

Knowledge Base Document

Technical Support Department, U79, Newtown

Title: USB to EIA485 (RJ45) communications lead installation**Document Category:** Application related**Product Category:** Communication**Credits** Future Technology Devices International (FTDI)

Revision History

Revision	Date	Revising Author	Released for Website ?	Mark X	Authorised By	Comments
1.0	15/08/2006	Keith Morrison	CTSupport CTVip Both None			

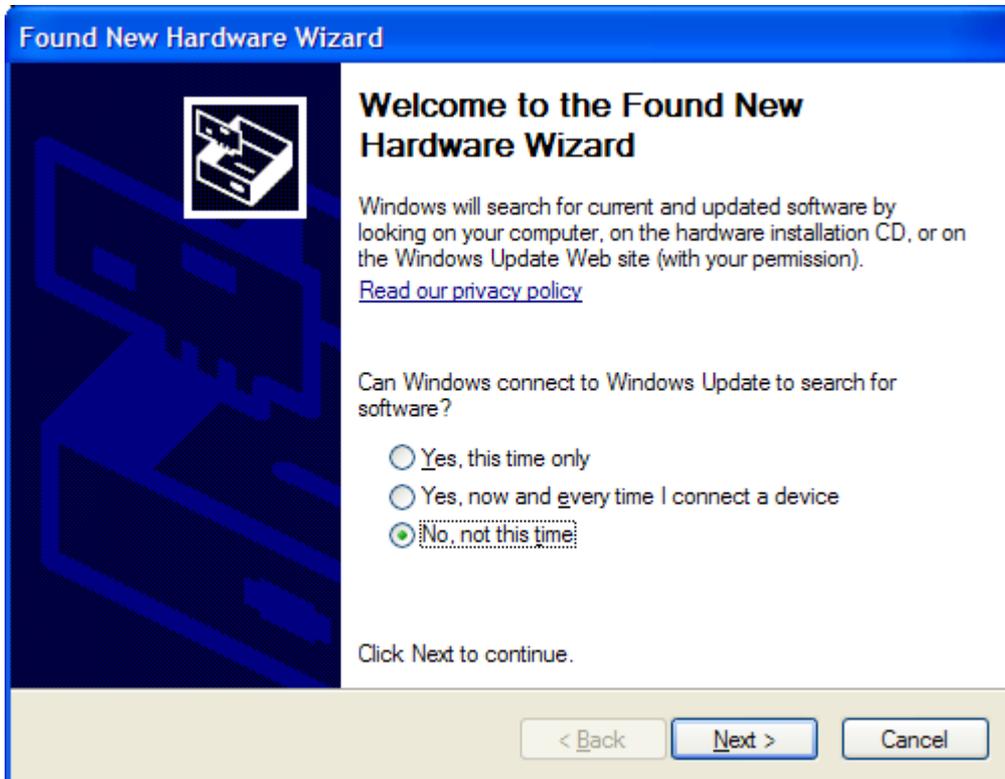
Summary of Contents

This document details the procedure to install the necessary software drivers for the USB to EIA485 communications converter lead supplied by KK-Systems on a Microsoft Windows 2000 or XP computer system.

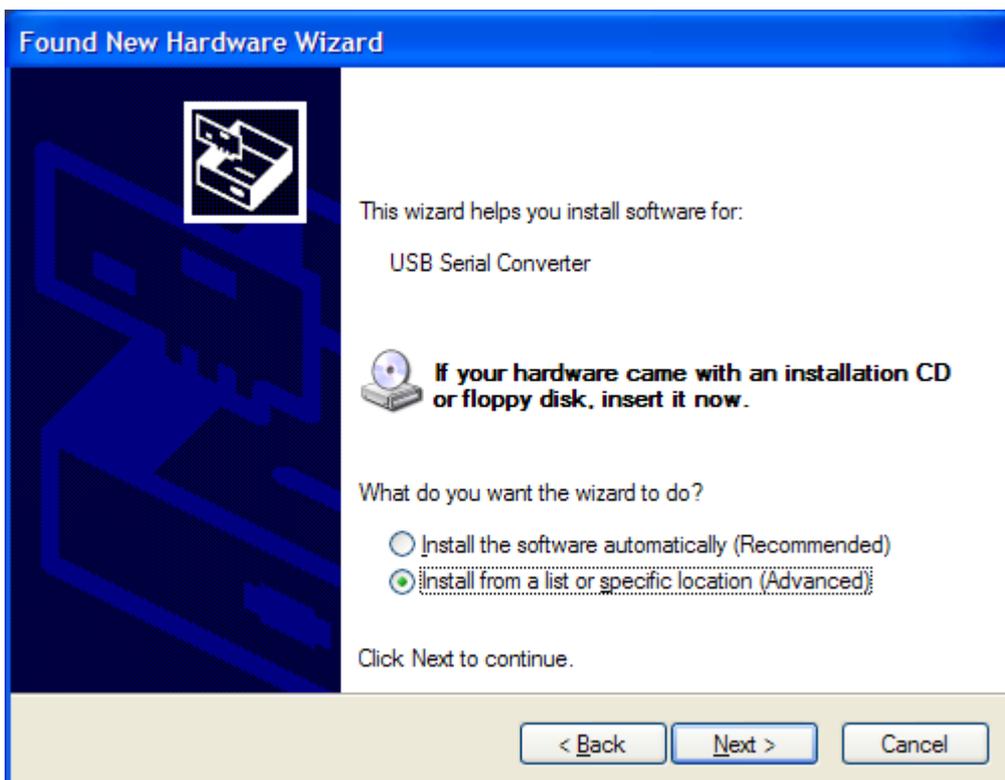
1. Installing the software drivers

To install the software drivers, follow the procedure below....

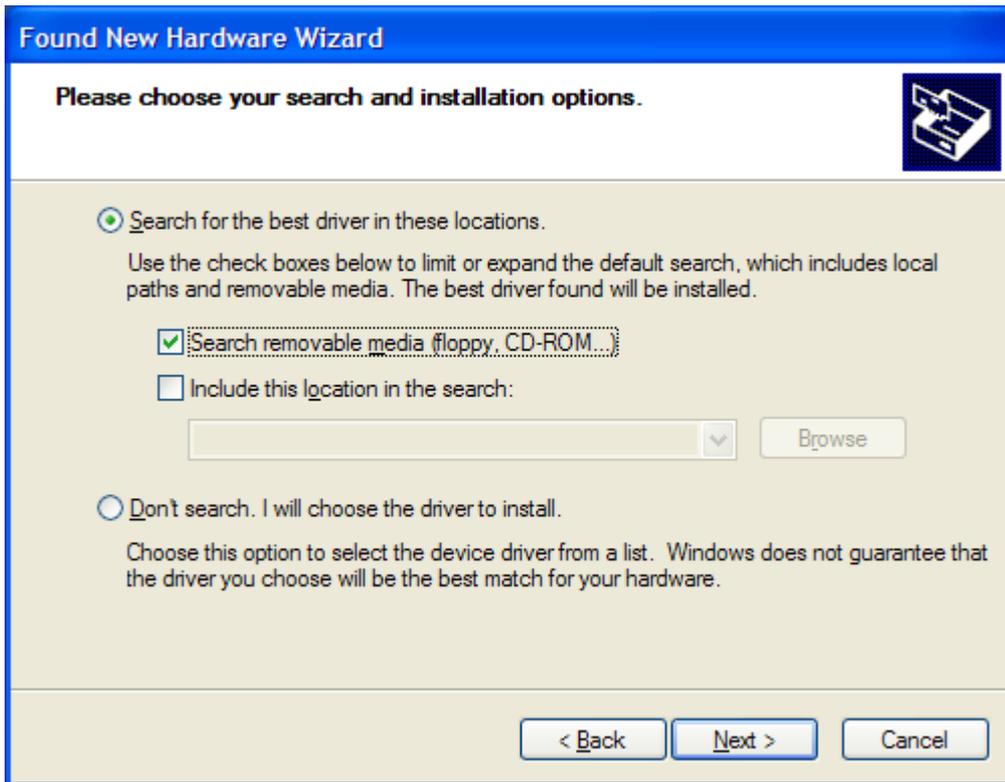
- 1.1 Insert the CD entitled "USB-485 Interface Converter" into the CD drive of the PC.
- 1.2 Connect the converter lead to a spare USB port on the PC. (Windows should detect the converter and launch the "Found New Hardware Wizard").



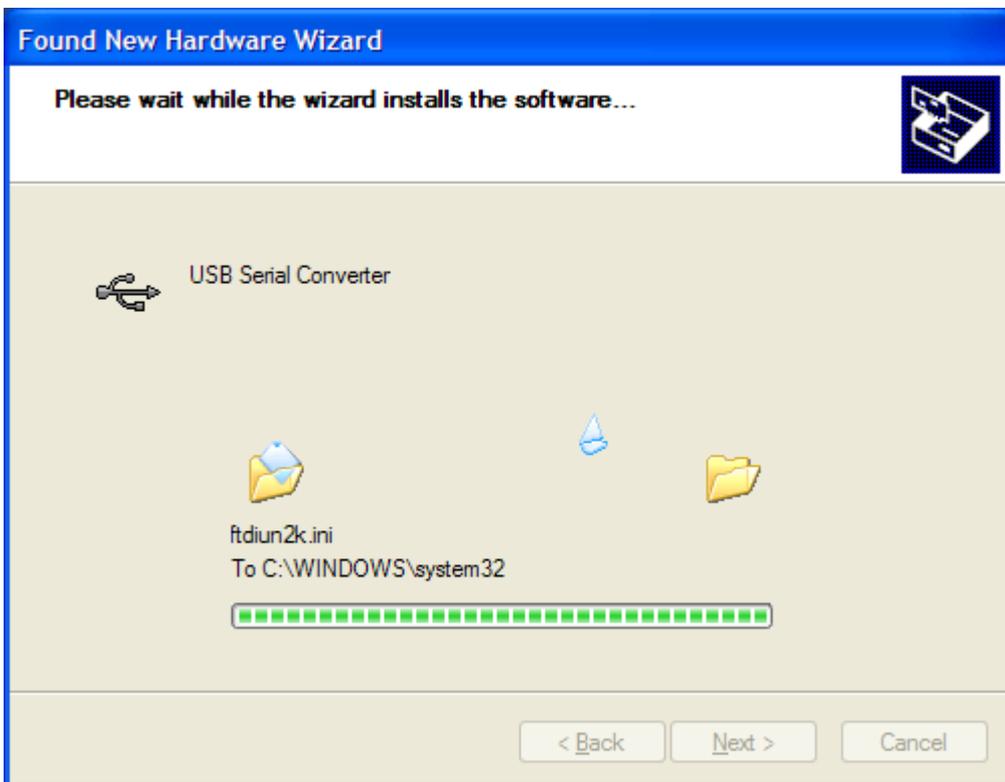
- 1.3 Select the "No, not at this time" option and click the "Next" button, the following option dialog window will be displayed.



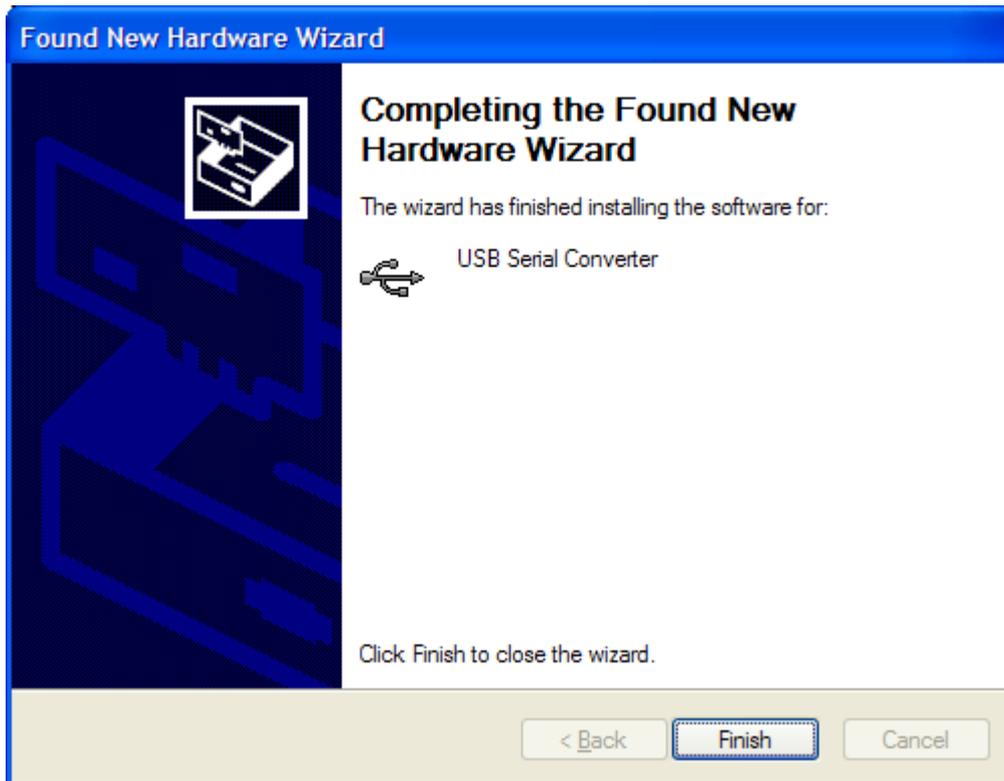
- 1.4 Select the “Install from a list or specific location (Advanced)” option and click the “Next” button, the following option dialog window will be displayed.



- 1.5 Select the “Search for the best driver in these locations.” and “Search removable media (floppy, CD-ROM...)” options and click the “Next” button, Windows will start installing the drivers. The following dialog window may be seen.



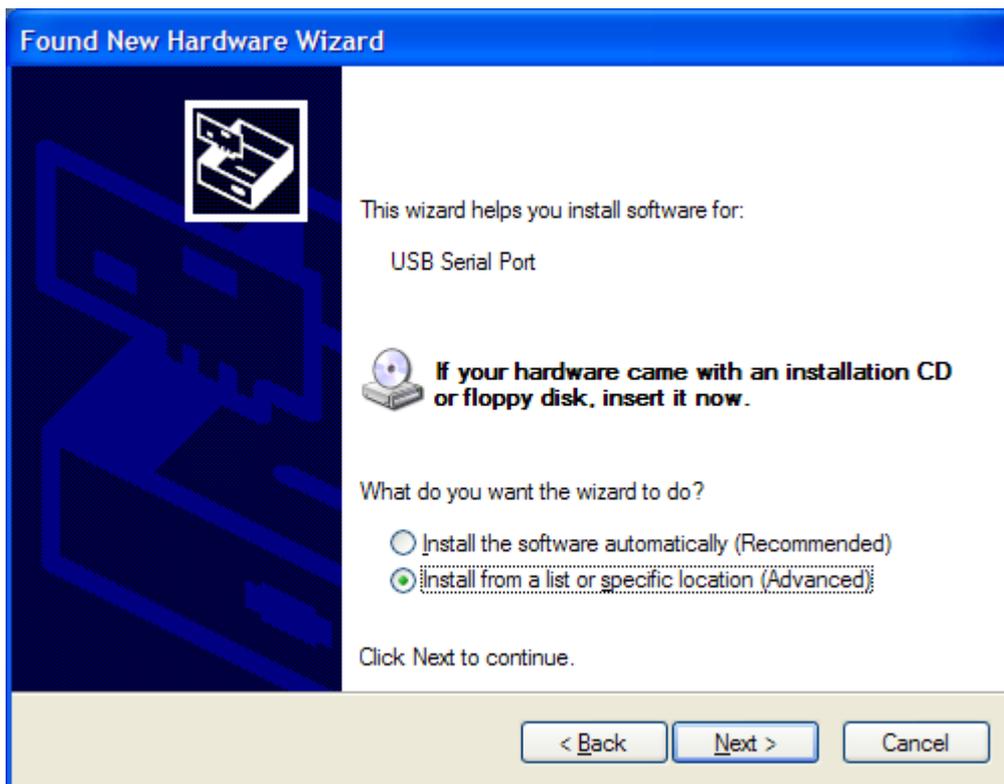
- 1.6 When the USB Serial Converter drivers have been installed, the following dialog window will be displayed.



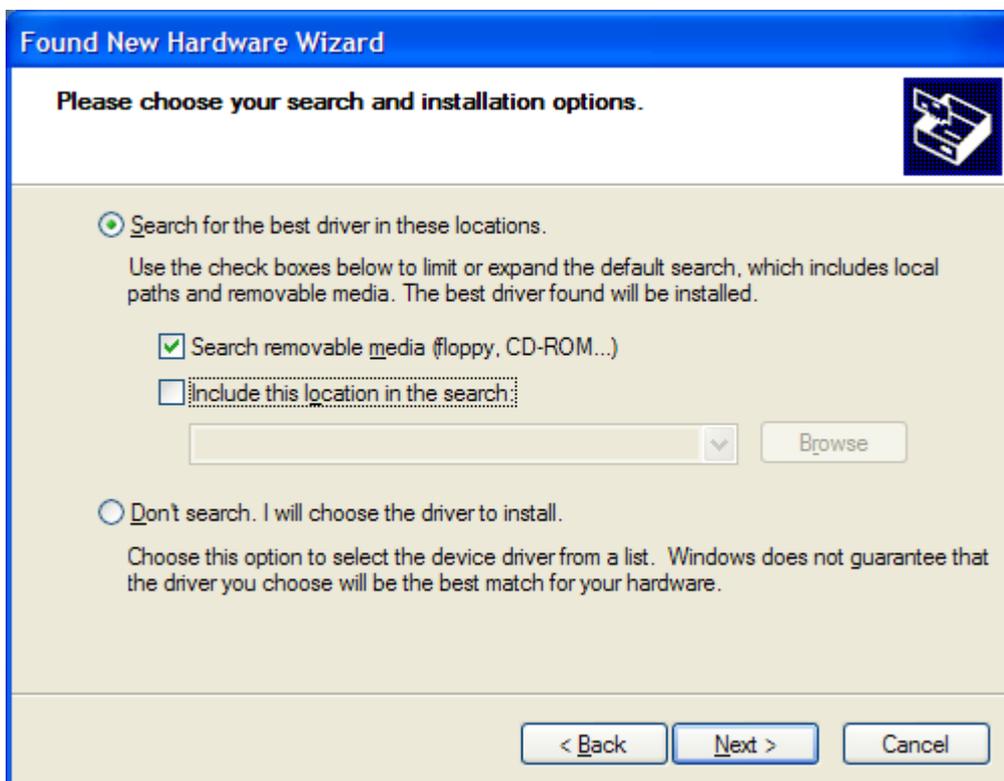
- 1.7 Click the "Finish" button to complete the installation of the USB Serial Converter drivers. The Windows "Found New Hardware Wizard" will launch to install the COM port emulation drivers.



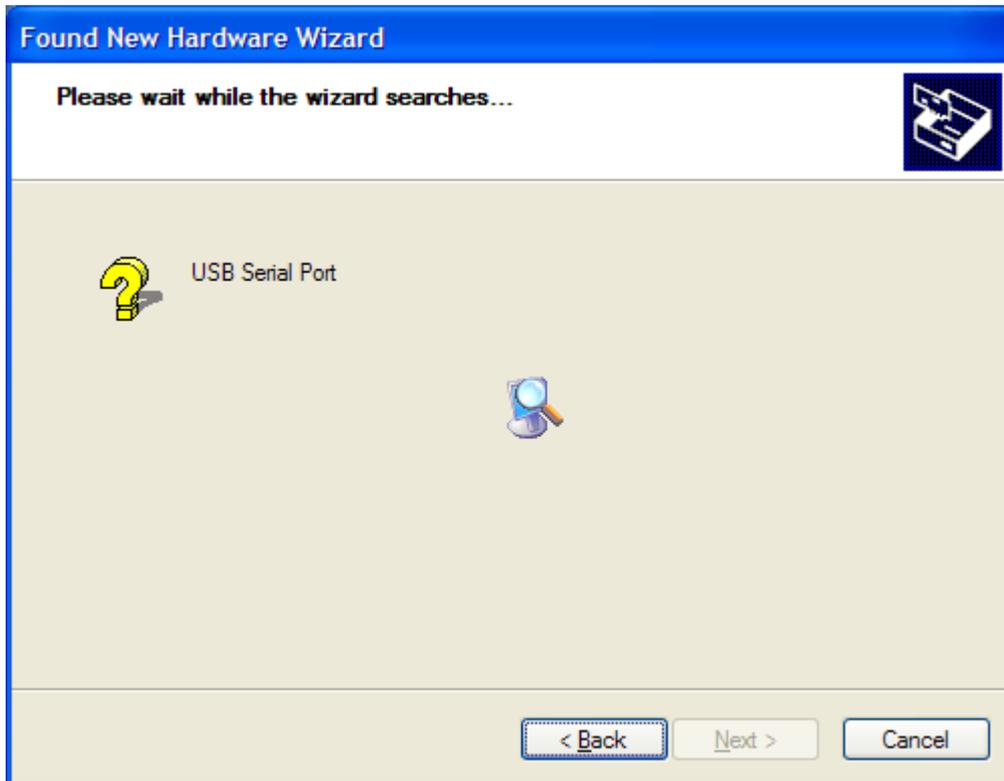
- 1.8 Select the “No, not at this time” option and click the “Next” button, the following option dialog window will be displayed.



- 1.9 Select the “Install from a list or specific location (Advanced)” option and click the “Next” button, the following option dialog window will be displayed.



- 1.10 Select the “Search for the best driver in these locations.” and “Search removable media (floppy, CD-ROM...)” options and click the “Next” button, Windows will start installing the drivers. The following dialog window may be seen.

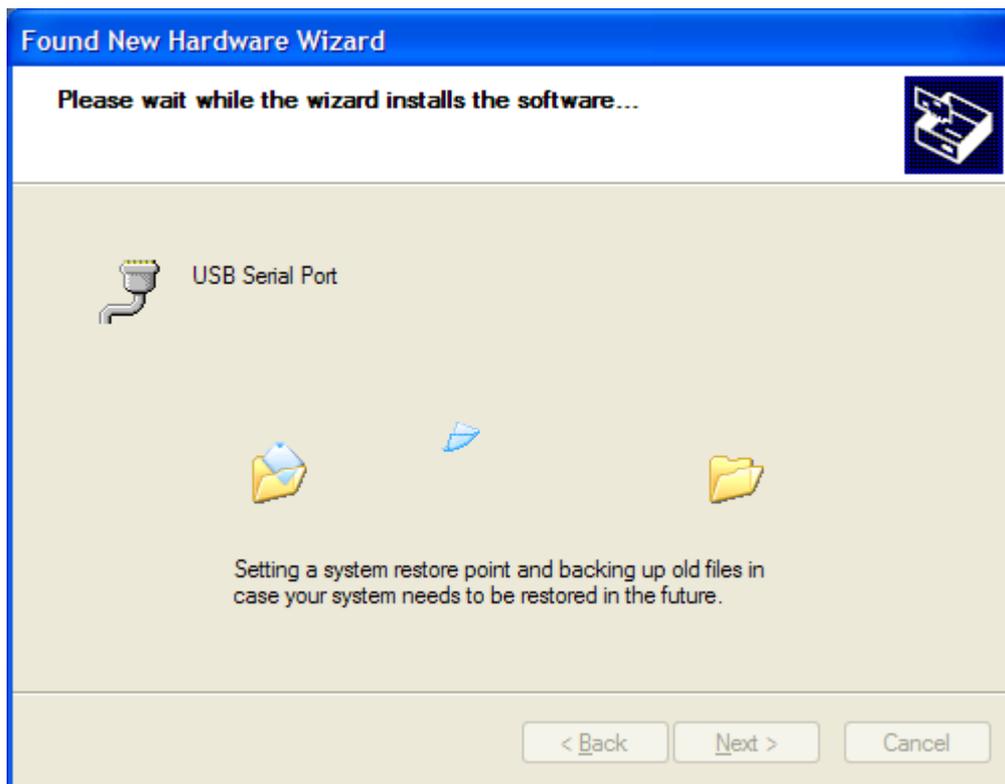


- 1.11 The USB Serial Port drivers have not been authenticated by Microsoft so the following dialog window will be seen.

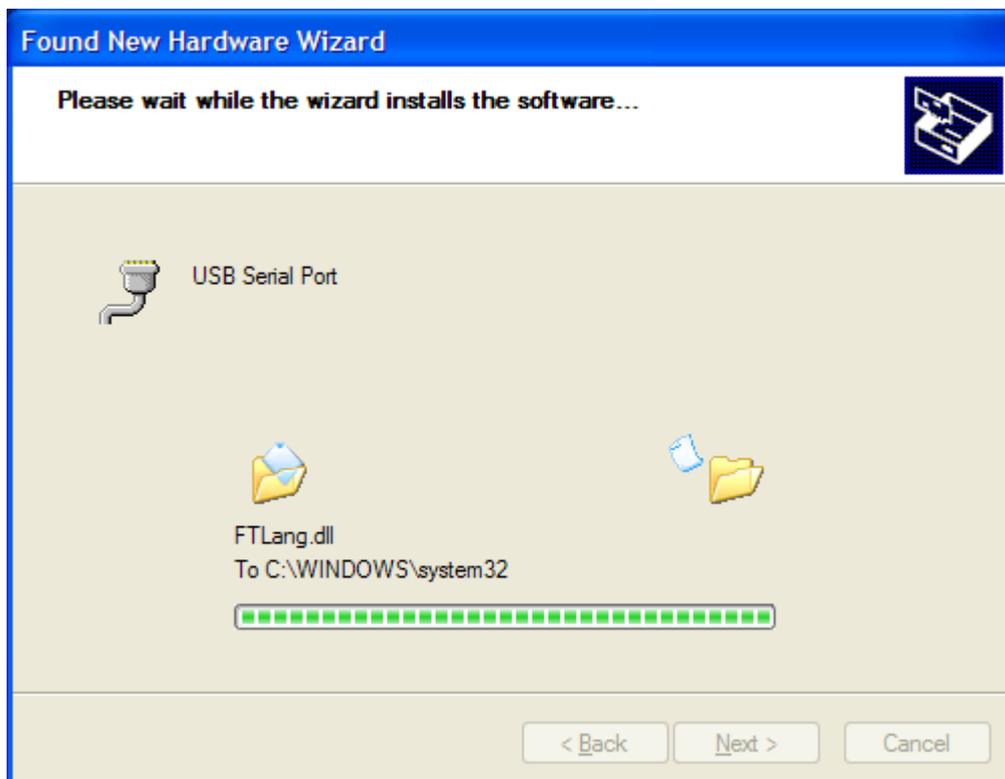


- 1.12 Click the “Continue Anyway” button; Windows will start installing the drivers for the COM port emulation drivers.

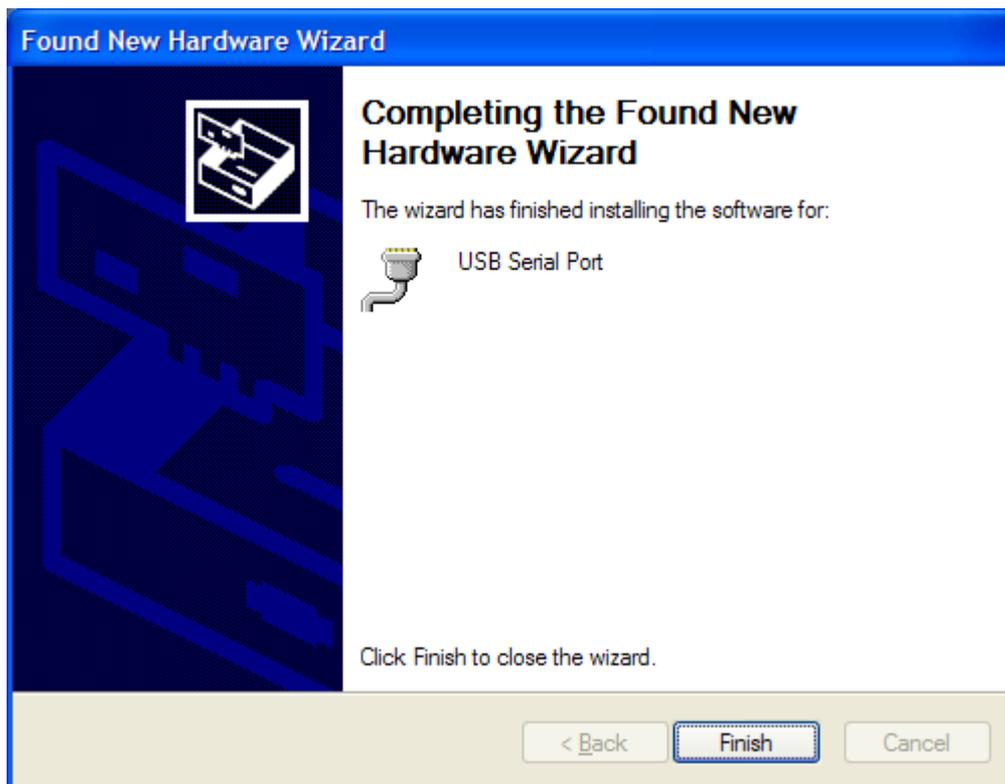
- 1.13 At this point, Windows XP will create a system restore point and the following dialog window may be seen.



- 1.14 After the restore point has been created, the USB Serial Port drivers will be installed and the following dialog window may be seen.



- 1.15 When the USB Serial Port drivers have been installed, the following dialog window will be displayed.



- 1.16 Click the "Finish" button to complete the installation of the USB Serial Port drivers.

2. Configuring the COM port in an application

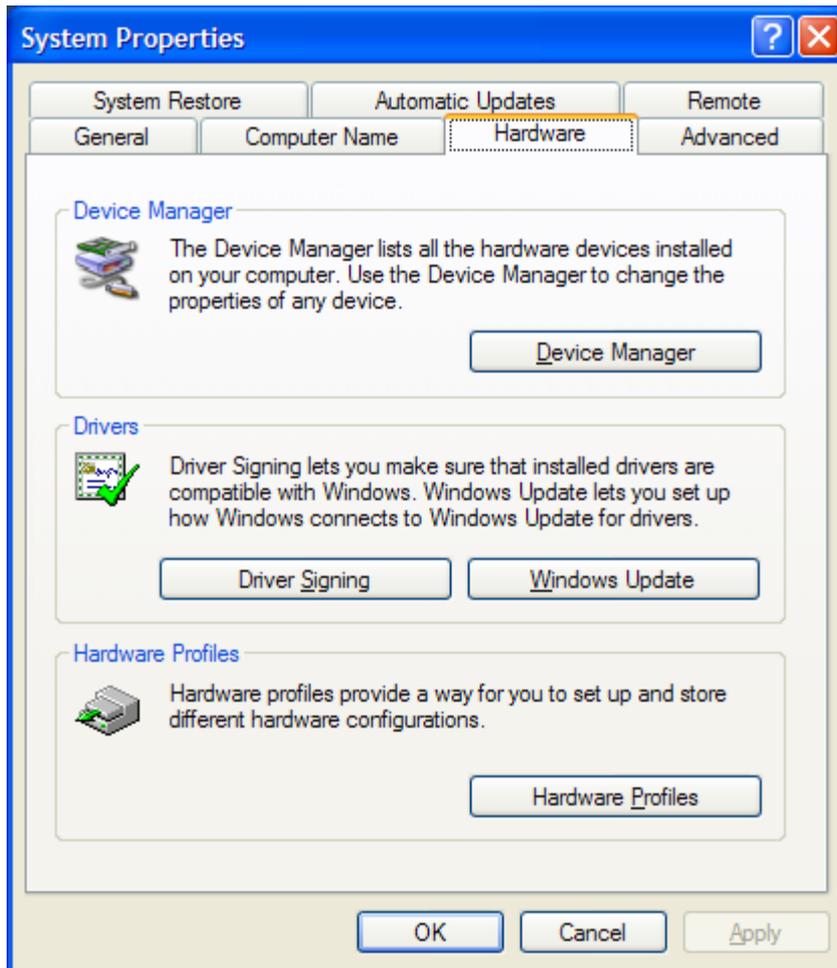
To use the USB converter lead, the application must be configured to use the USB COM port number allocated by the system. This information can be found by following these steps.

2.1 Open the “System Properties” dialog window.

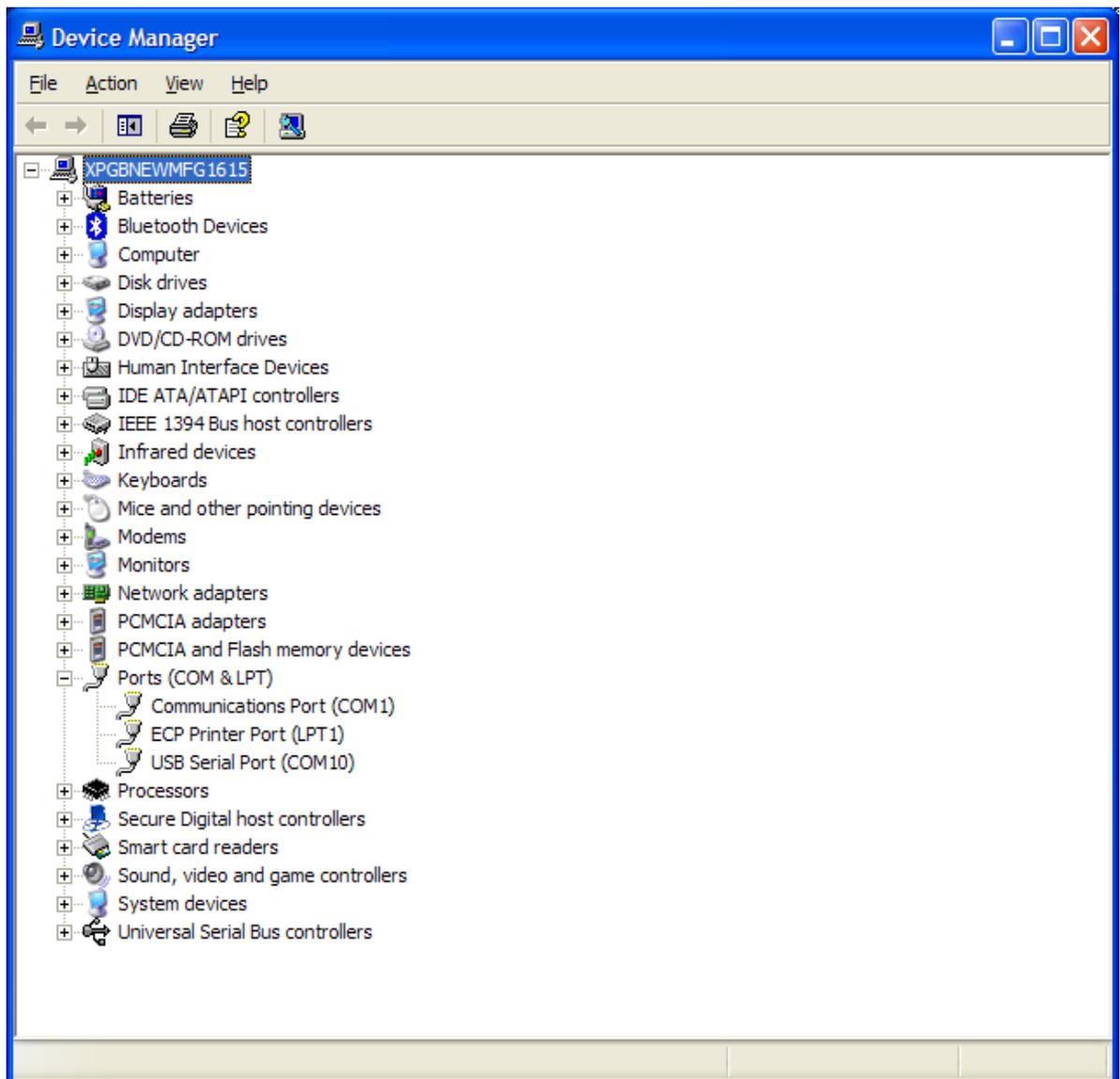
This can be done by either:

- Right-clicking on the “My Computer” desktop icon and selecting “Properties” or
- Opening the “Control Panel” and then double-clicking the “System” icon.

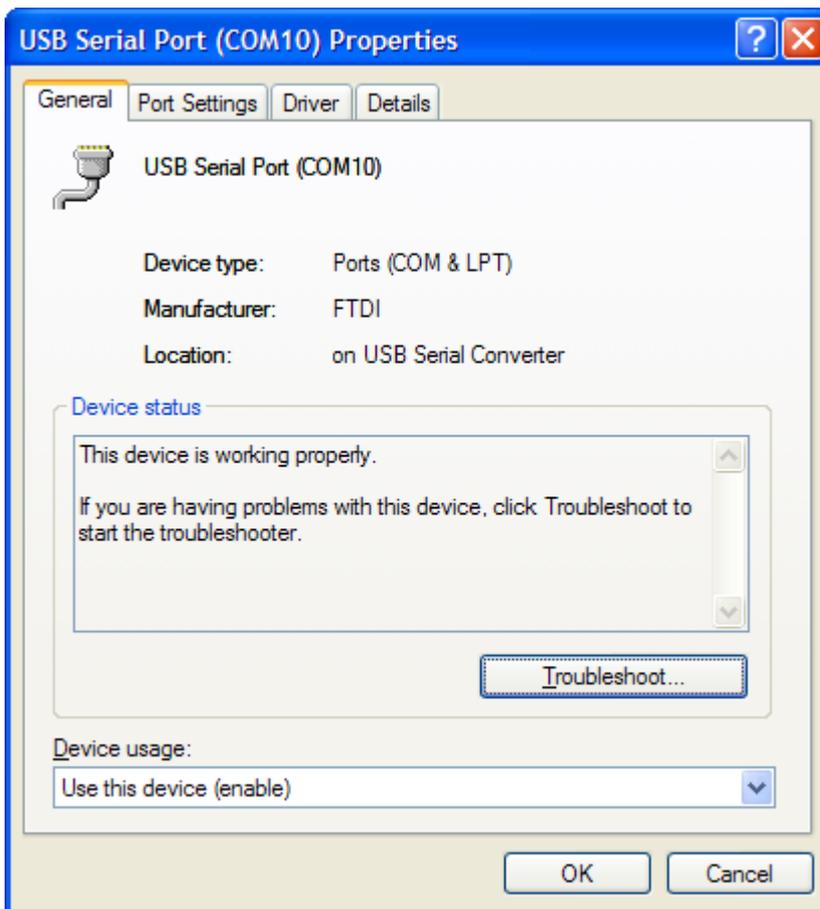
2.2 The following dialog window will be displayed.



2.3 Select the “Hardware” tab and click on the “Device Manager” button. This will open the device manager window, which will look similar to the following window.



- 2.1 Expand the "Ports (COM & LPT)" branch and the available communication (COM / LPT) ports will be displayed.
- 2.2 The COM port required is the one listed as "USB Serial Port (COMx)", where "x" represents the COM port number. (In this instance, COM10).
- 2.3 If more than one instance of "USB Serial Port" is displayed, then to find the correct one, right-click on the port name and select "Properties", the correct port will be the one whose properties list the "Manufacturer" as "FTDI" and the "Location" as "on USB Serial Converter" as shown in the following window.



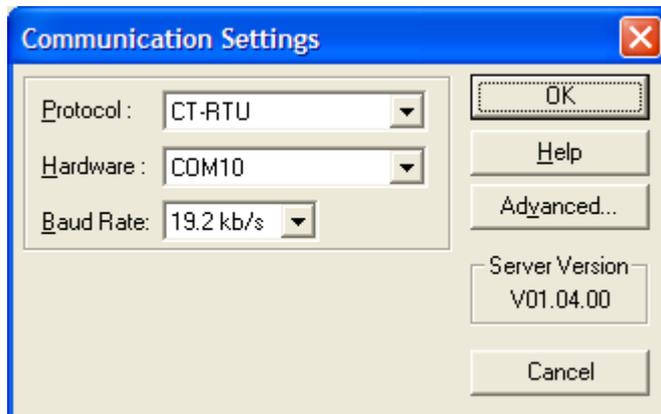
- 2.4 Once the correct COM port is known, this should be entered in the application program communications settings. The method of opening the “Communication Settings” dialog window differs between programs.

2.4.1 CTSOft

2.4.1.1 Click on the “Drive” menu and select “Properties”.

2.4.1.2 Click on the “Comms Settings” button.

2.4.1.3 A dialog window, similar to the one below, is displayed.



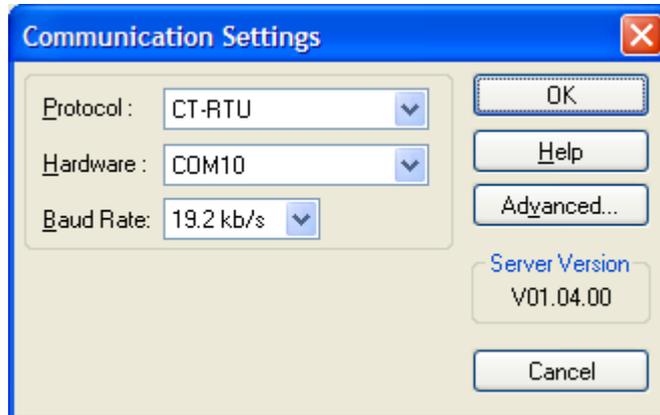
- 2.4.1.4 If the correct COM port is not displayed in the “Hardware” box, select the correct COM port from the drop-down list displayed when the “Hardware” box is clicked and then click on the “OK” button.

2.4.2 SYPT Pro

2.4.2.1 Click on the “Run” menu and select “PC Communication Settings”.

2.4.2.2 Click on the “Settings...” button.

2.4.2.3 A dialog window, similar to the one below, is displayed.

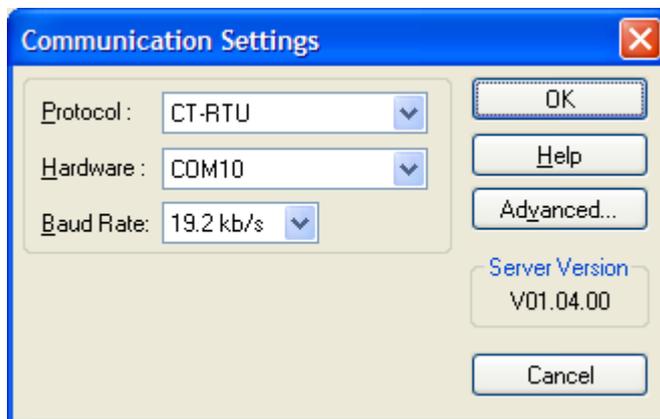


2.4.2.4 If the correct COM port is not displayed in the “Hardware” box, select the correct COM port from the drop-down list displayed when the “Hardware” box is clicked and then click on the “OK” button.

2.4.3 CTScope

2.4.3.1 Click on the “Settings” menu and select “Communications”.

2.4.3.2 A dialog window, similar to the one below, is displayed.



2.4.3.3 If the correct COM port is not displayed in the “Hardware” box, select the correct COM port from the drop-down list displayed when the “Hardware” box is clicked and then click on the “OK” button.