

This document explains how to set up dial up connection for a CDMA/EVDO Data card on Windows XP.

Preparation

Requirements

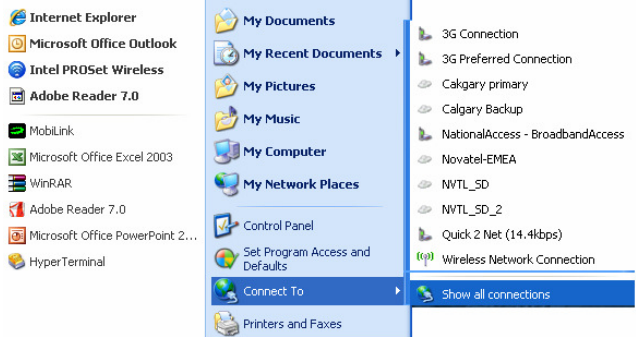
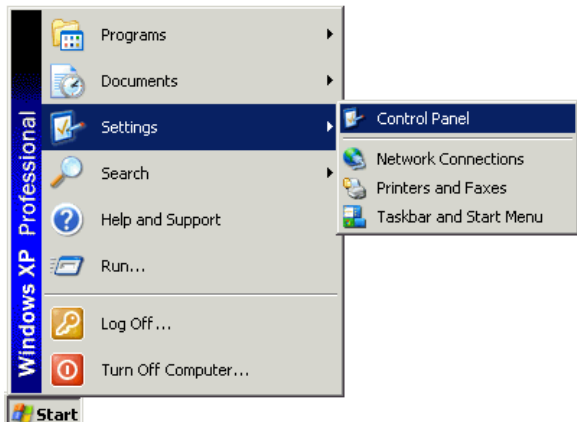
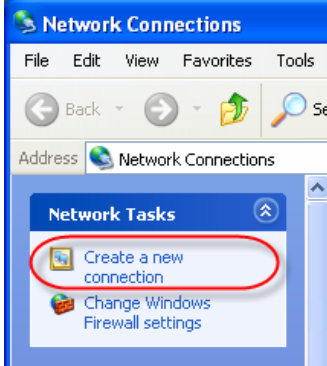
- ✓ Windows 2000/ XP pre-installed on your computer
- ✓ Activated Data Card “Modem”
- ✓ Network Coverage
- ✓ Administrator privileges on the Windows XP machine.


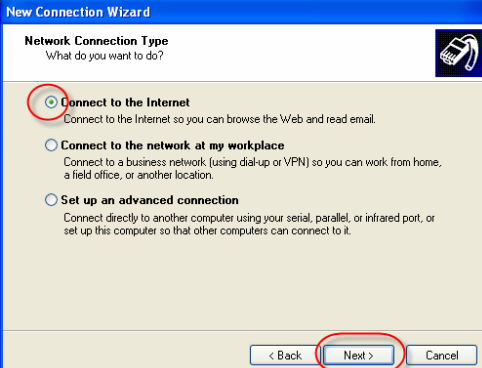
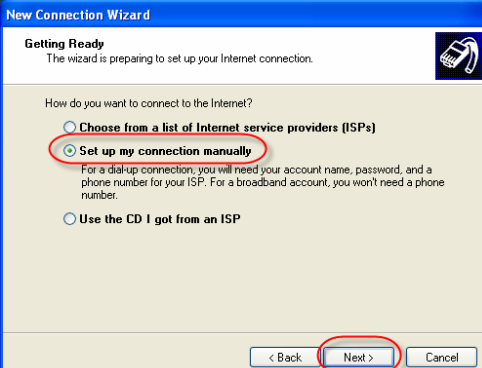
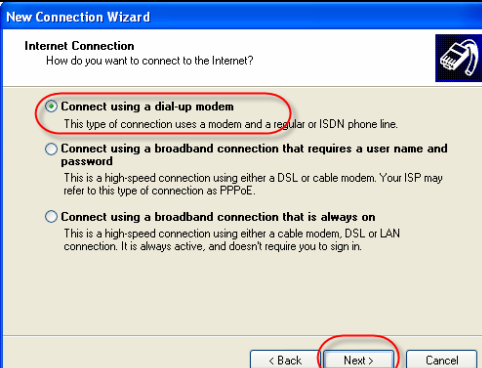
Setup

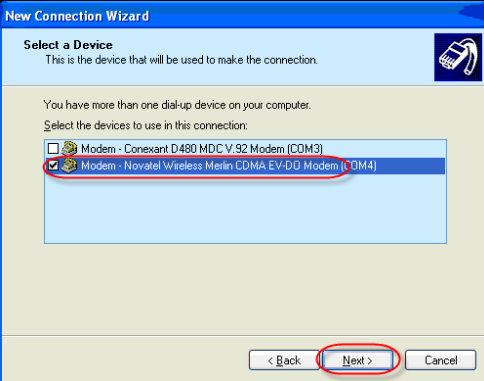
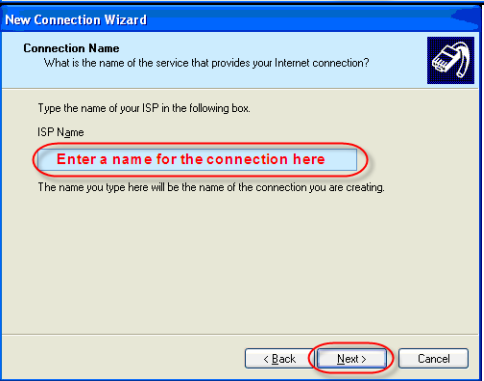
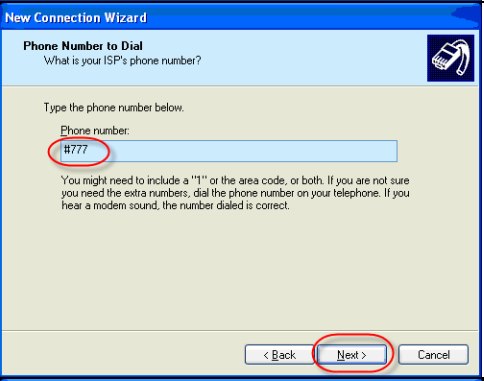

When you have met all these requirements, follow these steps to perform the installation and configuration.

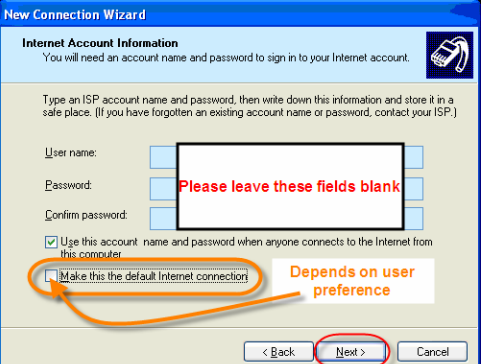
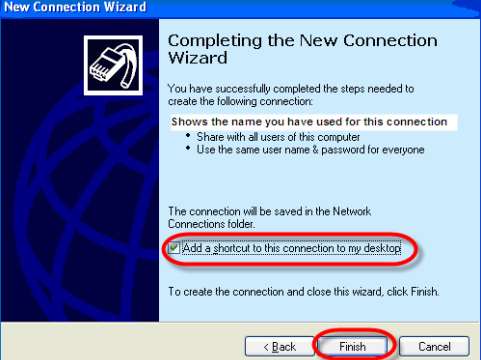
To start the setup there are two options,

- a. Select "Start" -> “connect To” -> “Show all Connections”.
- b. Or select “Start” -> “Control Panel” -> “Network Connections”

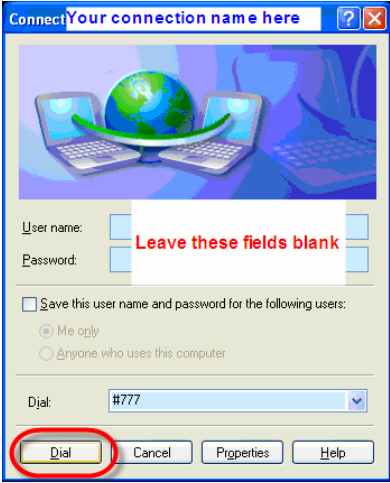
a. Click Start-> Connect to-> Show all Connection	b. Click Start->Settings->Control Panel -> Network Connections
	
<p>Network connections</p> <p>Select “Create a new connection”</p>	

<p>New Connection Wizard</p> <p>- click Next to continue</p>	 <p>The 'Welcome to the New Connection Wizard' screen. It features a blue header with a modem icon. The main area has a blue globe background on the left and text on the right. The text says 'Welcome to the New Connection Wizard' and 'This wizard helps you:' followed by two bullet points: 'Connect to the Internet' and 'Connect to a private network, such as your workplace network.' Below this, it says 'To connect to a wireless network, view wireless network in range.' and 'To continue, click Next.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is circled in red.</p>	
<p>Network Connection Type</p> <p>Select 'Connect to the Internet' and click 'Next'.</p>	 <p>The 'Network Connection Type' screen. It has a blue header with a modem icon. The main area has a light beige background. It says 'What do you want to do?' and lists three options with radio buttons: 'Connect to the Internet' (selected and circled in red), 'Connect to the network at my workplace', and 'Set up an advanced connection'. Below the options, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is circled in red.</p>	
<p>Getting Ready</p> <p>Select 'Set up my connection manually' and click 'Next' to continue.</p>	 <p>The 'Getting Ready' screen. It has a blue header with a modem icon. The main area has a light beige background. It says 'The wizard is preparing to set up your Internet connection.' and 'How do you want to connect to the Internet?'. It lists three options with radio buttons: 'Choose from a list of Internet service providers (ISPs)', 'Set up my connection manually' (selected and circled in red), and 'Use the CD I got from an ISP'. Below the options, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is circled in red.</p>	
<p>Internet Connection</p> <p>Select 'Connect using a dial-up modem' and click 'Next' to continue.</p>	 <p>The 'Internet Connection' screen. It has a blue header with a modem icon. The main area has a light beige background. It says 'How do you want to connect to the Internet?' and lists three options with radio buttons: 'Connect using a dial-up modem' (selected and circled in red), 'Connect using a broadband connection that requires a user name and password', and 'Connect using a broadband connection that is always on'. Below the options, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is circled in red.</p>	

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

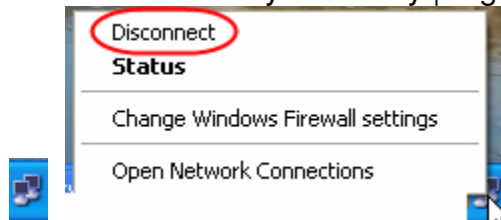
<p>Internet Account Information</p> <ul style="list-style-type: none"> - Please leave the User name, Password, and Confirm password fields blank - Depending on your preference, you may choose to check/uncheck the box for Make this the default Internet connection <p>And click 'Next' to continue.</p>	
<p>Completing the New Connection Wizard</p> <p>Click on Add a shortcut to this connection to my desktop</p> <p>And click 'Finish'</p>	

Connect

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

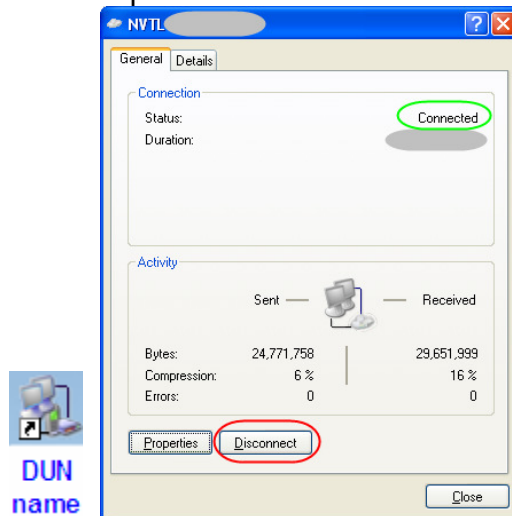
Disconnect

Network Connection in System Tray | Right Click | Disconnect



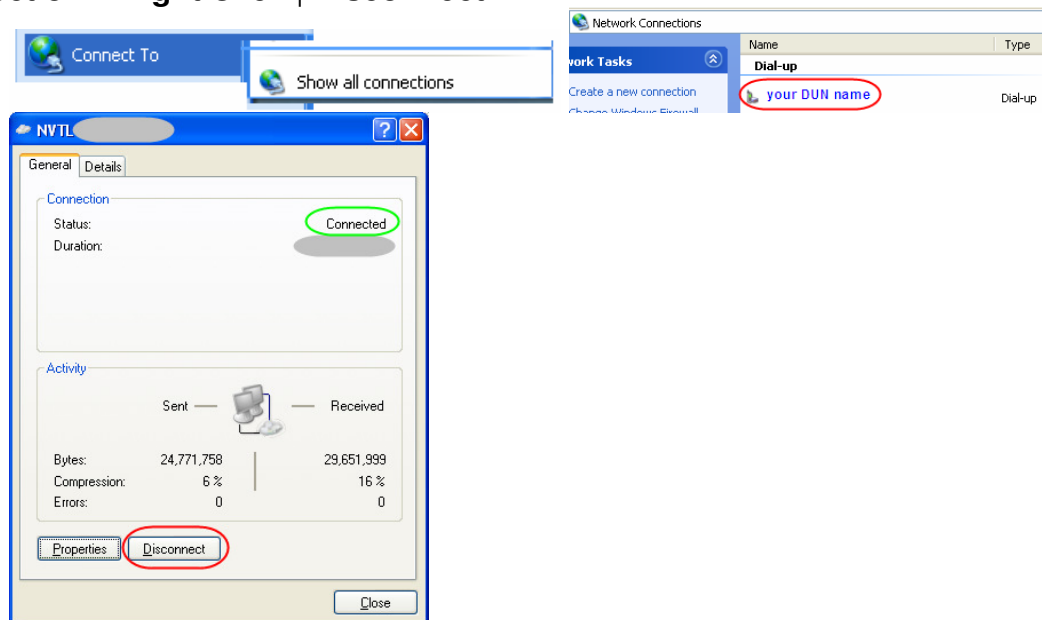
Or

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

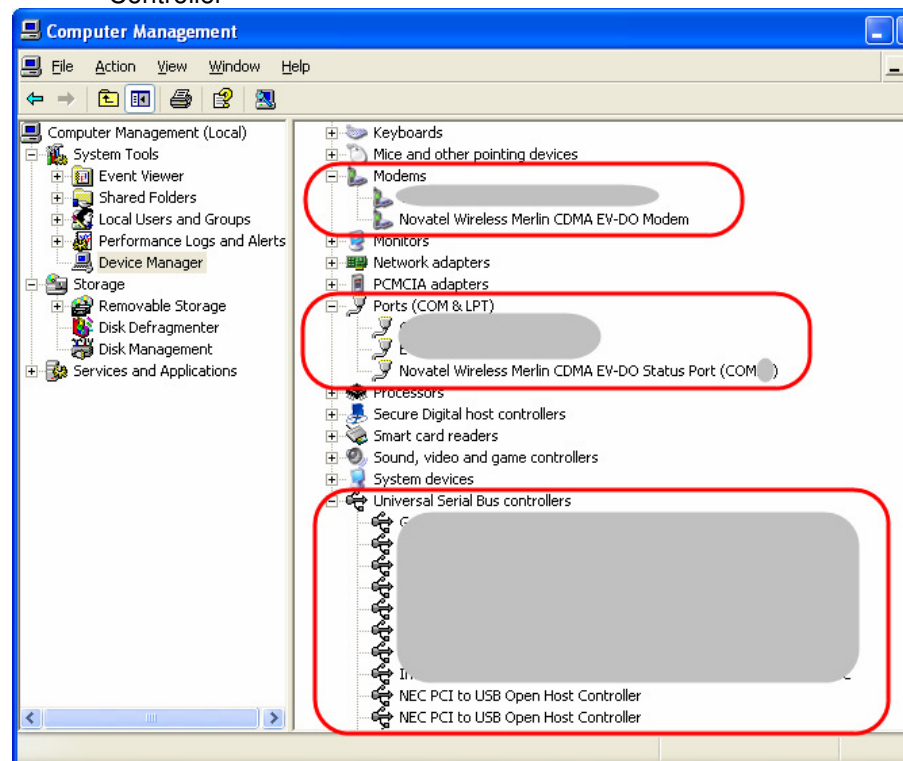
Please check one of the following sections appropriate for your device

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



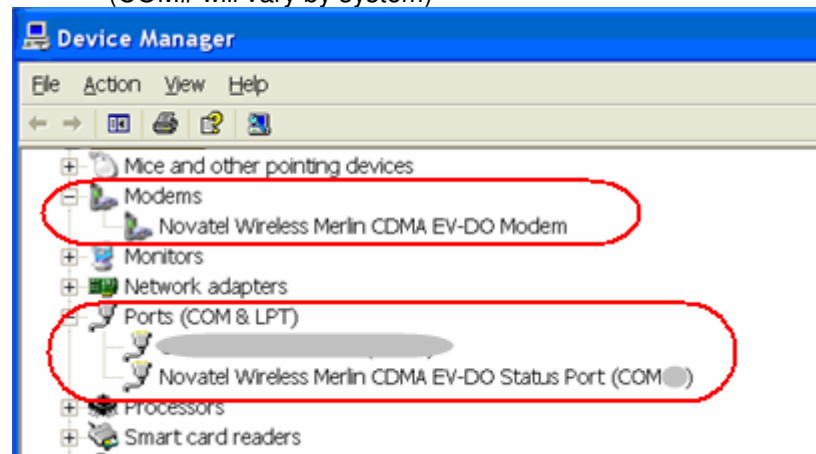
Safely Remove Device Icon will show in System Tray

**ExpressCard
Devices**

V640, V740
EX720
XV620, X720

2 Devices Must show

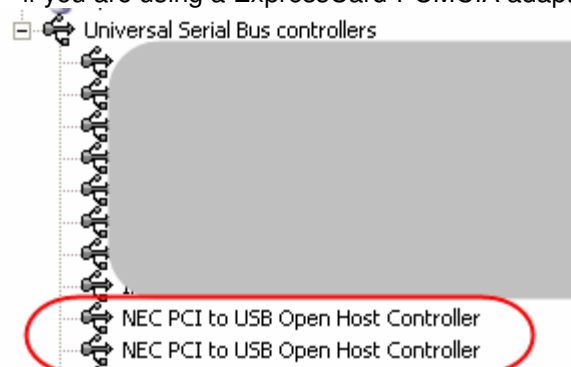
- Modem Section – Novatel Wireless Merlin CDMA EV-DO Modem
- Ports Section – Novatel Wireless Merlin CDMA EV-DO Status Port (COM# will vary by system)




- 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



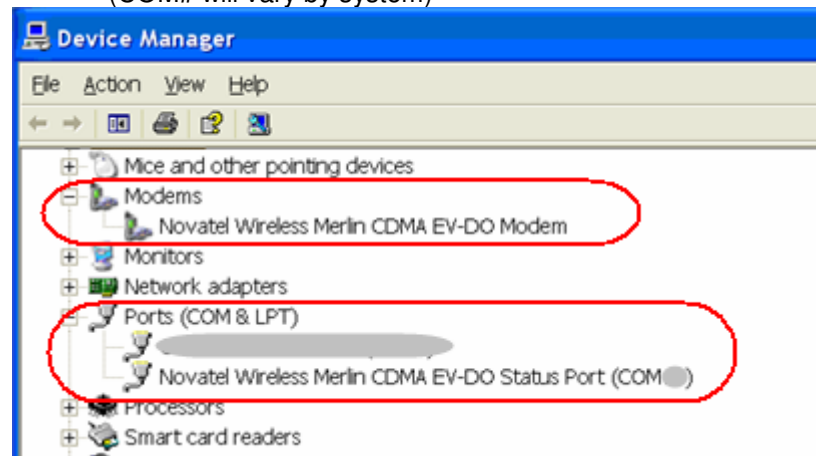
-  Safely Remove Device Icon will show in System Tray

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