



AceView

User Guide

2120028
Rev 3.0B



>> AceView

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AceView is a small utility for viewing the status and monitoring the connection state of a Sierra Wireless Airlink modem with ALEOS™.

ALEOS™

ALEOS, the embedded core technology of the Sierra Wireless AirLink products simplifies installation, operation and maintenance of any solution, and provides an always-on, always-aware intelligent connection for mission-critical applications.

ALEOS enables:

- Persistent Network Connectivity
- Over-The-Air (OTA) Upgrades
- Wireless Optimized TCP/IP
- Real-Time Notification
- Real-Time GPS Reporting
- GPS Store and Forward
- Extensive Machine Protocols
- Packet Level Diagnostics
- Device Management & Control
- Protocol Spoofing

POWERED BY: ™

Figure 0-1: Powered by ALEOS

Obtaining and Installing AceView

AceView is offered for free. You can obtain the most recent version of AceView from the Sierra Wireless web site, <http://www.sierrawireless.com/support/AirLink/AceView.aspx>.

Tip: You can obtain the Microsoft .Net Framework, Microsoft Internet Explorer, and/or the latest ActiveX updates for Internet Explorer from Microsoft at: <http://www.microsoft.com/>.

Note: AceView requires the Microsoft .NET Framework and Microsoft Windows 98, Windows 2000, Windows XP, or later.

Connecting to your modem

You can use AceView to connect to your modem if it is connected directly to your computer's Ethernet port, serial port, or USB.

Start > All Programs > AirLink Communications > AceView > AceView

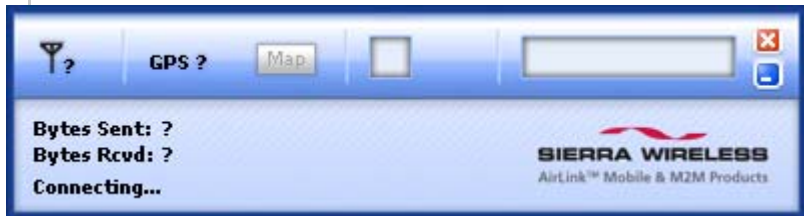


Figure 0-2: Opening Screen

When AceView first opens, it will try to establish a connection with your modem using the last connection settings used. If this is the first time you use AceView, it will be looking for your modem using the default local IP address address.

Caution: It is possible to connect to an AirLink modem remotely with AceView; however since AceView updates frequently, connecting to a remote modem could result in a high usage charges.

If you are not using the default IP address or if you need to connect to the modem using DUN, right-click on the AceView window to open the menu.

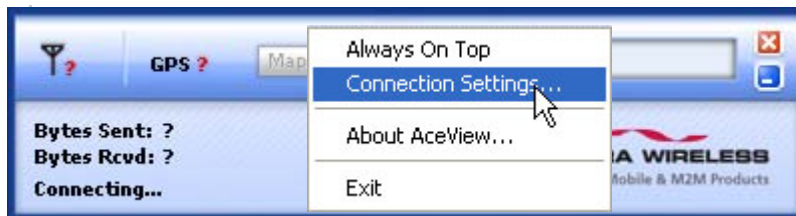


Figure 0-3: Menu

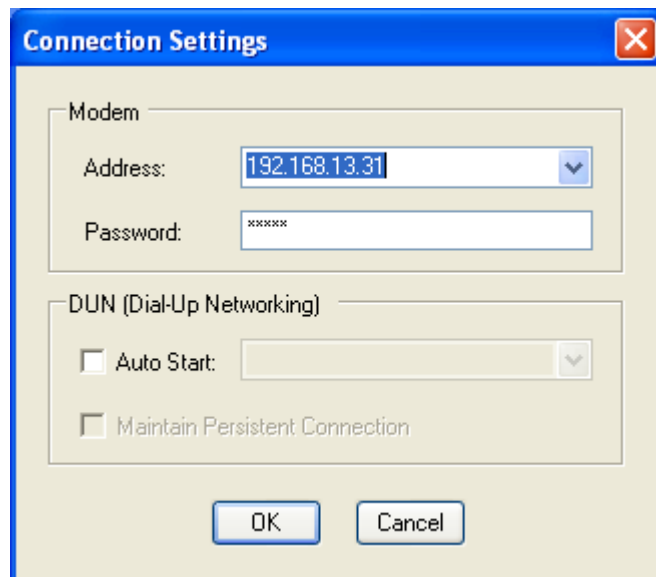


Figure 0-4: Connection Settings

Address: If you have a modem connected directly to your computer's Ethernet port or on your local area network (LAN), you can use the local IP address of the modem to contact it. The default local IP address is 192.168.13.31.

Tip: If you have used AceView to connect to a modem in the past, the connection you used will be available with the drop down menu for your convenience. Select the IP address you need.

Password: Enter the password for the modem. Default password: 12345.

DUN - Auto Start: If your modem is connected directly to your computer with a serial cable, you can use a Dial-Up Networking (DUN) connection to connect to the modem using PPP. Select the DUN connection you have already installed on

Note: When using the DUN connection, make sure the IP Address is set to the local IP address of the modem.

your computer from the drop down menu once you select Auto Start. You may only have 1 selection which would be preselected for you.

DUN - Maintain Persistent Connection: When checked, AceView will continually check the DUN connection to ensure it is not down. If so, AceView will attempt to connect again.

Tip: If DUN is not installed on your computer for your modem, you can install it using the Setup Wizard for your modem, also available on the AirLink web site: <http://www.airlink.com>.

Once you have configured the connection settings, click OK. AceView will connect to your modem.

DUN with Windows 98 and Windows NT

The direct DUN connection from AceView is not available in Windows 98 or Windows NT. You will need to establish a Dial-Up Networking connection first with the modem and then use the local IP address as above.

AceView Interface Features

Some of the display elements will change depending on your modem type.

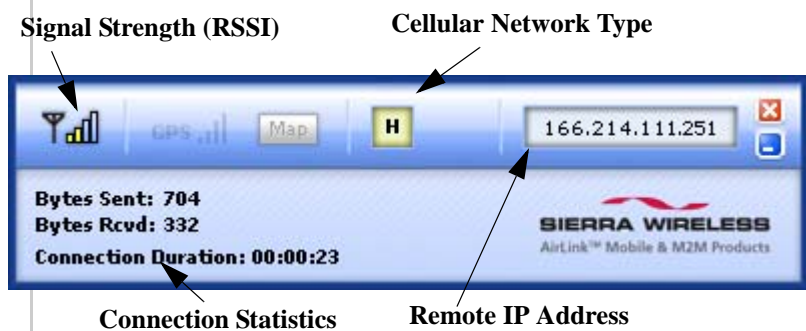


Figure 0-5: Example of a Raven X HSDPA

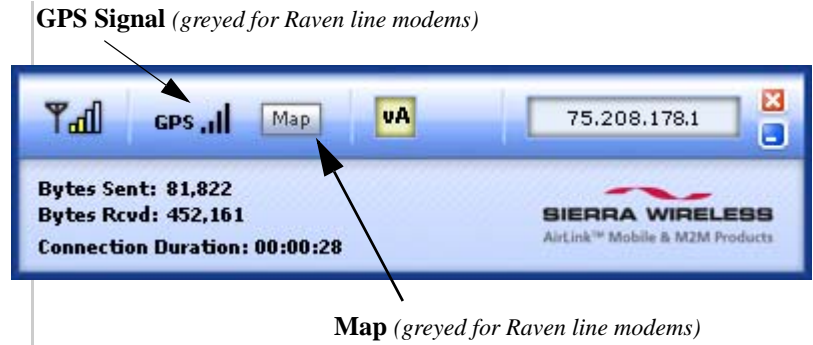


Figure 0-6: Example of a PinPoint X EV-DO Rev A

- Signal Strength:** The strength of the cellular signal is indicated by the number of bars. For one (red) and two (yellow) bars, the signal is minimal. Three to four bars is in the preferred signal range. There are different signal strength values that triggers the numbers of bars.

Tip: Hover your mouse over the signal bars to display the RSSI value. RSSI is expressed in reverse notation, as a negative number. The closer the number is to zero, the better the signal.

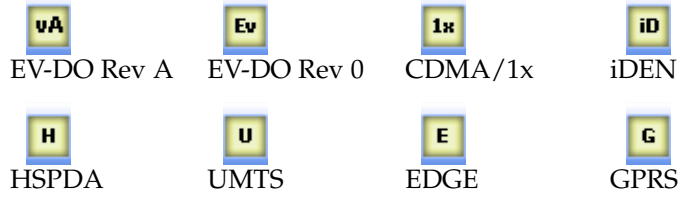


Figure 0-7: Signal Strength

RSSI <= -100	
RSSI <= -90	
RSSI <= -80	
RSSI <= -70	
Registered (Network Ready or Dormant) and other RSSI	
Error	
Not Registered (not Network Ready or not Dormant) RSSI <= -110 or =0	

Figure 0-8: Signal Strength and bars

- Cellular Network Type:** The Network type (example: 1x) will be indicated by one or two letters.



- **Connection Statistics:**
 - *Bytes Sent and Recvd:* The total bytes sent to and received from the cellular network for the current connection.
 - *Connection Duration:* The duration of the connection between AceView and the modem.



Figure 0-9: Statistics

- **Remote IP Address:** The IP Address assigned to your modem by your cellular provider.

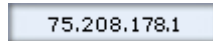


Figure 0-10: IP Address

- **GPS Signal (PinPoint line modems only):** The strength of the GPS signal is indicated by the number of bars. This icon is greyed out on the Raven line modems.

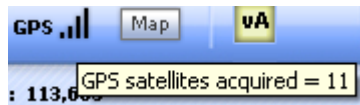


Figure 0-11: GPS Signal

Tip: Hover your mouse over the GPS signal bars to display the number of GPS satellites acquired. Four satellites is considered a minimum for effective GPS reception.

- **GPS Coordinates Map (PinPoint line only):** If you have a GPS fix, click on the map to display a map with your position. See “GPS Mapping (PinPoint Line only)” on page 10. This icon is greyed out for modems with GPS.
- **Always on Top:** If you want the AceView window to always show on your desktop, over other windows that may be open, right-click and select Always On Top from the menu. You can still minimize the window, but when

you display the AceView window it will return to being on top.

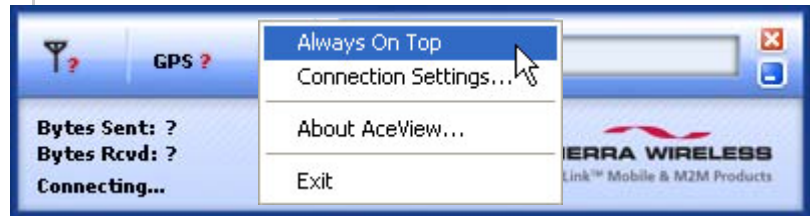


Figure 0-12: Always On Top

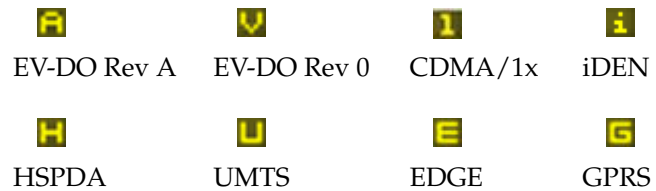
System Tray Icon

While AceView is running, a quick reference icon will be displayed in the system tray (the area near the clock, opposite the "Start" button).



Figure 0-13: Example of an HSDPA Tray Icon

The icon's bars denote the signal strength. The symbol above the bars denotes the connection type (the symbols below have been expanded for visibility).



Hover your mouse over the Tray Icon to display basic information: Modem type, Online status, RSSI, and network IP address.



Figure 0-14: Tray Icon - Mouse Over

Note: You will need to have an active Internet connection to use the map feature. The speed of the map drawing depends on your connection speed.

Tip: *If the AceView window is minimized, double-click the tray icon to restore it.*

GPS Mapping (PinPoint Line only)

AceView can place the coordinates of a GPS enabled modem on a map.

When you click the Map button, a map will open in a separate re-sizable window with the location of the modem noted by an icon placed over the relevant area.

Using the compass arrows or slider bar in the window, you can move the viewable map or change the zoom level. Hover your mouse over the location icon to display the GPS coordinates of the modem.

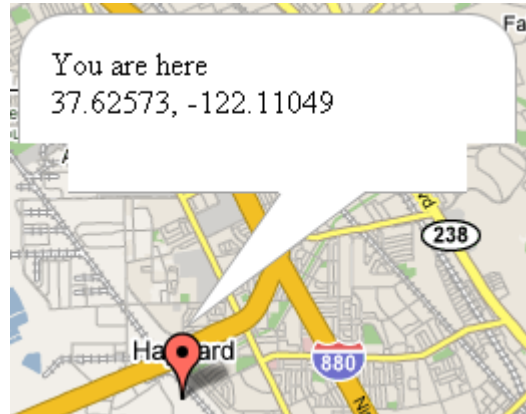


Figure 0-15: GPS Coordinates

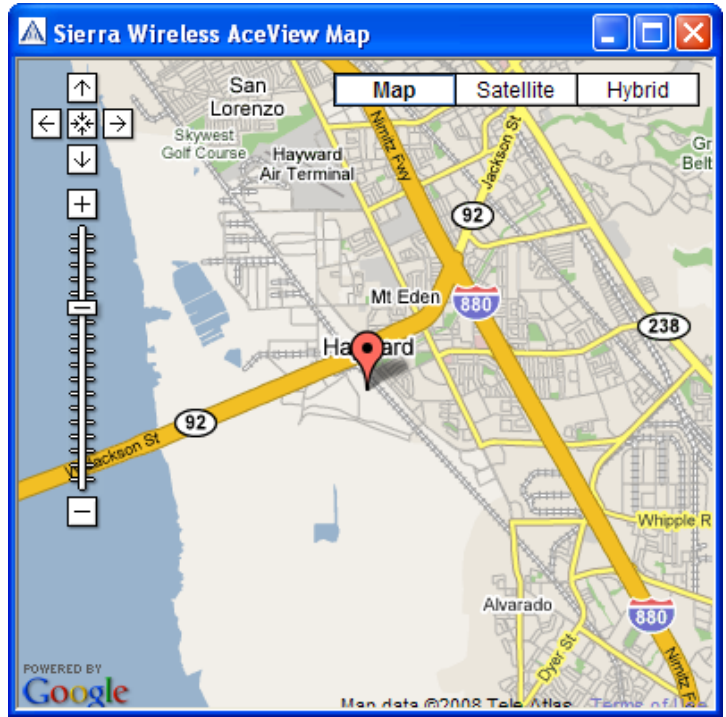


Figure 0-16: Map View

Important Notice

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices such as the Sierra Wireless AirLink AceView are used in a normal manner with a well-constructed network, the Sierra Wireless AirLink AceView should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Sierra Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the Sierra Wireless AirLink AceView, or for failure of the Sierra Wireless AirLink AceView to transmit or receive such data.

Safety and Hazards

Do not operate the Sierra Wireless AirLink AceView in areas where blasting is in progress, where explosive atmospheres may be present, near medical equipment, near life support equipment, or any equipment which may be susceptible to any form of radio interference. In such areas, the Sierra Wireless AirLink AceView **MUST BE POWERED OFF**. The Sierra Wireless AirLink AceView can transmit signals that could interfere with this equipment.

Do not operate the Sierra Wireless AirLink AceView in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, the Sierra Wireless AirLink AceView **MUST BE POWERED OFF**. When operating, the Sierra Wireless AirLink AceView can transmit signals that could interfere with various onboard systems.

Note: Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. Sierra Wireless AirLink AceView may be used at this time.

The driver or operator of any vehicle should not operate the Sierra Wireless AirLink AceView while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some states and provinces, operating such communications devices while in control of a vehicle is an offence.

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5,515,013	5,629,960	5,845,216	5,847,553	5,878,234
5,890,057	5,929,815	6,169,884	6,191,741	6,199,168
6,339,405	6,359,591	6,400,336	6,516,204	6,561,851
6,643,501	6,653,979	6,697,030	6,785,830	6,845,249
6,847,830	6,876,697	6,879,585	6,886,049	6,968,171
6,985,757	7,023,878	7,053,843	7,106,569	7,145,267
7,200,512	D442,170	D459,303		

and other patents pending.

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