

Remote Data Collection Options for the NOMAD 2

With one of the communication options below installed in the NOMAD 2 data logger, your wind data is instantly accessible at remote locations.



Download Data Files

With a remote connection, you can communicate with the logger as if it were right next to you. All of the files on the Compact Flash card can be viewed and downloaded remotely, including NOMAD 2 data files, the log file - which keeps track of all the logger's activity, and the Site & Input and Communication Configuration files.

View Live Data

Dial the NOMAD 2 from your office computer to view real-time data from all sensors. Use the *Zoom Inputs* button in Nomad Desktop to make sure all devices connected to the logger are functioning properly and to check the battery voltages. Use the *Zoom Nomad2* button to view the amount of space remaining on the Compact Flash card, the local time at the logger, the version of firmware running on the logger, and more.

Receive Data via E-Mail

Need to get your data every day but don't have the time to make the call? Have the NOMAD 2 send your data to you - as an e-mail attachment. Your data will be delivered to your e-mail inbox and waiting until you are ready to view it.

Upload New Configurations

Any changes that need to be made to the logger's configuration, such as adding data tracks or adjusting the logger's internal clock, can be done remotely by sending the NOMAD 2 a new configuration file. New firmware releases from Second Wind can also be uploaded remotely. Verify that the changes have been made by checking the Compact Flash card for the accepted file.



CDMA (Code Division Multiple Access) is a digital cellular network available in North America, South America, Australia, and Asia. CDMA technology features high data transfer rates and very low power consumption. Common service providers in the USA include Verizon Wireless, Sprint, and Attel.



GSM (Global System for Mobile Communications) is a digital cellular network most prevalent in Europe, but becoming more available in North America and around the world. Set-up is easy: account information is stored on a SIM card that is inserted into the modem.



AMPS (Advanced Mobile Phone System) is an analog cellular network available in most North American locations where digital service has not yet become available. The AMPS network has lower data rates and higher power requirements than digital service, so it is only recommended where digital service is not available.



POTS (Plain Old Telephone System) is the standard analog system that home telephones use. The POTS modem can be used at locations that have a landline nearby.



Satellite modems use the Iridium Satellite System, a mobile satellite voice and data network with complete coverage of the Earth, including polar regions, utilizing a constellation of 66 low-earth orbiting satellites. Satellite service is a good solution for locations that are too remote to visit and have no cellular coverage.



Radios can connect to the modem port on the NOMAD 2's interface board. We recommend 900 MHz spread spectrum radios with an RS-232 serial cable, that communicate at 115k, 19k, or 9600 baud. Radios can operate at ranges up to 20 miles line-of-sight, and are a good option if a constant display of live data is desired.