



Chorus PV

Quick Start Guide

Putting you in control of your PV generation and consumption

- Shows import and export of energy
- Tracks energy use against budget
- Access to www.energynote.co.uk for in-depth analysis, support and hints & tips



for a simpler start, go to: www.energynote.co.uk



Setup

You can set up features, budgets and tariffs here.



Home

This takes you to the home screen of the feature you are viewing.



Messages

This takes you to your inbox, where you will find messages from your Chorus.

Welcome

Welcome to your new **Chorus PV** system. The system requires a mains electricity meter with a LED pulse output. If you're unsure, check the front and look for a red flashing light. The system is not designed to work with a spinning disc meter.

Safety



When fitting the sensors, if the cables coming out of the meter look perished (cracked, burned, or bare copper) or are loose, or wet, or you have any doubts about their condition, do not install the sensor, contact a qualified electrician. Don't force the CT sensor onto the mains cable if the cable diameter appears to be too big.



Keep the display away from water.



Clean with a soft, dry cloth.



If any of the components appear damaged, contact us.



This is a user installable display. There is no need for you to connect or disconnect any cabling.



If you need to replace the batteries you must only use NiMH rechargeable ones. Non-rechargeable batteries must not be used.



To protect the environment, please take your batteries to a recycling centre for safe disposal.



For use in a dry, indoor environment only.



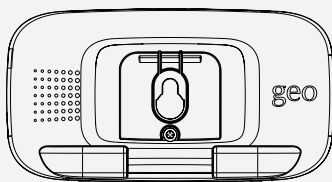
Please only use the power supply provided.



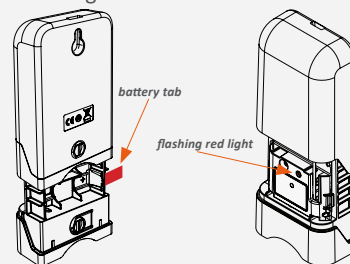
This product is RoHS compliant and CE approved.

Step 1 - Power up

Unscrew the battery flap and insert the batteries supplied. Replace the cover and plug in the power supply. The display takes around two minutes to start. Please note: the batteries are for backup only. If you need to replace the batteries you must only use NiMH rechargeable ones.



Open each of the three **transmitters** by pressing the button on the back and pulling the outer cover away. Remove the red battery tab. The flashing red light will show that the unit is working.

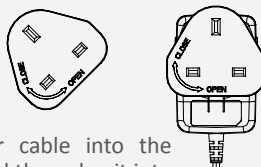


When you have connected your display to the internet it will set up the time and date automatically. If you want to do this manually it's in the menu: **Settings » Time and date.**

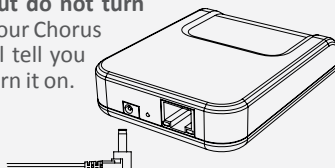
Step 2 - Connect to the internet

In order to connect your display to the internet you must pair your Chorus display to the internet bridge, contained in the optional **web pack**.

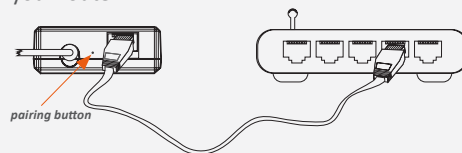
Remove the power supply then select the correct set of pins for the UK. Insert and twist clockwise to clip the pins to the power supply.



Insert the power cable into the internet bridge and then plug it into the wall **but do not turn it on yet**, your Chorus display will tell you when to turn it on.

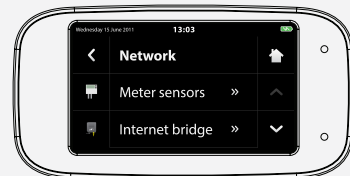


Plug the Ethernet cable into the back of your internet bridge and plug the other end into your router.



Pair the internet bridge to the Chorus by selecting **Installation » Network**

Tap the internet bridge option and follow the instructions on screen to pair your Chorus to the internet bridge.



Step 3 - Installation status

Check the connectivity of the sensors by selecting: **Installation » Status**






A green light shows that a sensor is working; if a red or amber light is showing please see the user manual at www.energynote.co.uk

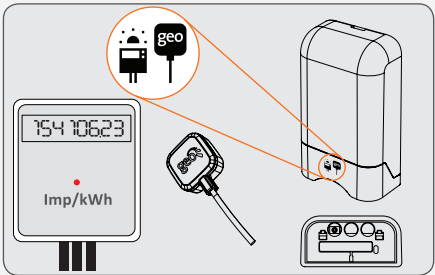


Check the status of the internet bridge by scrolling down the page.

Step 4 - Installing meter sensors

The Chorus PV uses three sensors to collect microgeneration data:  (Generation LED sensor),  (Import LED sensor) and  (Import CT sensor). Make sure you install the correct sensor on the correct meter. Make a note of the pulse output ('Imp/kWh') on the front of your meter.

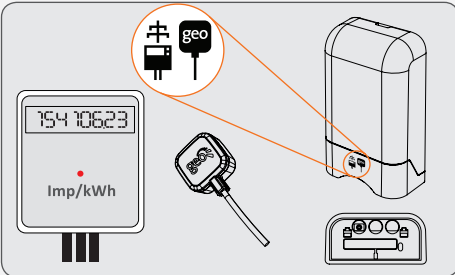
Generation meter



A. Installing the generation LED sensor

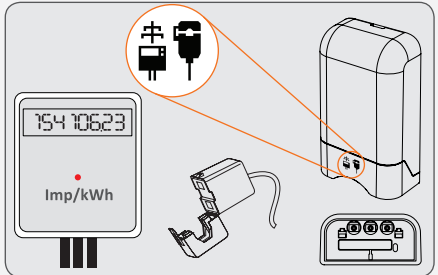
- Attach the Velcro around the pulse output on your **generation meter**.
- Place the LED sensor over the Velcro.
- Insert the sensor cable into the transmitter.
- Enter the Imp/kWh value from your meter by selecting: **» Installation » Network » Meter sensors » LED pulse » Gen.LED**

Electricity meter



B. Installing the import LED sensor

- Attach the Velcro around the pulse output on your **electricity meter**.
- Place the LED sensor over the Velcro.
- Insert the sensor cable into the transmitter.
- Enter the Imp/kWh value from your meter by selecting: **» Installation » Network » Meter sensors » LED pulse » Imp.LED**



C. Installing the import CT sensor


- Identify the live mains cable going into your **electricity meter** (it will be brown, red or have 'L' on it).
- Clip on the CT sensor.
- Insert the sensor cable into any of the three sockets underneath the transmitter.

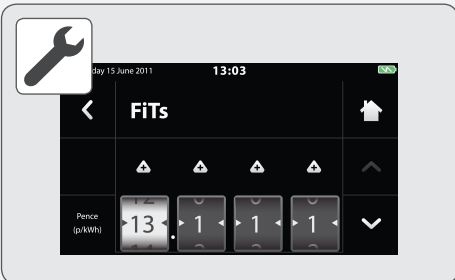
Step 5 - Telling the Chorus about you

There are a few additional settings to complete to get your Chorus PV fully up and running. This can be done on the Chorus (see below) or from the energynote website (see Step 6).




Setting tariffs

Get the most accurate cost information on the Chorus PV by setting the import and micro-generation tariffs; this information is found on your utility bill. On the Chorus select **» Settings » Tariffs » Import tariff** Press  to return to the home screen. If you need any further help please read the manual.







Setting your feed-in tariff (FiT)

Enter your feed-in tariff. You can find this on a recent utility bill. On the Chorus select **» Settings » Tariffs » Generation tariff** Press  to return to the home screen. If you need any further help please read the manual.



Setting a budget

Tap Cost  and scroll down to edit your budget. Set the desired monthly budget by using the  and  buttons on the left. Press  to return to the home screen.

Step 6 - Getting online

The Chorus connects to the web using the internet bridge. You can find out more at www.energynote.co.uk

With energynote you can:

- Set up a personalised account with secure login
- View all your energy data in detail
- Compare different energy data sets side-by-side
- Use energynote's built-in analysis to learn more about your energy habits
- Spot trends and patterns
- Learn more about energy saving and the environment
- Export your data as a data file (.csv) for further analysis

Please note that the internet bridge only transmits data to the web, it does not store any of your energy information.

Chorus PV features

Income



This shows how much you are earning from your array. It's broken down by feed-in tariff (FiT), deeming and saving. You can also see how much you've earned over the last day, week, month and more. On the home screen you can see income today. Press anywhere on the left of the screen for more information.

Electricity



This shows consumption. On the home screen, the speedo shows how much you are generating compared to consuming. The display will also alert you when you are generating an excess – so you know when to run your high-load appliances. Press anywhere on the left of the screen for more information.

Cost



This shows the cost of the electricity imported from the grid compared to your budget. If the tick is highlighted on the home screen you are under budget, if the cross is highlighted you are over. Press anywhere on the left of the screen for more information.

Environment



This shows you how much of the energy you are using is from your own generation. The CO₂ you have saved is compared to the CO₂ you have created by using energy from the grid. Press anywhere on the left of the screen for more information.