ELECTRONIC DISPLAYS INC.

135 S. CHURCH STREET ADDISON, ILL. 60101 *www.electronicdisplays.com*



EDV3150 : Serial to USB adapter



Table of Contents

Driver Installation	3
Determining Communication Port (Com Port)	4
Creating <u>Device Manager</u> Shortcut	5
Manual Driver Install	
Windows XP	6
Windows Vista,7,8	11
Frequently Asked Questions	15

Driver Installation

- I. Connect the USB male A side of the adapter to the computer and connect the male B (rounded square side) to the adapter.
- II. Download the drivers on our support site.

Direct link:

http://edisupport.helpserve.com/Knowledgebase/Article/View/111/17/edv3150-usbto-serial-adapter-driver

Attachment: "EDV3150 Drivers.zip"

III. Extract the contents of the zip file.

IV. Execute the setup for your operating system.

Operating system	Setup location (in zip file)
Windows XP	\\ <u>32 bit drivers</u> \PL-2303 Driver Installer.exe
Windows 7 32-bit Windows 8 32-bit Windows Vista 32-bit	\\ <u>32 bit drivers</u> \PL-2303 Vista Driver Installer.exe
Windows Vista 64-bit Windows 7 64-bit Windows 8 64-bit	\\ <u>64 bit drivers</u> \EDV315064-bit.exe

V. Open up the Windows Device Manager

Operating system	Instructions
Windows XP	Start \rightarrow Run \rightarrow type " <u>devmgmt.msc</u> " and select OK
Windows 7/Vista	Start \rightarrow type " <u>devmgmt.msc</u> " and press <u>Enter</u> on your keyboard.
Windows 8	Press Windows + S \rightarrow type " <u>devmgmt.msc</u> " in search and press <u>Enter</u> on your keyboard.

VI. Scroll down to the "**Ports (Com & LPT)**" and look for "**Prolific USB-to-Serial Comm Port (Com#)**" to be listed.

Take note of the Communication port number that is listed in parenthesis (this will need to be set in the communication settings of our display software).

Notes:

- If at any time the adapter is moved to a different USB port on the computer, the communication port number needs to be verified again (each USB port on a computer has a different port number). See table of contents on how to make a Device Manager shortcut.
- If there is a yellow ! on the icon to the left of the adapter in Device Manager, there is a driver issue. Follow the procedure on how to install manually install the drivers.

Determining Communication Port (Com. Port)

I. Open up Device Manager

Operating System	Instrucitons	
Windows XP	• Click the Start button.	
	• Select Run	
	Type "Devmgmt.msc"	
	• Select OK	
Windows Vista/7	Click the Start/Windows button	
	• Type "Devmgmt.msc" in the search	
	• Select the ' devmgmt.msc ' result <u>or</u> press the	
	Enter button on your keyboard	
Windows 8	• Press the Windows Icon and S on your keyboard at	
	the same time and release.	
	• Type " Devmgmt.msc " in the search	
	• Select the ' devmgmt.msc ' result <u>or</u> press the	
	Enter button on your keyboard	

II. Scroll down to the "Ports (COM & LPT)" and expand it by pressing the + sign.

III. Look for the "Prolific USB-to-Serial Comm Port (Com#)" listing.

The Communication port that needs to be set in software is the number in parenthesis. Set this Com Port in the communication settings of the display software.

Note:

• Each time a different USB port is used with the adapter, the Communication port <u>will</u> change and the procedure above needs to be followed to check the port number.

A <u>Device Manager</u> shortcut can be made if the cable will be frequently disconnected (see table of contents).

- I. Right-click on desktop \rightarrow New \rightarrow Shortcut.
- II. Type **devmgmt.msc** for the location of the item

	X
📀 🔹 Create Shortcut	
What item would you like to create a shortcut for?	
This wizard helps you to create shortcuts to local or network programs, f computers, or Internet addresses.	ïles, folders,
Type the location of the item:	
devmgmt.msd	Browse
Click Next to continue.	
	Next Cancel

III. Change the name to **Device Manager** and select **Finish**

What would you like to name the sho	ortcut?
ype a name for this shortcut:	
Device Manager	

Windows XP – Manual Driver Install

1. Locate and download the Prolific USB-to-Serial drivers (EDI model number: EDV3150)

Direct Link:

http://edisupport.helpserve.com/Knowledgebase/Article/View/111/17/edv3150-usb-toserial-adapter-driver

A. Download attachment: EDV3150 Drivers

- 2. Extract the contents of the .zip file to a new folder.
- **3.** Disconnect the serial-to-USB adaptor and reconnect it to the display.
- 4. Open device manager. Go to Start → Run. Type devmgmt.msc and select OK
 - **A.** Locate the adaptor in the device manager, right click and select **Update Driver**. May be listed in the '<u>Ports (Com & LPT)</u>' or 'Other devices' section.



B. Select '<u>No, not this time'</u> in the hardware Update Wizard and click **Next**.



C. Select 'Install from a list or specific location (Advanced)' and click Next



D. Select 'Don't search. I will choose the driver to install.' and click Next.

Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
✓ Include this location in the search:
C:\Documents and Settings\Owner\Desktop\Prolific V Browse
Ont search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back Next > Cancel

E. Highlight 'Show All Devices' and click Next.

Hardware Update Wizard		
Hardware Type.	6	
Select a hardware type, and then click N Common hardware types:	ext.	7
Show All Devices Show All Debugger Device Show 2394 Debugger Device Show 2000 Show 2		
sa Diek drivae	< Back Ne	xt > Cancel

F. Select Have Disk



G. Select **Browse** and navigate to the new folder that the drivers were extracted to.

	From Disk
Aa Aa Sta Sta Sta	Insert the manufacturer's installation disk, and then OK make sure that the correct drive is selected below. Cancel
	Copy manufacturer's files from:

H. Select SERSPL.INF from the directory and click Open

Locate File				<u>? 🗙</u>
Look in:	C Prolific		🕑 🧿 🖻	۶ 🛄 -
My Recent Documents	ser2pl.inf	<		—10
Desktop				
My Documents				
My Computer				
	File name:	ser2pl.inf	•	V Open
My Network	Files of type:	Setup Information (*.inf)	1	Cancel

I. Highlight the model listing that is 'digitally signed' (Has icon to the left of it) and click **Next**.

Hardware Update Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Model Prolific USB-to-Serial Comm Port Prolific USB-to-Serial Bridge
This driver is digitally signed. <u>Tell me why driver signing is important</u> Have Disk
< Back Next > Cancel

J. The Hardware Update Wizard will now install the drivers, if a prompt asks to install the driver select 'Continue Anyway' and wait for it to install.

Once complete, the Prolific Serial-to-USB adaptor will be listed in the 'Ports' section of Device Manager.

The communication port (Com#) will be in parenthesis next to the adapter in the Device Manager. <u>Set this Com. Port number in the communication settings of the display software.</u>

Windows Vista,7 & 8 – Manual driver install

1. Locate and download the Prolific USB-to-Serial drivers (EDI model number: EDV3150)

Direct Link: http://edisupport.helpserve.com/Knowledgebase/Article/View/111/17/edv3150usb-to-serial-adapter-driver

a) Download attachment: **EDV3150 Drivers.zip**

- 2. Extract the contents of the .zip file to a new folder.
- 3. <u>Windows Vista & 7:</u> Click the Start button and type "**devmgmt.msc**" in the search box to open the Device manager.

Windows 8: press Windows + S and search "devmgmt.msc".

a) Locate the USB-to-Serial adapter in the device manager. It will be listed under the 'Ports (COM & LPT)' section or under 'Other Devices.'

Right click on the adapter listed and select "Update Driver Software"



b) Select "Browse my computer for driver software"



c) Select "Let me pick from a list of device drivers on my computer"



d) Select "Have Disk"

×
📀 🧕 Update Driver Software - Prolific USB-to-Serial Comm Port (COM4)
Select the device driver you want to install for this hardware. Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
 ✓ Show compatible hardware Model □ Prolific USB-to-Serial Comm Port
This driver is digitally signed. 5 Have Disk
Next Cancel

Select th	e device driver you want to install for this hardware.
~	Install From Disk
Show Model	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below. Cancel
	Copy manufacturer's files from: Browse

f) Select the "ser2pl.inf" file and click Open.

4		Locate	File		×
Look in:	🔒 New folder	~	G 👂 📂 🛄 -		
Recent places	Name	*	Date modified	Туре	Size
	📰 ser2pl.inf		7/25/2005 8:05 AM	Setup Information	2 KB
	SERSPL.INF		5/23/2001 12:42 PM	Setup Information	3 KB
Desktop	ERWPL.INF		8/8/2005 3:15 PM	Setup Information	9 KB
Cibraries					
Market This PC					
Network	File name:	ser2pl inf		~	Open
	Files of type:	Setup Information (*.inf)		\sim	Cancel

e) Select "Browse" and navigate to the folder that you extracted the driver to.

g) The driver will now install. Once complete, go back to the device manager and look under the "Ports (Com & LPT) section for the Prolific Serial to USB adapter.

Take note of the communication port number (COM#) that is in parenthesis; that specific number will need to be set in the Communication Settings of the display software.

1. I am using a serial cable, not a serial-to-USB adaptor. How do I know what Com Port I am using?

If you are using a serial cable it will appear under the "Ports" section of Device Manager as "Communication Port (Com#)."

By default, the computer will assign the serial port to COM1 or COM3.

2. Do I have to verify the Com Port that is being used each time I communicate with my display?

The only time that you have to verify the Com Port is when you initially set the communication settings for the software or if you are using a serial-to-USB adaptor and have changed the USB port on your computer.

There are multiple USB ports on a computer and the operating system assigns each device that is connected to the computer a Com Port; therefore, if a USB cable is moved to a different port, the Com Port changes are well.

3. I plugged my USB-to-Serial cable into my computer and do not see it in the port section of device manager.

There are several variables that can prevent the serial-to-USB cable from appearing in the "Ports" section of Device Manager: the driver for the serial-to-USB cable is not installed, the wrong driver is installed or the serial-to-USB is damaged and/or malfunctioning.

To resolve the issue, plug the serial-to-USB cable into your computer and look through the device manager for a device with a "!" next to it (see Figure 1 below). If there is a device that has a yellow "!" next to it, then the device has a driver issue. Check the Table of Contents and follow the procedure to manually install the drivers for the device.



If there is no yellow "!", then try using a different USB port on your computer to resolve the issue.

4. There is a yellow "!" next to an unknown device in the "Ports" section of Device Manager and nothing else is listed.

The incorrect driver has been installed for the serial-to-USB cable or no driver has been installed. Install the driver from the CD that came with the serial-to-USB cable or by downloading the drivers from the manufacturer's website.

5. I purchased a Serial-to-USB adaptor from Electronic Displays Incorporated. Where would I find the driver for the cable?

The driver can be located on our support website:

Direct Link: <u>http://edisupport.helpserve.com/Knowledgebase/Article/View/111/17/edv3150-usb-to-serial-adapter-driver</u>