinXP-v1.1.pdf, USB-VCP-Install-Win2K-v1.1.pdf, or USB-VCP-Install-Win98-v1.1.pdf.

12. To verify that the COM port was properly configured, scroll up to the "Ports (COM & LPT)" section and expand by clicking on the adjacent "+" icon.



13. The port will be listed as "USB Serial Port (COMx)" as shown above (note that the COM port number may differ from the image above).

## TROUBLESHOOTING

Some installations may experience occasional connection problems that can be corrected through the virtual com port (VCP) driver properties. The following steps should correct these connection problems.

1. Click Start, Control Panel
2. Double-click on the "System" icon.
3. Click on the "Hardware" tab.
4. Click on the "Device Manager" button.
5. Expand the "Ports (COM & LPT) tree by clicking on the "+" icon.
6. Right-click on the USB serial port, then click "Properties" from the pop-up menu.
7. Click on the "Port Settings" tab, then click the "Advanced…" button.
8. Change the value of the "Latency Timer" under "BM Options" to 1 using the drop-down list.