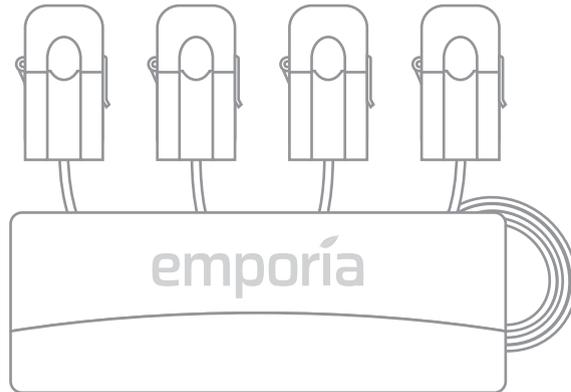


Gen 1 Vue Expansion Module

for use only with the
Emporia Vue



Installation Guide



WARNING! The Emporia Vue and the Vue Expansion Module require installing hardware inside your home's electrical panel and working around dangerous voltage that could lead to injury or death. Emporia recommends that installation be performed by a licensed electrician or other qualified professional in accordance with the regional electrical code where it is being installed.

Improper installation or use of the equipment can be dangerous or even fatal. In no event shall Emporia be liable to you or any third party for any damages, either direct or indirect, arising from or related to any personal injury as a result of your failure to follow the safety information and instructions in this Installation Guide.

Safety information

- ⚠ Personal protective gear should be worn when installing the Vue Expansion Module.
- ⚠ Do not use the Vue Expansion Module in any manner other than specified in this installation guide.
- ⚠ Do not attempt to open, disassemble, or repair any of the components of the Vue Expansion Module.
- ⚠ If you believe any of the Vue Expansion Module components may have been damaged, do not attempt to use them.
- ⚠ Do not install the Vue Expansion Module in environments with explosive gas or vapors; nor in damp or wet environments; nor in direct sunlight; nor where temperatures are consistently below 14° F (-10° C) or above 122° F (50° C).

Need help?

- 💬 emporiaenergy.com/support
- ✉ support@emporiaenergy.com
- ☎ 1-844-EMPORIA (367-6742)

Before you get started

The Vue Expansion Module is installed in your home's electrical panel. You'll turn off the main breaker, which will shut off all of the power in your home. **However, the service mains will remain dangerously energized.** The following items may help with safe installation. It's also helpful to perform the installation with a friend.



Phillips and flathead screwdrivers



Protective eyewear



Protective gloves



Alternative light source

What's in the box

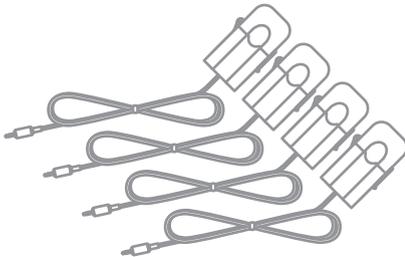
Your new Vue Expansion Module contains the following items. If you believe that any of these items may have been damaged for any reason, do not attempt to use them and call support immediately.



Expansion Module



Connection cable with
3.5mm jacks



50A current sensors
Your bundle will have
either 4 or 8 clamps.

**Purchase more at
shop.emporiaenergy.com**



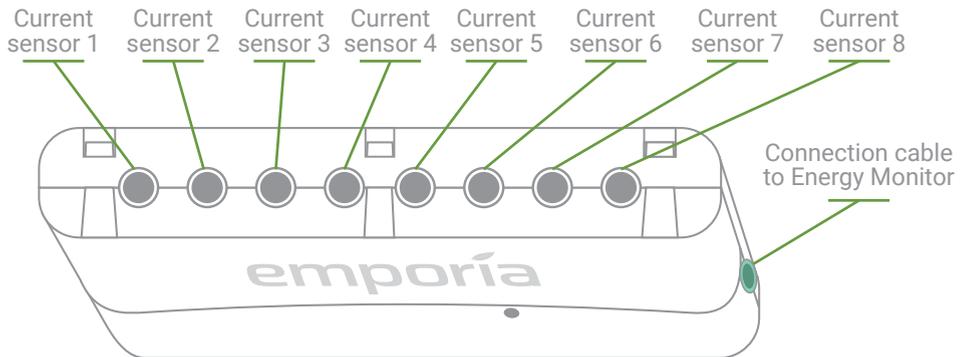
Circuit label card

Welcome to the Expansion Module

Your new Expansion Module adds the ability to monitor up to 8 individual circuits in your breaker panel. Each homeowner will have their own circuits that are important in their home; but here are our suggestions for common circuits of importance: **A/C, furnace, water heater, washing machine, clothes dryer, oven/range, dishwasher, fridge/freezer, sump pump, house fan, sub-panel, pool pump, hot tub, electric vehicle, or solar generation.**

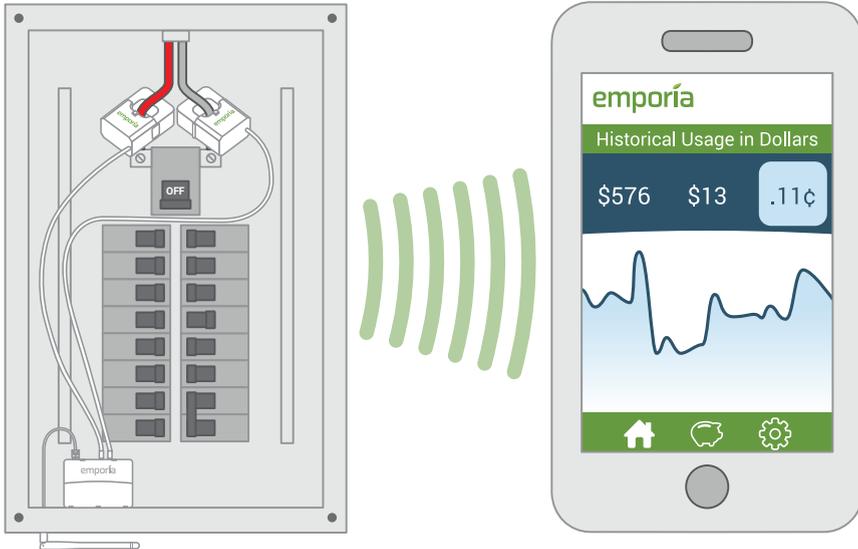
Before getting started, identify which circuits you would like to monitor by inspecting the breakers in your circuit panel.

Across the top of the Expansion Module are ports for connecting the current sensors. On the right side of the Expansion Module is the green port to connect the module to the Emporia Vue Energy Monitor.



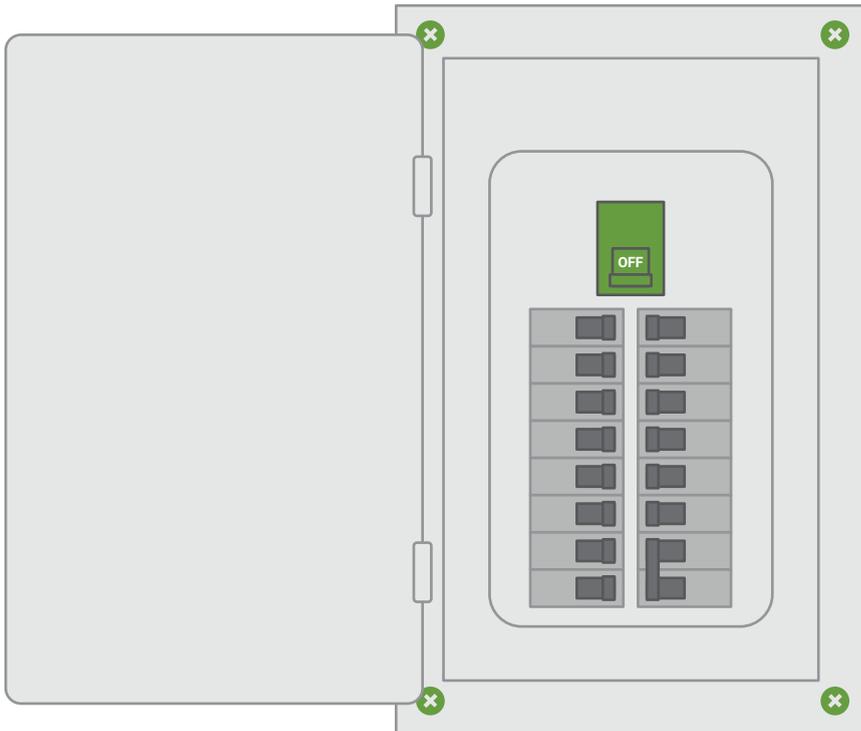
Step 1: Get your Vue up and running

This guide assumes that you have already installed the Emporia Vue in your circuit panel using its Installation Guide. It also assumes that you have downloaded the Emporia app from the Apple App Store or Google Play and created an account in the app. Additionally, it assumes that you have successfully completed the setup process for the Vue and you are seeing real-time energy usage in the app. If you haven't completed these steps, please return to the Installation Manual that came with your Vue and do so before continuing.



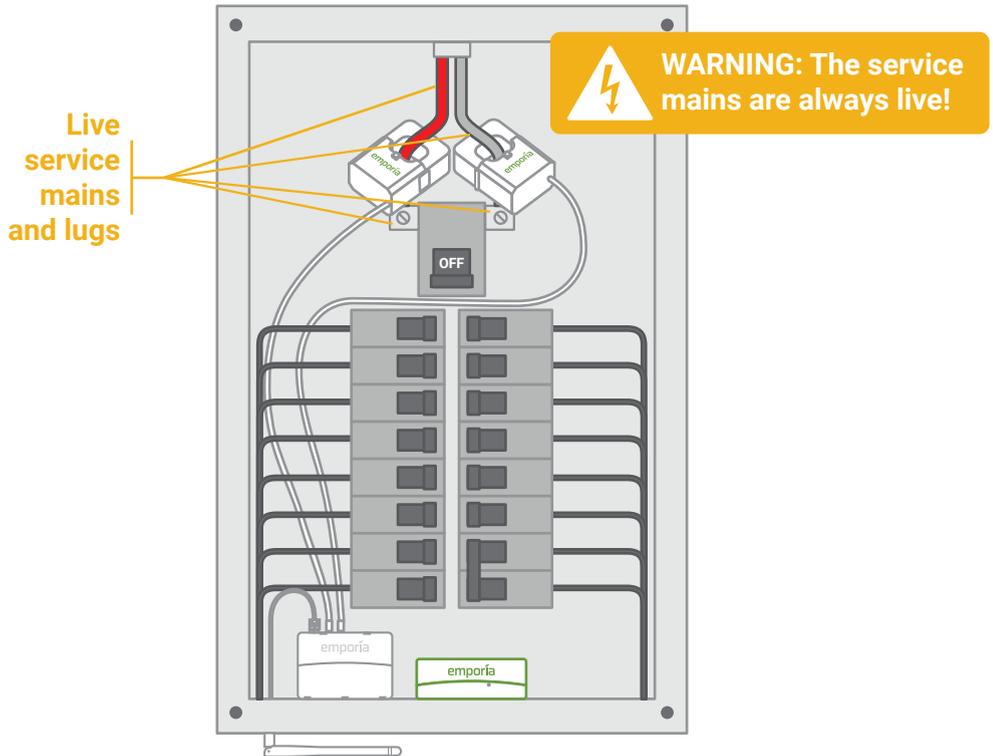
Step 2: Turn off the main breaker and remove the cover

Turn off the main breaker, which may be located elsewhere in your house or you may not even have one. This turns off all the circuits in your home. Next, remove any screws holding the cover to the panel and remove the cover to access the circuit breakers and **the live service mains!**



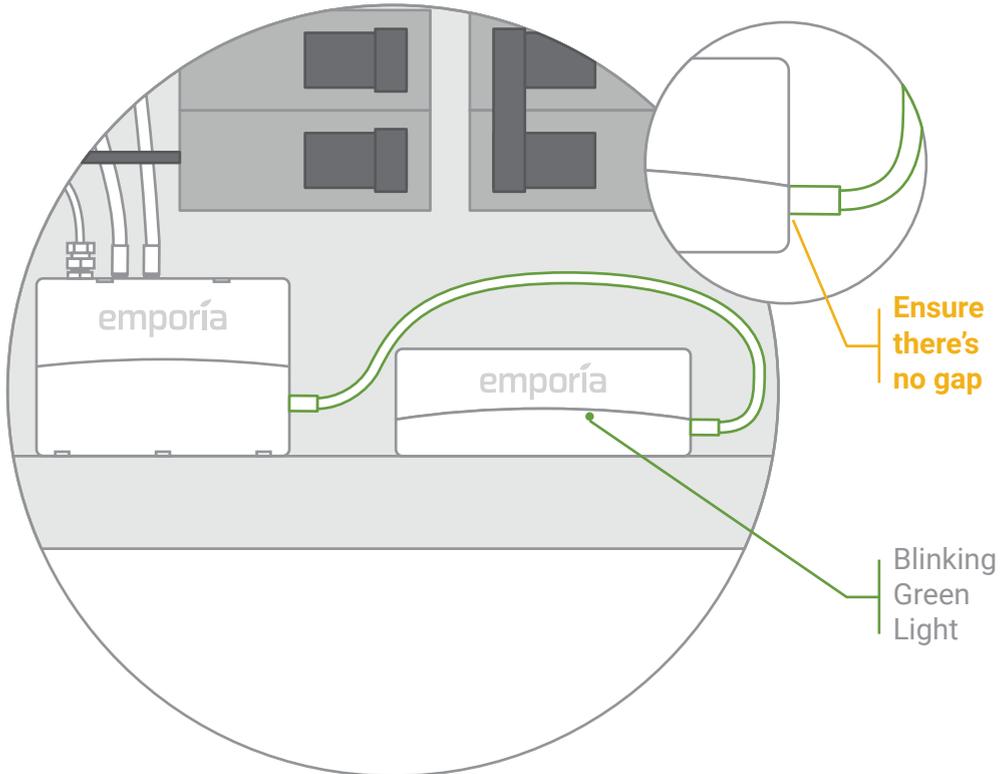
Step 3: Find a place for the Module

Identify a place within your electric panel alongside the Vue for your Expansion Module. Your breaker box may be oriented differently, but the Module is small and designed to fit easily in the box. Find a place that works for you.



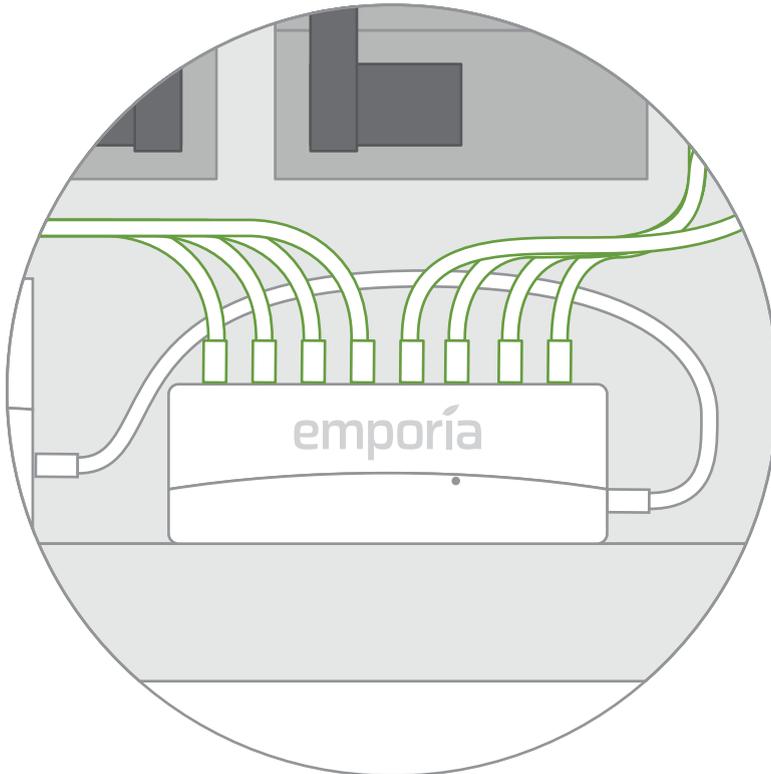
Step 4: Connect the Module to the Vue

Use the connection cable to connect the Expansion Module to the Vue Energy Monitor. **Firmly** plug the 3.5mm cable plugs into the green ports on right sides of both units. **Ensure this cable is fully inserted into both ports.** When connected, a green light will blink through the hole in the front of the unit. Also ensure previous connections aren't disturbed.



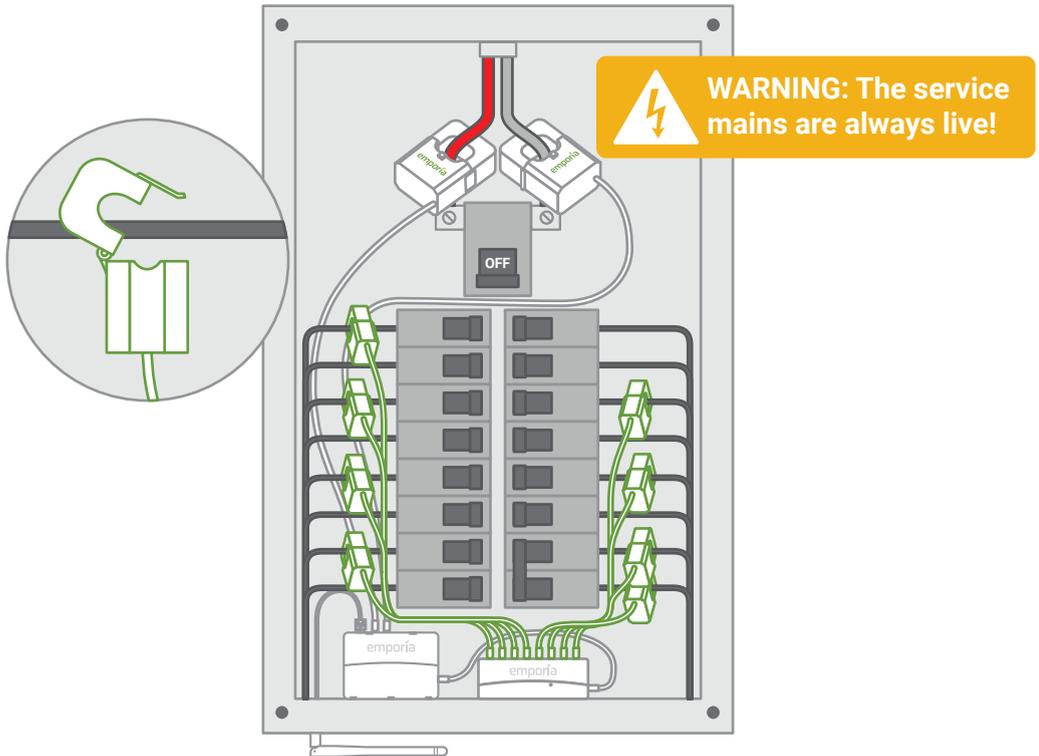
Step 5: Plug in current sensors

Firmly insert the plugs attached to the current sensors into the 3.5mm ports across the top of the Expansion Module. To reduce the space required by these cables, leave the plastic wrap on and pull out only the length you need, leaving the excess cable neatly wrapped.



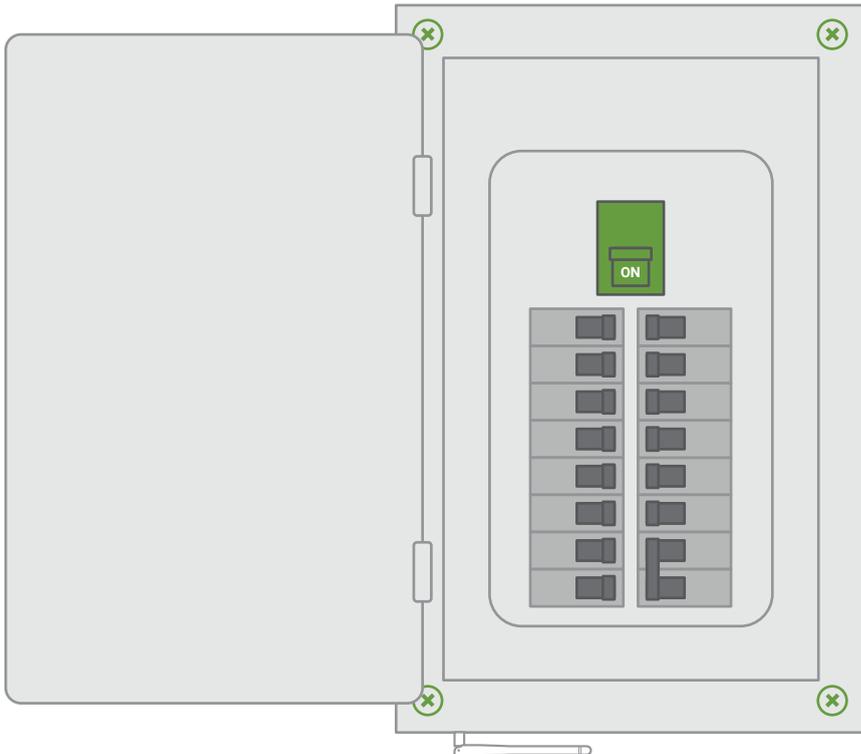
Step 6: Connect sensors to circuits

Open the sensor clasps and place each sensor around the breaker wire for the circuit you wish to monitor. Then shut the clasps to secure the sensors. Use the included circuit label card to make note of the circuit each numbered sensor will be monitoring.



Step 7: Replace the cover and turn on all breakers

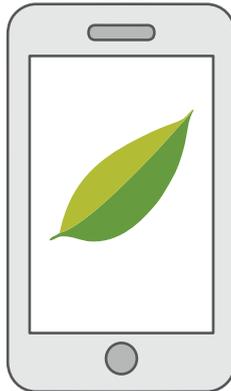
Secure the cover to the box with any screws you removed in Step 2. Next, flip the main breaker that you turned off in Step 2 to restore power to the circuits in your home. Then, close the panel.



Step 8: Complete setup with the app

Return to the **Emporia Energy app** on your phone or tablet. The app will automatically recognize that you have connected the Expansion Module to your Vue. Navigate to the Settings page  at the bottom of the app. Go to Manage Devices  to see a list of the Vues associated with your account. Click the Vue to which you connected the Expansion Module. Here you will see all of that module's circuits. You can use the circuit label card that you filled out in Step 7 to name each of your circuits for easy reference.

Once named, return to the Home page  and use the ellipsis  in the top right of the app to choose the circuits you wish to monitor in real time.



Troubleshooting Tips

The Emporia Energy app isn't getting real-time data from the Vue or the Expansion Module

- Double check that the cable between the Vue Energy Monitor and the Expansion Module is **firmly inserted into both units**.
- Ensure the Vue Energy Monitor still has power
 - Double check that the power supply is securely plugged into the Energy Monitor and securely connected to a breaker and neutral bus.
 - When the Vue system has power, a green light blinks behind the “e” of emporia on the Energy Monitor and a green light blinks through the hole in the front of the Expansion Module.
 - Double check that the main breaker is turned on.
 - Double check that the breaker the powering the Vue is on.
- Ensure all Current Sensors are securely fastened around their respective cables in your electric panel.
- Ensure the Current Sensors are securely plugged into their respective ports in the Vue Energy Monitor and the Expansion Module.

For more troubleshooting tips and answers to other frequently asked questions, please visit us at emporiaenergy.com/support.

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If you get stuck during any part of this process, we're happy to help get your Emporia Vue up and running.

Technical details

Current Sensors

Operating conditions: 14° -122° F (-10° - 50° C), 0-80% RH
Rated current: 50A
Saturated current: 75A
Cable length: 1.5 m
Inside diameter: 10 mm