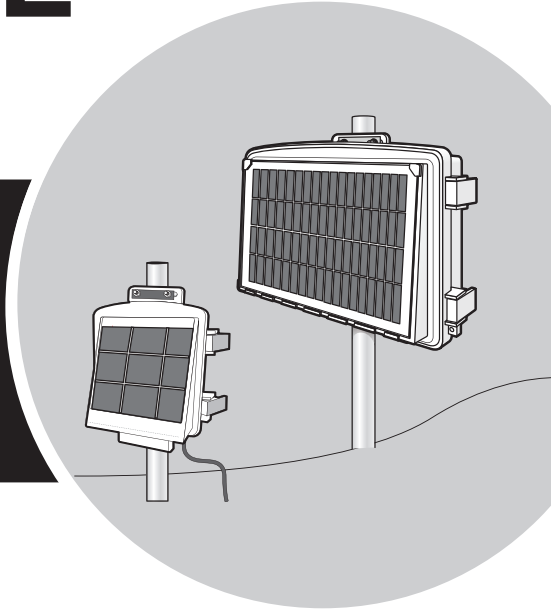


USER MANUAL

Gateway and Node



ENVIROMONITOR[®]

Product numbers 6800, 6801 and 6810

Este manual está disponible en español en www.davisnet.com.

Este manual está disponível em Português no www.davisnet.com.

Ce manuel est disponible en français sur davisnet.com

DAVIS  [®]

Davis Instruments, 3465 Diablo Avenue, Hayward, CA 94545-2778 U.S.A. • 510-732-9229 • www.davisnet.com



FCC Part 15 Class B Registration Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference received, including inference that may cause undesired operation.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modification not expressly approved in writing by Davis Instruments may void the warranty and void the user's authority to operate this equipment.

FCC ID: IR2DWW6800, IR2DWW6801, IR2DWW6810, R17CE010-Dual and R17HE910.

IC: 3788A-6800, 3788A-6801, 3788A-6810, 5131A-CE910-Dual and 5131A-HE910.



EC-Declaration of Conformity

Directive 2014/53/EU (RED Directive)

Manufacturer/responsible person: Davis Instruments
Compliance Engineer
3465 Diablo Ave., Hayward, CA 94545 USA

Declares that the product:
6800, 6801 and 6801

Complies with the essential requirements of

RED 2014/53/EU Directive, if used for its intended use and that the following standards have been applied:

1. Health (Article 3.1.a of the R&TTE Directive)
Applied standard(s) (EC recommendation 1999/519/EC)
2. Safety (Article 3.1.a of the R&TTE Directive)
Applied standard(s) (EN 60950-1:2006/A11:2009/A12:2011)
3. Electromagnetic compatibility (Article 3.1.b of the R&TTE Directive)
Applied standard(s) (EN 300 330, V1.8.1; EN 300 220-2, V2.4.1; EN 301 489-3, V1.6.1; EN 301 489-17, V2.2.1.
4. Efficient use of the radio frequency spectrum (Article 3.2 of the R&TTE Directive)
Applied standard(s) (EN 301511, V9.0.2)
5. EN 300 328, V1.9.1 and EN 301 489-17, V2.2.1 BTLE
6. EC EMC Directive 2004/108/EC.
7. Low Voltage Directive 2006/95/EC.

Power Output: see page 21: **Specifications**

The technical documentation relevant to the above equipment will be held at:
Davis Instruments at 3465 Diablo Ave, Hayward CA 94545

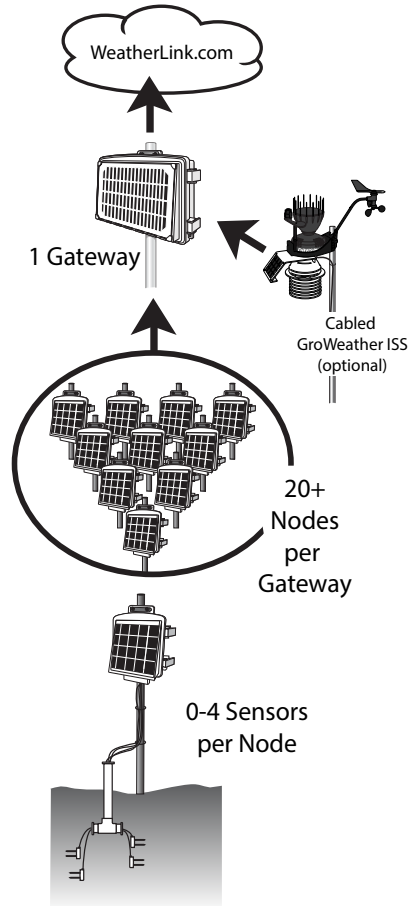
Welcome to Your EnviroMonitor System

An EnviroMonitor System includes a Gateway and a number of Nodes, each with up to four sensors that form an advanced mesh network operating at 902 - 928 MHz (868 MHz in the EU). The Nodes transmit the sensor data to a “mesh parent,” either the Gateway or another Node. The Gateway then sends the data via cellular connection to WeatherLink.com.

EnviroMonitor can be customized for different sized installations. Each Gateway can receive 20 or more Nodes. Additional Gateways can be added to your account to receive data from another set of Nodes.

A Davis cabled GroWeather Sensor Suite can also be plugged into the Gateway.

This manual will show you how to set up both the EnviroMonitor Gateway and Nodes. If you are just installing a Node and have already installed the Gateway, you can skip to page 12: **Set Up Nodes and Sensors**.



The steps for setting up your EnviroMonitor system:

1. **Plan:** What sensors do you need and where? Decide where you will install the Gateway and Nodes. *See page 2: Planning Your System.*
2. **Power up** your Gateway. *See page 7: Power-up and Connect your Gateway.*
3. **Connect** your Gateway to WeatherLink.com with the EnviroMonitor app.
4. **Mount** the Gateway. *See page 9: Mount the Gateway.*
5. **Power up** the Node. *See page 13: Power-up and Connect the Node.*
6. **Connect** the Node to the Gateway with the EnviroMonitor app.
7. **Mount** the Node. *See page 16: Mount the Node.*
8. **Add and Install** the sensors with the EnviroMonitor app.

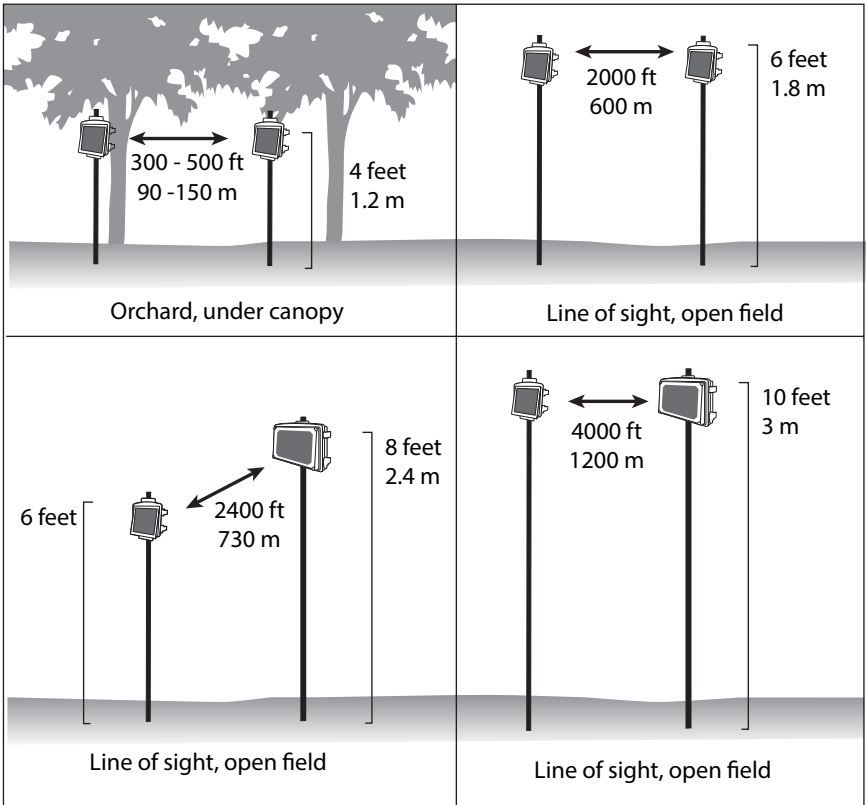
Planning Your System

Before installation, plan your system. After determining which sensors you want and where you want to install them, make sure you have the correct number of Nodes to support those sensors.

The maximum distance between two Nodes and a Gateway and a Node will vary depending on many factors including environment, height, terrain and RF noise.

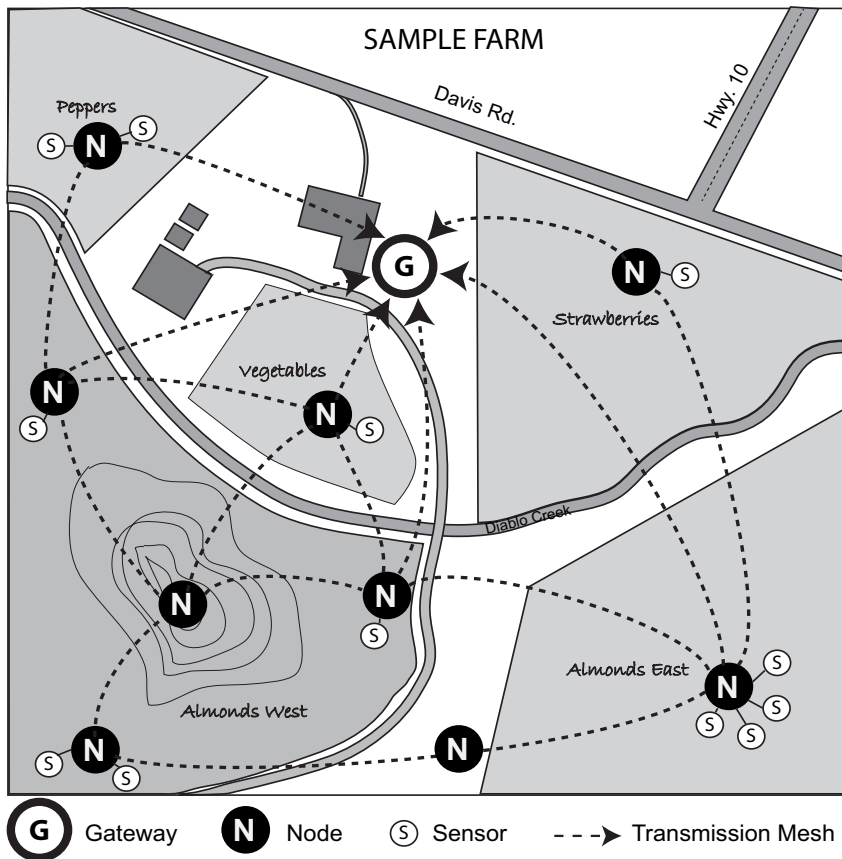
To get optimal transmission range:

- Ideally, locate the devices with unobstructed lines of sight between them. A large hill or large metal barrier will block signals. If transmitting under a canopy or in an orchard, range will be reduced.
- Mount the devices as high above the ground as possible. The higher they are mounted, the longer the transmission distance, as shown below.
- Try to mount the Gateway on a rooftop or pole so that it has a good “view” of the area where the Nodes will be mounted.



Make a Sketch

It is helpful to make a sketch of your installation to get an idea of where the Gateway and Nodes should go.



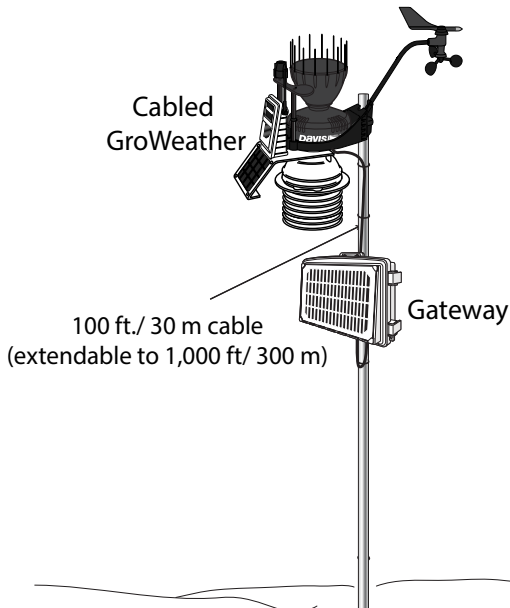
Tips for Siting the Gateway and Nodes

Siting the Gateway

- The Gateway should be mounted where it has the strongest cellular connection and a clear, open “view” of the sky with good sunlight for the solar panel.



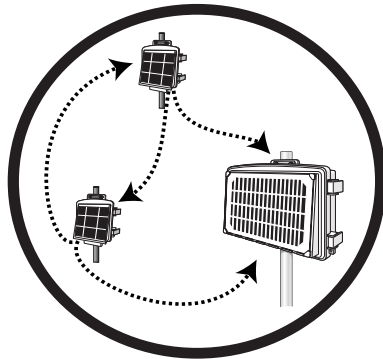
- You may plug a cabled GroWeather weather station directly into your Gateway. If so, you will need to choose a location that is within reach of the weather station’s included 100’/30 m (extendable up to 1,000’/300m) cable. See page 11: **Add a GroWeather Integrated Sensor Suite (optional)**.



Note: The radio in the Gateway is not compatible with the radio in wireless Vantage Pro2 stations.

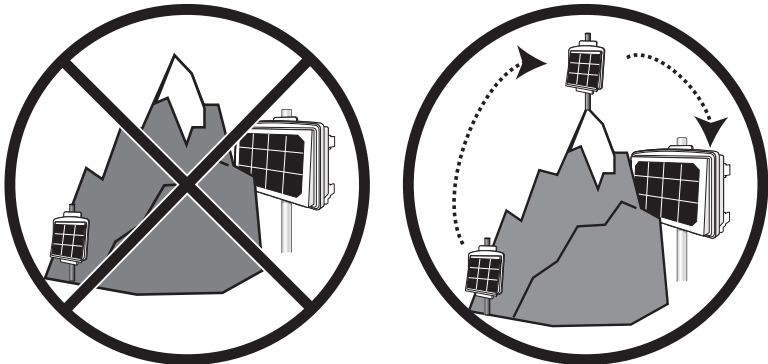
Siting the Nodes

- Ideally, the mesh network will be most effective at “self healing” any temporarily impaired transmission paths if each Node has more than one way to reach the Gateway. While the system is designed to handle a mesh, a “star” or nodes in single lines, it is a good idea whenever possible to site each node so that it is within transmission distance of either two (or more) other Nodes, or the Gateway and another Node. A Node can even be installed simply to transmit data from more distant Nodes to the Gateway, without any sensors installed in it. By planning the system’s “transmission mesh,” data can be relayed in from the most remote corner of your installation.



The best installations allow Nodes to transmit to more than one Node or to a Node or Nodes and the Gateway.

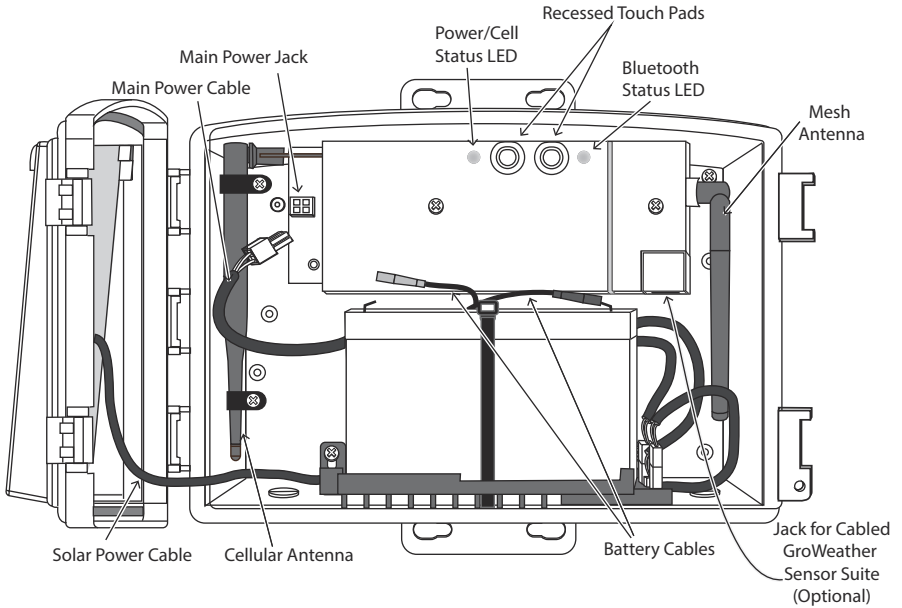
- Nodes can also be used to transmit data around or over obstacles, such as hills.



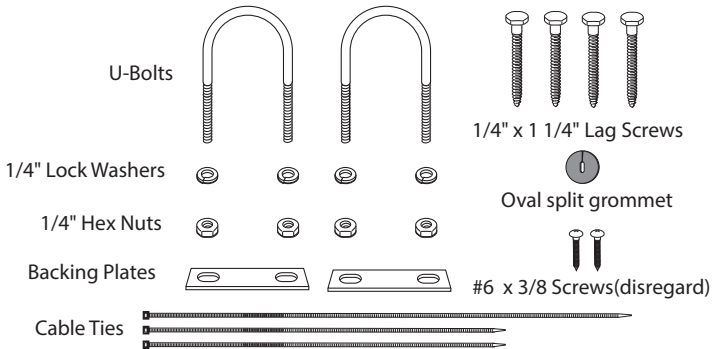
Get around an obstruction by using a Node with no sensors as a relay.

Set up your Gateway

Contents of Gateway



Hardware kit



Gateway Requirements & Tools

- CDMA (6800) or 2G/3G (6801) cellular network coverage in the area where the Gateway will be installed
- Smartphone
- Mounting pole or post
- Wrench
- Power drill if using lag screws

Power-up and Connect your Gateway

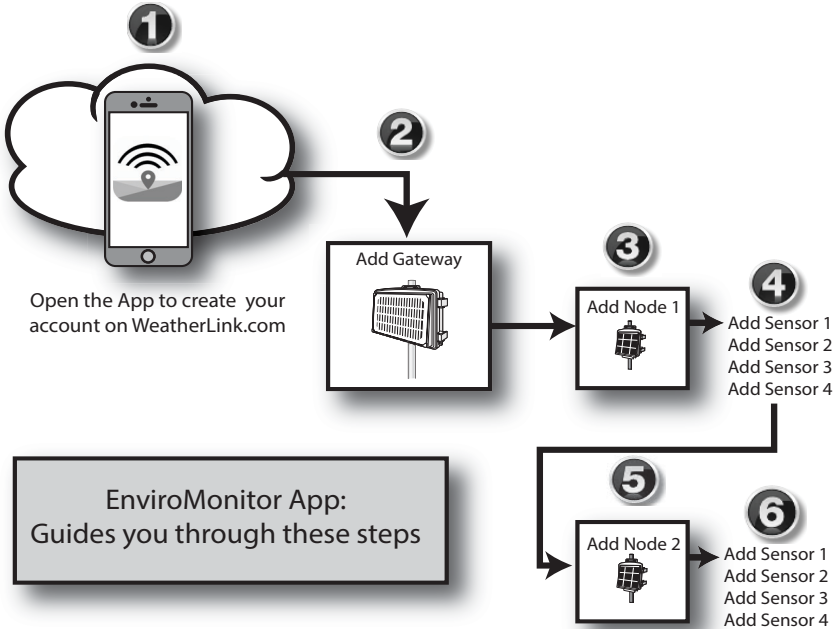
Install the EnviroMonitor App

1. Install the EnviroMonitor app on your Smartphone. Find the app by searching for the Davis EnviroMonitor app in the iOS App Store or Google Play Store.



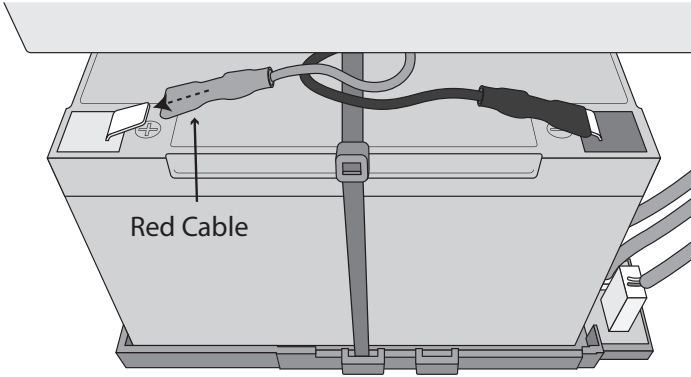
EnviroMonitor App

The EnviroMonitor app will guide you through creating an account on WeatherLink.com, adding the Gateway, adding Nodes to the Gateway, and adding sensors to the Node.



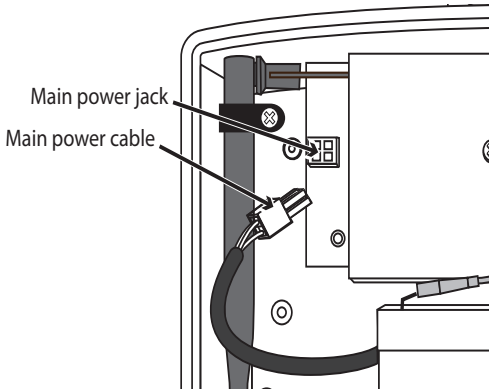
Power up your Gateway

1. Remove all cardboard and packing materials from inside the Gateway.
2. Connect the battery.
The Gateway is shipped with one battery cable (the red, or positive cable) disconnected to prevent battery drain. Connect the red cable to the red terminal.



IMPORTANT: If putting your Gateway into storage, disconnect the red cable.

3. Plug the main power cable into the jack.



Connect the Gateway to WeatherLink.com

1. Make sure the Bluetooth function on your smartphone is on.
2. Open the app and choose **Sign Up** to create an account, or **Log in** if you have already created an account
3. Tap **Add Gateway**.
4. Bring the phone close to the Gateway.
5. If a message appears that an upgrade has been detected, select **Upgrade**. Upgrading can take several minutes.


Tip: The Bluetooth LED flashes to show that the Gateway's Bluetooth is on. If it is not flashing, press the recessed touch pads. See the illustration on page 6: **Contents of Gateway** for the location of the recessed touch pads.

6. The LED will turn solid blue when the Gateway has successfully connected to your smartphone.
7. Once connected, enter a name for this Gateway. Choose a name based on the use or location so you can easily identify this Gateway if you install others.
8. Follow the prompts to finish adding the Gateway.
9. Once done, you will be prompted to add a Node. Before adding a Node, however, you should mount the Gateway.

Mount the Gateway

Confirm Cellular Strength

The best way to determine cellular connection is to take the Gateway to your proposed location and use the EnviroMonitor app to see the signal strength.

In the app, choose this Gateway. Open the Menu icon  in the upper right corner. Choose **Connection**.

- If the app shows cell connection, but the RSSI is less than 4, the cellular signal is present but weak. It may be strong enough to work, but it would better to find a location with a stronger signal -- 10 or higher is preferable. If there are large trees or buildings in the area, these may be obstructing the signal between the Gateway and the cell tower. Try changing the location so that the obstruction is avoided. If your selected location is in a low spot, try moving to a location that is higher.
- If the app shows no cellular signal at the chosen location, try a second choice location.

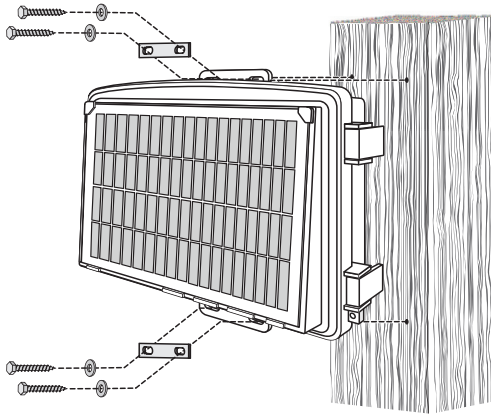
Remember to choose **Refresh** in the app and wait a few minutes to see the strength at the new location.

The Gateway can be mounted on a pole or a flat surface such as a wall or post. It is important that the Gateway be mounted so that the solar panel gets the greatest amount of sunshine: the solar panel should be facing south (in the Northern Hemisphere) or north (in the Southern Hemisphere).

Tip: Mounting the Gateway may be easier if done by two people.

Mounting on a Flat Surface

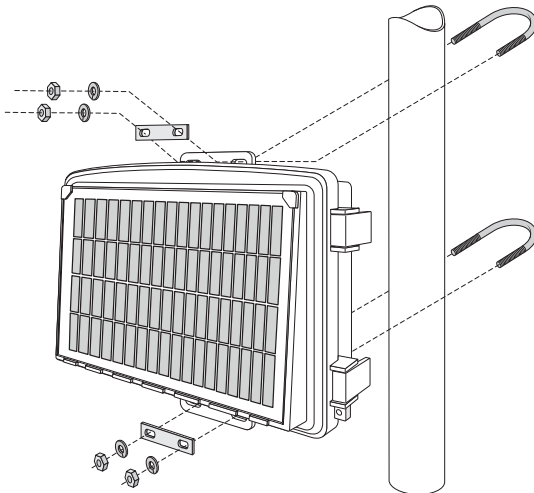
Attach the Gateway to the mounting surface in the desired location using the lag screws and backing plates as shown below. Use a pencil or a center-punch to mark the location of the pilot hole.



Mounting On a Pole

Mount the Gateway onto a pole with an outside diameter of 0.84" to 1.84" (21 mm to 47 mm) using the U-bolts, backing plates, washers, and hex nuts provided.

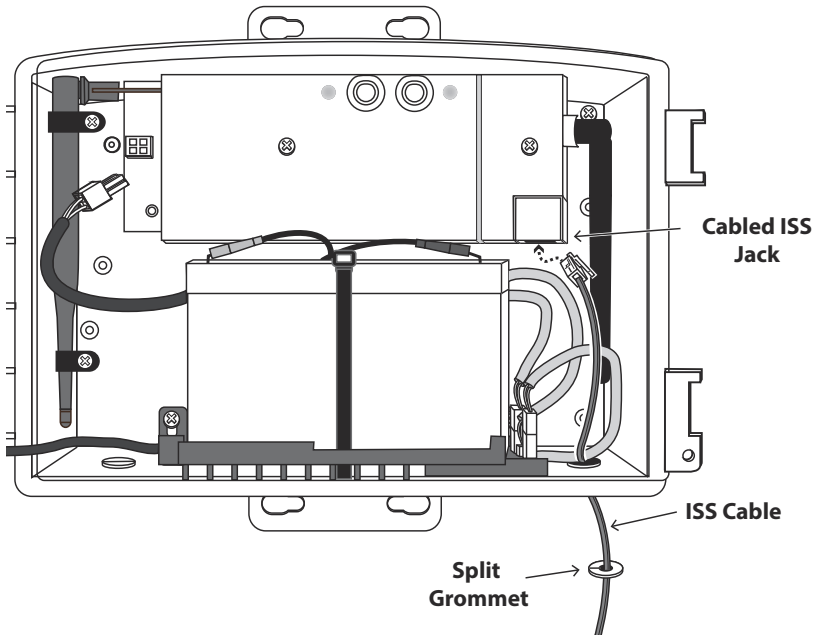
Note: For mounting on larger diameter pipes, the housing can accommodate U-bolts with 5/6" (8 mm) threads for pipes up to 2.40" (61 mm) outside diameter (not provided).



Add a GroWeather Integrated Sensor Suite (optional)

You can add a cabled Vantage Pro2 integrated sensor suite (ISS), such as GroWeather, to your system, which will report rain, wind, temperature, humidity and solar radiation data to the Gateway.

Note: The radios in wireless Vantage Pro2 integrated sensor suites are not compatible with EnviroMonitor.

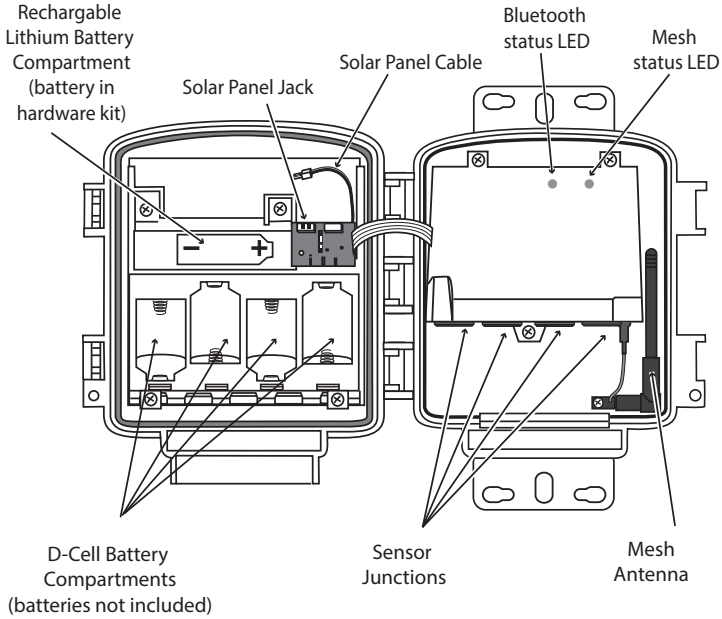


1. Open the Gateway door.
2. Remove the plug from one of the holes in the bottom of the Gateway and run the sensor suite cable up through it.
3. Outside the shelter, wrap a split grommet (included in hardware kit) around the cable and push the grommet securely into the hole. Plug the cable into the ISS cable jack.
4. Close the door.

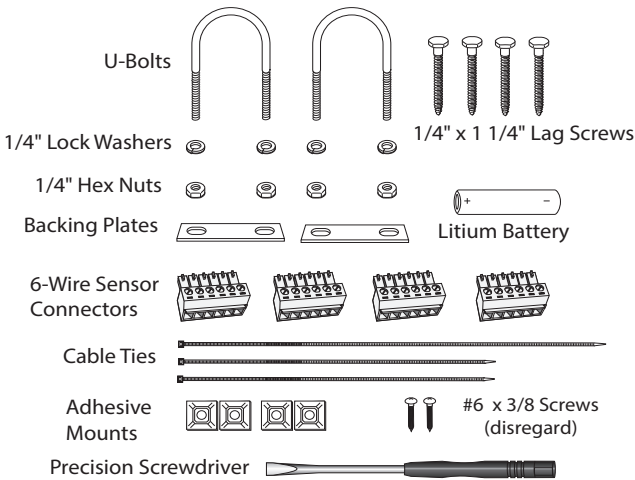
Note: Be sure to secure the sensor suite cable to the post or pole. You can use the included zip ties but do not use staples to secure the cable.

Set Up Nodes and Sensors

Contents of Node



Hardware Kit



Requirements & Tools for Installation of Nodes and Sensors

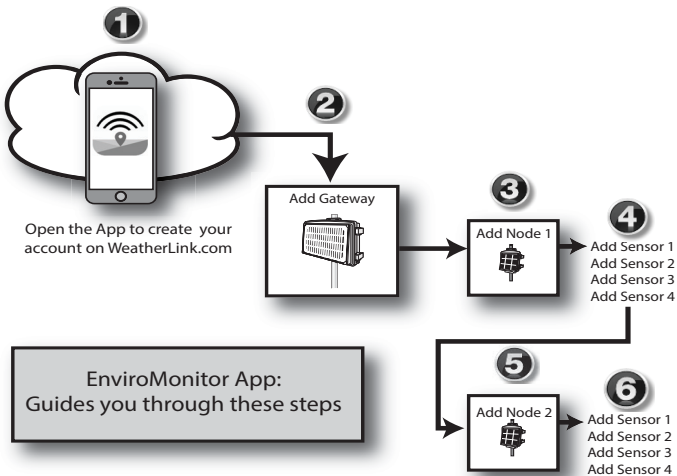
- Included precision/miniature slotted screwdriver; ideal size: 2.5 mm or 3/32"; see actual size image of screw head and screwdriver blade at right.
- Four D-cell batteries
- Smartphone with EnviroMonitor app installed. *See page 7: Install the EnviroMonitor App.*
- Wire cutter/stripper
- Mounting pole or post
- Wrench



Note: You should install Nodes starting with the Node that will be closest to Gateway, then working outward to the Node furthest from Gateway. This allows each Node to establish a connection with the Gateway or a Node that has already been installed.

Power-up and Connect the Node

Make sure the EnviroMonitor app has been installed on the smartphone you will be using to install the Node. It will guide you through adding Nodes to the Gateway that has already been installed.



Power Up the Node

1. Install the included lithium battery.

CAUTION: Make sure the battery is installed according to the + and - marks.

2. Plug in the solar panel cable. See the illustration on page 12: **Contents of Node.**
 3. Install 4 D-cell batteries making sure they are installed according to the + and - marks in the battery compartment. The Node will power up. The mesh status LED will indicate connection. See the illustration on page 12: **Contents of Node.**
-

Connect Node to Gateway

1. Take the Node and smartphone to the general location in which you wish to install your Node.
2. Make sure the phone's Bluetooth is on.
3. Open the app on the smartphone.
4. Open the door of the Node. (This turns the Node's Bluetooth on.) The Bluetooth status LED will blink blue. See the illustration on page 12: **Contents of Node.**
5. In the app, select the Gateway to which this Node will send its data.
6. Tap **Add Node**.
7. Bring the phone close to the Node.
8. Follow the prompts in the app as it finds the Node and connects it to the Gateway. This transmits the Gateway's identifying information to the Node and allows its data to be received by the Gateway. Having specific identification for each Gateway/Node pair allows you to have multiple Gateways without cross transmission.

Using the app, you will be see this Node's serial number appear on the list for the Gateway.

You will know the Node has found its "mesh parent" (a Gateway or another Node) when you see the Bluetooth status LED go solid blue. If it cannot "find" its parent, try moving the Node to a different location. If the location of the Node cannot be changed, consider installing another Node closer to the parent, to act as a repeater. It does not need to have any sensors installed.

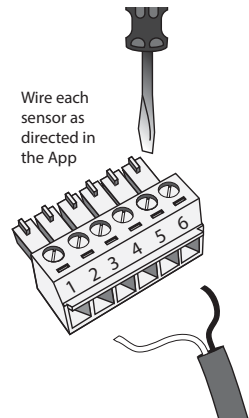
When the connection is complete, the mesh status LED will turn solid green. See the illustration on page 12: **Contents of Node.**

Install the Sensor(s)

The list of sensors your EnviroMonitor system supports is constantly growing. Check www.davisnet.com/em-sensors for the current list.

Each Node has four sensor junctions. You can install the sensors before or after mounting the Node. For example, if you plan to mount the node on a tower, you will want to install the sensor first.

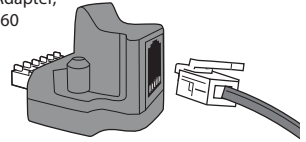
1. Install the sensor in the environment per the manufacturer's instructions, making sure the sensor is installed within cable reach of the Node when it is mounted.
2. On your smartphone, open the EnviroMonitor app and select this Node. Tap **Add Sensor**. From the menu, first select the sensor type, then the specific sensor. Follow the wiring diagram in the app to correctly wire the sensor into one of the 6-wire sensor connectors. Using a 2.5mm (3/32") precision slotted screwdriver, loosen the appropriate screws and insert the bare wires. Tighten the screws.



-
3. Insert the 6-wire sensor connector into the sensor junction indicated by the app.

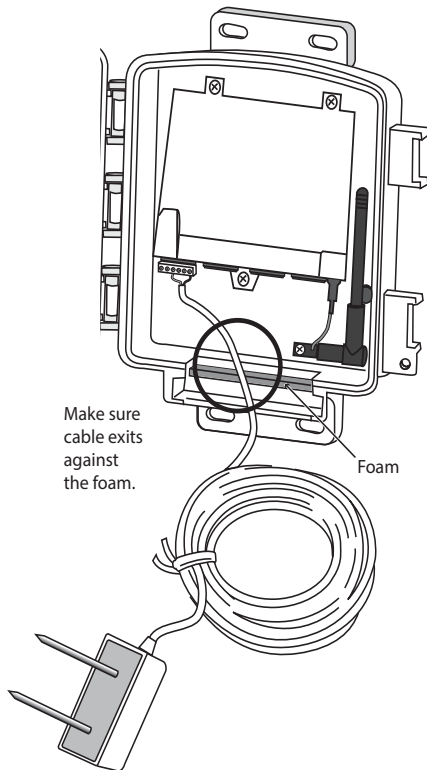
Note: If the Davis sensor has an RJ-plug on its cable, use the Davis RJ Adapter, product number 6860. Or, you can remove the plug and strip the wires.

RJ Adapter,
#6860



Try not to strip the covering back so far that the bare wires can touch each other when the connector is plugged in, but make sure the clamp in the sensor junction is closing on wire, not plastic. (About 1/4" [6.4 mm] of exposed wire is ideal.)

4. Run the sensor cable down and out of the box through the bottom. **Make sure it will be enclosed by the foam when the Node door is closed.**
5. When all sensors are installed, close the Node door, making sure all cables are against the foam and not the hard plastic of the door. Use included zip ties and adhesive mounts if desired.



Mount the Node

The Node can be mounted on a pole or a flat surface such as a wall or a wooden post.

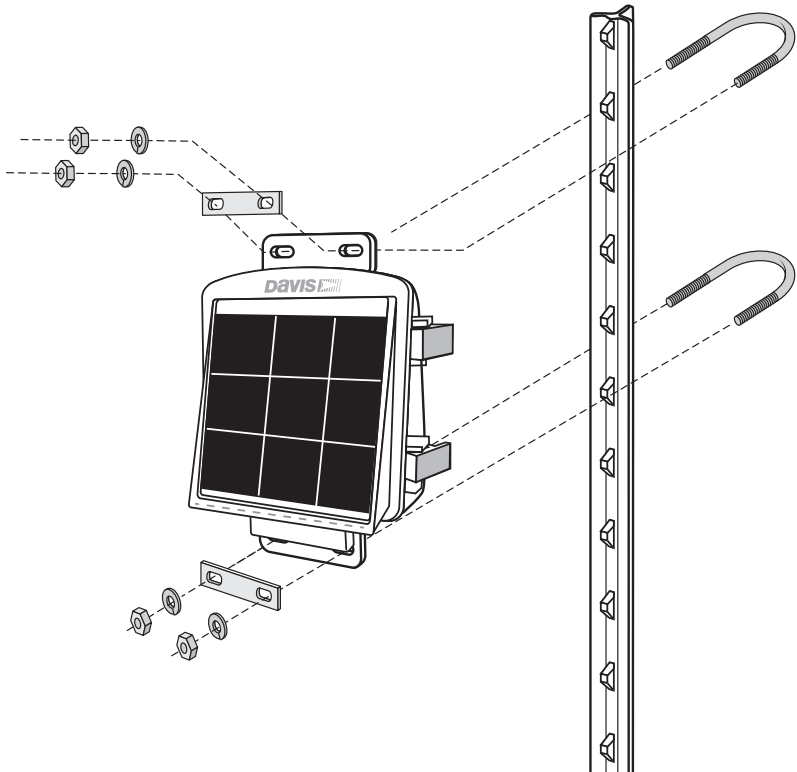
It is important that the Node be mounted so that the solar panel gets the greatest amount of sunshine -- the solar panel should be facing south (in the Northern Hemisphere) or north (in the Southern Hemisphere).

Tip: *Mounting the Node may be easier if done by two people.*

Mounting On a Fence Post or Pole

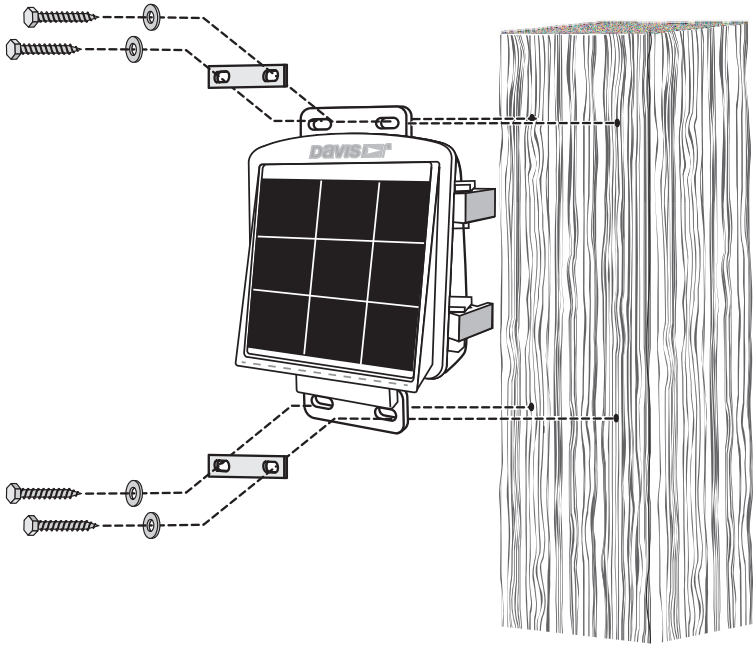
Mount the Node onto a fence post or a pole with an outside diameter of 0.84" to 1.84" (21 mm to 27 mm) using the U-bolts, backing plates, washers, and hex nuts provided.

Note: For mounting on larger diameter pipes, the housing can accommodate U-bolts with 5/6" (8 mm) threads for pipes up to 2.40" (61 mm) outside diameter (not provided).



Mounting on a Flat Surface

Attach the Node to the mounting surface in the desired location using the lag screws and backing plates as shown below. Use a pencil or a center-punch to mark the location of the pilot hole.



Manage Your Data

Log on to WeatherLink.com to view and manage your data.

You can also use view and manage your data on your smartphone with the Mobilize app. Find the app by searching for Davis Mobilize in the iOS App Store or Google Play Store.

You can also use Davis's Integrated Pest Management (IPM) software with EnviroMonitor to manage pest and disease risk for your specific crop. Available for Grapes, (prod. no. 6571), Apples and Pears (prod. no. 6572), Stone Fruits (prod. no. 6573), and Nut Trees (prod. no. 6574).



Download the
Mobilize App

Maintenance

The solar panel on your Gateway or Node will perform well even with dust on it. However, you can keep the panel charging optimally by periodically cleaning any bird droppings, heavy dust, dirt, snow, leaves, or insect nests or webs from the solar panel. The frequency of cleaning will depend on your installation, but at least once a year. Those near roads or railroad tracks, for example may collect more dust and dirt than those in the center of a field. Use a soft, damp cloth to remove any debris from the solar panel.

Troubleshooting

Gateway

? *What do the Gateway status LEDs indicate?*

Gateway Status LEDs		
LED Behavior	Indicates	What to do
No BLE (Bluetooth) LED.	Bluetooth radio is in low-power mode.	Touch the recessed touch pads. See the illustration on page 6: Contents of Gateway.
BLE (Bluetooth) LED flashes blue.	Gateway is ready to connect to the EnviroMonitor app.	Use the EnviroMonitor app to configure the Gateway.
BLE (Bluetooth) LED is solid blue.	The Gateway is connected to the EnviroMonitor app.	
No Cell LED.	Cell LED has timed-out to save power.	Touch the recessed touch pads. See the illustration on page 6: Contents of Gateway.
Cell LED is solid amber for 3 seconds when powering up.	The Gateway is powering up.	
Cell LED is blinking green.	The Gateway is trying to connect to the cell network and WeatherLink.com.	Wait for the LED to turn solid green.
Cell LED is solid green.	Connected to WeatherLink.com.	
Cell LED is blinking amber.	The Gateway is trying to connect to WeatherLink.com but battery is low.	Charge battery. See page 19: What do I do if my Gateway battery is low?
Cell LED is solid amber.	Connected to WeatherLink.com but battery is low.	Charge battery. See page 19: What do I do if my Gateway battery is low?
Cell LED is blinking red.	The Gateway cannot access the cell network or WeatherLink.com.	See page 19: My Gateway can't access the cell network or WeatherLink.com.
Cell LED is solid red.	The Gateway has not been configured in the EnviroMonitor app.	Use the EnviroMonitor app to configure the Gateway.

? *My Gateway can't access the cell network or WeatherLink.com*

Have you configured your Gateway in the EnviroMonitor app? If you have done so and the cell LED blinks red, your Gateway may be installed in a poor cellular coverage area. Leave the Gateway in place for at least 30 minutes to see if it can connect. If not, you may need to relocate the Gateway or contact Technical Support. See page 22: **Contacting Davis Technical Support**.

? *How can I tell if my Gateway battery voltage is getting too low?*

Our server will monitor your battery voltage and will trigger an e-mail warning if it should get critically low (approximately 14 days of power). The e-mail will go to both the registered customer's e-mail address as well as the alarm e-mail address (if one has been set up). You can also see the battery power in the app: choose this Gateway, then Gateway Power.

? *What do I do if my Gateway battery is low?*

The EnviroMonitor features a robust battery and solar panel. It is designed to recharge and last for years. If your battery is low, you need to determine why the solar panel is not recharging the battery. This is usually due to something shading the solar panel (such as vegetation, snow, or dirt), or the solar panel becoming turned away from the sun. Check your installation to make sure sunlight is reaching the solar panel.

? *My installation is in a low light area. Can I add another solar panel?*

Yes. You can add an Extra Solar Panel Kit (product number 6616).

? *Can I use AC power to charge the Gateway battery?*

If your installation is in a low-light area or an area with prolonged periods of time where temperatures stay below -4°F (-20°C), charging may be severely diminished. You may use Davis's Optional AC Charger Kit, product number 6710, to charge the battery. The kit allows you to replace the solar charger with AC power. The adapter has a universal input (100 -240V, 50-60 Hz) and will work anywhere in the world. (A wall-plug adapter may be necessary for use in some countries.) In a cold environment, you will need to bring the Gateway into a warmer environment (above -4°F/-20°C) to charge the battery with the AC Charger Kit.

Node

? *What do the Node status LEDs indicate?*

Node Status LEDs		
LED Behavior	Indicates	What to do
No BLE (Bluetooth) LED.	Bluetooth radio is in low-power mode.	Close, then open the door to activate the Bluetooth radio.
BLE (Bluetooth) LED flashes blue.	Node is ready to connect to the EnviroMonitor app.	Use the EnviroMonitor app to configure the Node.
BLE (Bluetooth) LED is solid blue.	The Node is connected to the EnviroMonitor app.	
No Radio LED.	The radio LED has timed out to save power.	Close then open the door to activate the radio LED.
Radio LED is solid amber for 3 seconds when powering up.	The Node is powering up.	
Radio LED is blinking green.	The Node is trying to connect to a mesh parent.	Wait for the LED to turn solid green. See below: My Node can't connect to the Gateway or mesh parent.
Radio LED is solid green.	The Node has connected to a mesh parent.	
Radio LED is blinking amber.	The Node is trying to connect to a mesh parent and the Node's batteries are low.	Replace the D-cell batteries and see below: My Node can't connect to the Gateway or mesh parent.
Radio LED is solid amber.	The Node is connected to a mesh parent and its batteries are low.	Replace D-cell batteries.
Radio LED is solid red.	The Node has not been configured.	Configure the Node using the EnviroMonitor app.

? *My Node can't connect to the Gateway or mesh parent.*

Give the Node more time, at least 15 minutes, to negotiate a connection to the mesh network. If it still cannot connect, the Node is not within transmission distance to a parent. To solve this you can relocate the Node closer to the Gateway or another Node, or you can install another intermediate Node between it and the mesh parent to help it connect to the mesh network.

? *How can I tell if my Node batteries are getting too low?*

The mesh LED will be solid or blinking amber to show that the Node's batteries are low. See the table above. You can also see the battery power in the app: choose this Node's Gateway, then this Node, then Node Power.

Specifications

Gateway

Operating Temperature	-40° to +140°F (-40° to +60°C)
Charging Temperature	-4° to +120°F (-20° to +49°C)
Storage Temperature	-40° to +140°F (-40° to +60°C)
Current Draw	25mA typical, 1A peak
Housing Material	Rugged ASA Plastic
Dimensions (width x height x depth)	13.75 X 10 X 4.15 inches (34.9 X 25.4 X 10.5 cm)
Weight	8.50 lbs. (3.86 kg)
Battery	6 volt, 12 Ah, gel cell with quick disconnect 0.250" x 0.032" (6.35 mm x 0.81 mm) tabs
Certifications:	FCC CE IC
Cellular Communication	
6800	800/1900 MHz (1xRTT)
6801	850/900 MHz (GSM), Class 4 (2w, 33 dBm); 1800/1900 MHz (DCS/PCS), Class 1 (1w, 33 dBm) B1, B2, B4, B5, B8 (UMTS)

Node

Operating Temperature	-4° to +140°F (-20° to +60°C)
Storage Temperature	-40° to +140°F (-40° to +60°C)
Current Draw	12mA typical
Housing Material	Rugged ASA Plastic
Dimensions (width x height x depth)	8.25 X 11.25 X 5.5 inches (21.00 X 28.58 X 14.00cm)
Weight	3.40 lbs. (1.54 kg) (without batteries)
Batteries	Four D-cells (LR20, not included), One lithium-ion (18650, included)
Certifications:	FCC CE IC

Mesh Communication (both Gateway and Node)

Region	Min. - Max Frequency	Output Power
USA	902 - 928 MHz	902 - 928 MHz FHSS, <25 mW
EU	868.0 - 868.6 MHz	868.0 - 868.6 MHz FHSS, <25 mW
Australia, Brazil	918 - 926 MHz	918 - 926 MHz FHSS, <25 mW
New Zealand, Peru	921 - 928 MHz	921 - 928 MHz FHSS, <25 mW
India	865 - 867 MHz	865 - 867 MHz FHSS, <25 mW

All bands are license-free.

Contacting Davis Technical Support

For questions about installing or operating your EnviroMonitor Gateway or Node, please contact Davis Technical Support. We'll be glad to help.

Online **www.davisnet.com**

See the Weather Support section for copies of user manuals, product specifications, application notes, software updates, and more.

E-mail **support@davisnet.com**

Telephone (510) 732-7814
Monday - Friday, 7:00 a.m. - 5:30 p.m. Pacific Time.

EnviroMonitor® Gateway and Node

Product Numbers 6800, 6801, 6810

Document Number: 07395.338 Rev. C 4/28/17

EnviroMonitor®, Vantage Pro®, Vantage Pro2™, Vantage Vue®, and WeatherLink® are trademarks of Davis Instruments Corp., Hayward, CA.

© Davis Instruments Corp. 2017. All rights reserved.

Information in this document subject to change without notice. Davis Instruments Quality Management System is ISO 9001 certified.



3465 Diablo Avenue, Hayward, CA 94545-2778 U.S.A.

510-732-9229 • Fax: 510-732-9188

E-mail: info@davisnet.com • www.davisnet.com