

Modem Installation Guide

Hardware Installation

1. Turn the computer off before installation. Connect the USB or Ethernet cable to the modem and to the corresponding port on the PC.

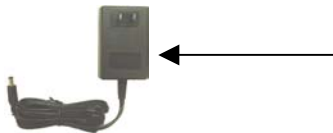


USB Cable



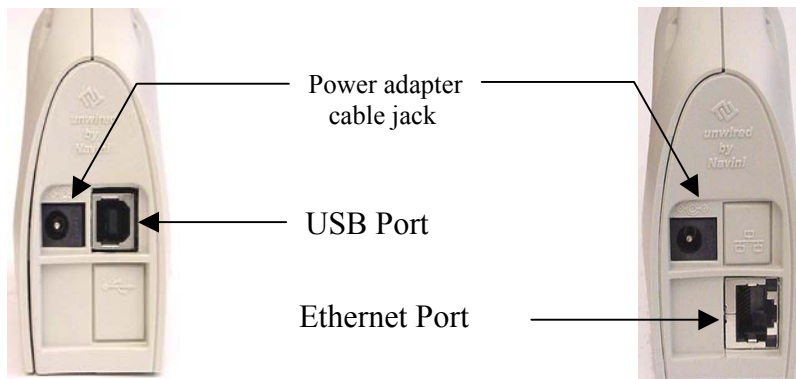
Ethernet Cable

2. Connect the AC power adapter to the modem and to a 110 VAC outlet.



3. Place the modem upright, and rotate the antenna clockwise to the UP position.

4. Push the On/Off switch on the modem to turn the modem ON. The lower indicator light on the modem illuminates green.



Set the power switch on the computer to the ON position. When the system is up, log in to the computer.

For an Ethernet connection, go to the Monitor Software Installation section. For a USB connection, Plug and Play will detect the new hardware – click Next in the Add New Hardware Wizard dialog box, and continue on with the hardware installation.

~~7.~~ Insert the Navini Networks Installation CD in the CD-ROM drive.

~~8.~~ Follow the instructions for the 'Add New Hardware Wizard' to install the device driver for the modem.

~~9.~~ Select the 'CD-ROM drive' checkbox. Click Next to continue.

~~10.~~ Restart the computer and proceed to the Navini Monitor Software Installation.

Monitor Software Installation

The Navini Monitor software will only work on Windows operating systems. It is strongly suggested that users upgrade to Windows XP before using the modem and Monitor.

Shut down all programs before installing the Navini Monitor software. This includes all anti-virus software and firewalls. If you are connecting the modem to your computer through a router, hub, or switch the Monitor software will not function, but the modem will still pass data.

~~3.~~ Insert the Navini Networks Installation CD in the CD-ROM drive. Click Start > Run from the menu at the bottom left corner of your screen. In the Run window, enter e:\setup (where "e" represents the CD drive; use the letter representing your specific CD drive) in the Open field. Click OK.

~~4.~~ Follow the instructions for the 'Navini Monitor Installation Wizard' to install the Navini Monitor software.

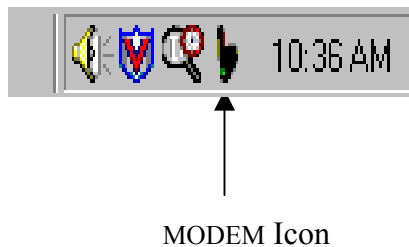
Restart the computer. When the system is up, log in to the computer and open the Web browser. BEGIN SURFING THE INTERNET!

Running the Navini Monitor Software

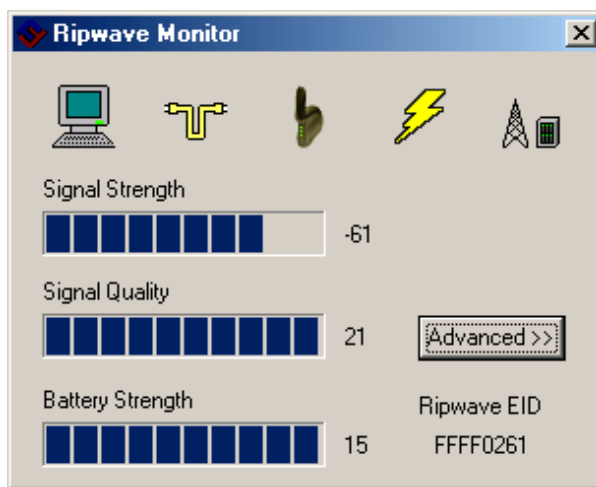
Connection speeds will vary significantly with signal quality. The modem will always deliver the highest speed it can attain at a given signal quality. It is vital that the modem be placed in the best possible position in order to deliver the best possible speed. The Navini Monitor will help you obtain the best signal quality in order to obtain the highest connection speeds.

The following steps will aid in displaying and using the Navini Monitor software.

1- To open the Navini Monitor, double-click on the Navini Modem icon in the toolbar tray on the computer.



2- The Navini Monitor window appears.



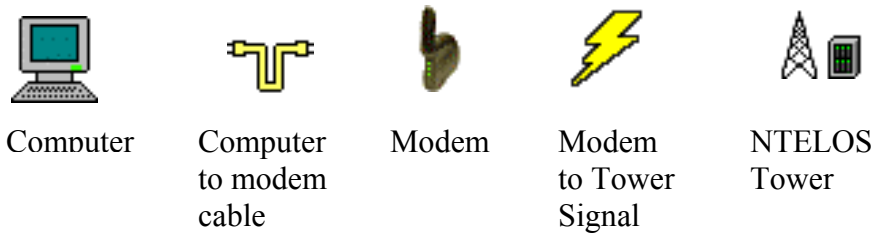
Important Note: In order to pass data back and forth to the Internet, the Signal Quality bar graph must remain steady above 12. If signal quality does not remain above 12, move the modem to a different location to improve reception.

Moving the modem to improve signal strength will improve signal quality.

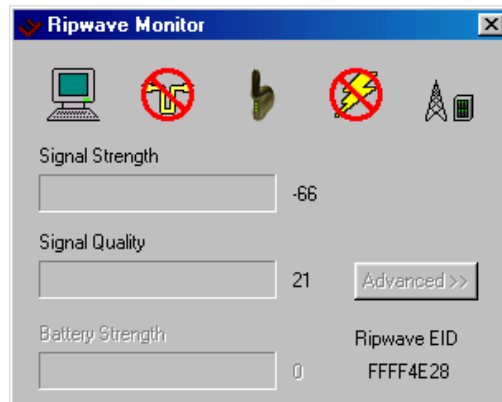
The Signal Strength bar graph will display a negative number between 0 and -112. A number closer to 0 (such as -85) will have better signal strength than a lower number (such as -105). Low signal strength does not necessarily equate to poor signal quality.

The Battery Strength bar graph and the number to the right of it indicate how much charge is left in the battery. The battery strength number range is between 0 (no charge) to 15 (full charge). Without a battery in the Navini Modem, the Battery Strength bar graph and number will be disabled (grayed out).

The icons shown across the top of the window represent each of the components and connections throughout the system:



If a problem is detected with one of these components or if a connection is down, a red circle with a slash will be positioned over the icon.



When the system is on, the Signal Strength and Signal Quality will be displayed as dynamic bar graphs in the window. To increase the strength and quality of the signal, change the location of the Modem. Try moving it closer to a window, to a higher location, away from other electronic devices (microwave ovens, computer monitors), and away from metal objects (shelves, file cabinets).

As the Navini Modem is repositioned, observe the Signal Strength and Signal Quality bar graphs. Position the Modem for maximum signal strength and quality. The numbers to the right of the Signal Strength and Signal Quality bar graphs and the Navini EID number are provided for troubleshooting purposes only. During troubleshooting, a technician may ask you for these numbers.

Modem Placement and Usage Tips *Important*

Connection speeds will vary significantly with changes in signal quality. The modem will always deliver the highest speed it can attain at a given signal quality. It is vital that the modem be placed in the best possible position in order to deliver the best possible speed.

- When inside a building or home, place the Navini modem as high as possible in a building window facing in the direction of the nearest NTELOS Portable Broadband broadcast tower. Upstairs floors are preferable to ground floor locations.
- Avoid placing the modem behind metal window screens. Nylon screens will not affect signal quality.
- If signal quality is poor, try moving the modem only a foot or two in one direction or another. Small changes in modem placement can often significantly improve reception. Play with modem locations until optimum signal quality can be found.
- The modem will not connect if moved more than 12 miles away from the nearest tower.
- The modem will not connect with the nearest tower if a hill is blocking the signal. Trees and foliage can slow down connection speeds, but usually will not completely prevent data transfer.
- You may check your modem speeds at <http://dsltest.ntelos.net>. Run the test several times to get accurate average speed readings.
- Your modem should remain on at all times if possible. If your modem does not immediately pass data, turn the power off and back on again.
- Please don't throw out the shipping box for your modem. You'll need it if you ever need to return your modem.