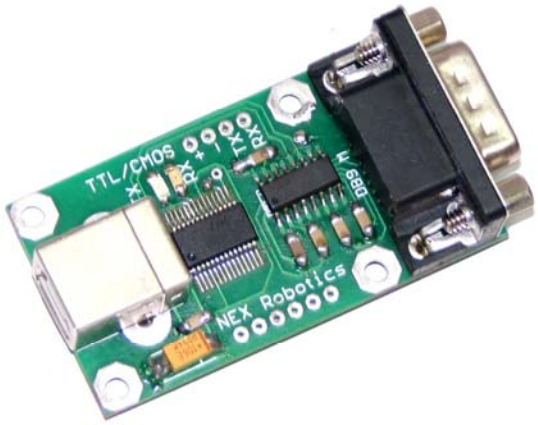
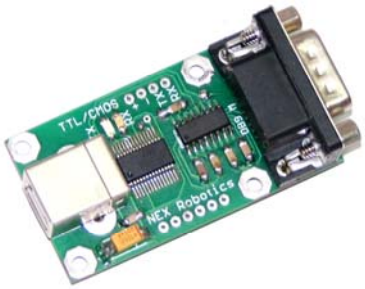
USB to RS-232 Converter



Package contains:
USB to RS-232 Converter
USB Cable

USB to RS-232 Converter



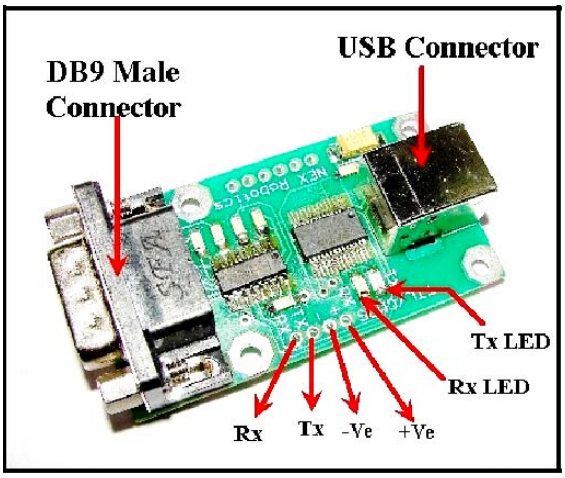
Introduction:

The USB to RS-232 converter provides the conversion of USB data from PC into RS-232 format and vice versa. The USB to RS-232 converter plays a vital role in replacing the legacy RS-232 based communication with USB communication. The laptop or PC treats the USB to RS-232 converter as virtual comport (VCP) device and assigns com port number. This device finds applications in USB modems, MCU based designs, hand held gadgets ,etc.

Features:

- USB 2.0 compatible
- USB powered
- Rx and Tx indicator LEDs
- Achievable data rates: 2400-115200bps
- Compatible with existing GUI(RS-232based)
- PDA driver support
- Low power consumption
- USB cable included

Device Overview 1.4 Driver Installation:



Steps to install the drivers for USB to RS-232 converter:

Step1

Insert the installation CD included with Atmega16/32 development into your CD drive

Step2

Copy "\Drivers\CDM2.02.04WHQLCertified" folder from the installation CD.

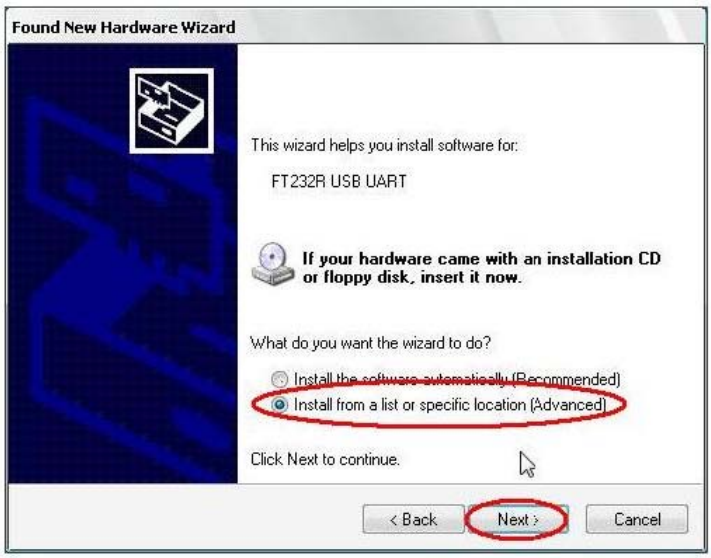
Step3

Connect the one end of the USB cable to your PC and the other end to the USB Wireless module.

Step4

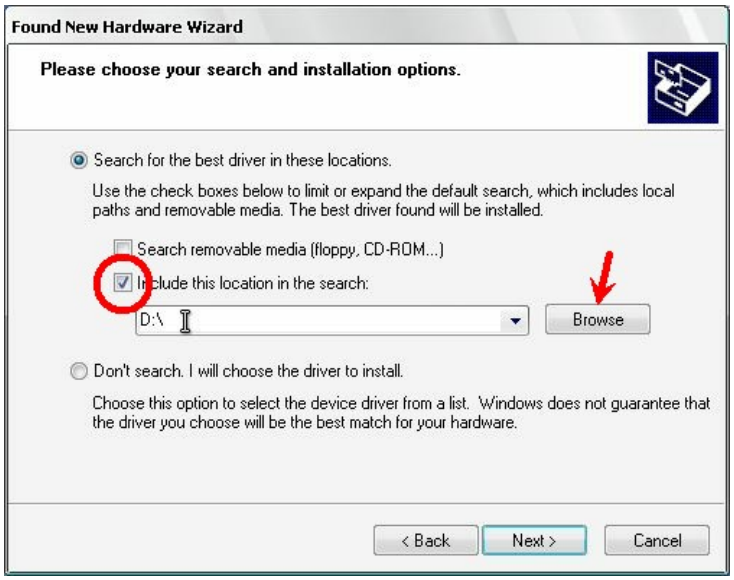
Windows will open a Found New Hardware Wizard window. Select No, not this time radio button and click Next.

In the next window that appears select the second option to install the drivers manually by specifying the driver location.

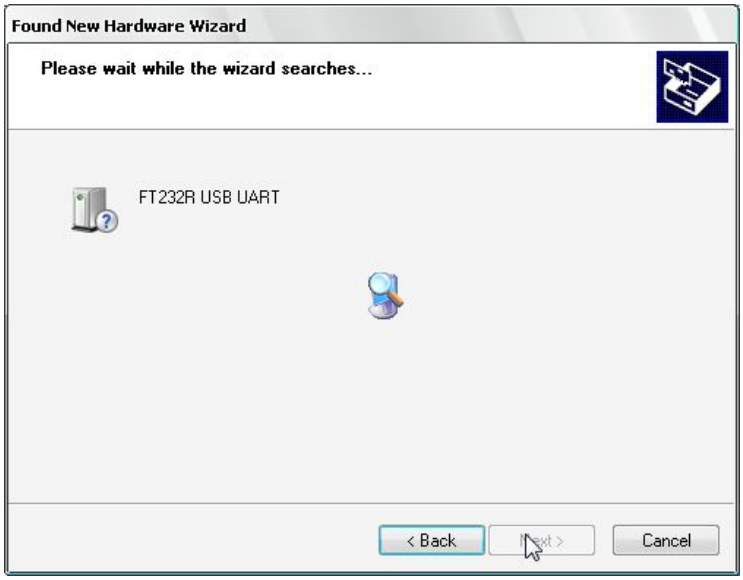


Step6

In the following window select the highlighted checkbox and click on browse to specify the driver location. The drivers are located in \Drivers\CDM 2.02.04 WHQL Certified\i386 folder.



Click next to begin the driver installation.



Step8

On successfully installing the drivers following window will appear. Click Finish to complete the installation.

After installation of FT232 USB UART driver windows will ask for Serial Port Driver. The driver installation procedure is same as procedure FT232 USB UART.

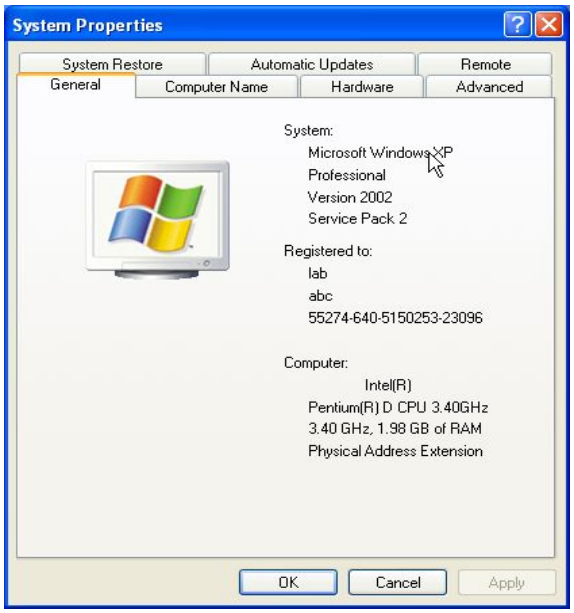
Identifying Comport number

To use terminal.exe or any other serial control program we need to first identify port (generally referred as COMn ,i.e. COM1 or COM2 etc.)assigned to USB wireless module.

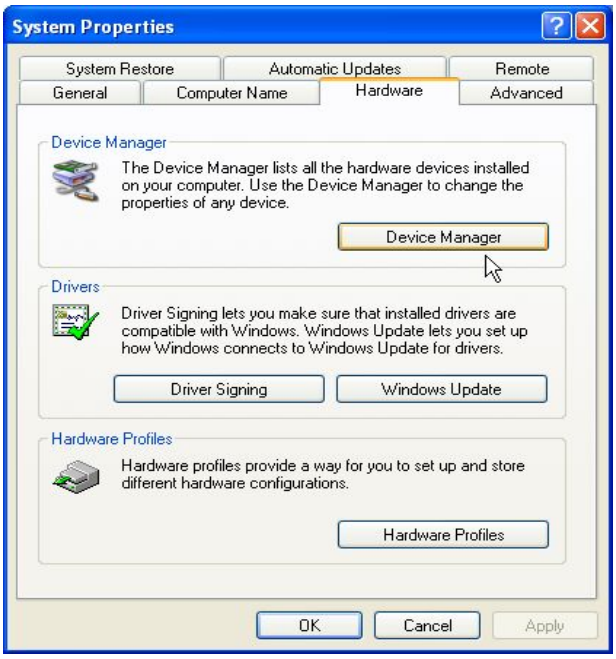
COM port number for the installed device can be identified by viewing the system properties. Follow these steps to identify the COM Port number.

Step1

Right Click My Computer and click on properties. System properties window will appear.

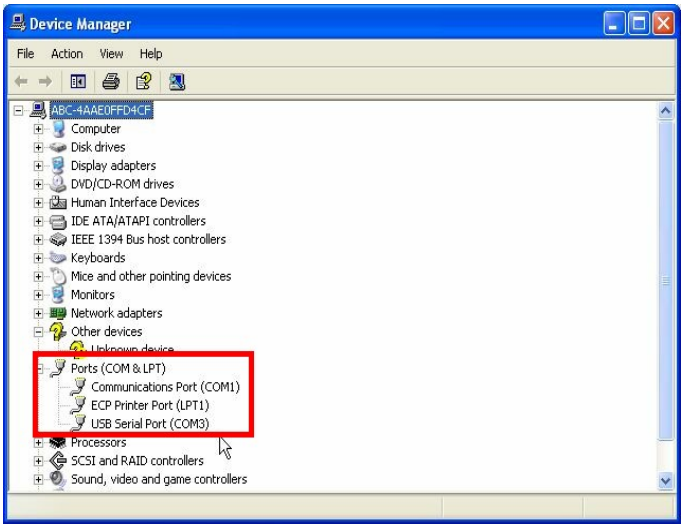


Click on the Device manager in the Hardware tab.



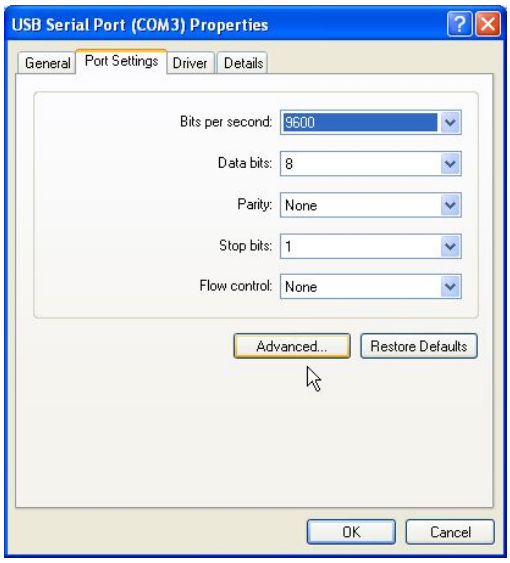
Step3

Expand Ports (Com & Lpt) tree. COM Port number is mentioned in the parenthesis next to USB Serial Port.

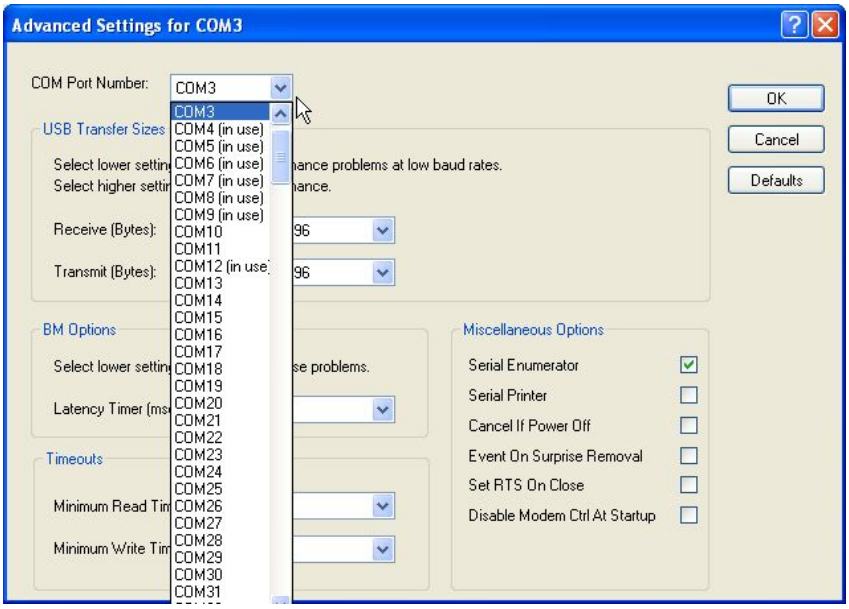


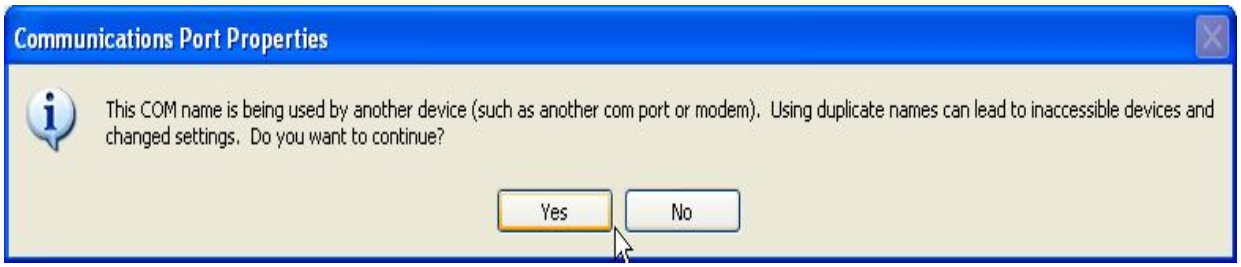
Troubleshooting Tip

If the COM port number is greater than “10” Terminal program included in the CD will not be able to detect it. To resolve this problem, change the port number by right clicking on “USB serial Port” and select properties.



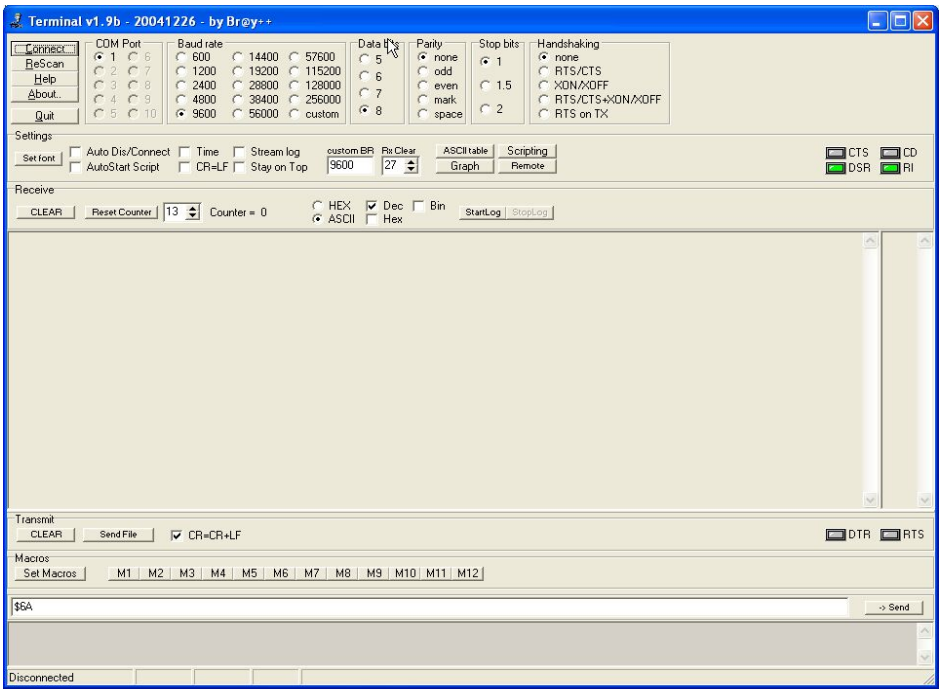
In the Port settings tab click on the Advanced button, the following window will appear.



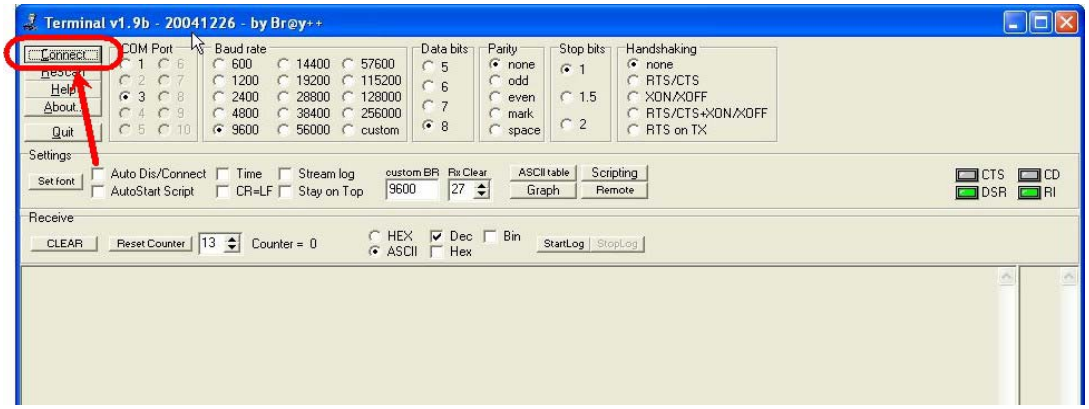


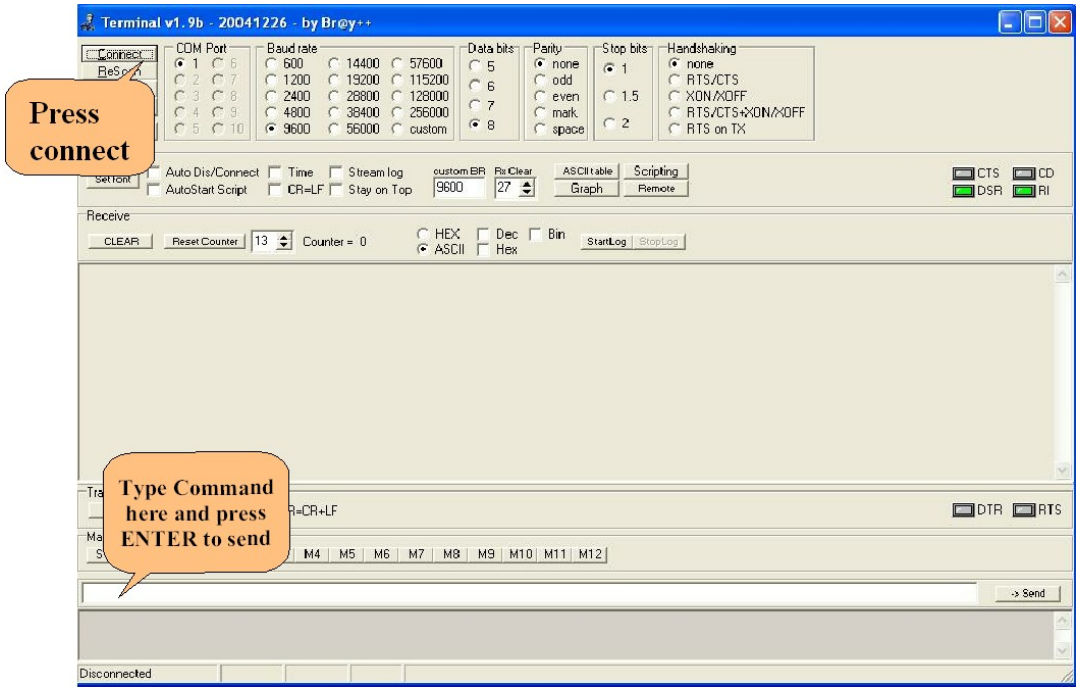
Using Terminal

Step 1: Double click the terminal software included in the CD. The terminal window will open up.



Step 2: Select the com port and set the baud rate and other settings as desired. Once all the settings are done click connect.




Terminal v1.9b - 20041226 - by Br@y++
Press connect
Type Command here and press ENTER to send
Disconnected