

CHAMELEON[®]
TECHNOLOGY

Welcome to your **Energy Clamp** Installation and User Guide.

This guide will help you get started with your new
Energy Clamp with some quick, simple steps.

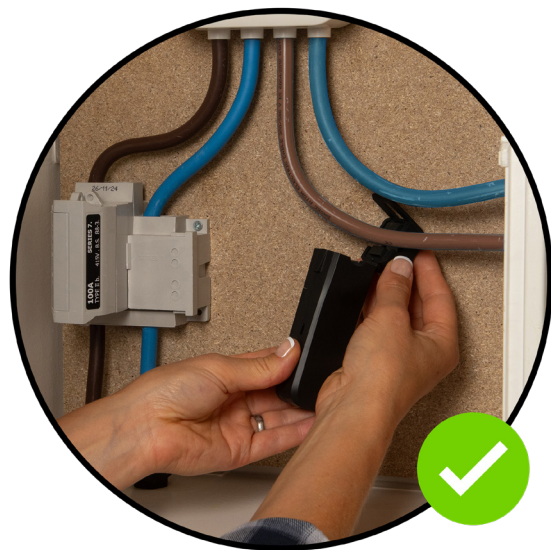


1 Installing your Energy Clamp.

The Energy Clamp is our latest wireless sensor that enables you to track current transmission accurately and easily. The device is simple to install and works with third party Zigbee 3.0 hubs, such as Home Assistant, to allow you to visualise your real-time data.

Simply follow the steps below to complete the installation of your device.

1. Unbox your new Energy Clamp and put the batteries provided in the box in. It will turn on automatically.
2. Open your third party Zigbee 3.0 hub app. Please refer to the respective app for steps on how to add a Zigbee 3.0 device. For steps on how to connect your Clamp to Home Assistant, please refer to the next section of this guide.
3. Once you have completed the steps, the LED on the side of your Energy Clamp will flash for a period and will stop after a few seconds, identifying that the pairing is complete.



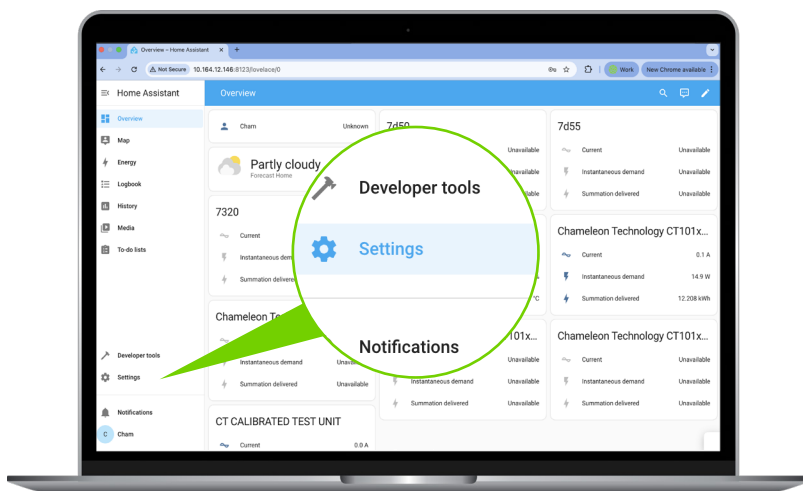
Please note: The Energy Clamp can only be attached to single conductor, insulated wires, such as your electricity meter. Please note that the Energy Clamp must not be used to measure current for regular power cables with a 13A plug.

2 Integrating your Energy Clamp with Home Assistant.

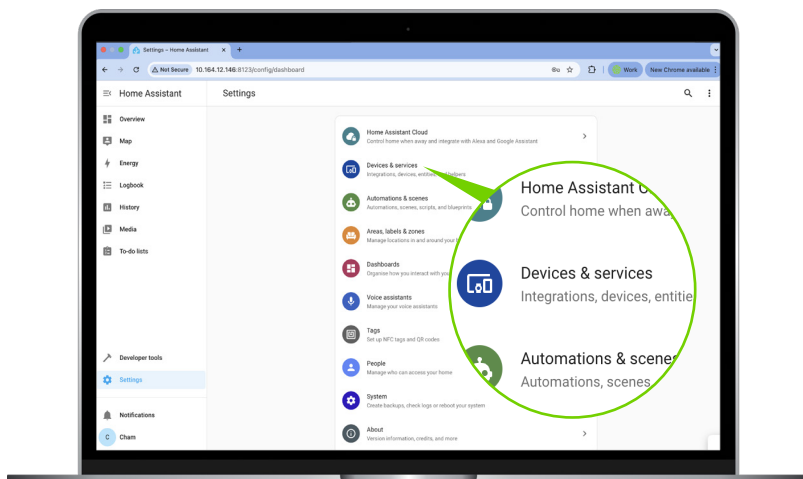
The Energy Clamp can currently connect with Home Assistant with more Zigbee 3.0 integrations coming soon. Please follow the steps below to add the CT Clamp to your Home Assistant set up.



1. Unbox your new Energy Clamp and put the batteries provided in the box in. It will turn on automatically.

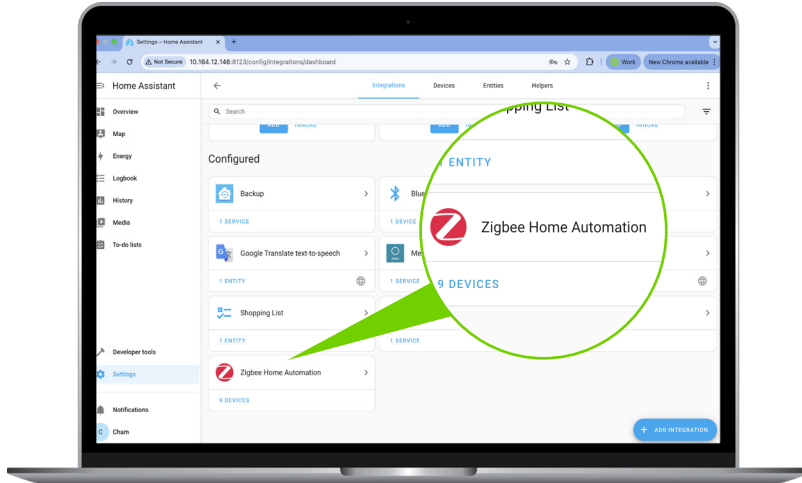


2. Open Home Assistant and navigate to “Settings.”

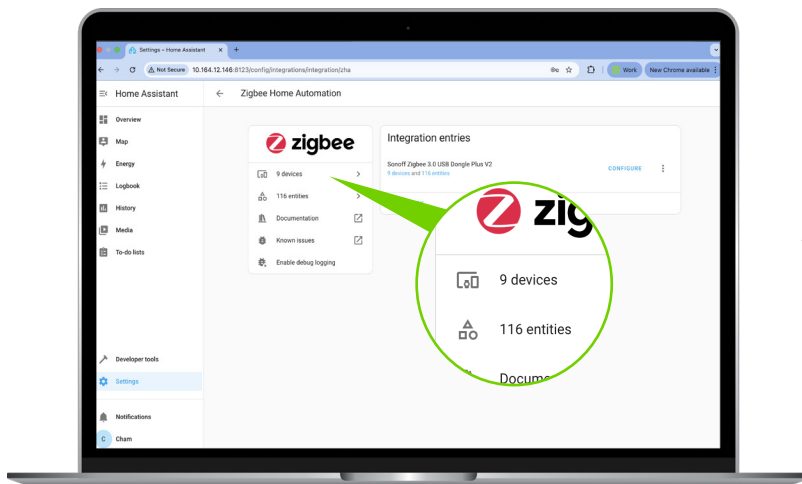


3. Navigate to Devices and services.

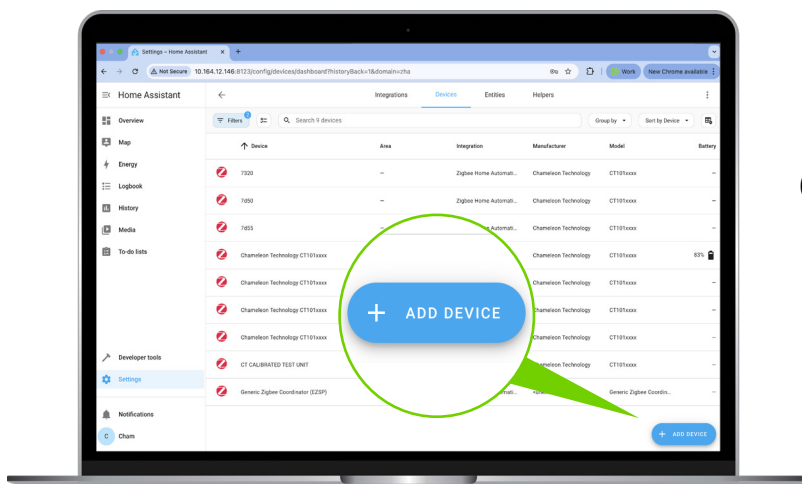
2 Integrating your Energy Clamp with Home Assistant. (continued)



4. Scroll down and click “Zigbee Home Automation.”

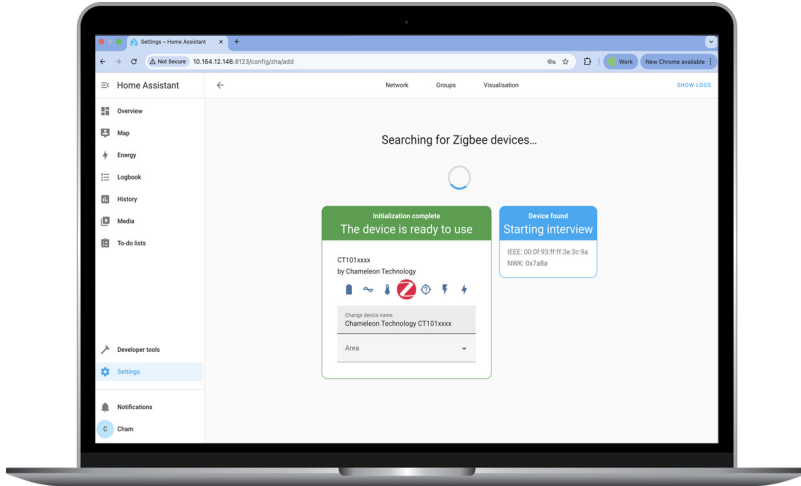


5. Click “Devices” in your Zigbee section.

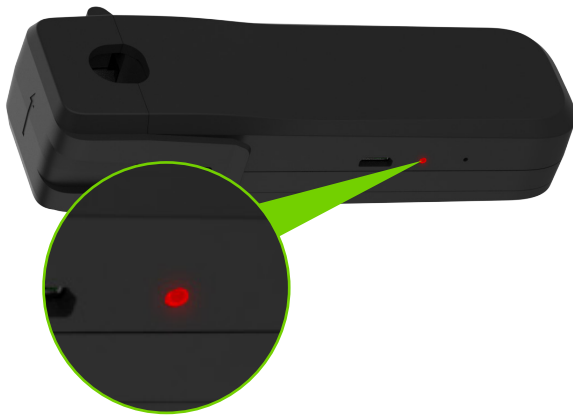


6. Click “ADD DEVICE” and Home Assistant will open your Zibee 3.0 network and will start looking for your Energy Clamp.

2 Integrating your Energy Clamp with Home Assistant. (continued)



7. Once Home Assistant finds your Energy Clamp it will automatically establish the connection.



8. The LED on the side of your Energy Clamp will flash for a period and will stop after a few seconds, identifying that the pairing is complete.

3 Attaching your clamp to the wire.

It is now time to attach the clamp on your wire, where you wish to measure the current. Please note that identifying the direction of installation is very important in order to ensure that you see the correct flow of current.



For instance, if you are installing the CT Clamp to measure current from an electricity meter, the arrow on the clamp needs to go in the direction of current flow in the wire.



In a meter setting, ideally, the clamp should be put on the brown cable with the arrow pointing towards the house - further from the meter.



If you are installing on the blue wire of your meter, you will point it in the opposite direction.

4 How to reset your Energy Clamp if it fails to pair with your Zigbee 3.0 hub, such as Home Assistant.

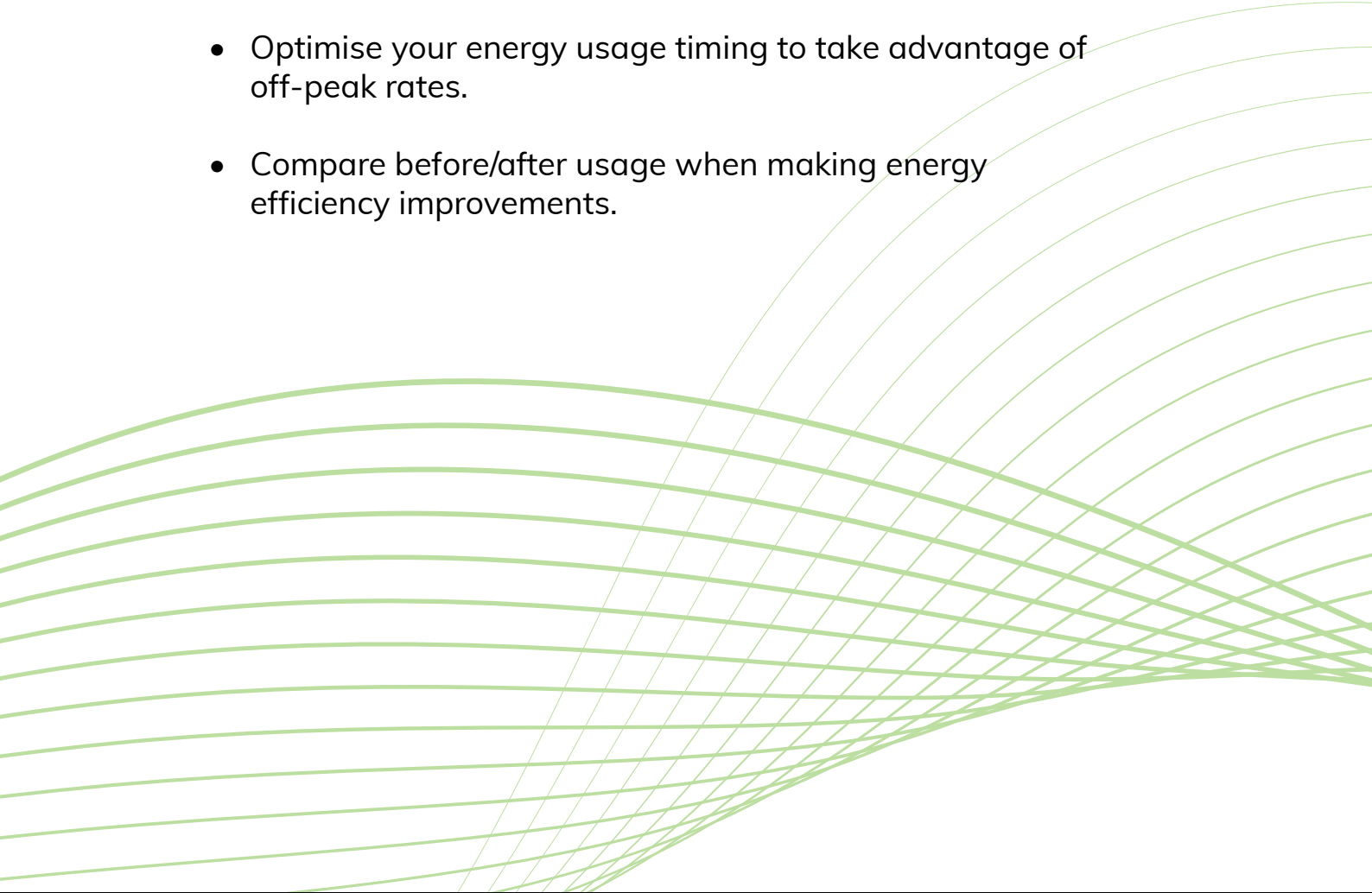
If the pairing between your preferred Zigbee 3.0 hub, such as Home Assistant fails, don't worry. You can reset your clamp and try again. Simply use a little pin (one that you would use to access your SIM card on your smart phone) or a needle and press the button next to the LED light. Hold it pressed for 10 seconds.



The Energy Clamp is also perfect for other use cases, including:

- Anywhere with an AC single conductor cable
- Meter box or next to fuse panel
- Solar installation cables - generation or export
- EV installation cables

How Our Energy Clamp Helps You Save Money

- Identify energy-hungry appliances and devices that are driving up your electricity bills.
 - Track real-time usage patterns to spot when you're consuming the most energy.
 - Monitor standby power consumption to catch devices that waste energy when not in use.
 - Optimise your energy usage timing to take advantage of off-peak rates.
 - Compare before/after usage when making energy efficiency improvements.
- 
- A series of overlapping, wavy green lines that sweep across the lower half of the page, creating a sense of motion and energy.

Should you have any questions or if you need further support, please visit our FAQs [↗](#) or contact:

customercare@chameleontechnology.co.uk