

Section 4: Installing the ECC (Epilog Control Center)

In This Section

- Installing the ECC
-

The ECC (Epilog Control Center) provides Job Management features as well as laser control and laser machine configuration options. The ECC is not required to operate the laser, but it provides many user features that make operating your Fusion easy.

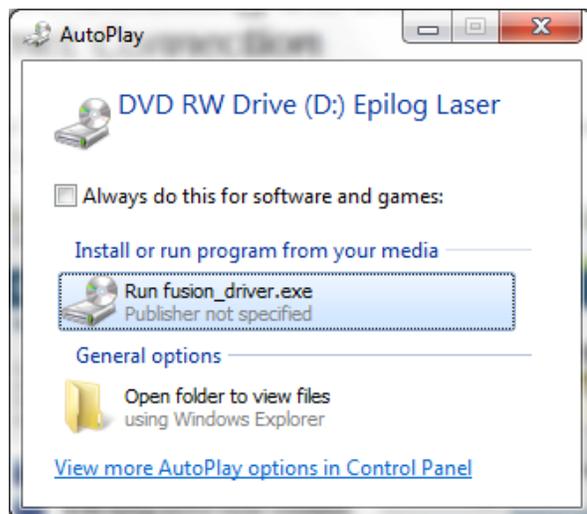


To install the ECC, insert the Epilog install disk into your computer's disk drive. It should Auto-Start and the following window should appear:



Section 4: Installing the ECC

If the following screen appears, click on Run fusion_driver.exe and then the install screen will appear.

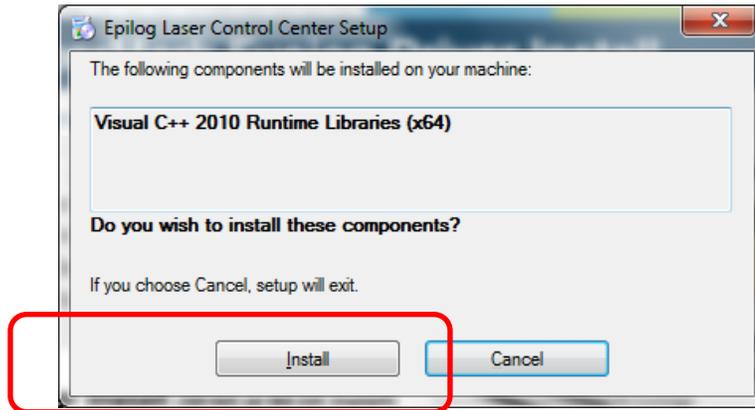


Click on Epilog Control Center Installation. You will need to choose between the 32-bit and 64-bit driver based on your computer's operating system.



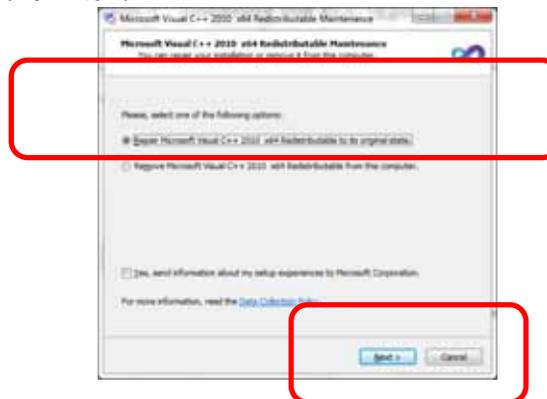
Click on Install.

Section 4: Installing the ECC



The next screen will prompt you to allow Windows to install the software. Click Yes.

Select Repair and then Next



Click on Finish



Section 4: Installing the ECC



After installing the ECC connect your computer to the laser using either the USB connection or the Ethernet connection. The following combinations can be used.

USB only connection – Both the print driver and the ECC operate simultaneously through the USB connection.

Ethernet only connection – The Print driver can be used with the Ethernet connection, but the Job Management portion of the ECC does not work with the Ethernet connection. However, the Control tab and the Configuration tab in the ECC are operational and very useful with the Ethernet connection.

Combination Ethernet and USB – If you choose, you can connect both the USB and Ethernet connections. This allows you to print through the Ethernet connection and use the ECC through the USB connection.

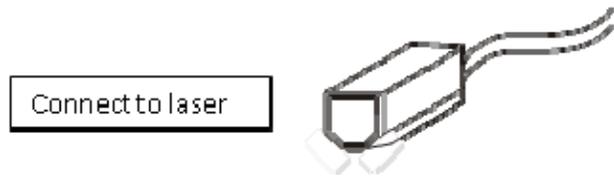
To install the ECC use the following instructions:

Insert the Epilog install disk into your computer's disk drive.

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USB Port

A USB cable is included in the accessory kit. The USB port is located at the rear of the machine. USB cables have different connectors on each end. Turn the laser *Off*, then connect this end to the laser and connect the other end into any available USB port at the back of your computer. After connecting the USB cable, turn the laser back on.



Ethernet Port

The Ethernet Port is a standard 10BaseT connection. A crossover cable (included in the accessories kit) is used. The Ethernet port is located at the back of the machine. Your Epilog laser has all of the versatility of a Network capable peripheral. As such, there are many different ways that the laser can be connected to a computer or a network. A direct connection using a crossover cable is the only method that will be described in this manual. Plug the cable into the Ethernet port on the laser and then plug the other end into the Ethernet port on the back of your computer.

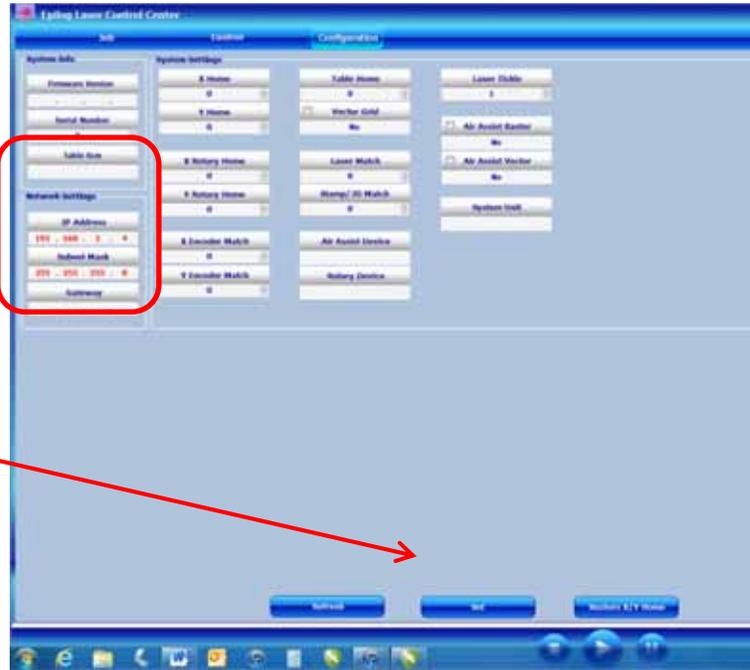
If you are going to print to the Fusion through the Ethernet connection you will want to set the IP Address in the Fusion using the Configuration tab of the ECC. This part was described in the previous section of this manual so you do not need to perform this function again if you have already completed this step. To set the IP Address in the Fusion make sure your Fusion is powered on then go to your computer and open the ECC to the Configuration tab.

You can also set the IP Address from the Fusion keyboard. Instructions are provided in the section “Using the Front Control Panel” later in this manual.

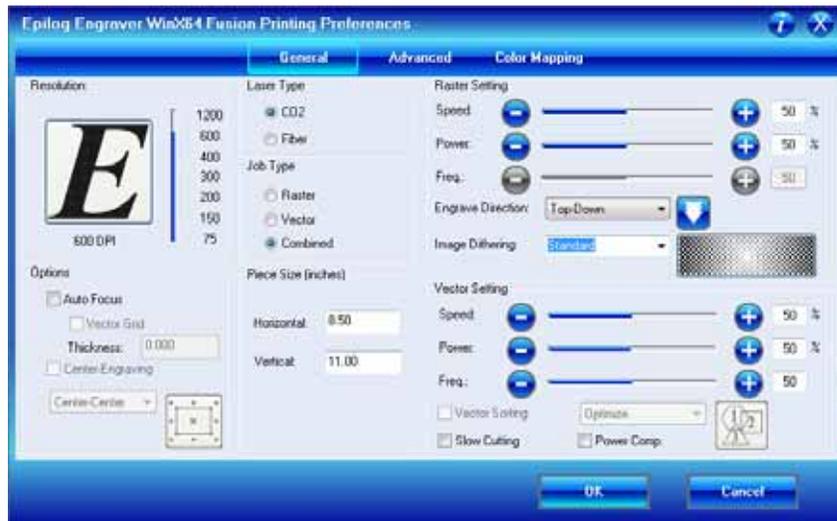
Section 4: Installing the ECC

Type the IP Address you want to use along with the Subnet Mask. The Gateway can remain blank.

Click “ Set” to change the setting in the Fusion.

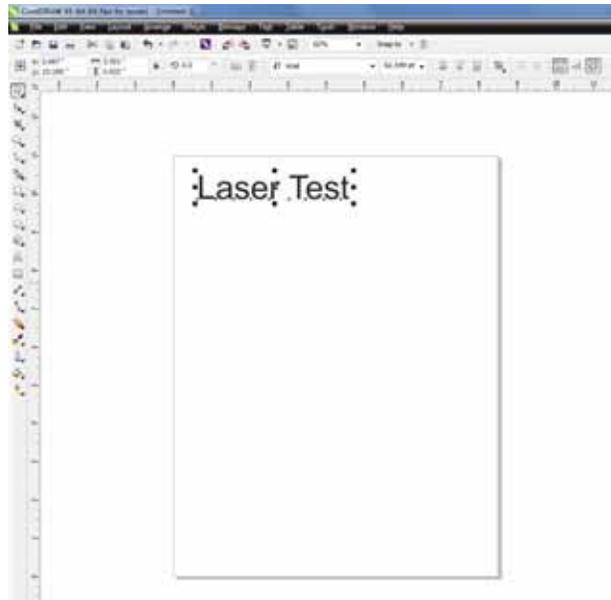


With the IP Address setting established you are ready to print to the Fusion from the Dashboard print driver:



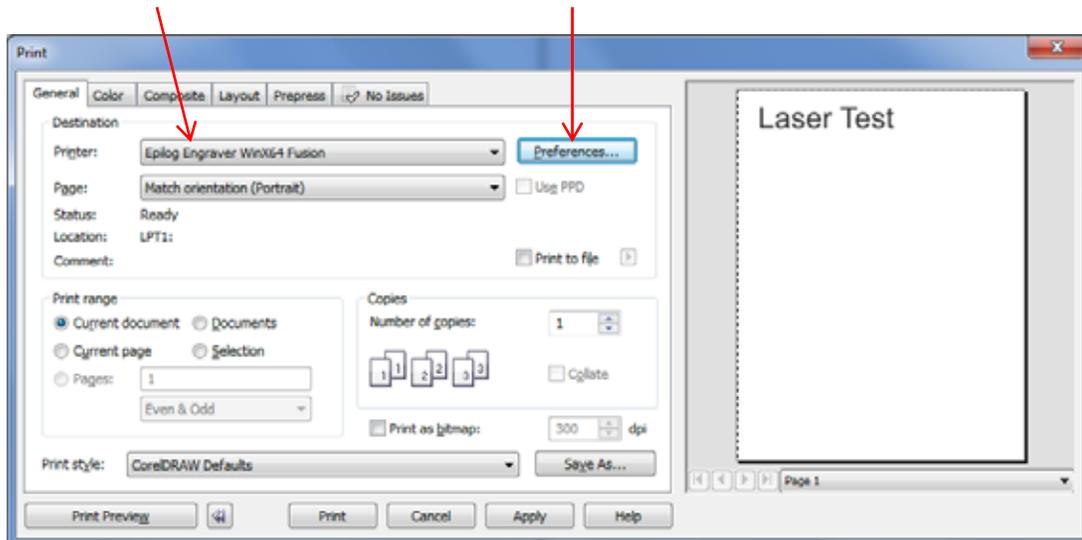
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The next step is to set up and print a test job:



Use Ctrl P, or go to File | Print to print to the laser.

Choose the Fusion driver, and then click on Preferences:



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Set your laser parameters for the test job and then press Okay. For this test job the laser parameters are not overly important. We are just making sure the computer and laser are talking to each other and that a job can be sent and will start running.



Section 5: Installing the Epilog Dashboard Print Driver

In This Section

- Installing the Dashboard Print Driver Using an USB Connection
 - Installing the Dashboard Print Driver Using an Ethernet Connection
-



The Epilog Dashboard is the print driver that allows your computer to talk to your Epilog laser system when either the USB or Ethernet Crossover cables are connected. The driver is included in the accessories kit on a CD-ROM or on our web site - www.epiloglaser.com. Install the Dashboard by following the procedures on the following pages.

There are two ways of installing the Epilog Dashboard.

Most users will want to install the driver with using the USB connection.

1. USB connection.
 - a) The process for Windows XP or Vista is easy and straightforward.
 - b) The process for Windows 7 or 8 takes additional steps.
2. Ethernet connection.

The Fusion offers both 32-bit and 64-bit drivers. Windows XP, Vista, Windows 7 and Windows 8 can be used.



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Installing the Dashboard Driver Using the USB Connection using XP or Vista



To install the Dashboard print driver using the USB connections with Windows XP or Vista, follow these instructions:

1. Connect your laser system to your computer using the USB cable that came with your machine.
2. Power up your Fusion system.
3. Insert the Epilog driver disk into your computer's hard drive.
4. Your computer will prompt you to install the driver.
5. Follow the prompts.

Installing the Dashboard Driver Using the USB Connection using Windows 7 or 8



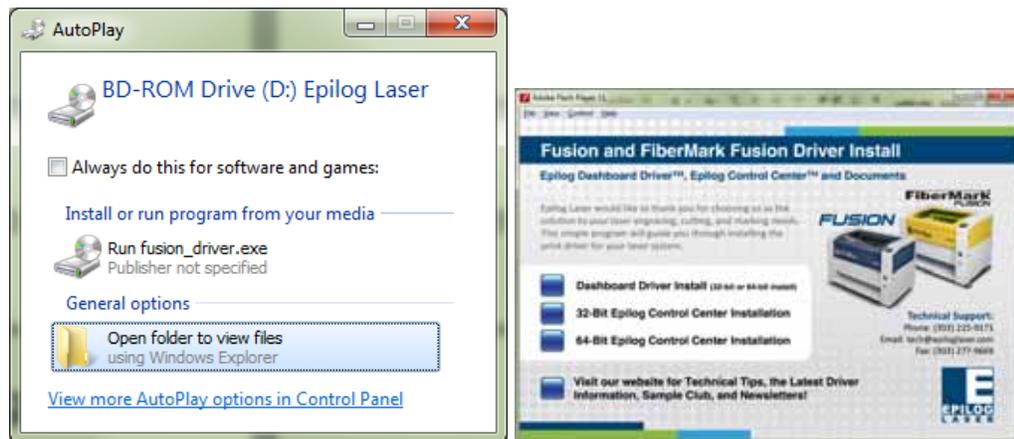
The process of installing a USB printer when using Windows 7 or 8 is more complicated than when using XP or Vista. Windows 7 and 8 will not automatically walk you through the installation process so it is important to follow the instructions below.



Please follow these instructions closely! Using a different process to install the Dashboard driver using a different process is likely to fail if you are using Windows 7 or 8.

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1. Insert the Epilog driver install disk into your computer. One of the following screens will appear. For the USB installation, you will want to close them. We do not want the computer to automatically try and install the driver. Manually installing the driver will be much more successful.



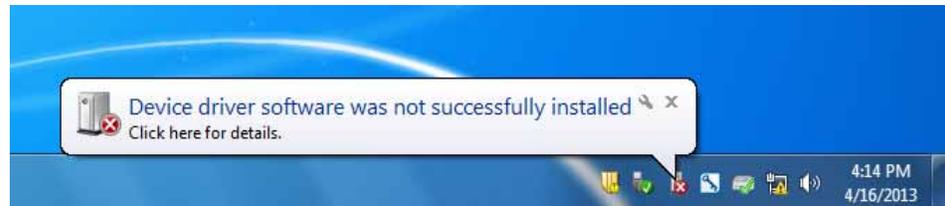
2. Connect the USB cable to your computer and your Fusion.
3. After closing the Window above and connecting the USB cable, power on your Fusion laser system. It will take about a minute for the Fusion to initialize. After it initializes it will start the process of installing the driver. You will see activity on the USB icon in your system tray (lower right corner of your computer screen).

The activity will show a small window in the lower right corner that indicates installation was successful. This is only partially true.



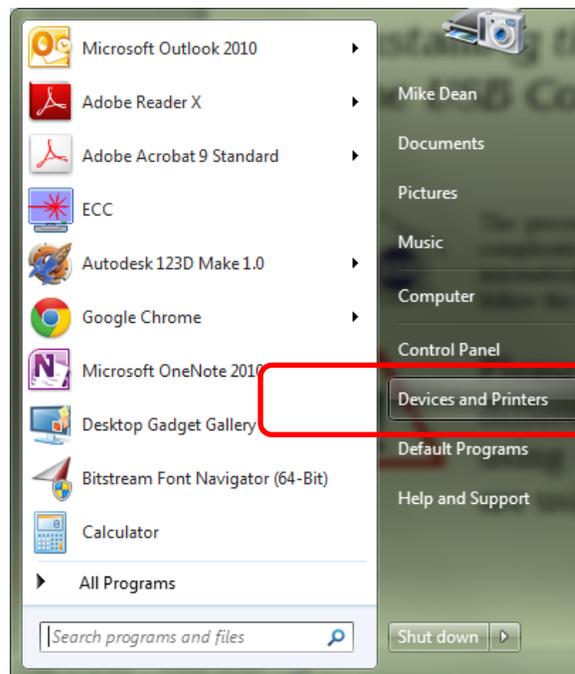
Section 5: Installing the Epilog Dashboard Print Driver

After a short wait you will see another small window that indicates the installation was not successful. This is what we hope to see and will lead us to the next step in the process.



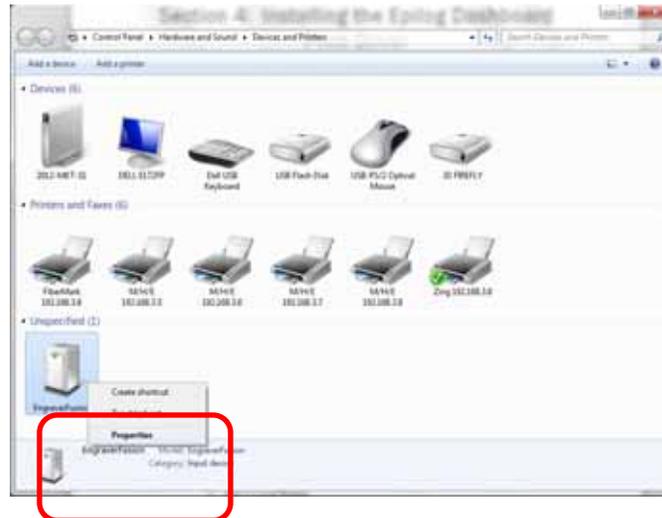
If your computer is connected to the Internet, it will take a few minutes for your computer to display these windows. Please be patient during this process and let the computer finish trying to install the drivers. Interrupting the computer at this point will require us to restart the process.

4. After the failure notification, go to the Windows start button (lower left corner of your computer screen). Click on Devices and Printers.

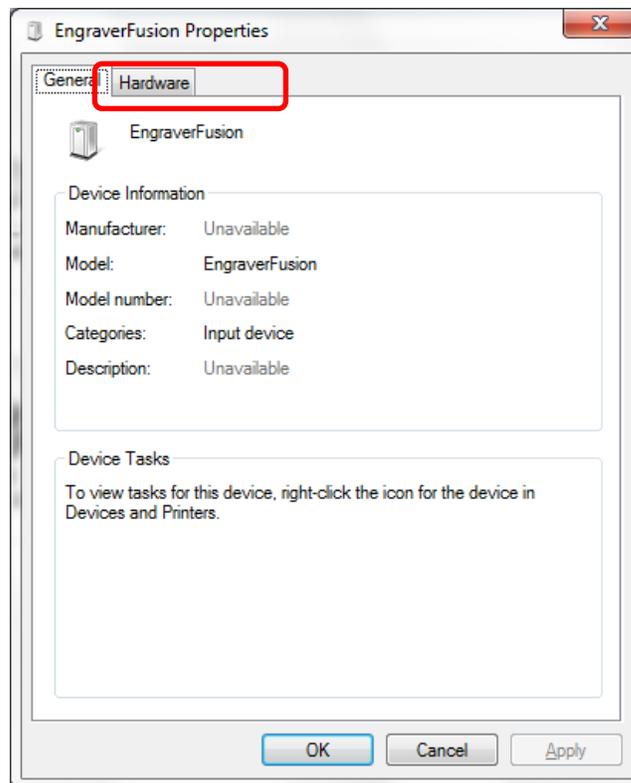


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5. First, right click on the Fusion icon. Then click on Properties.

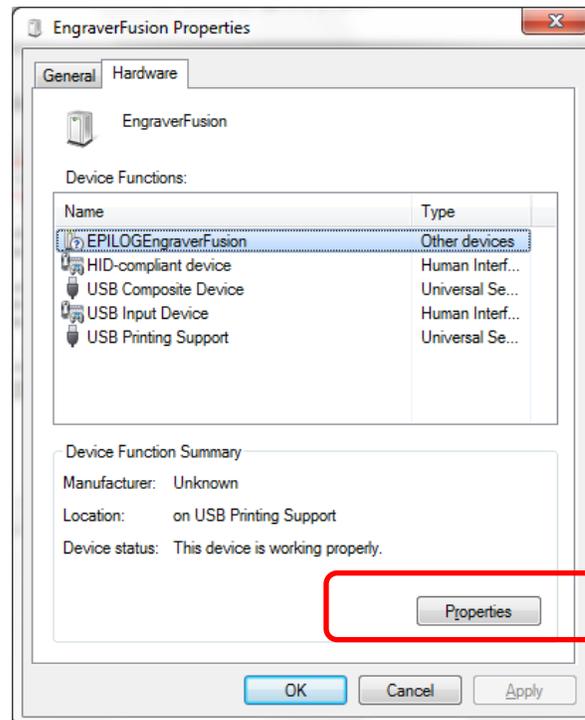


6. Select the Hardware tab.

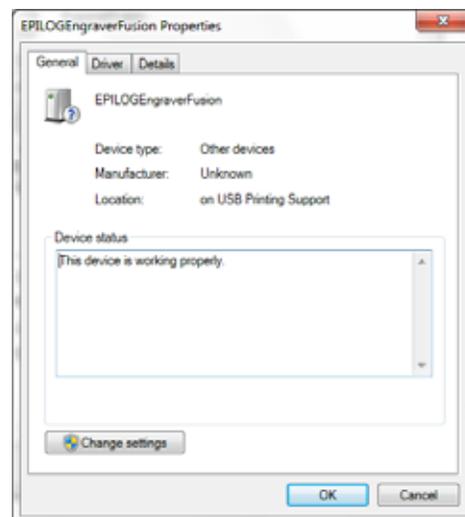


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7. Select the device EpilogEngraverFusion. Then click on Properties.

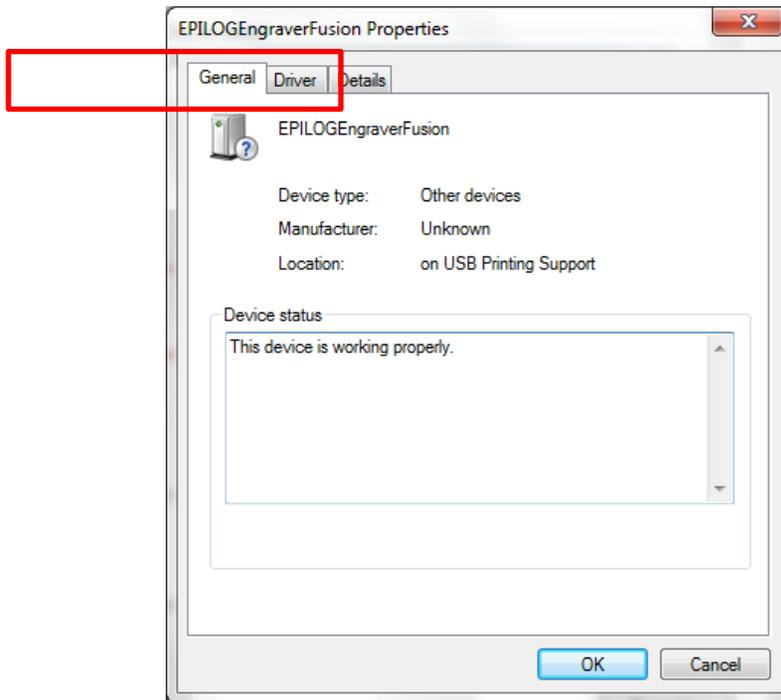


8. Click on Change Settings.



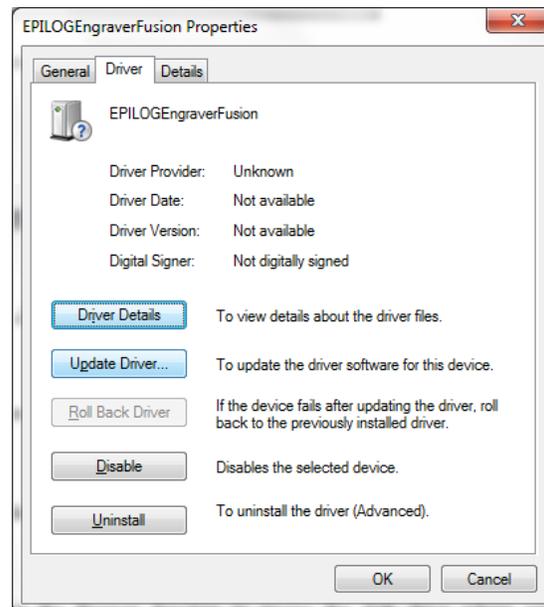
Section 5: Installing the Epilog Dashboard Print Driver

9. Click on the Driver tab.

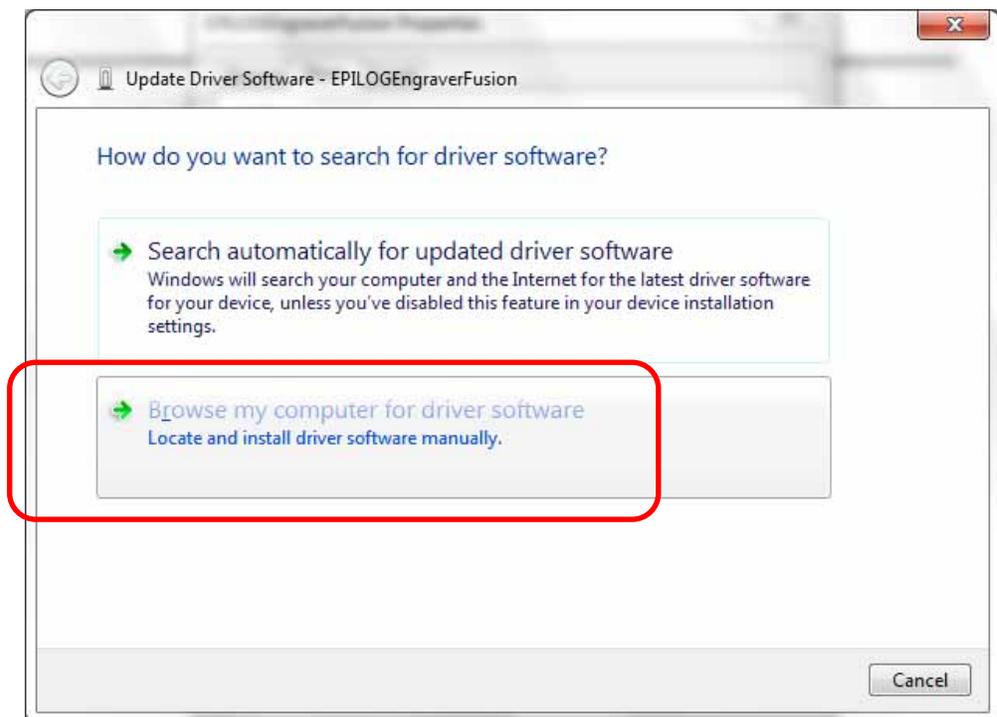


10. Click on Update Driver

Section 5: Installing the Epilog Dashboard Print Driver



11. Click on Browse my Computer for driver software

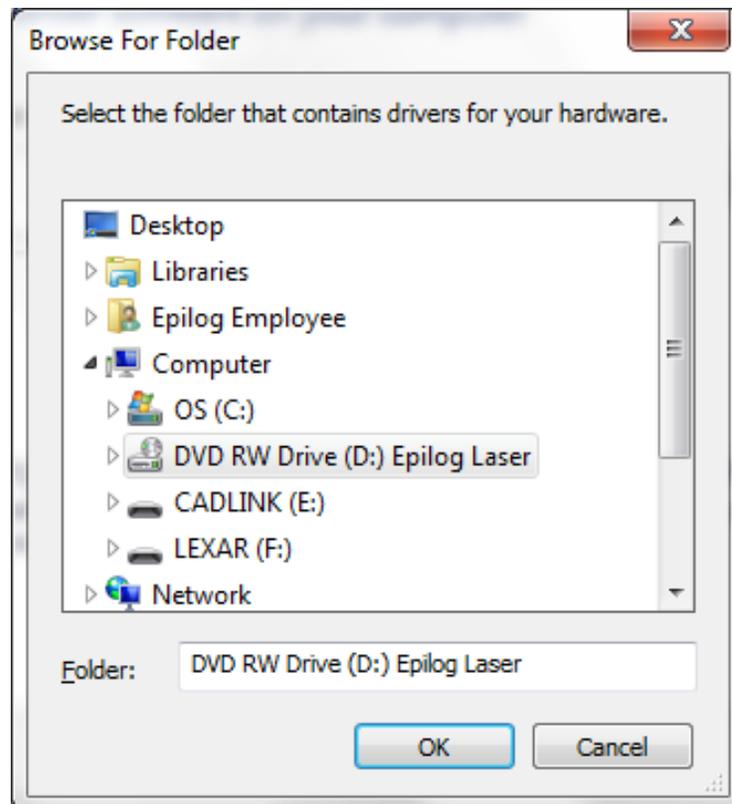


12. Use the Browse button to direct your computer to your disk drive that contains the Epilog driver disk that you inserted earlier in this process.

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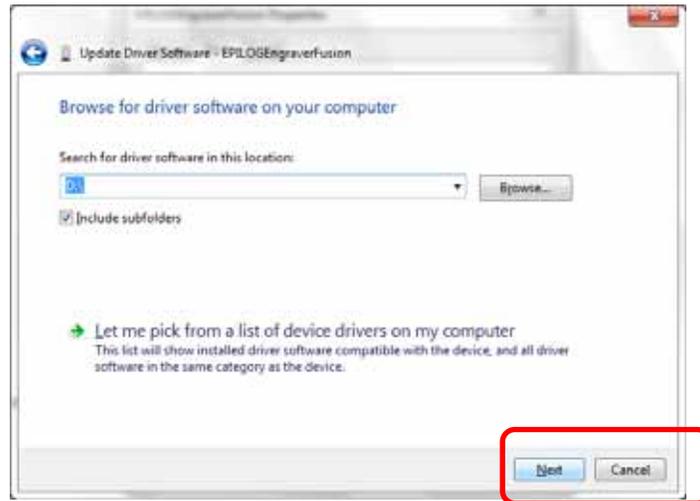


For this document we show the DVD RW drive as the drive where the disk is located.

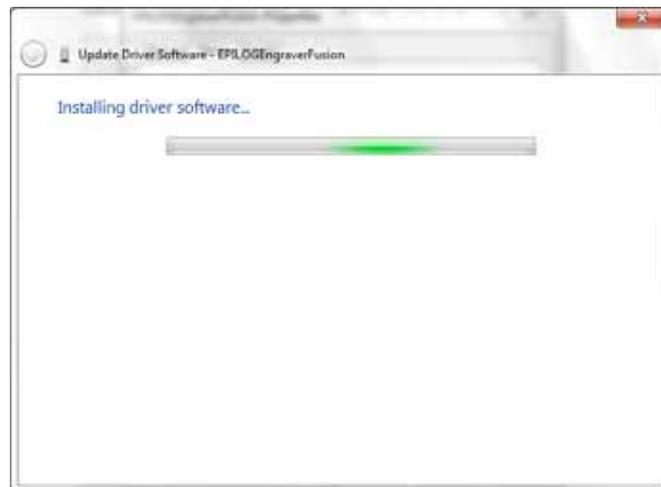


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Once you have the proper disk drive showing click on the Next button.

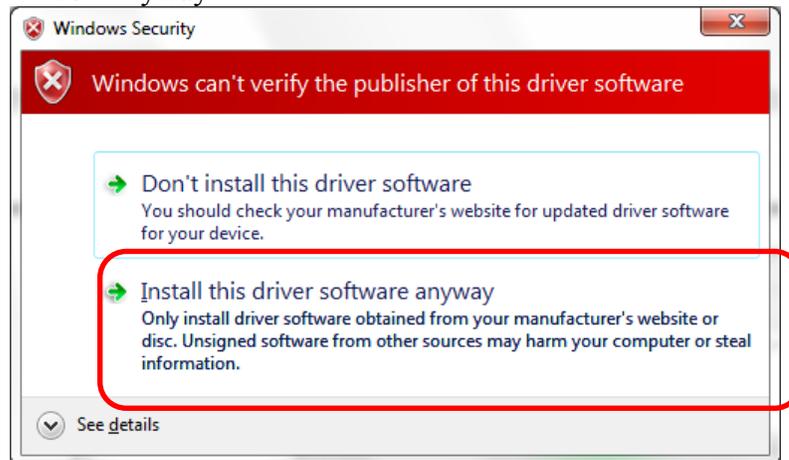


The progress window will appear.

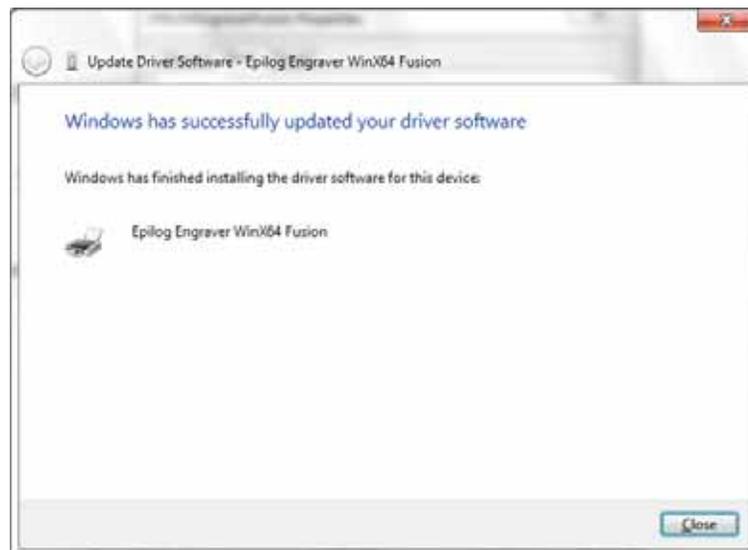


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13. You will then be asked if you want to install this driver: Click on Install this Driver Anyway



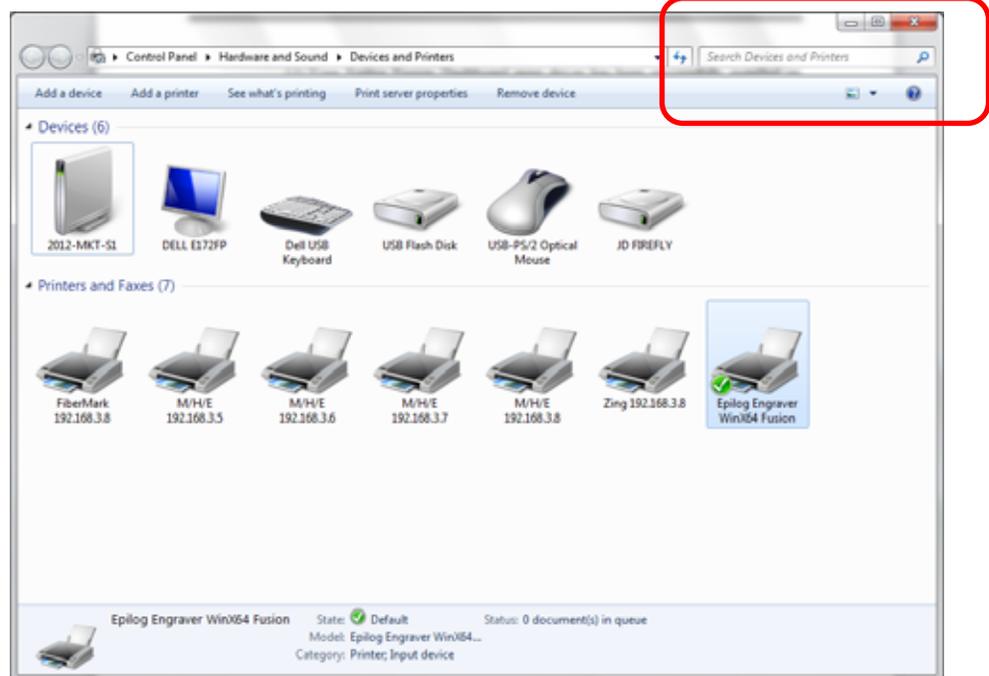
14. Your Epilog Fusion Dashboard print driver has been successfully installed on the USB port.



15. Click on Close in the next window and then Close again.

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You will then see your Fusion driver in the Devices and Printers page. Click on the red X in the upper right corner of this page.



That's it! You are ready to print to your Fusion.

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Installing the Dashboard Driver Using an Ethernet Connection and a Crossover Cable

If you using an Ethernet connection to print to the Fusion the first steps will show how to set up your computer to talk to the Fusion before the driver is installed. The process includes the following steps:

1. Setting the Ethernet IP Address on the laser,
2. Setting up the computer's TCP/IP Address, and
3. Dashboard Driver Installation.

Note: The following instructions work only for a direct connection from the computer to the Epilog laser using a Crossover cable. This procedure does not work with a hub or a server. For Ethernet connections that require a hub, server, or multiple machines/computers, please consult with your network administrator.

Hardware Requirements

- A 10Base-T or 10/100Base T Ethernet network card installed in your computer. All brand name computers that have been built in the last couple of years should have come standard with an Ethernet card installed.
- A crossover cable connecting your computer to the laser (included in your accessories kit).

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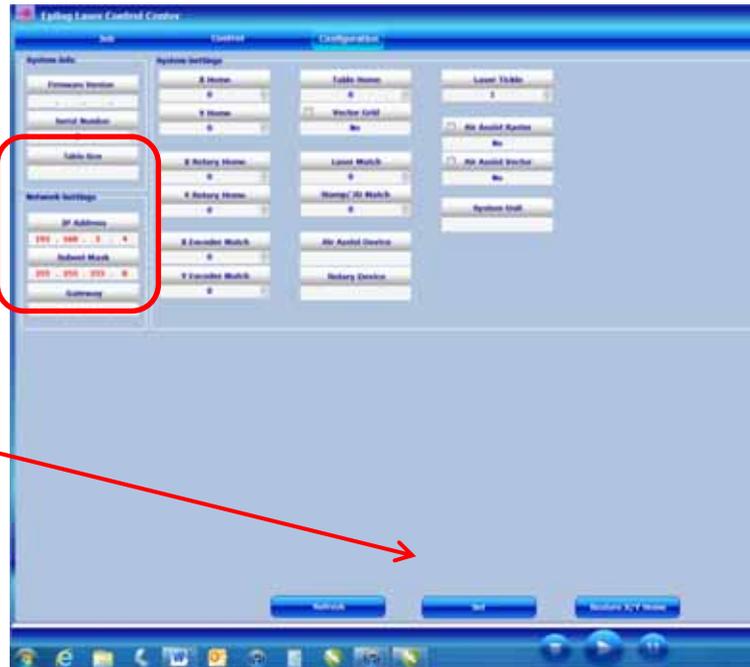
Step 1 Setting the Ethernet IP Address on the Laser

The easiest way to set the IP Address on the Fusion is to first install the ECC and make the change from the Configuration tab.

You can set the IP Address from the Fusion keyboard on the front of the machine, however it is more convenient to use the ECC. See the section on “Using the Front Control Panel” for keyboard instructions.

Type the IP Address you want to use – we have used 192.168.3.4. Type in the Subnet Mask of 255.255.255.000. The Gateway can remain blank.

Clicking “Set” will enable these setting in the Fusion electronics.

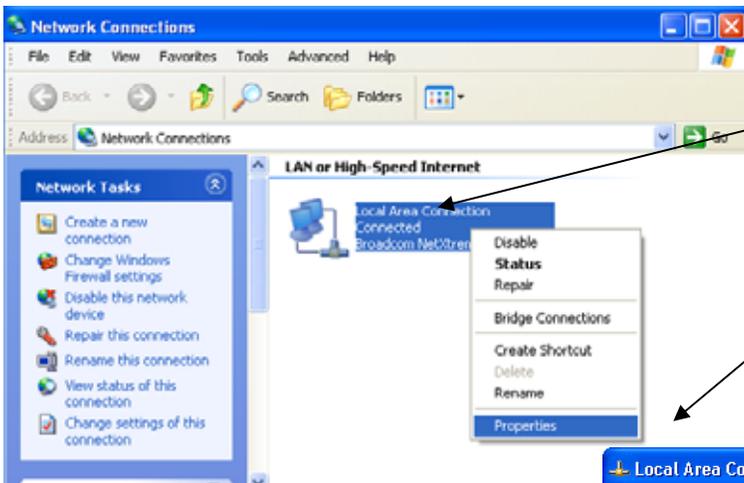


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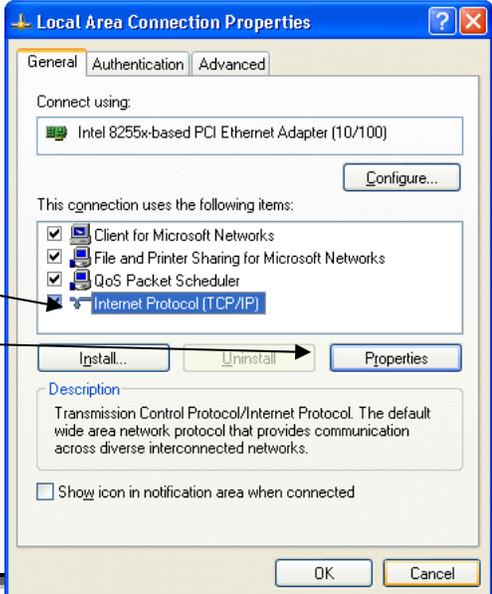
Step 2: Setting up the Computer's TCP/IP Address

Once you have set the IP Address on the laser you will need to set the TCP/IP Address in your computer.

1. From the Start menu at the bottom of your computer monitor screen select ***Start / Control Panel / Network Connections***.
2. There are additional instructions for different Windows versions in the Appendix at the back of this manual if your Windows version is different than the one shown below.



Right mouse click on the Local Area Connections icon, then click on Properties.

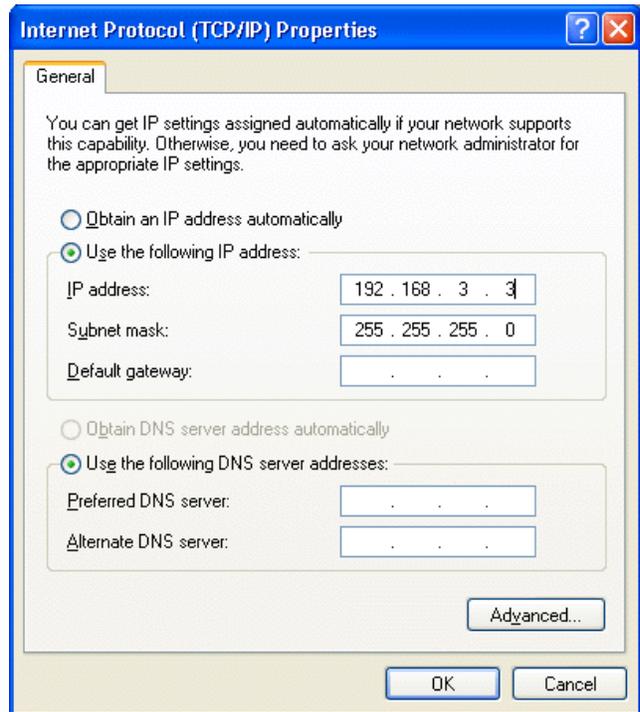


3. Highlight the Internet Protocol (TCP/IP) V4.
4. Then click on Properties.

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5. The window below will appear. Select Use the following IP address radio button.



6. Type in the following (leave everything else blank on this page).

IP Address	192 168 3 <input type="text" value="3"/>
Subnet Mask	255 255 255 0
Default Gateway	Leave blank

This number is not an error --the last digit of the IP address in this window must be different than the IP address set in the Fusion.

7. Click the **OK** button in this window and then click on the **Close** button in the next window.
8. Your computer is now set to print through a crossover cable to the Ethernet port on the laser.

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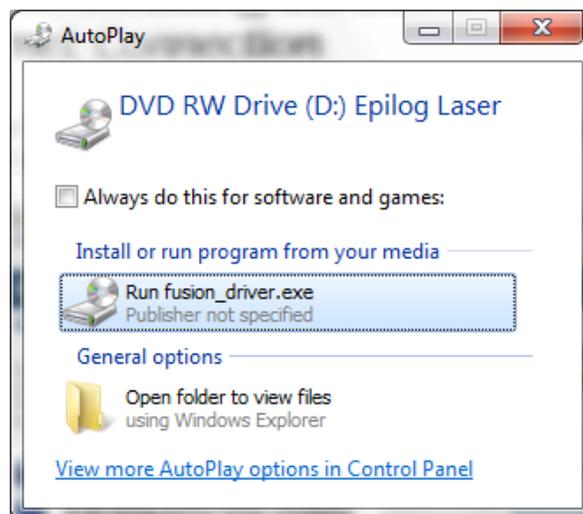
Step 3: Installing the Dashboard Driver for an Ethernet Connection:



Insert the Epilog Laser CD into your computer's disk device. It should Auto-Start and the following window should appear:

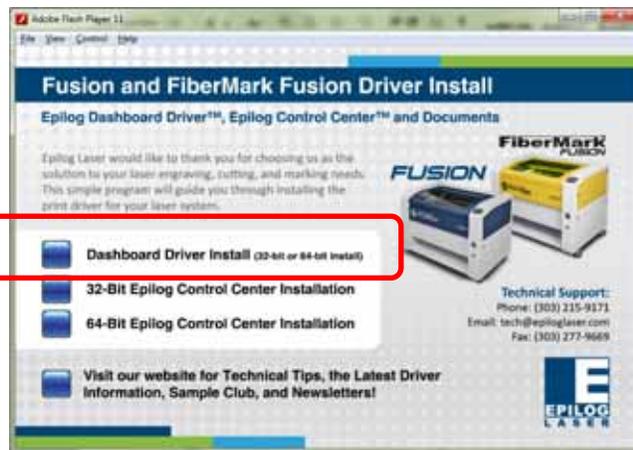


If the following screen appears, click on Run fusion_driver.exe and then the install screen will appear.

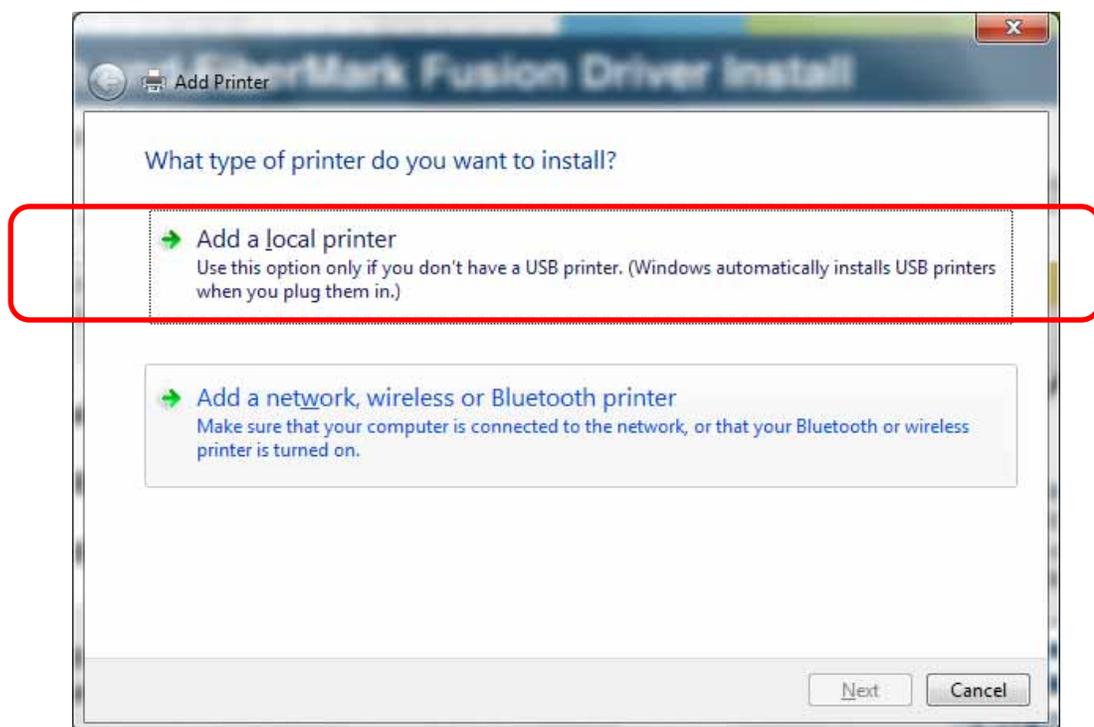


Click on Dashboard Driver Install.

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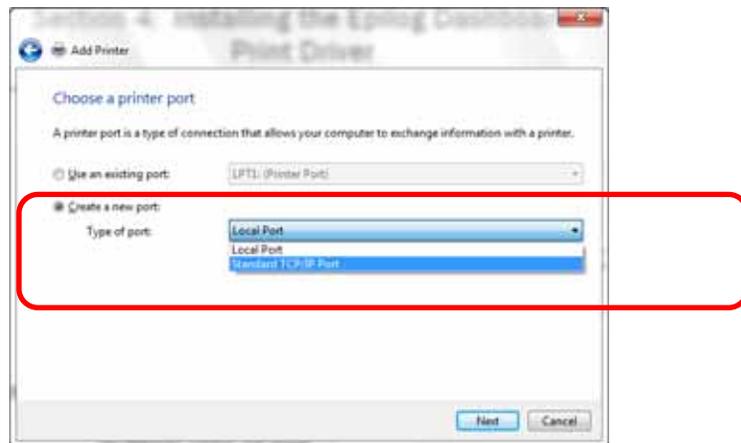


Click on Add Local Printer:

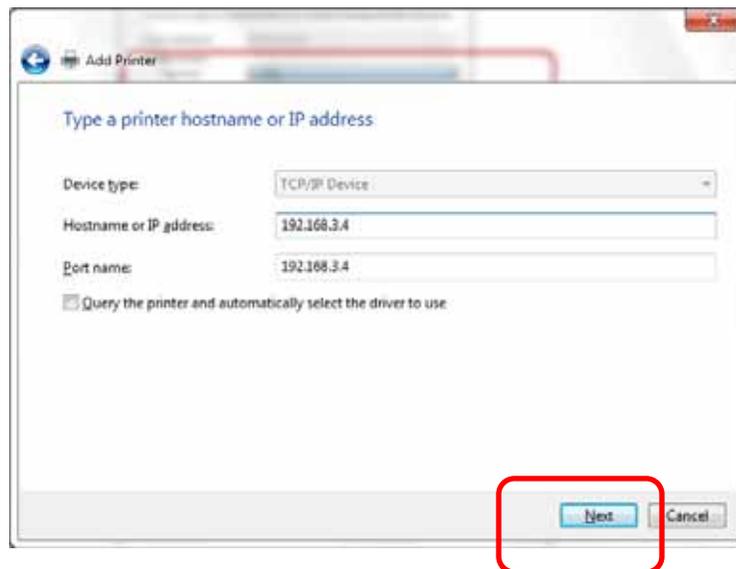


Click on Create New Port and then click on the dropdown menu and select Standard TCP/IP Port

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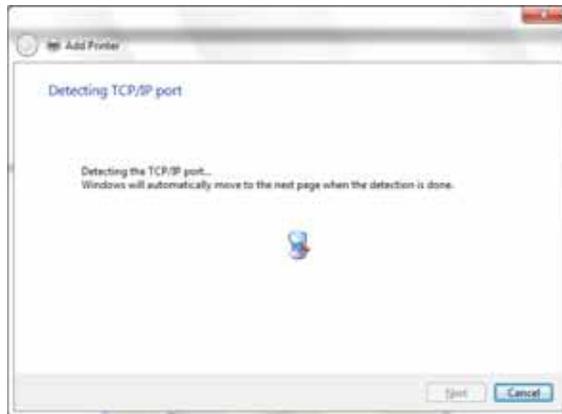
Enter the IP Address you want to use. Most Epilog users will use 192.168.3.4 that is what we use in this document. Whatever number you use, it must be the same number you assigned to the IP Address in the Fusion laser.



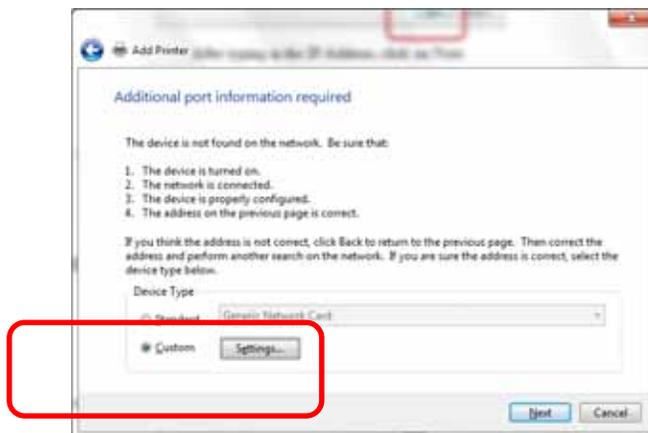
After typing in the IP Address, click on Next.

Wait while the computer identifies the port.

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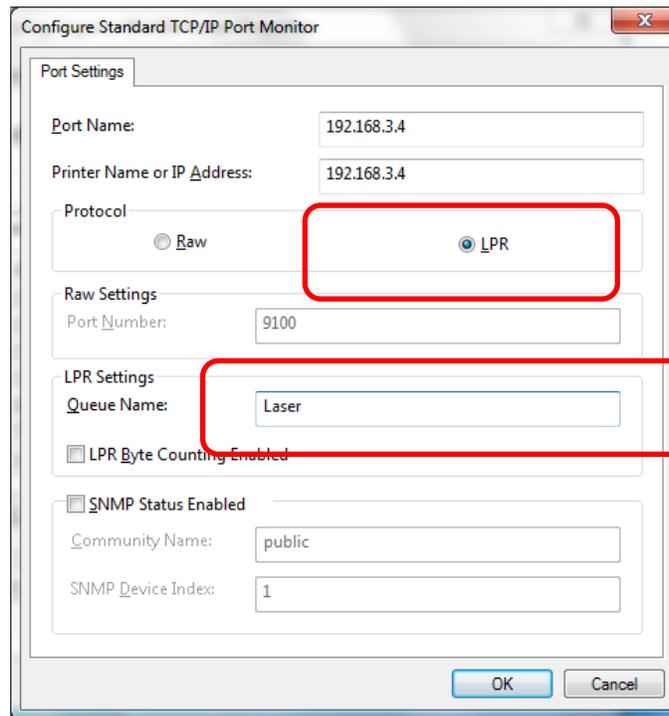


Select Custom and then Settings, then click on Next



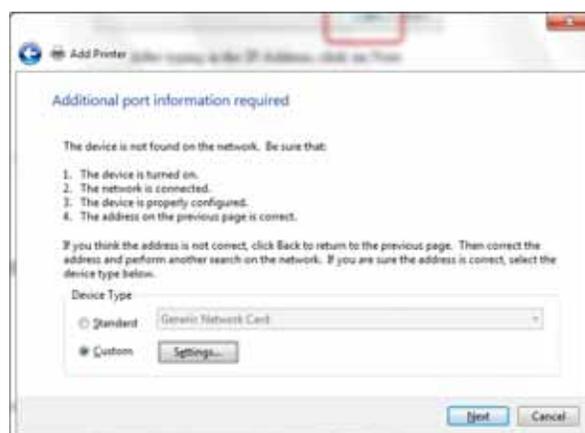
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Select LPR and type in Laser into the Queue Name. Then, Click on **OK**.



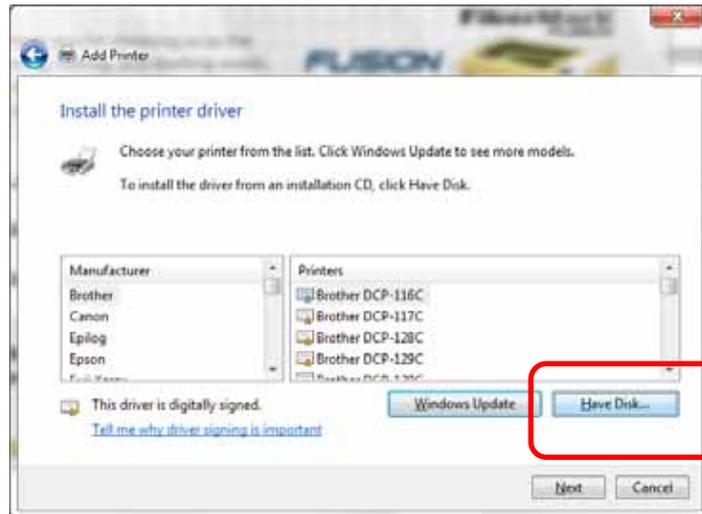
Set Protocol to LPR. This is a very important step. Your download time will be greatly increased if LPR is not selected.

After clicking **OK** above you will return to the window below. Click on **Next**.

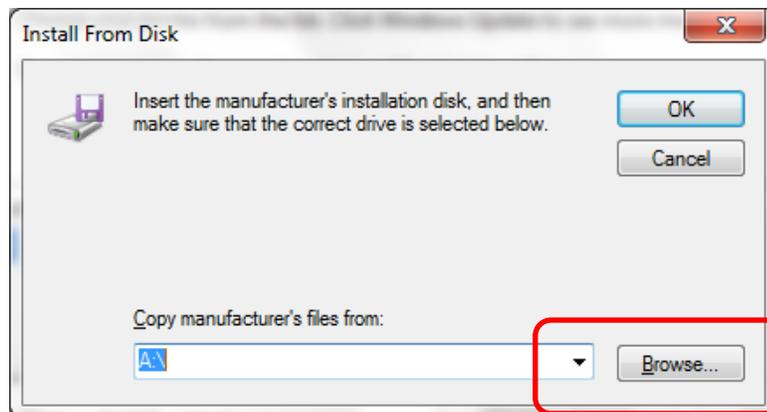


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Click on *Have Disk*

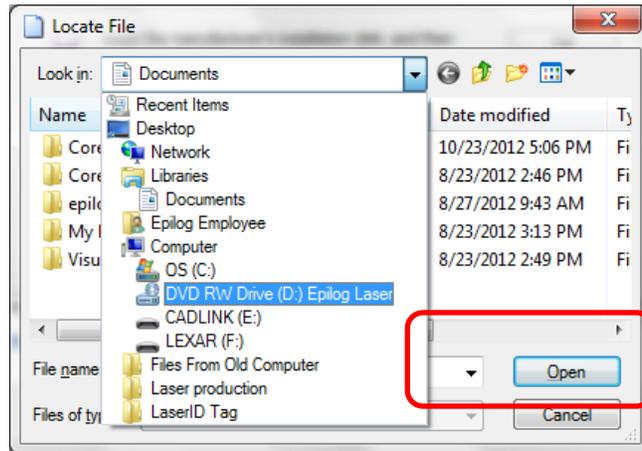


Click on *Browse*

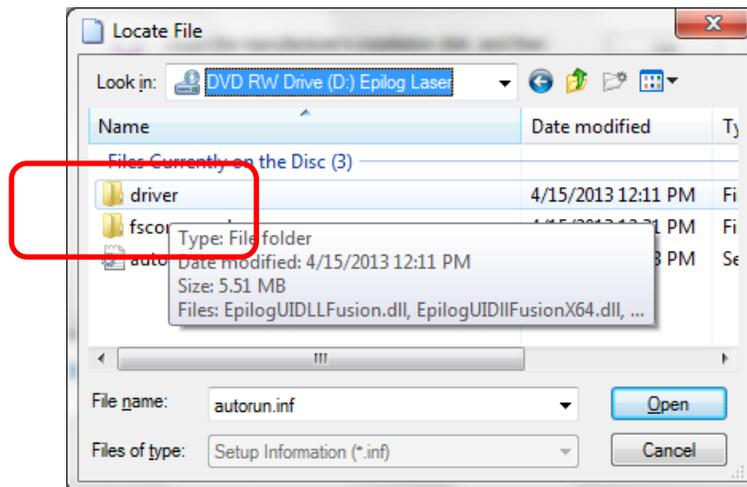


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Find the disk drive with the Epilog install disk and click on *Open*

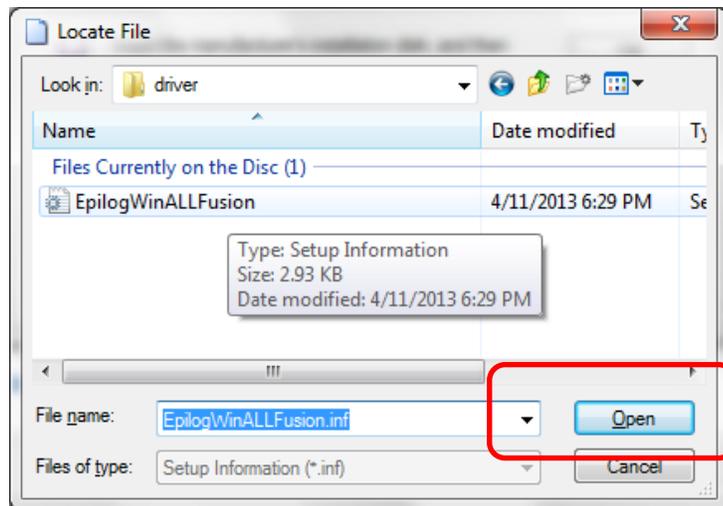


Select the driver folder and then click on *Open*

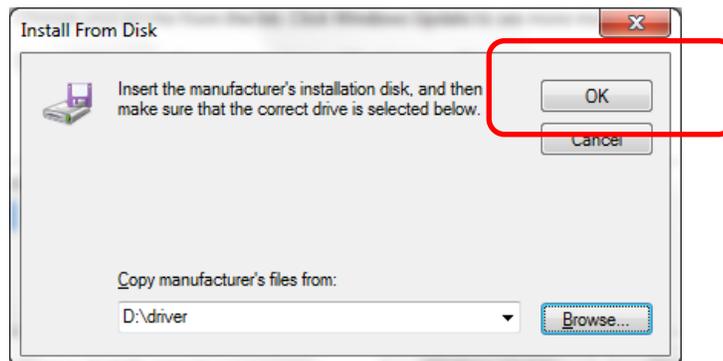


Click on the *EpilogWinALLFusion* file and then click on *Open*

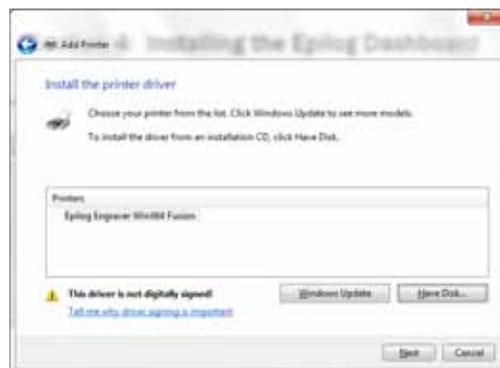
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Click on **OK**

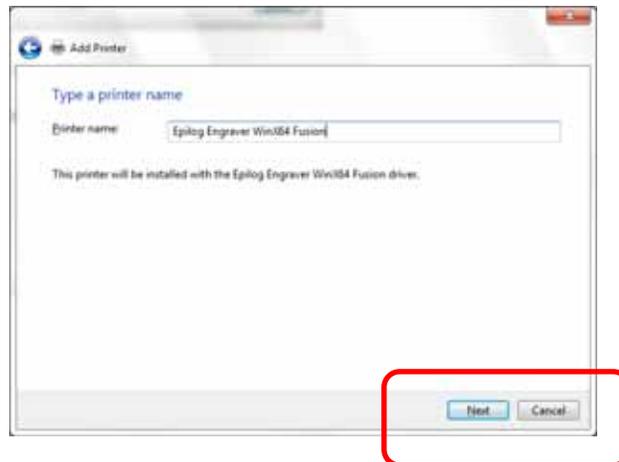


Click on **Next**



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You can rename your printer here. We have not changed it for this document. We have not changed it for this document, but many users like to associate the driver name with the IP Address they are using. Especially if there is more than one laser connected to a single computer. Click on *Next*.



Click on Finish and the driver has been installed! You are ready to print.

