



# FL593 Driver Installation on Windows® 7 Operating System

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## INTRODUCTION

The FL593 device driver and QuickConnect™ application are compatible with the 32-bit Windows 7 operating system, English version. They are not compatible with the 64-bit Windows 7 operating system.

Because of the way Windows 7 handles device driver software, the driver installation requires user intervention. This document provides detailed instructions on the driver installation process.

## INSTALLATION INSTRUCTIONS

1. Switch on the computer. If the computer is set up with different user accounts, log in as the administrator or super-user. If the software is installed under a single user's account, the FL593 and QuickConnect™ software will operate only under that user's account.
2. Download the device driver from the Wavelength Electronics website Support page (see Figure 1), and note the location of the downloaded files on your computer. Later in the installation process you will need to indicate where the files have been stored.

The screenshot shows a web browser window displaying the Wavelength Electronics website. The page is titled 'Software' and has a navigation menu with 'HOME', 'PRODUCTS', 'SUPPORT', 'COMPANY', and 'CONTACT'. A 'SPOTLIGHT PRODUCTS' section is also visible. The main content area shows a table of software downloads with columns for 'PRODUCT NAME', 'DOWNLOAD', and 'FILE'. The table is filtered by 'LASER DIODE DRIVERS'. The following table represents the data shown in the screenshot:

PRODUCT NAME	DOWNLOAD	FILE
FL593FL	FL593 QuickConnect vsn. 1.2.9	
FL593FL	<b>WEIUSB Driver vsn. 2.1.0.1</b>	
USBKIT	USBKIT QuickConnect v2.0	
WLD3343	LabVIEW Virtual Instrument for WLD3393 - Keithley KPCMCIA-16AIAO DAQ	
WLD3343-2L		
WLD3343HB		
WLD3343-3A		
WLD3343-3L	LabVIEW Virtual Instrument for WLD3393 - National Instruments E-Series DAQ	
WLD3343		
WLD3343-2L		
WLD3343HB		
WLD3343-3A		
WLD3343-3L		

At the bottom of the page, there is a copyright notice: 'Copyright © 2006-2011 by Wavelength Electronics, Inc. This site is optimized for Mozilla Firefox 2.0 and IE 6.0, minimum versions.' and a 'SITE MAP' link.

Figure 1. Wavelength Device Driver Download

**Note that the version number you install from the website may be different than the one shown in this document. Downloading the driver from the website will ensure you have the latest, most up-to-date revision.**

**You may download the QuickConnect™ software at this time, but the driver software must be installed before the QuickConnect™ software is installed or used.**

3. Connect the FL593 to the power supply, then connect it to the computer with the USB cable. Windows will identify the device and then attempt to load the driver automatically by searching its internal driver database. If the driver software was not previously installed, a small dialogue box will open in the lower right corner of the screen, stating the driver was not found. Click the dialogue box, and the Driver Software Installation window will appear (Figure 2).

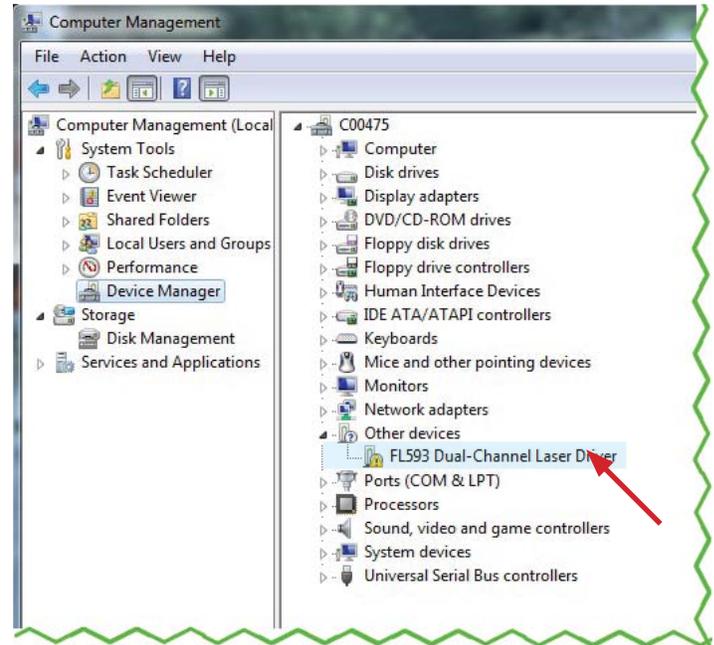
4. Next click the *Start* menu in the lower left corner of the screen. Right-click on *Computer*, then click on *Manage* to open the Computer Management window (Figure 3).



**Figure 2. Driver Software Installation Error**

This window shows that the computer has properly identified the FL593 Dual-Channel Laser Driver, but it was unable to locate the driver software.

Close the window.



**Figure 3. Computer Management -- Driver Selection**

Find the FL593 listing in the main window under Other Devices, and double click on it to open the Properties window for the device.

5. The Properties window will open and indicate the drivers for the device are not installed. Click the *Update Driver* button (Figure 4).

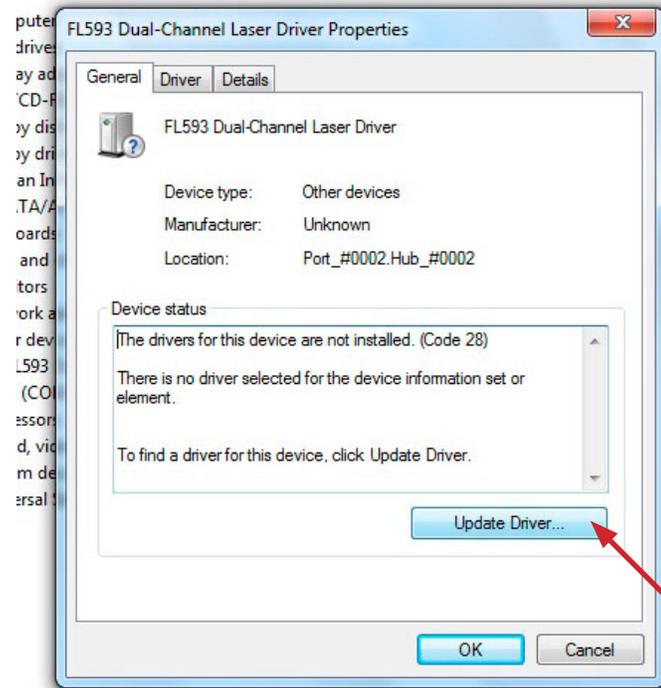


Figure 4. FL593 Device Driver Properties

7. A new window will open directing you to indicate the path to the driver software (Figure 6). Click the *Browse...* button and identify the folder where you have stored the files that you downloaded from the Wavelength website. Once you've selected the path, click *Next*.



Figure 6. Update Driver Software

6. You will have the option to allow Windows to search for the driver automatically, or you can search manually. Double-click the *Browse my computer for driver software* button (Figure 5).

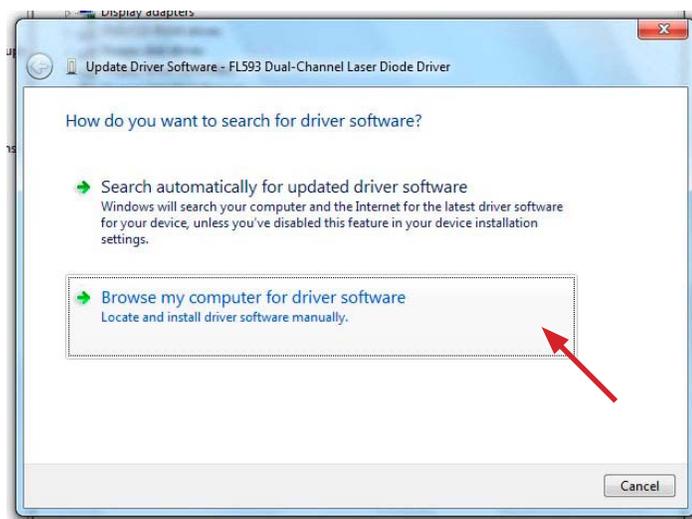


Figure 5. Browse for Driver

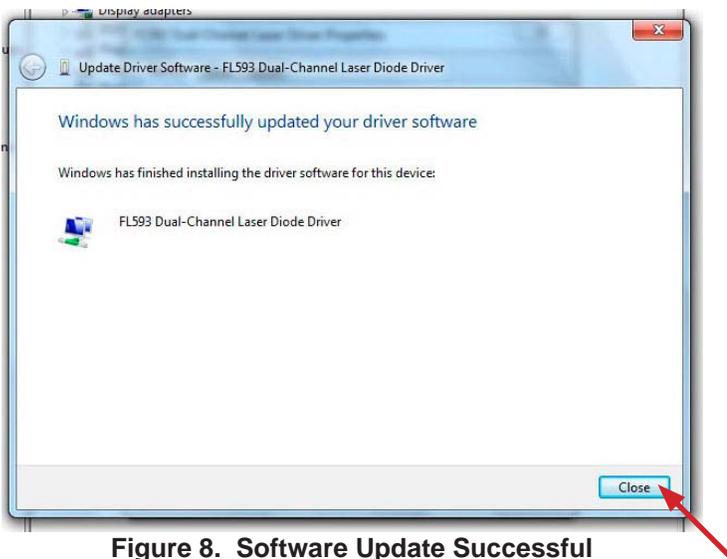
8. A Windows Security window will alert you that Windows can't verify the publisher of the driver software (Figure 7). This message is normal and expected. Click the *Install this driver software anyway* button.



Figure 7. Windows Security

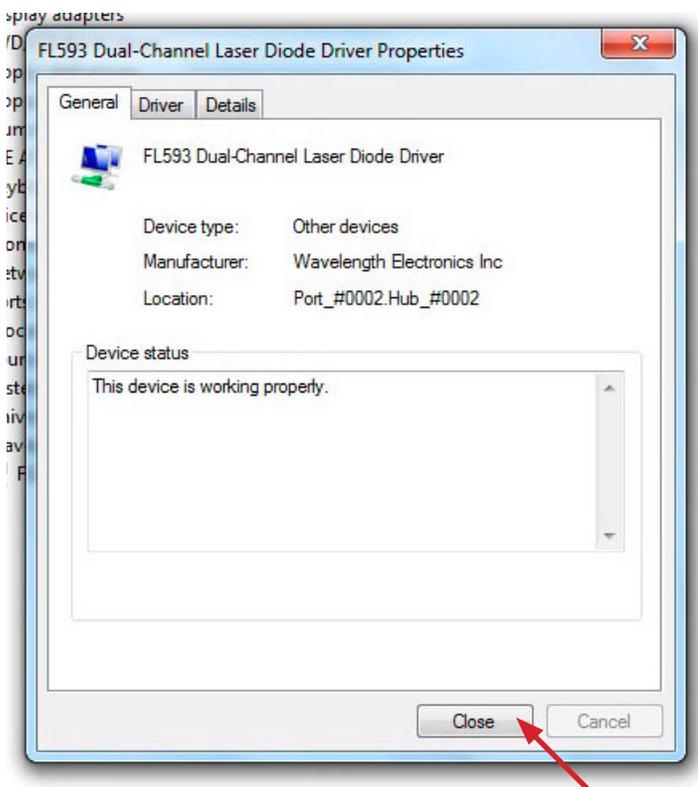
9. After a short while a new window will open indicating that the driver is successfully updated (Figure 8). Click the *Close* button.

11. The QuickConnect™ software can now be installed by following the directions in the product datasheet.



**Figure 8. Software Update Successful**

10. The Properties window first opened in Step 5 now indicates *This device is working properly* (Figure 9). Click *Close* to complete the driver installation.



**Figure 9. FL593 Device Driver Properties**

REVISION HISTORY		
REV	DATE	NOTES
A	13-Oct-11	Initial Release

Windows is a registered trademark of Microsoft Corporation.

### KEYWORDS

Windows 7, 32-bit operating system, FL593 driver, software compatibility