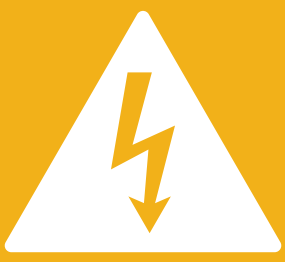
emporia

VUE

Smart Home

Energy Monitor

Single-Phase Consumer Unit Wiring Supplement



WARNING! The Emporia Vue requires installing transformers 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 skilled person such as 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.

Note: 3.5mm and 2.5mm ports should only be used to connect the supplied CT clamps to the energy monitor. They are not intended to carry any audio signal.

Remarque: les ports 3,5 mm et 2,5 mm ne doivent être utilisés que pour connecter les pinces CT fournies au moniteur d'énergie. Ils ne sont pas destinés à transporter un signal audio.

Safety information

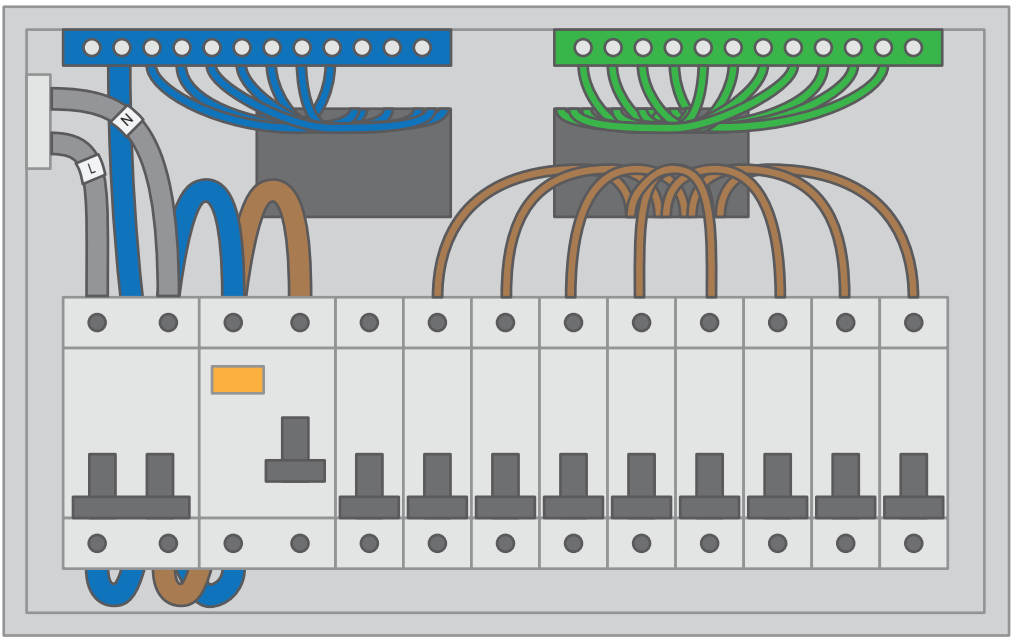
- Personal protective gear should be worn when installing the Emporia Vue.
- Do not use the Emporia Vue in any manner other than specified in this installation guide.
- Do not attempt to open, disassemble, or repair any of the components of the Emporia Vue.
- If you believe any of the Emporia Vue components may have been damaged, do not attempt to use them.
- Do not install the Emporia Vue in environments with explosive gas or vapors; nor in damp or wet environments; nor in direct sunlight; nor where temperatures are consistently below -40° F (-40° C) or above 122° F (50° C).
- Ensure the Emporia Vue does not have power during any handling, including installation and disassembly.

Need help?

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

Single-Phase Consumer Units

This supplementary manual is meant to provide alternate instructions for Steps 5 through 8 of the standard Gen 2 Vue Installation Guide for residents of the EU or UK who have Single-Phase Consumer Units similar to the panel pictured below. **This guide assumes that you have followed the Getting Started section as well as Steps 1 through 4 of the standard Gen 2 Vue Installation Guide**. Once you've completed those steps, continnue with Steps 5 through 8 in this guide.



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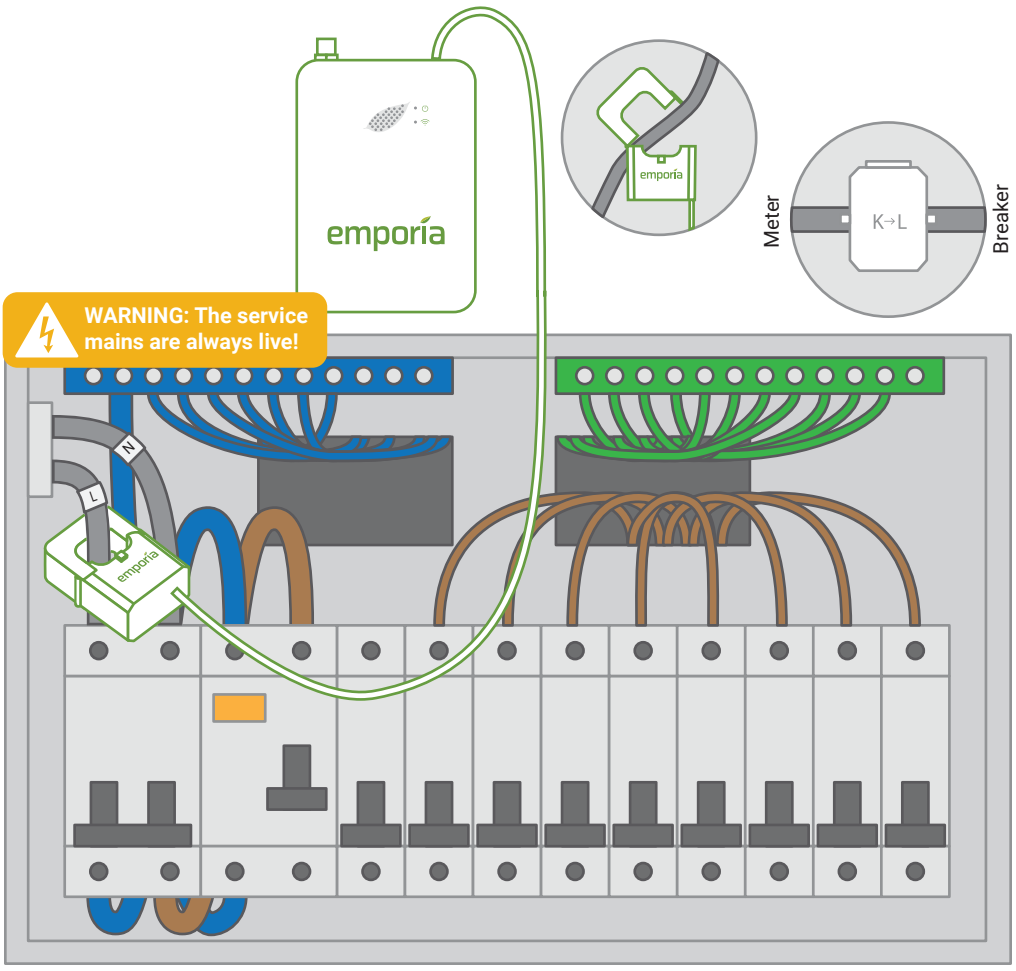
Step 5: Plug in and connect the 200A current transformer

Open the clasp on the CT and place the clamp around the incoming supply. Then, shut the clasp to secure the CT. **IMPORTANT! The K→L imprint on the bottom of the CT should point towards the breaker.** Finally, insert the 200A current transformer audio jack into one of the three the audio jack ports (A,B, or C) on the top of the energy monitor.



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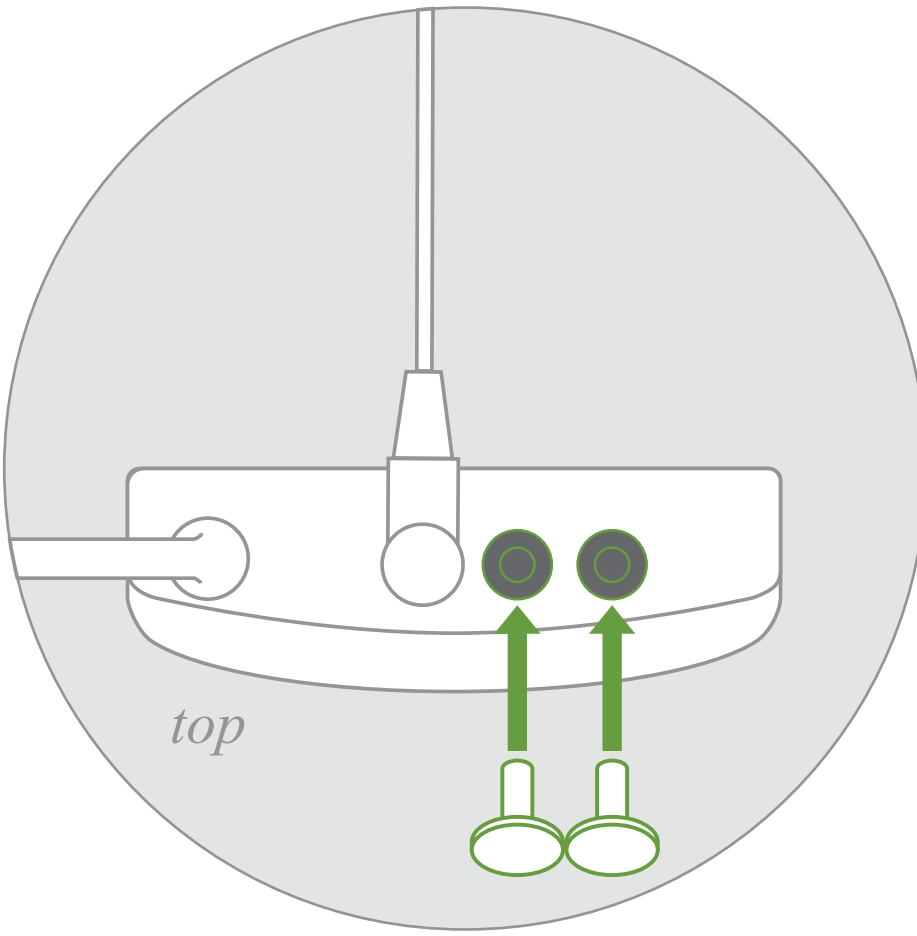
Step 6: Insulate empty 3.5mm 200A CT audio jack ports

Identify the two empty 3.5mm 200A CT ports on the top of your Vue. Securely insert the provided 3.5mm insulation plugs into the Vue's empty 3.5mm ports so they are completely insulated.



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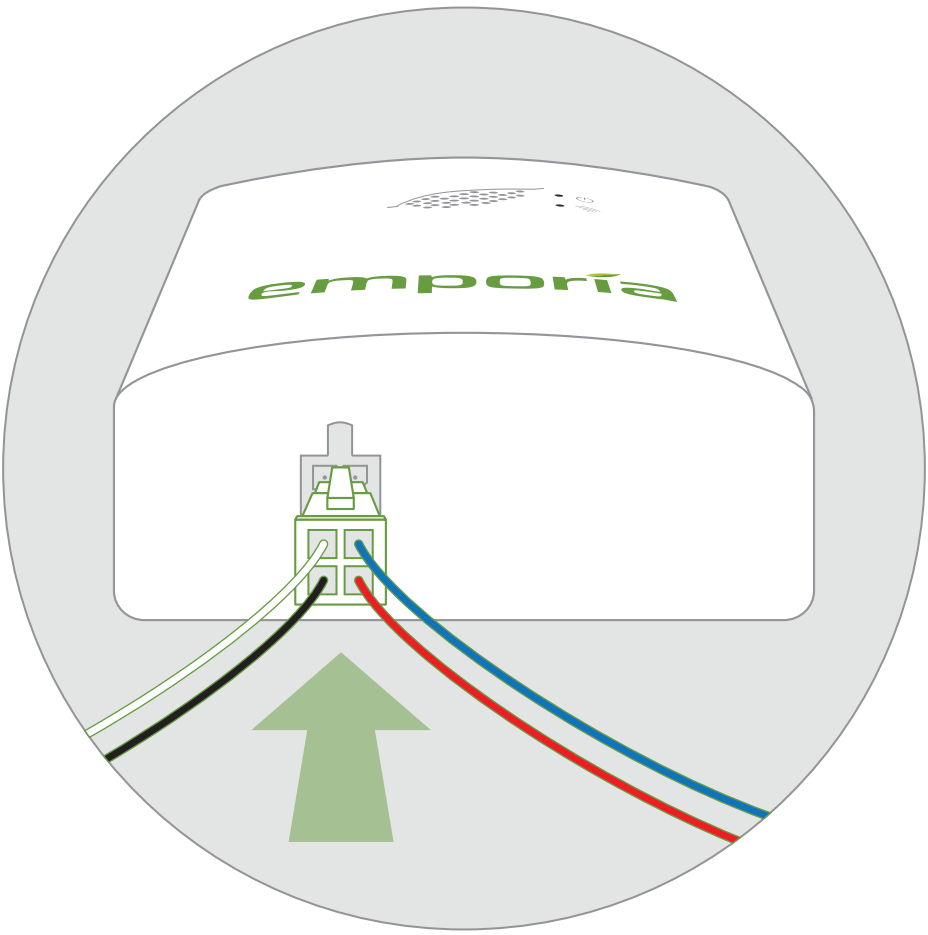
Step 7: Plug in the wire harness

Insert the power supply wiring harness into the bottom of the energy monitor until it clicks into place securely.



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Step 8: Wire the wire harness to a breaker and neutral block

The wire harness will be connected differently depending on whether or not you have an open 15A MCB. Go to the step below based on your system. If you're unsure, **contact Emporia Support and we'll help you through it.**

Step 8(a) For UK or EU single-phase homes

- One open MCB
- One 200A CT

Step 8(b) For UK or EU single-phase homes

- No open MCB
- One 200A CT

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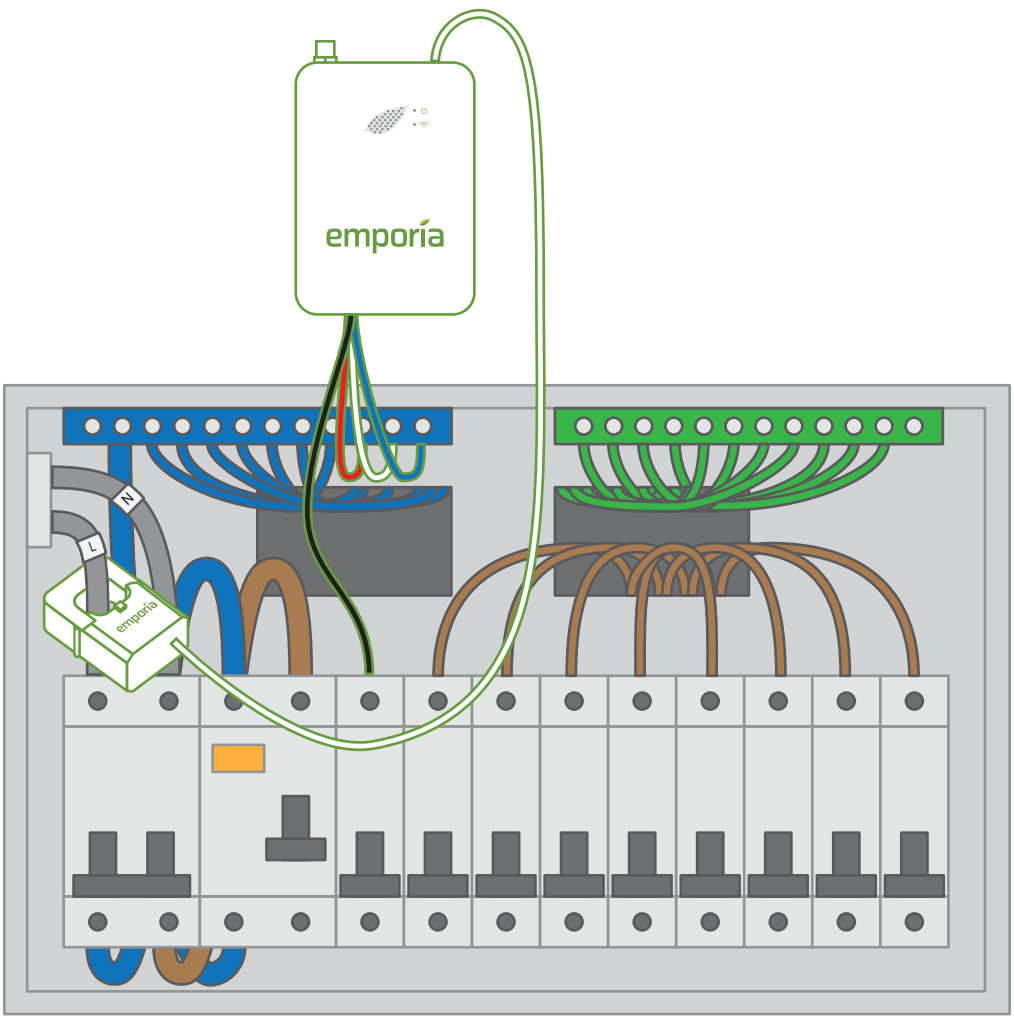
Step 8(a): One open MCB and one 200A CT

For UK or EU single-phase homes

Secure the Red, White, and Blue wires from the wiring harness to the neutral block (you can use a wire nut and extra wire if needed). Turn off an empty 15A MCB and secure the Black wire from the harness to the MCB.



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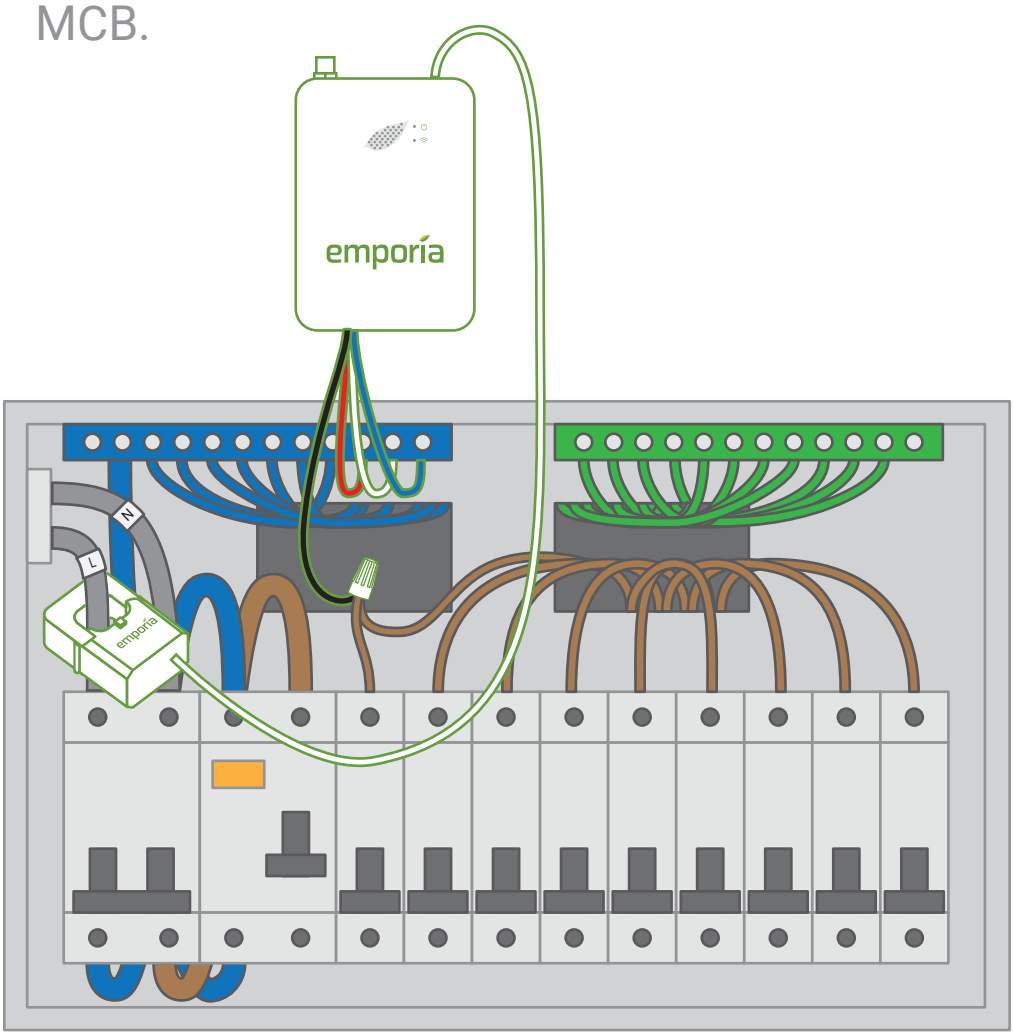
Step 8(b): No open MCB and one 200A CT

For UK or EU single-phase homes

Secure the Red, White, and Blue wires from the wire harness to the neutral block. Turn off a 15A MCB and disconnect its wire. Connect that wire to the Black wire from the harness and the piece of extra wire with the wire nut. Then secure the extra wire to the MCB.



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Resume Installation at Step 9 in the Standard Installation Guide

This concludes the special instructions for wiring the Gen 2 Vue in a Single-Phase Consumer Unit for residents of the EU or UK. Please return to the Standard Gen 2 Vue Installation Gude and resume Step 9 to complete your installation.

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Technical Details

Energy Monitor

Power supply input:	100-240VAC 1Ø, 50/60Hz, 0.041A
Fuse:	260VAC/0.3A
	(Fusible resister: 10E, 1W, 5%, TH)
Power usage:	< 3 Watts
Wi-Fi:	2.4 GHz 802.11b/g/n
Operating conditions:	-40° -122° F (-40° - 50° C)
	0-80% RH

200A Current Transfomers

Max current:	200A
Cable length:	1 m
Inside diameter:	26 mm

50A Current Transformers

Max current:	50A
Cable length:	1 m
Inside diameter:	10 mm

The Vue energy monitor and current transformers are considered a system designed for field installation in a switch enclosure as per section 312.8(B) of the 2017 National Electrical Code (NEC) regarding Power Monitoring Equipment. The Vue is considered a non-invasive load monitor (NILM) and as a non-permanent fixture, it is acceptable to install in an electrical panel.

The Emporia Vue Smart Home Energy Monitor contains FCC ID: 2AS6P-EMCTV2 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 received, including interference that may cause undesired operation. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Caution: Any changes or modifications not expressly approved by Emporia void the user's authority to operate the equipment.

c UL us LISTED

I.T.E. Energy Monitor
E506714

Designed in Colorado, USA. Manufactured in India.