



Posiflex PP7000U/7200U Drivers Install Guide for Windows7 x32

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Introduction

The purpose of this application note is to provide users of PP7000U/7200U (FTDI chips) with a simple procedure for installing FTDI drivers for their devices under Windows 7.

Installing FTDI Device Drivers

To install PP7000U/7200U drivers under Windows 7 for 32-bit base , follow the instructions below:

If a device of the same type has been installed on your machine before and the drivers that are about to be installed are different from those installed already, the original drivers need to be uninstalled. Please refer to the uninstall section for further details of this procedure.

FTDI have provided two types of driver for Windows OS: a D2XX direct driver and a virtual COM port (VCP) driver. These drivers were mutually exclusive and could not be installed at the same time.

Installing D2XXX Device Drivers

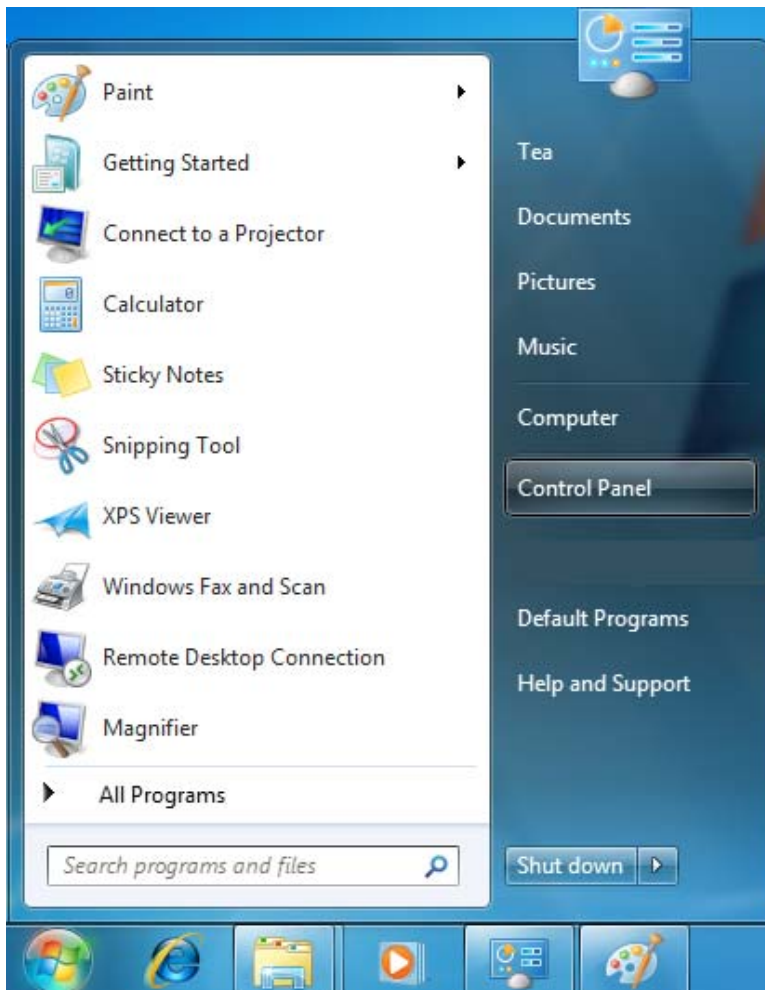
To install D2XXX drivers for an FTDI device under Windows 7, follow the instructions below:

If there is an available Internet connection, Windows 7 will silently connect to the Windows website and install any suitable driver it finds for the device.

If the automatic installation takes place there is no need to continue with the procedure

If no suitable driver is automatically found then the following procedure should be followed.

Press the Windows start button to bring up the start menu and select "Control Panel".



From the Control Panel window select System and Security



At the next screen select Device Manager:

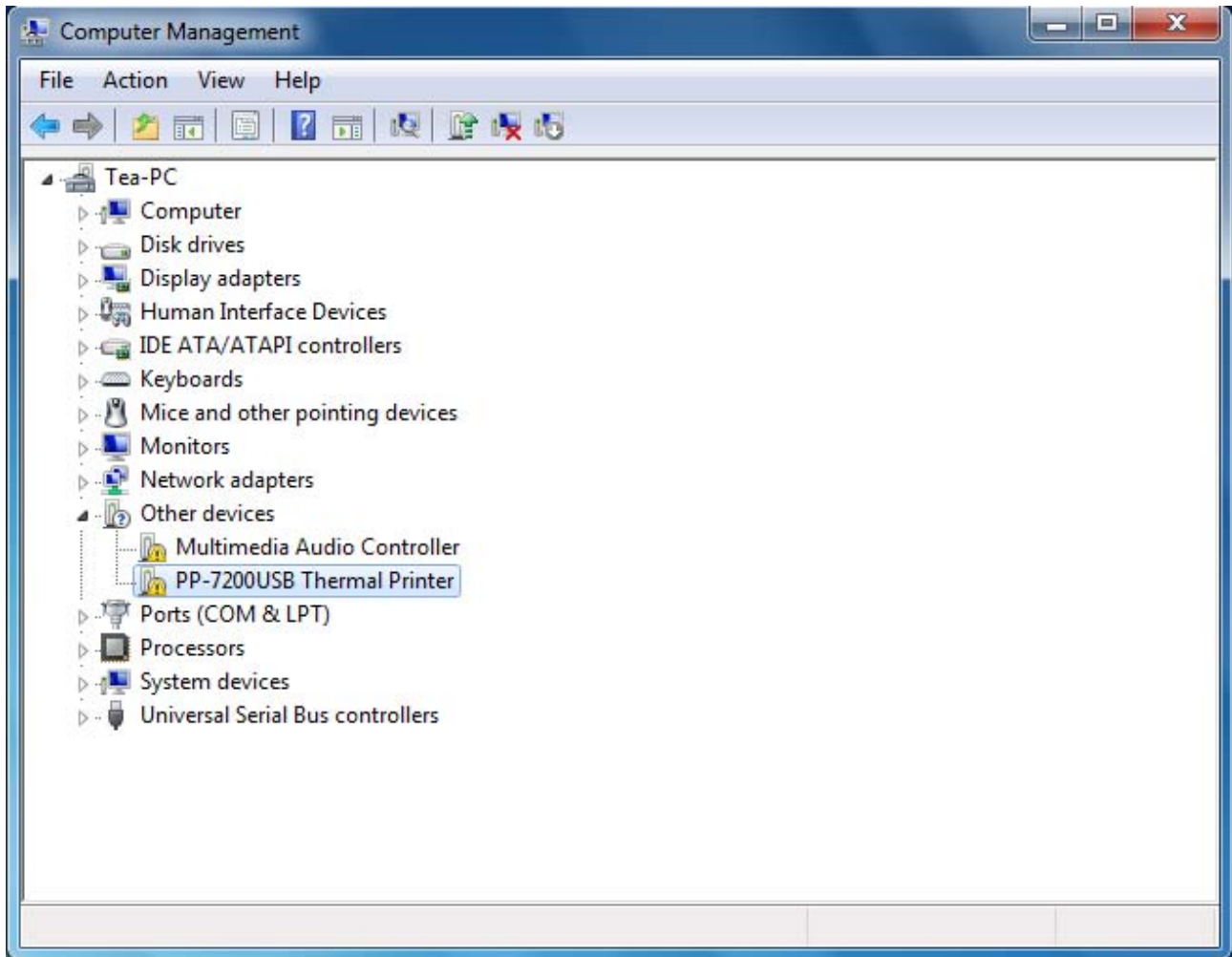


In the Device Manager window there will be a device under Other Devices with a yellow warning symbol to indicate a problem ie no driver installed.

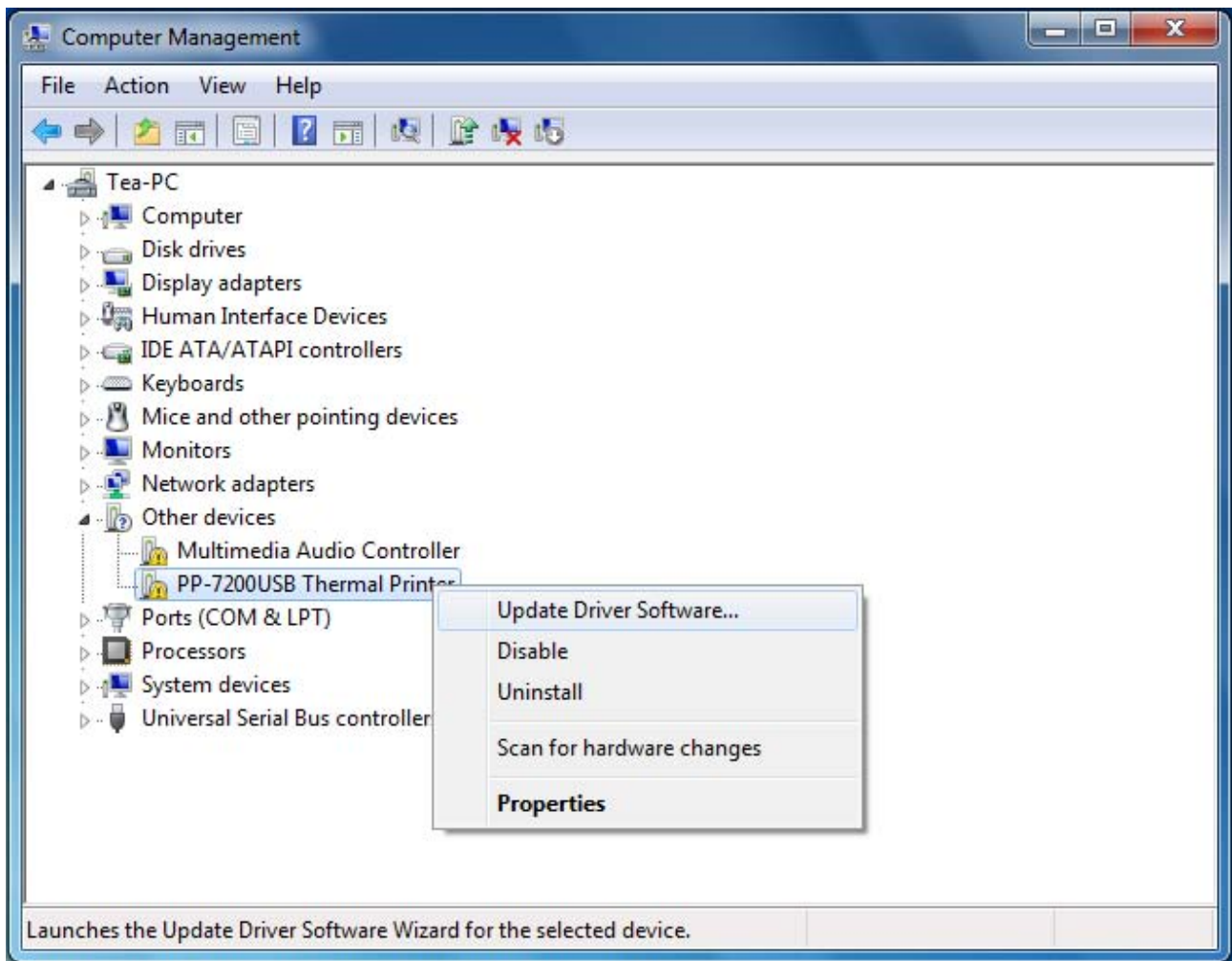
Right click on the other device (PP7200USB Thermal Printer) to bring up a menu as shown below.

From the displayed menu select "Update Driver Software..."

This then displays the option for an automatic search or a manual search.

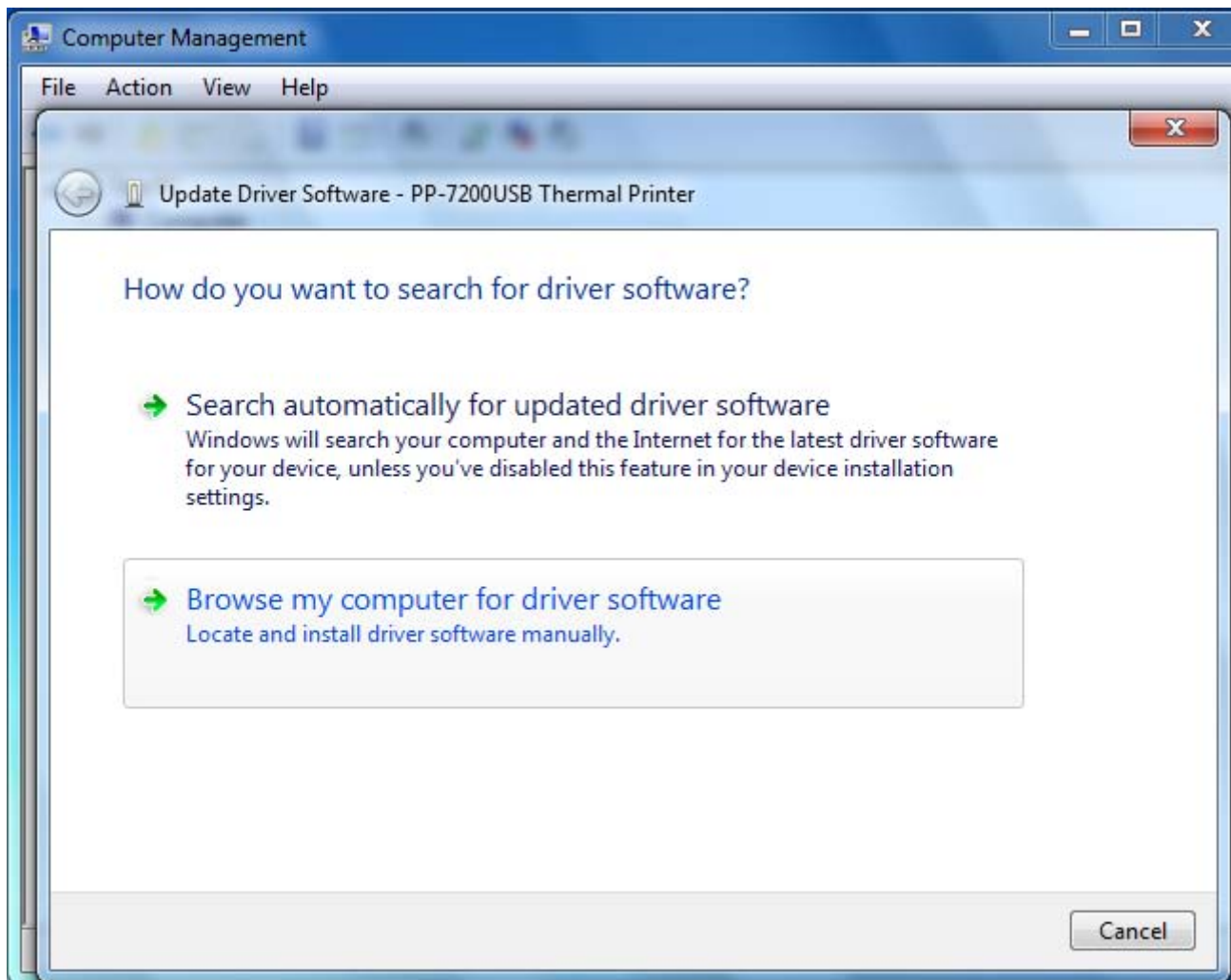


Right click on the other device (PP7200USB Thermal Printer) to bring up a menu as shown below.



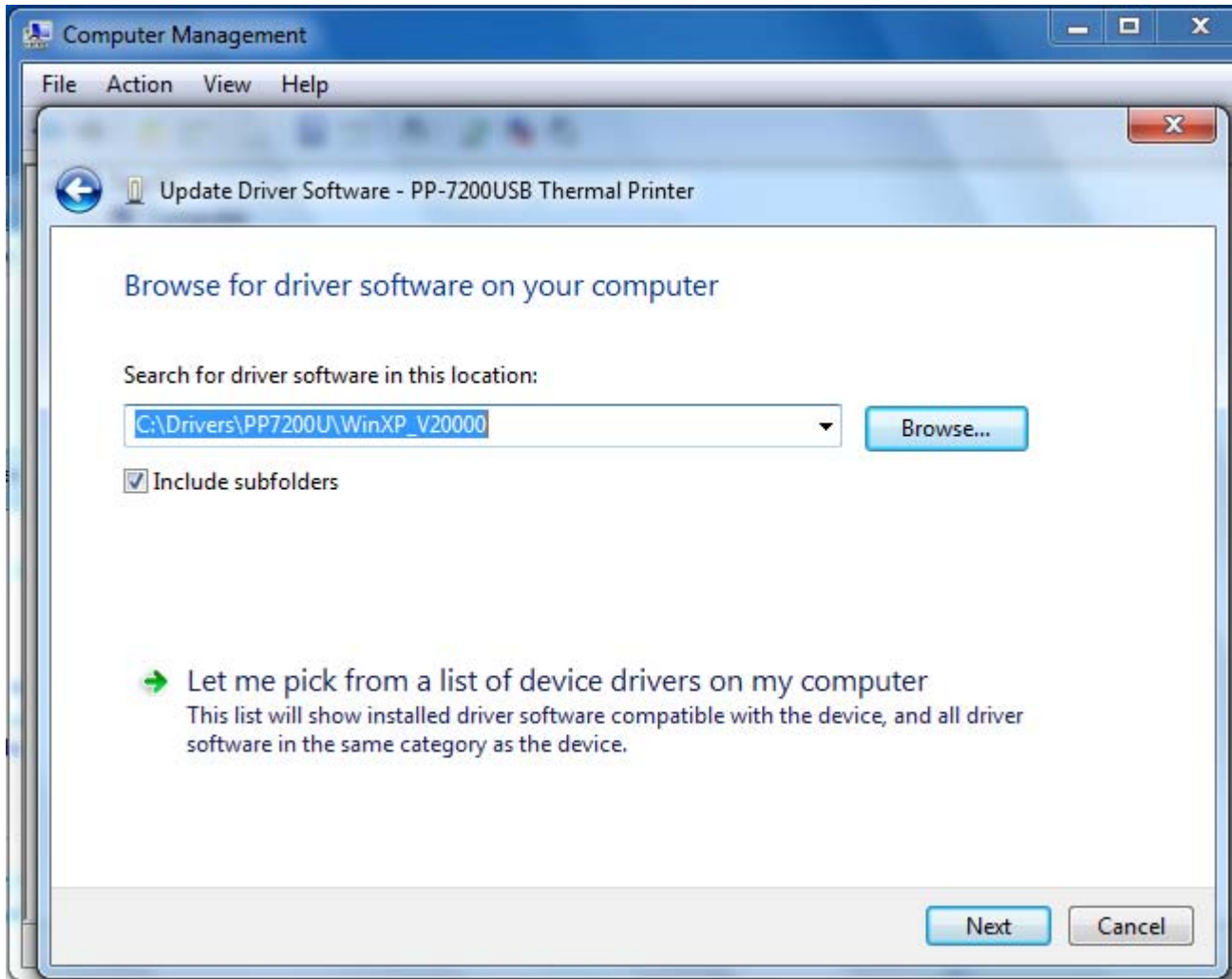
From the displayed menu select "Update Driver Software..."

- This then displays the option for an automatic search or a manual search.



Select the second option to browse manually.

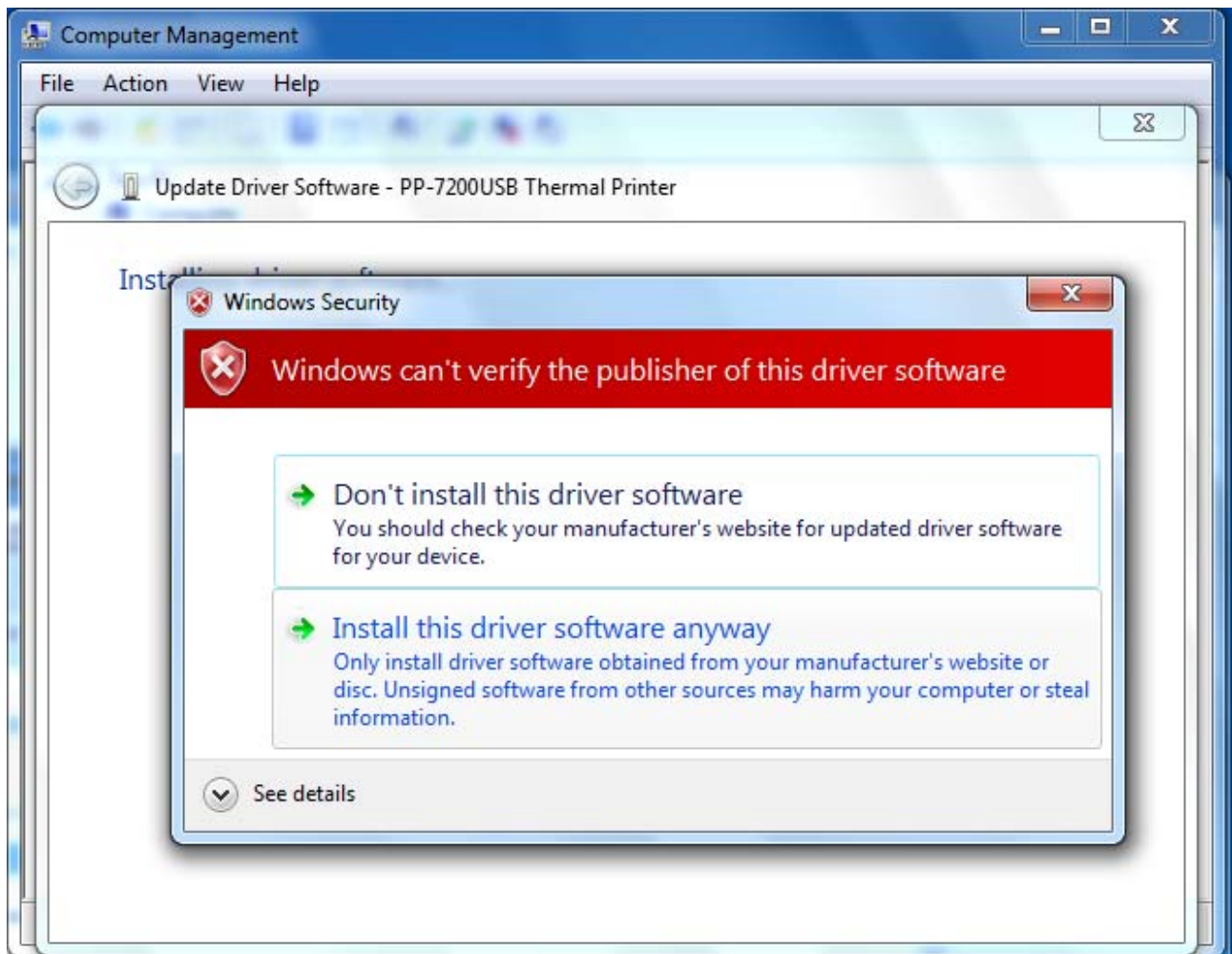
- In the address box put the exact location where the drivers have been in a folder on the PC. It is not necessarily the exact same location as drivers could have been saved anywhere of the users choosing.



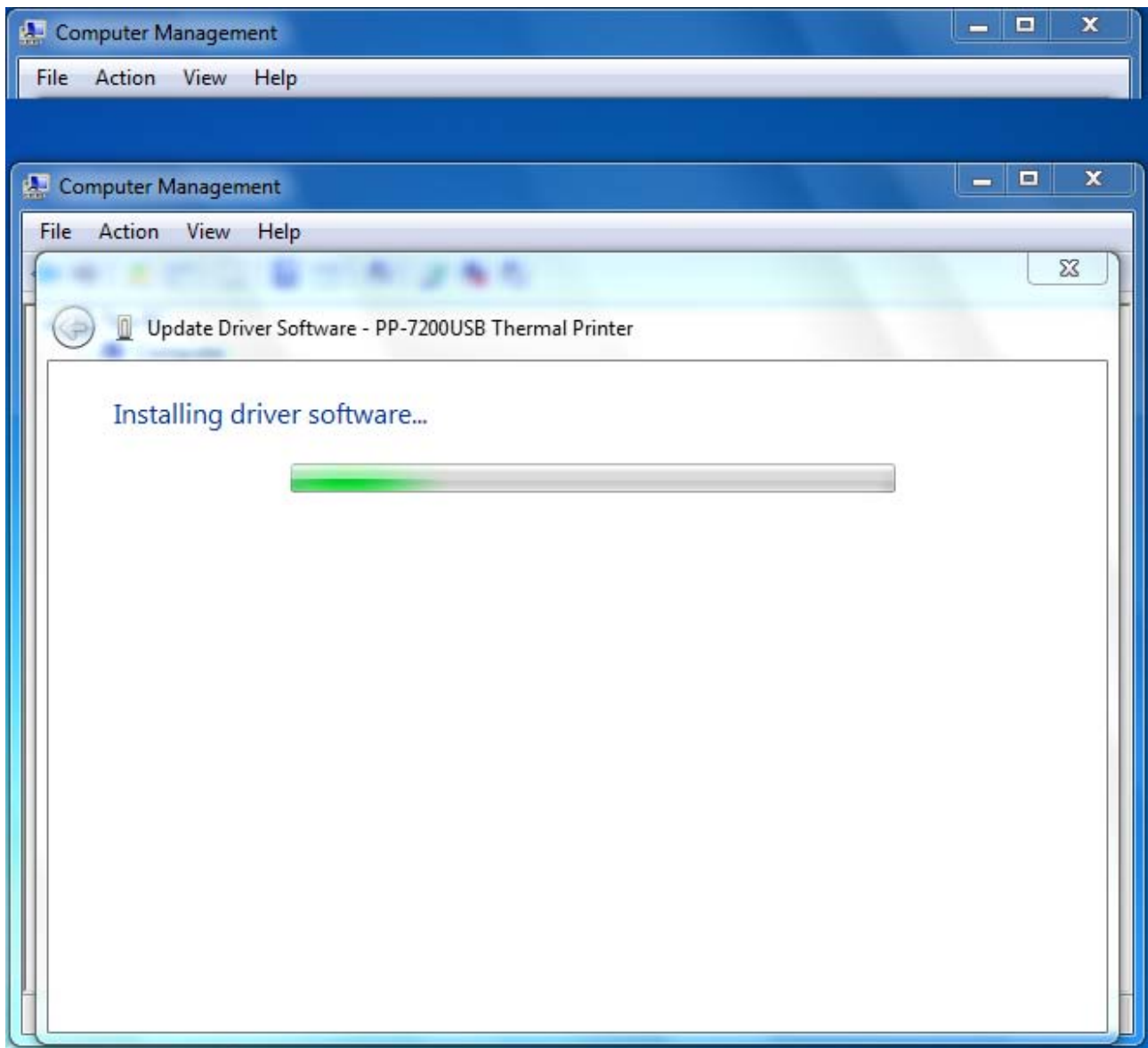
After entering the address select "NEXT" to start the installation.

- If Windows7 is configured to warn when unsigned (non-WHQL certified) drivers are about to be installed, the following screen will be displayed unless installing a Microsoft WHQL certified driver.

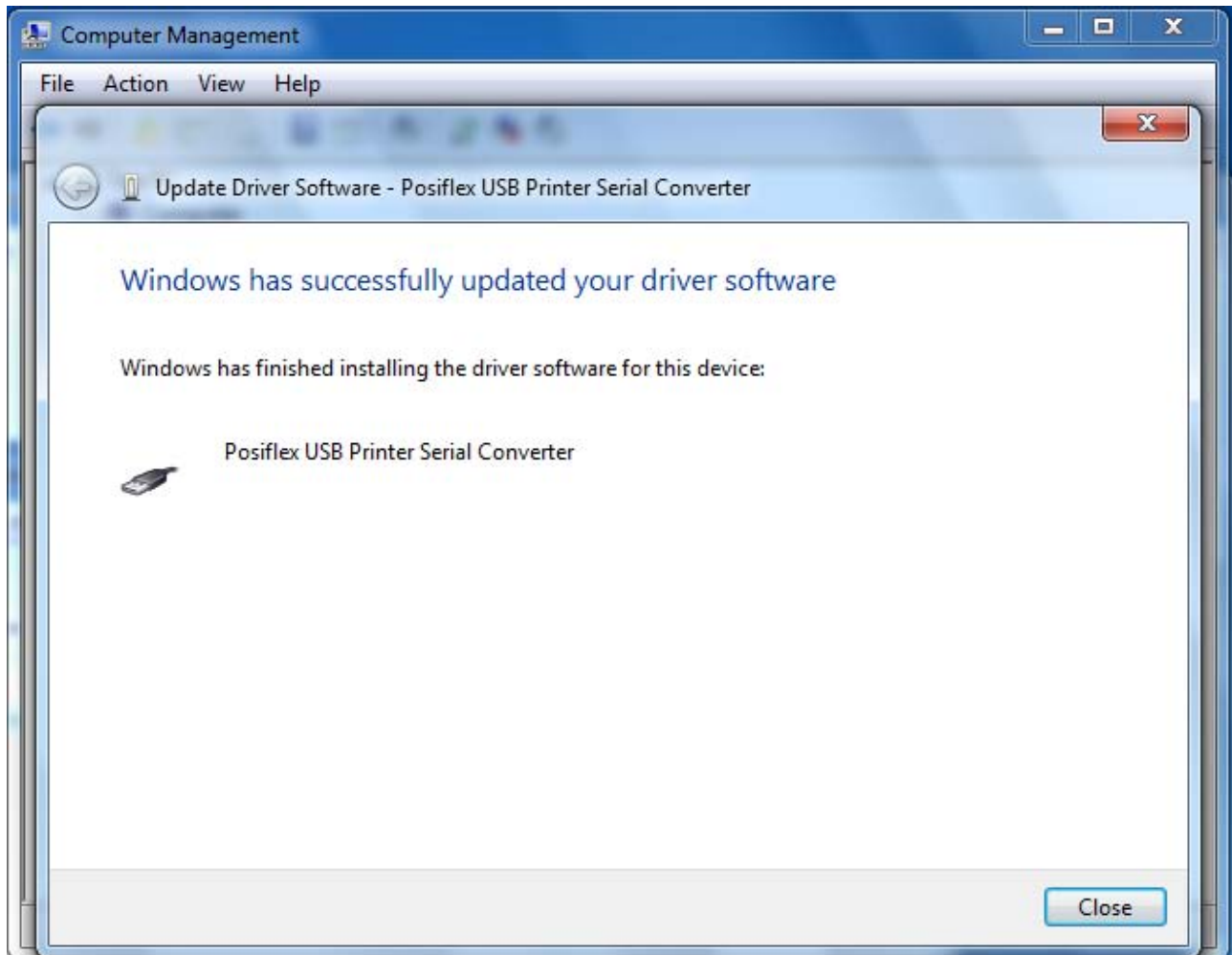
Click on "Install this driver software anyway" to continue with the installation



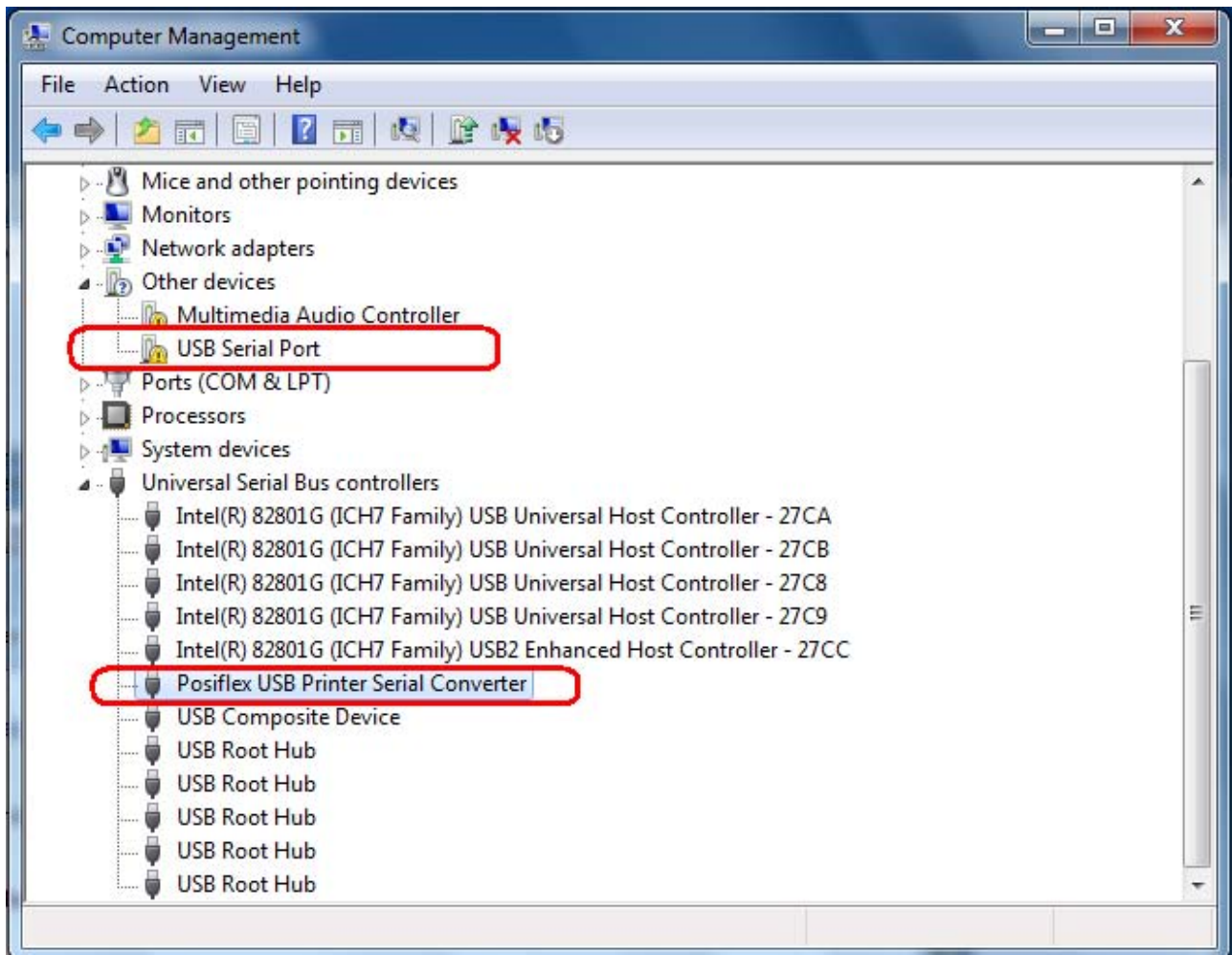
- When the installation has finished a completion screen is displayed.



- Windows should then display a message indicating that the installation was successful. Click "Close" to complete the installation for the first port of the device.

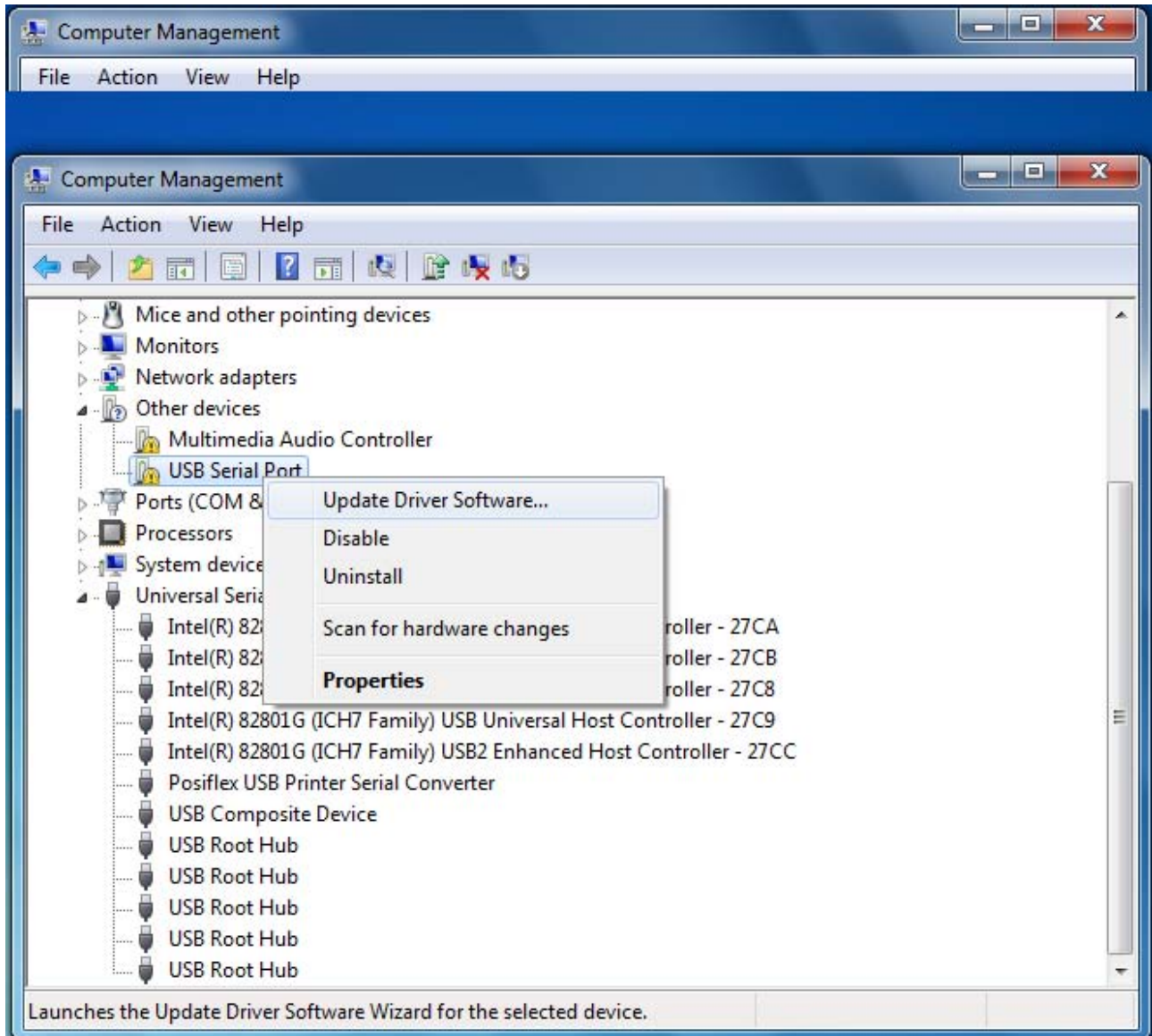


- The Device Manager will still show a device under Other Devices but in addition to this there is a new entry under Universal Serial Bus Controllers indicated in the screenshot above as the USB Serial Converter. This indicates the bus layer of the driver is installed. Installing the Virtual Com Port layer of the driver is almost a repeat of the last few steps.



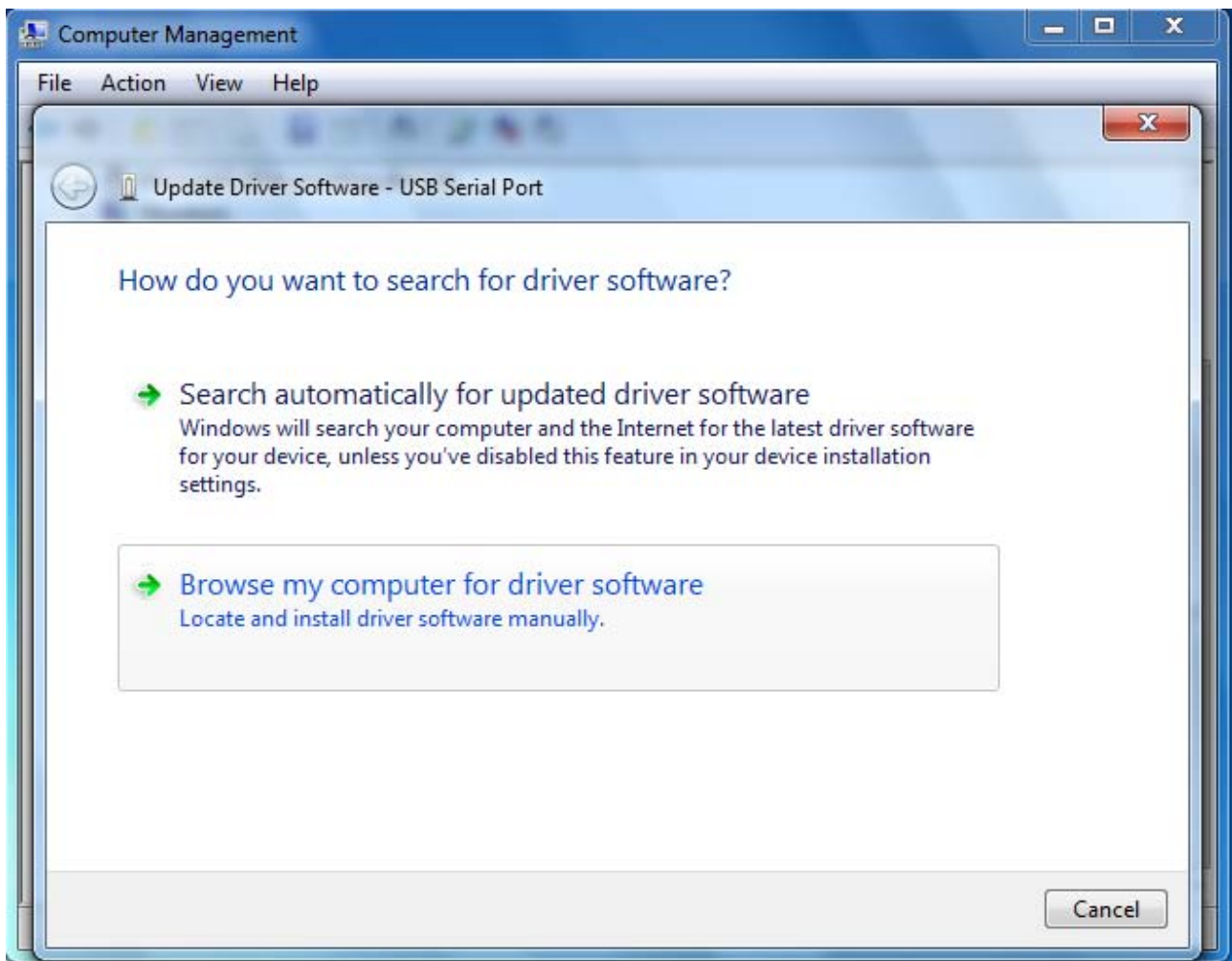
Installing VCP Device Drivers

- Right click on the other device (PP7200USB Thermal Printer) to bring up a menu as shown below.



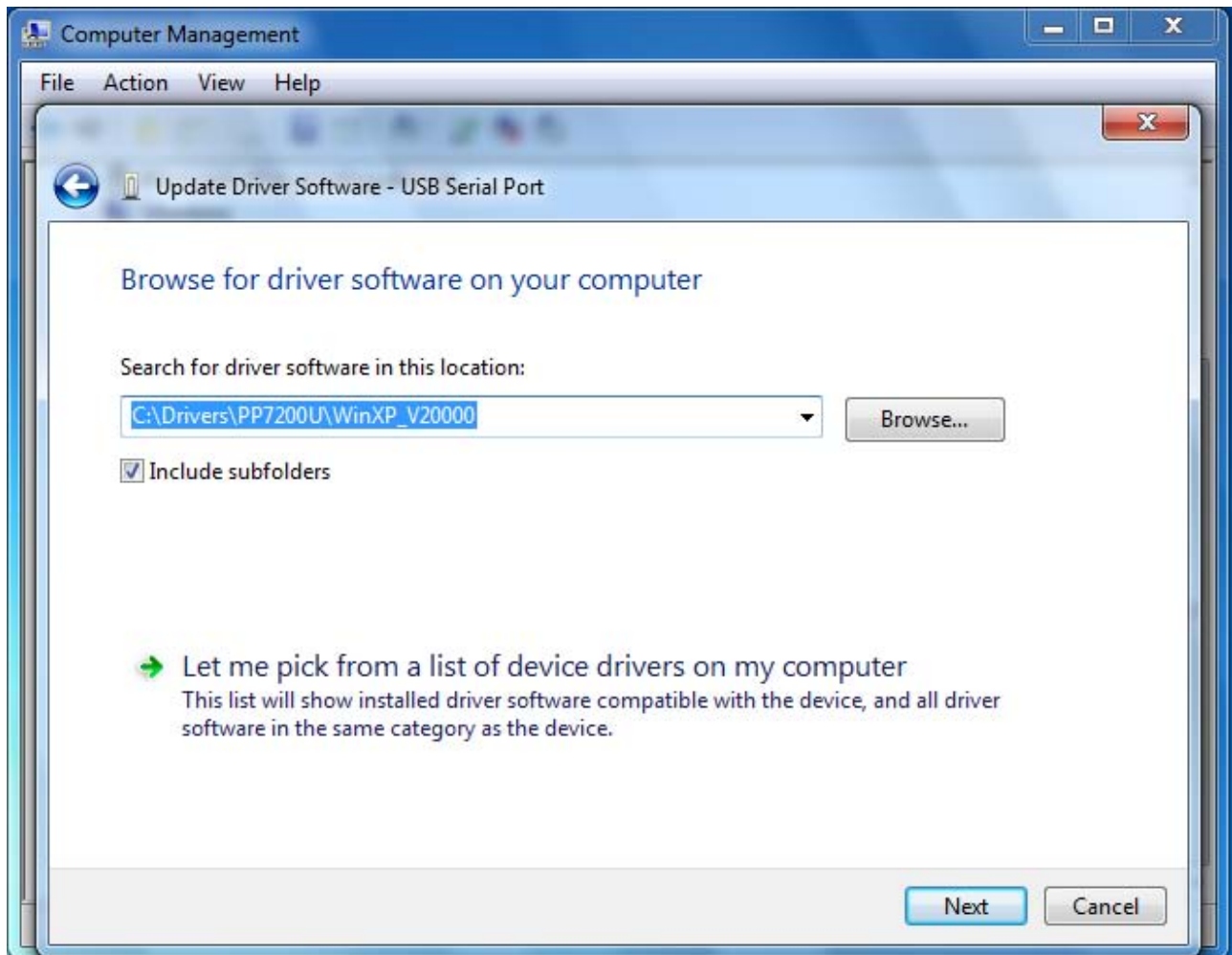
From the displayed menu select "Update Driver Software..."

This then displays the option for an automatic search or a manual search.



Select the second option to browse manually.

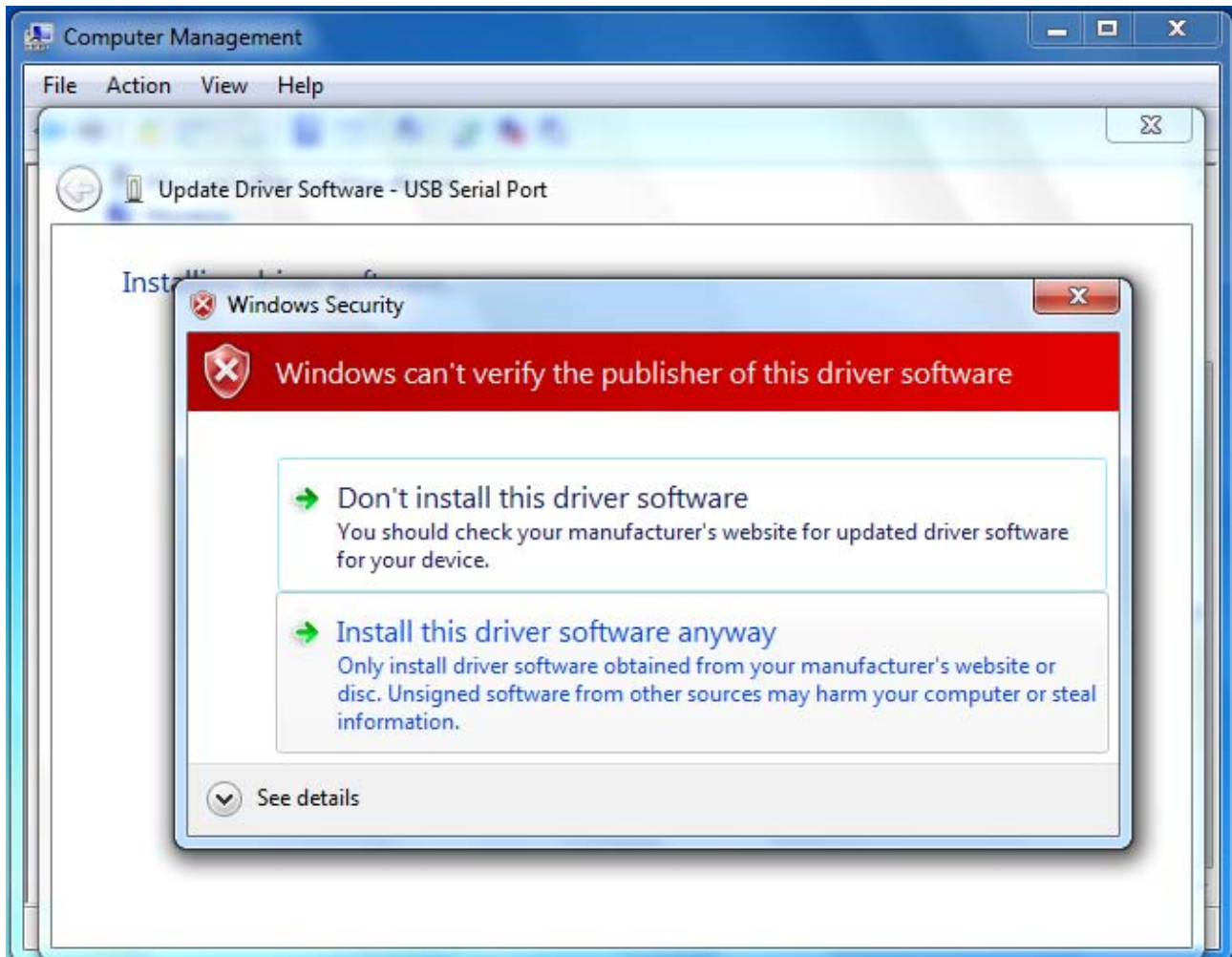
- In the address box put the exact location where the drivers have been in a folder on the PC. It is not necessarily the exact same location as drivers could have been saved anywhere of the users choosing.



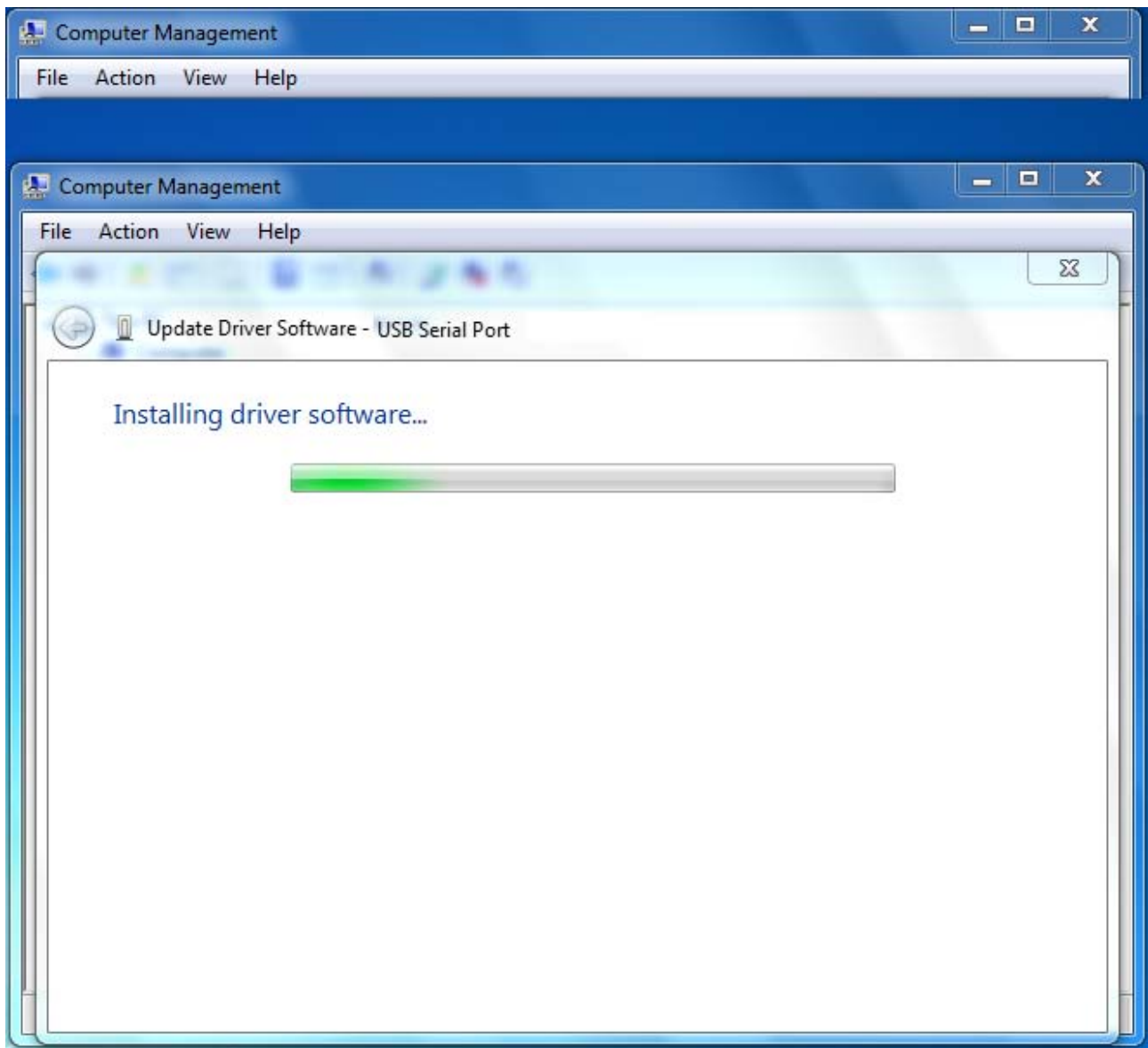
After entering the address select "NEXT" to start the installation.

- If Windows7 is configured to warn when unsigned (non-WHQL certified) drivers are about to be installed, the following screen will be displayed unless installing a Microsoft WHQL certified driver.

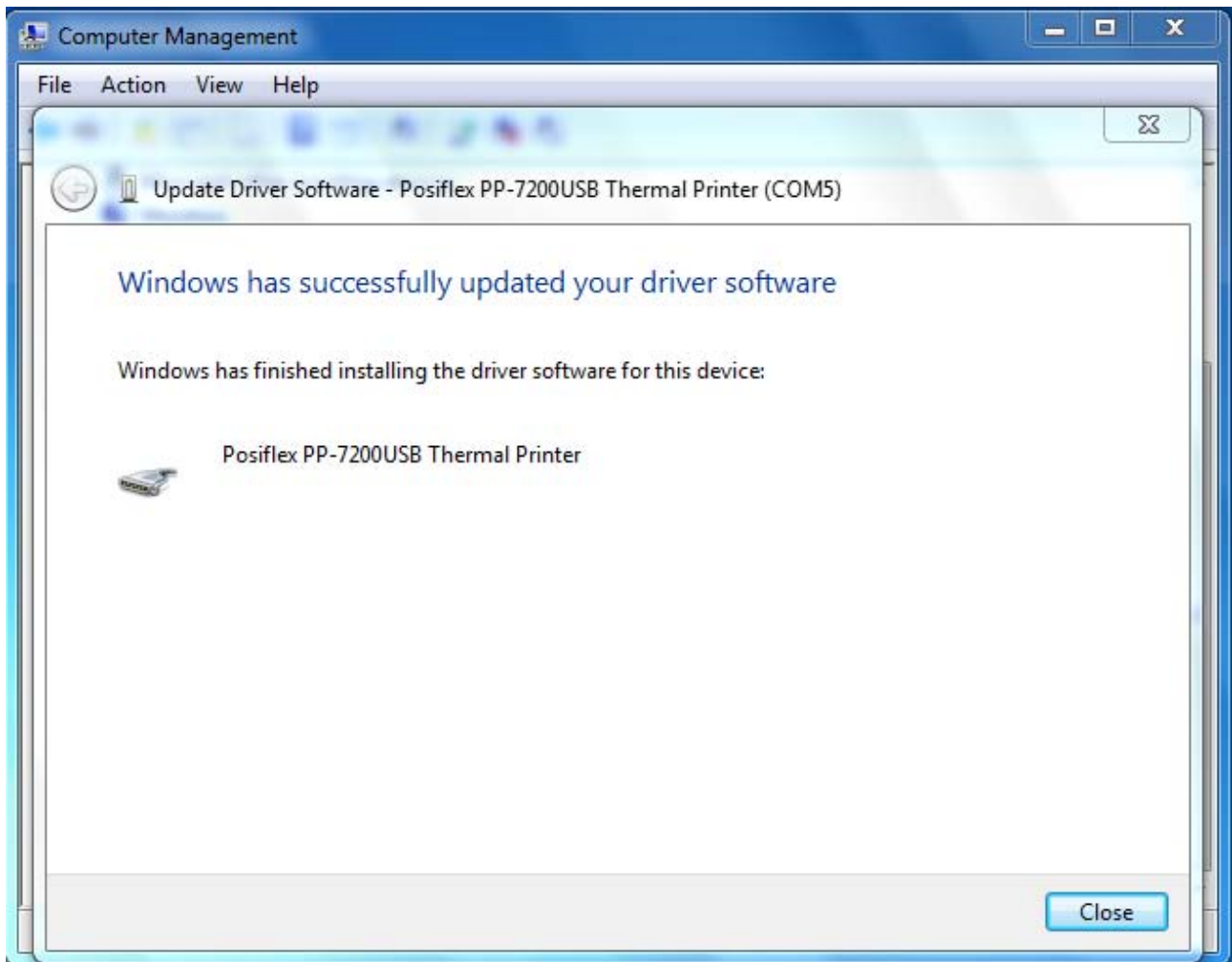
Click on "Install this driver software anyway" to continue with the installation



- When the installation has finished a completion screen is displayed.



Windows should then display a message indicating that the installation was successful. Click "Close" to complete the installation for the first port of the device.

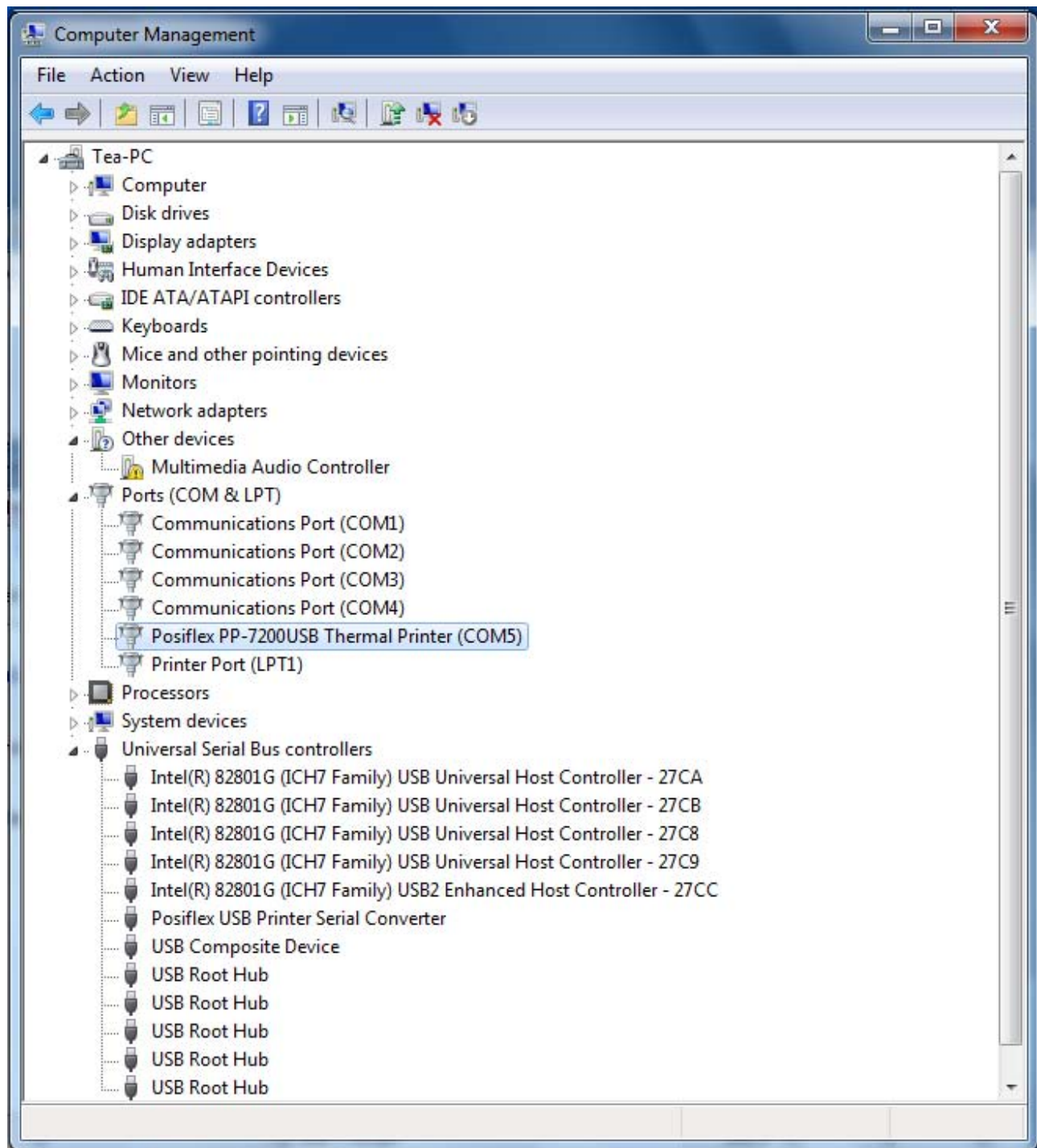


Note this screen also displays the COM port assigned to the device.

Press Close to close this window and go back to the Device Manager Window.

This time the Device Manager does not have a “PP7200USB Thermal Printer” entry under Other Devices but does show entries under Universal Serial Bus Controllers and Ports (COM & LPT). The above screen shot displays a correct installation. The device is now ready to use on COM5.

NOTE: Not all devices will install to COM5. The COM port allocation is determined by the installation wizard on the basis of the next free com port as designated in the PC registry.

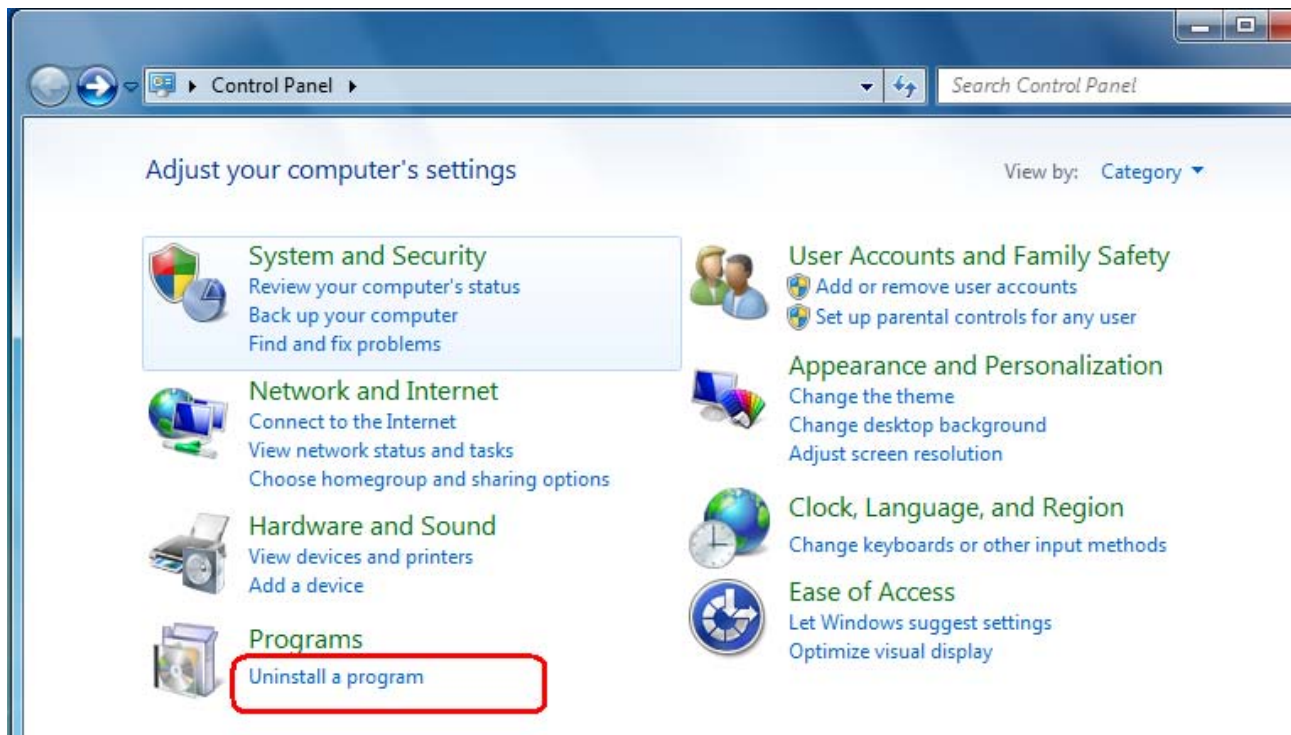


Uninstalling Drivers –Method1

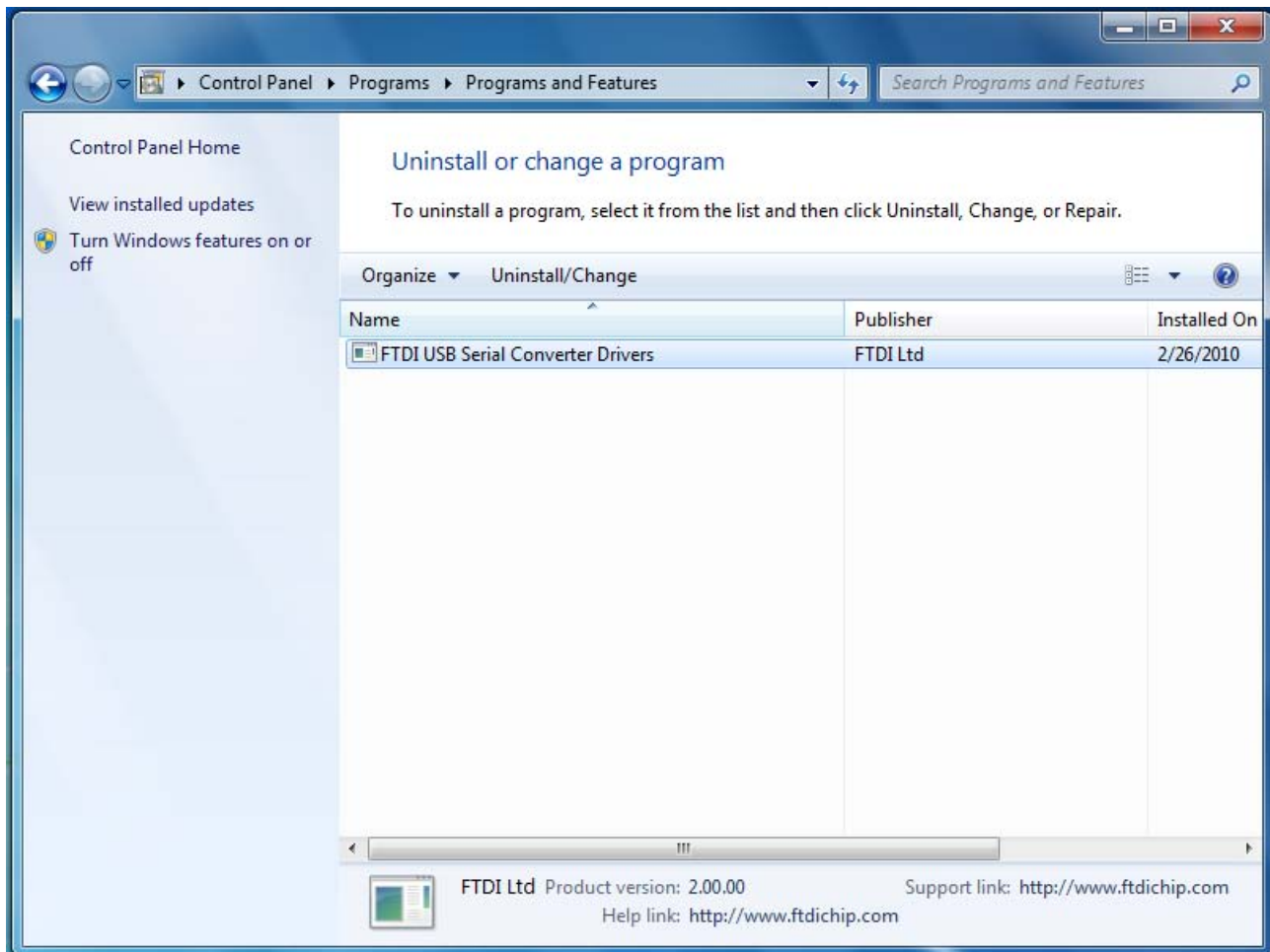
To uninstall PP7000U/7200U drivers, follow the instructions below:

Disconnect any PP7000U/7200U devices that are attached to the PC.

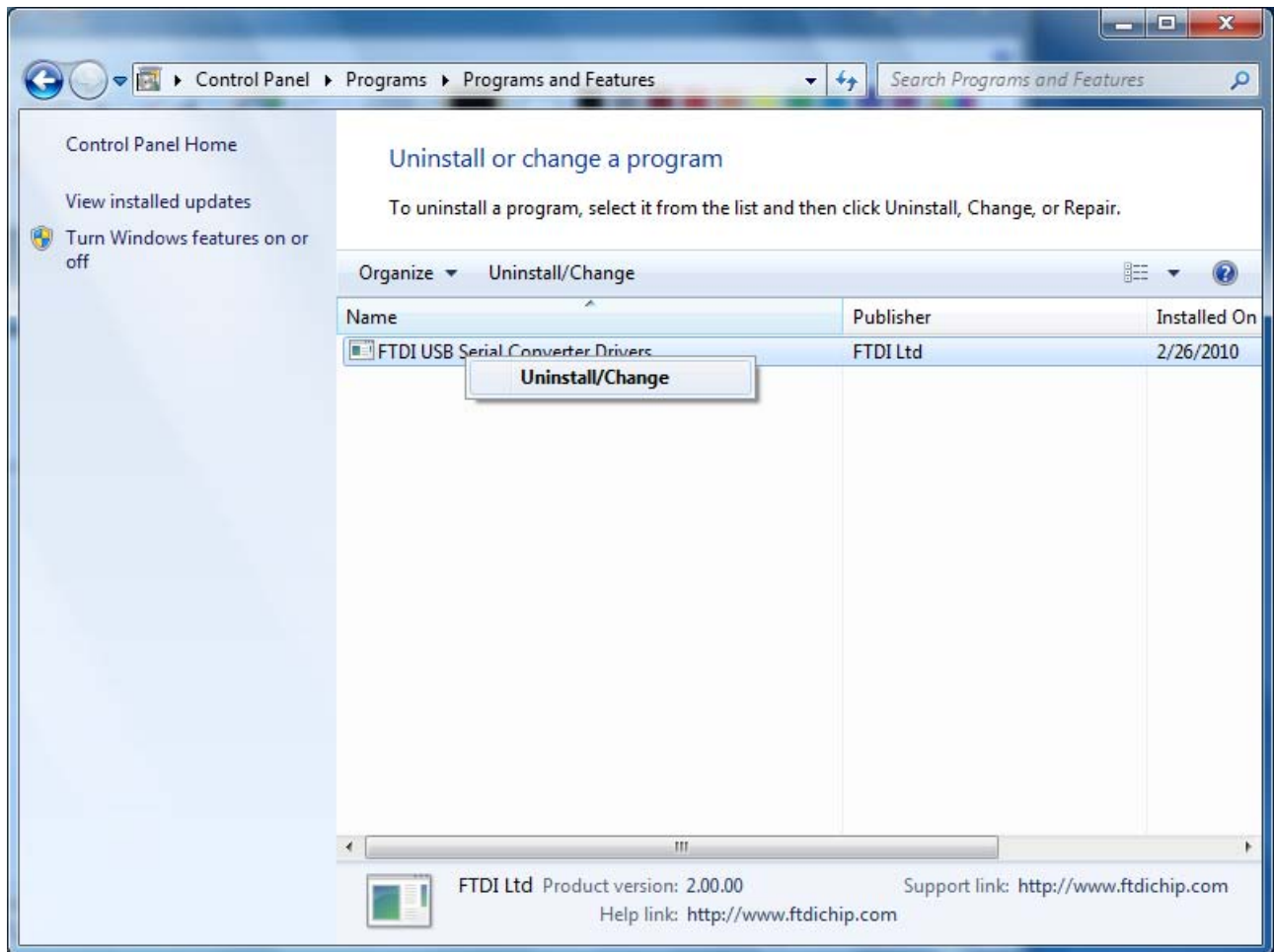
Open the "Uninstall a programs" utility located in "Control Panel" -> "Uninstall a program".



Select "FTDI USB Serial Converter Drivers" from the list of installed programs.



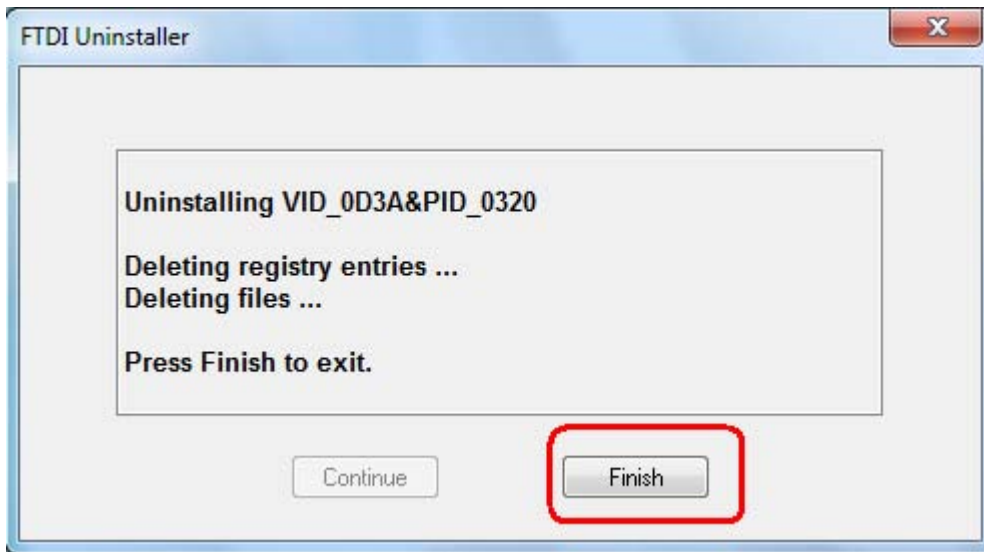
Click the "Uninstall/Change" button.



This will run the FTDI uninstaller program. Click "Continue" to run the uninstaller or "Cancel" to exit.



When the uninstaller has finished removing the device from the system, the caption on the "Cancel" button will change to "Finish". Click "Finish" to complete the process.



Uninstalling Drivers –Method2

With the release of Microsoft Windows 7, the FTDI uninstaller has been rendered unusable due to Windows Resource Protection preventing the executable from deleting driver files and associated registry values.

Windows 7 will only allow the system itself to modify files and registry values in these locations.

Devices can be removed using the Device Manager by simply right-clicking on the mouse and selecting "Uninstall". This will delete the associated registry entries for that device only. Windows 7 provides an automatic method to delete driver files via a check box to "Delete the driver software for this device" on the uninstall dialog box.

