This document explains how to set up dial up connection for a CDMA/EVDO
Data card on Windows XP.
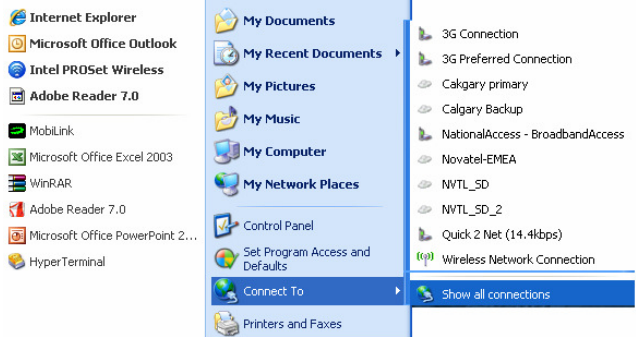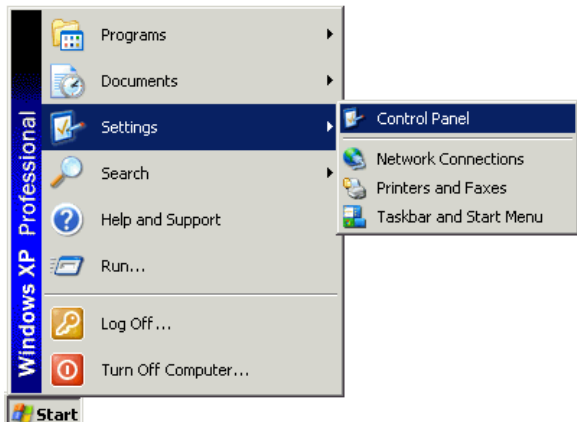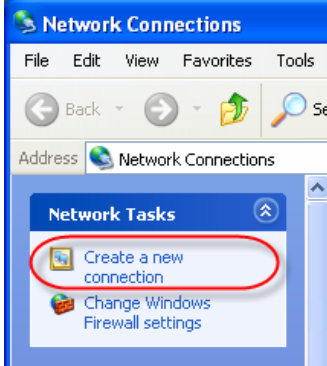
Preparation
Requirements
- ✓ Windows 2000/ XP pre-installed on your computer
- ✓ Activated Data Card "Modem"
- ✓ Network Coverage
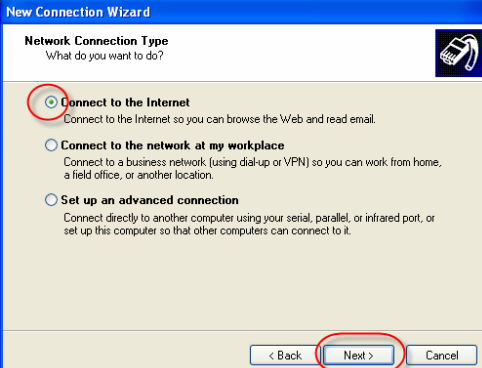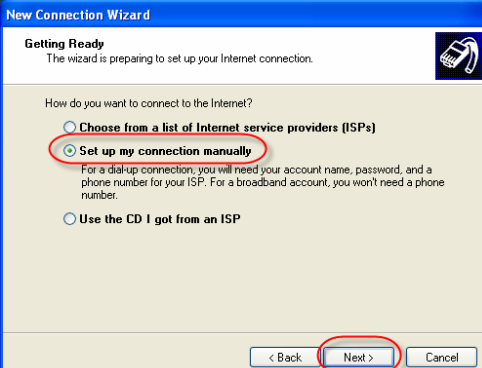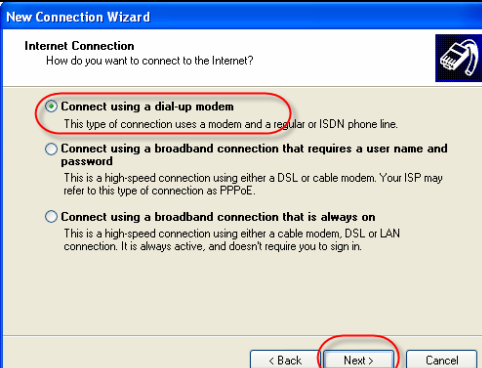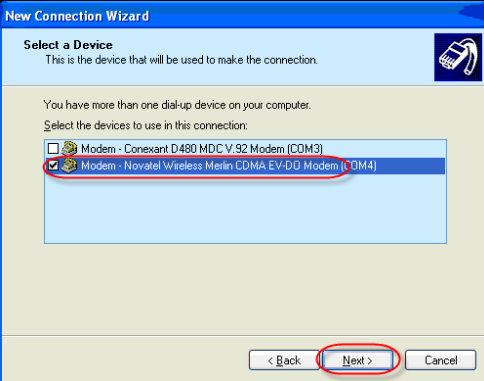- ✓ Administrator privileges on the Windows XP machine.

Setup
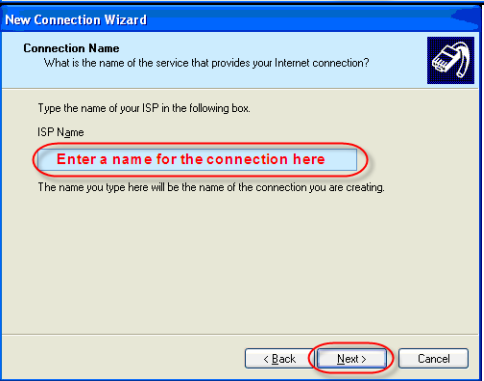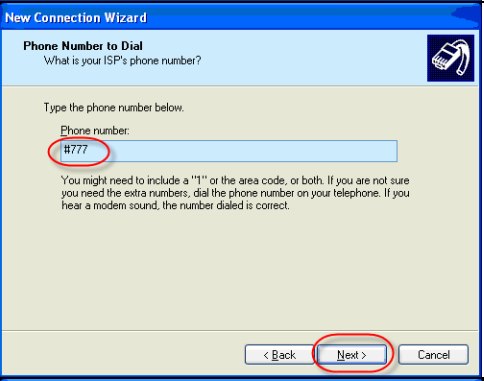
When you have met all these requirements, follow these steps to perform the installation
and configuration.
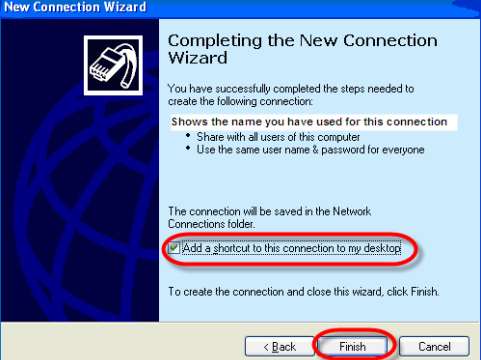
To start the setup there are two options,

a. Select "Start" -> "connect To" -> "Show all Connections".
b. Or select "Start" -> "Control Panel" -> "Network Connections"
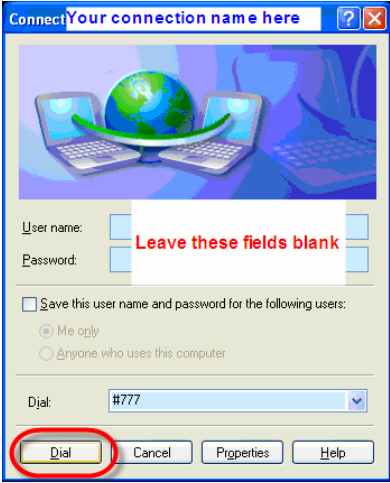
a. Click **Start-> Connect to-> Show all Connection**	b. Click **Start->Settings->Control Panel -> Network Connections**
Network connections **Select** "Create a new connection"	

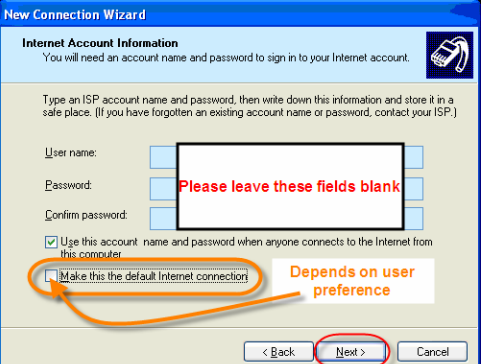|	
New Connection Wizard - click **Next** to continue	
Network Connection Type **Select** 'Connect to the Internet' and click **'Next'**.	
Getting Ready **Select** 'Set up my connection manually' and click **'Next'** to continue.	
Internet Connection **Select** 'Connect using a dial-up modem' and click **'Next'** to continue.	

Select a Device **Check** Modem – Novatel Wireless and uncheck all others. (If Modem – Novatel Wireless does not appear, then Novatel device may not have been properly installed – Goto Troubleshooting section of this document) And click **'Next'** to continue.	
Connection Name Enter "Network Name" for the ISP Name and click 'Next' to continue. The Network Name that you enter is any name you want to use to identify the connection.	
Phone Number to Dial Enter **#777** And click **'Next'** to continue.	
Connection Availability - you may select Anyone's use And click **'Next'** to continue.	

Internet Account Information
 	
   -   Please leave the User name, Password, and Confirm password fields blank
   -   Depending on your preference, you may choose to check/uncheck the box for Make this the default Internet connection
And click **'Next'** to continue.	

Completing the New Connection Wizard **Click** on Add a shortcut to this connection to my desktop And click '**Finish**'	

Connect

If you created a shortcut icon on the desktop.	Select (Double click) the shortcut icon for your connection (the name entered in the wizard) on the desktop. Click 'Dial'
If you did not create and shortcut icon or it has been deleted.	Go to '**Start**' -> '**Connect To**' -> '**Show all connections**' -> Dial-up section – find your connection name – **Right Click** – '**Connect**'

Disconnect

Network Connection in System Tray | Right Click | Disconnect
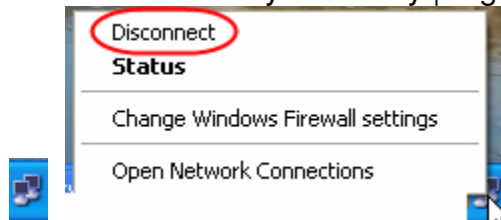
Or

To disconnect, **double click** on the desktop shortcut icon for your dialup connection to open connection status and click on **Disconnect.**

Or

Go to **Start** | **Connect To** | **Show all connections** | Find Dial-up section, **your connection** – **Right Click** | **Disconnect.**

Troubleshooting

LED Indicator

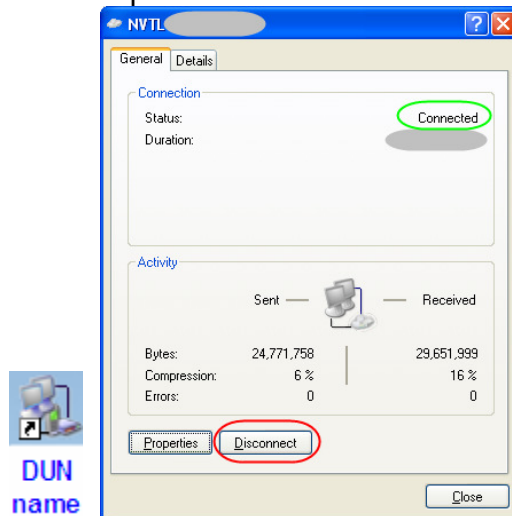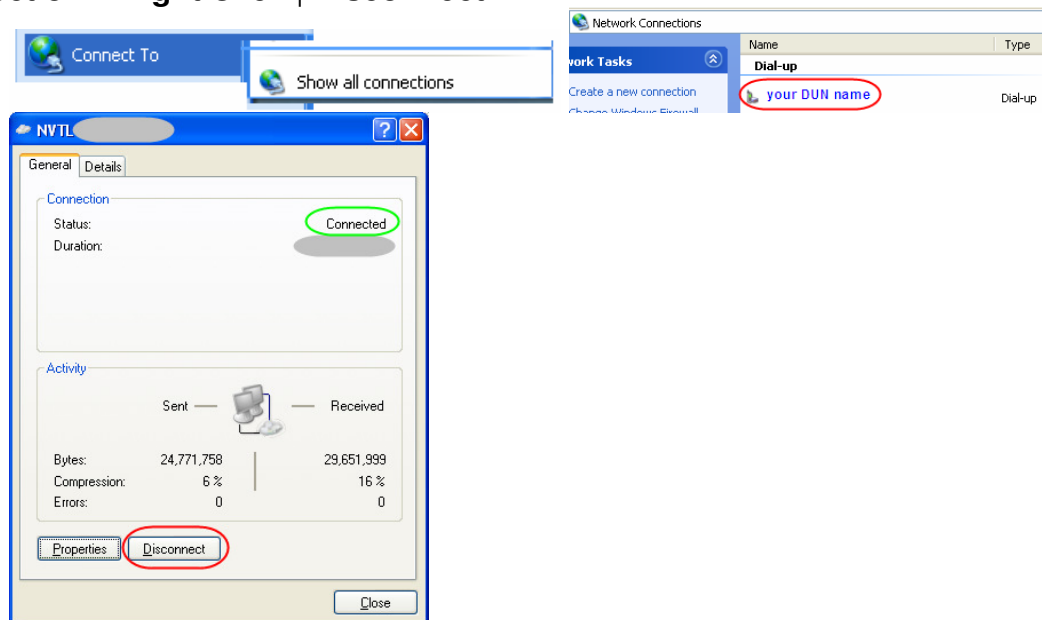| LED *not lit*	No Power to Card - physical - driver or conflict
LED *RED*	Card can not acquire CDMA service (outside coverage area)
LED *GREEN* After a few seconds – *flashing* 1 per second	Card is registered with a CDMA network - does not require * CM to be running ***CM - Connection Manager**
LED *ORANGE*	Card Fault – replace card

If the LED is not lit, then check that the device is connected properly. If physical connection seems good, then check for the device in the device manager.

Device Manager

Verify that your device is found in Device Manager without Red 'X's or Yellow Triangles with '!" If these conditions show, then there is a driver problem or device conflict

When you insert your Novatel Wireless device into your computer, Windows will double ding and popup messages indicating new hardware found. Please note any error or warning messages that may popup.

To get Hardware Device Manager Information
- Start | Control Panel | System
- Hardware tab
- Select Device Manager

- Click '+' to expand a device type
- Highlight device (left click)
- Right Click – Select Properties (left click)

Please check one of the following sections appropriate for your device

| PCMCIA Devices

S620, V620 | 3 Devices **MUST** show
- Modem Section – Novatel Wireless Merlin CDMA EV-DO Modem
- Ports Section – Novatel Wireless Merlin CDMA EV-DO Status Port (COM# will vary by system)
- Universal Serial Bus Controller – NEC PCI to USB Open Host Controller
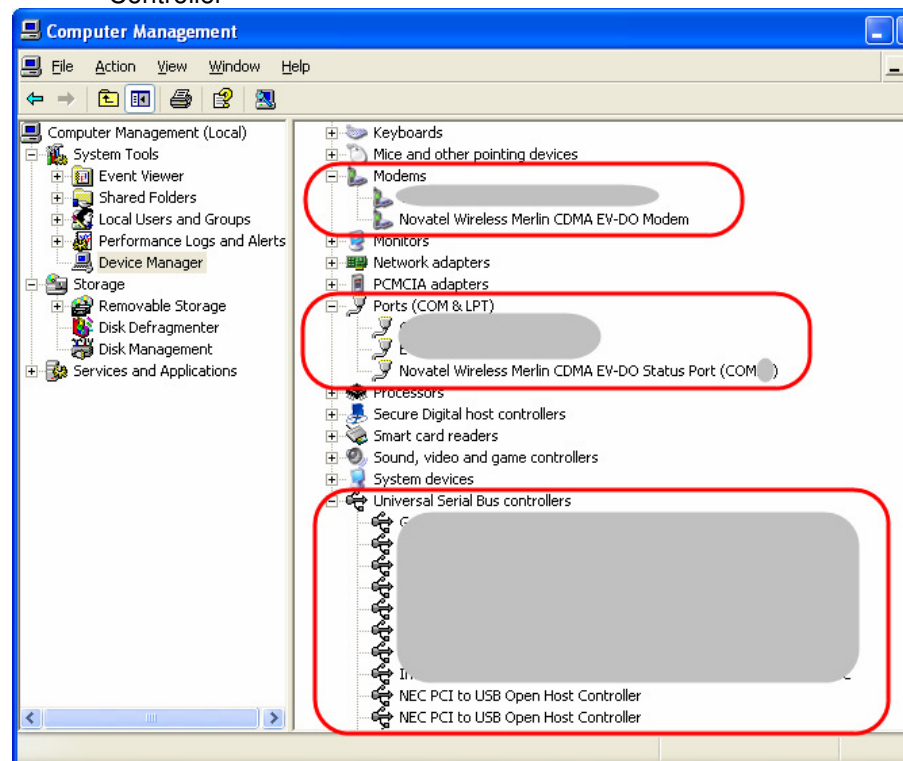
Safely Remove Device Icon will show in System Tray |
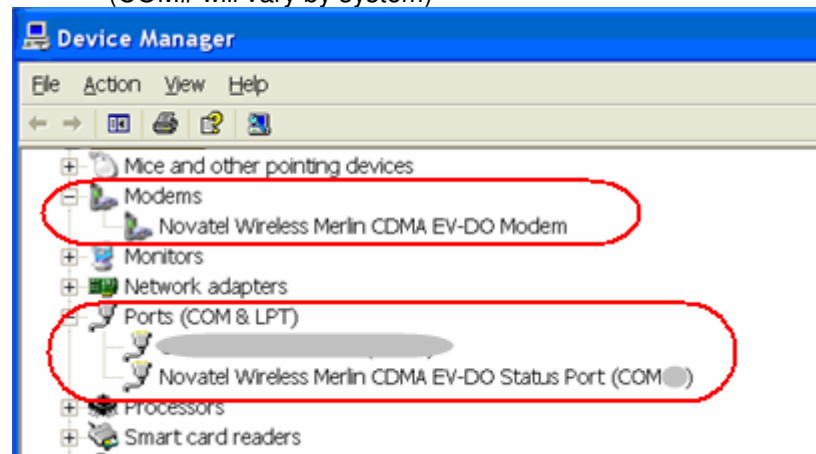|---|---|

| **ExpressCard Devices**

V640, V740
EX720
XV620, X720 | 2 Devices **Must** show
- Modem Section – Novatel Wireless Merlin CDMA EV-DO Modem
- Ports Section – Novatel Wireless Merlin CDMA EV-DO Status Port (COM# will vary by system)

- Depending on the device and options available, other Novatel Wireless Merlin ports may also show.
- The 'Safely Remove Device' icon may not show in system tray – not required for this device
Note
- if you are using a ExpressCard-PCMCIA adapter, you will also see

- Safely Remove Device Icon will show in System Tray |

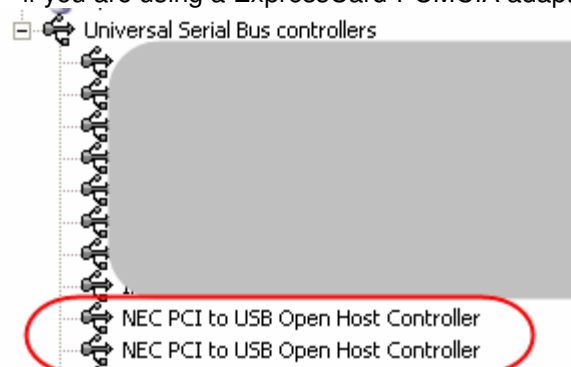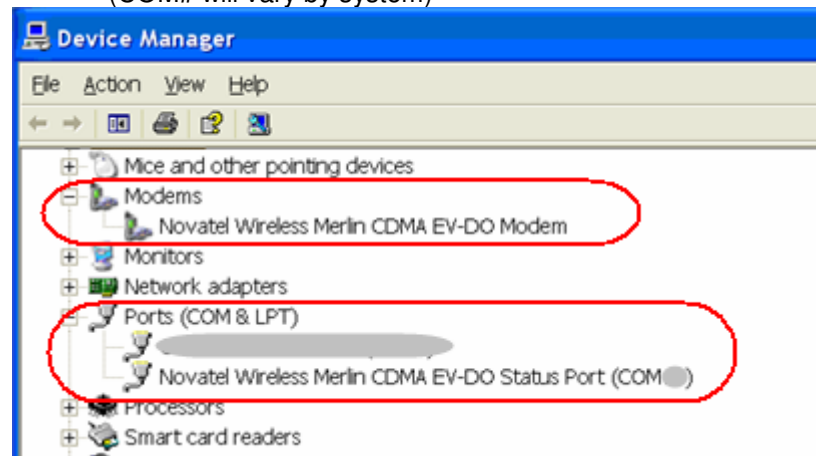| Ovation USB Devices MCD 3000. U720, USB720 MC727, U727, USB727	2 Devices **Must** show - Modem Section – Novatel Wireless Merlin CDMA EV-DO Modem - Ports Section – Novatel Wireless Merlin CDMA EV-DO Status Port (COM# will vary by system) - Depending on the device and options available, other Novatel Wireless Merlin ports may also show. - The 'Safely Remove Device' icon may not show in system tray – not required for this device

If required, drivers are available for download at
www.nvtl.com/releases/NvtlDriver_V2.01.07MSI.zip