

# Technical Instructions for Setting up the Current Cost EnviR Web Bridge for Online Access to Data & Connecting the Web bridge to PVOOutput.org for Data Manipulation

1. Register at [my.currentcost.com](http://my.currentcost.com).

The screenshot shows the Current Cost website's registration page. At the top left is the Current Cost logo, and at the top right are buttons for 'Login', 'FAQ's', and 'Support'. Below the navigation is a decorative banner with orange and yellow floral and gear patterns. The main content area is divided into three columns:

- Register here:** Includes a play button icon, the text 'Register here to follow your energy usage online', and 'Register your Current Cost device and monitor the energy that you are using by computer or your mobile phone.' Below this is a 'It's easy to get started!' section with a 3-step process: 1. Connect the bridge to your monitor, 2. Enter your bridge serial number below, and 3. Click to activate. There are input fields and 'Activate' buttons for each step.
- View a live demo:** Includes a play button icon, the text 'Take a look at a live demo of the NetSmart and web dashboard.', and 'Choose to share, anonymise or make your data private.' Below this is a screenshot of the web dashboard showing a power usage graph and a 'Power 324 w' display.
- Go Mobile!:** Includes a play button icon, the text 'iPhone users should be redirected automatically to our iPhone and mobile site.', and 'Other mobile users can log in here.' Below this is a screenshot of the mobile app interface on an iPhone.

2. Connect and active your web bridge.

**Note:** Your web bridge serial number is located on the back panel of your web bridge device.

It's easy to get started!

1 Connect the bridge to your monitor



2 Enter your bridge serial number below

3 Click to activate

Activate ▶

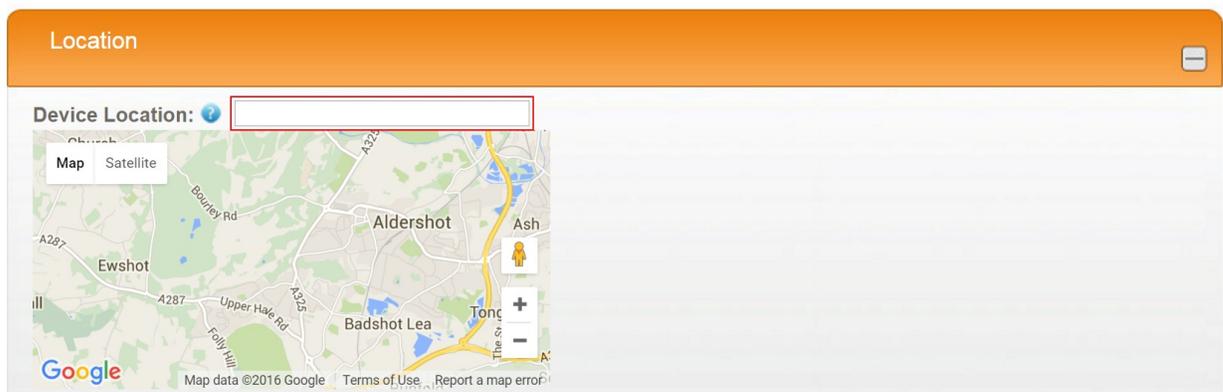
- Logout of your account and login again after approximately 10-minutes.

**Note:** This step appears to be required for the activation to take effect. Waiting approximately 10-minutes allows the first data upload to occur to verify your device is live. These data uploads occur every 5-minutes.

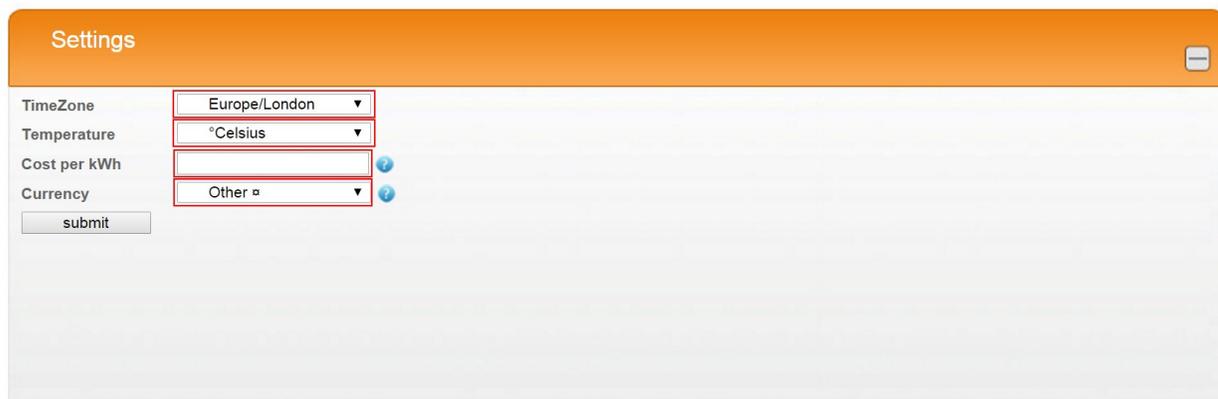
- [Optional] Rename your device.



- [Optional] Set your location.



- [Optional] Set your local parameters and preferences.



Settings

TimeZone: Europe/London

Temperature: °Celsius

Cost per kWh: [empty]

Currency: Other

submit

This concludes the basic setup on [my.currentcost.com](https://my.currentcost.com). If you wish to further parse your energy data, continue the following steps using [PVOutput.org](https://PVOutput.org).

- Register at [PVOutput.org](https://PVOutput.org).



Welcome, PVOutput is a free service for sharing and comparing PV output data.

If you own a solar system please contribute your power output readings.

[Latest Outputs](#) | [PV Ladder](#) | [PV Donut](#) | [Daily Outputs](#) | [Live Outputs](#) | [Teams](#) | [Register](#) | [About](#)

**We've Generated 189.286GWh from 231.714MW Panels**

Login or Email

Password

Remember me

Don't have a login? [Register in 10 seconds.](#) [Forgot Password?](#)

**12,536,808**

number of outputs  
recorded

**\$47.32M**

saved in electricity  
costs to date

**985,257**

number of panels

**471,014**

barrels of oil emissions  
saved

- When you login to your [PVOutput.org](https://PVOutput.org), You will be required to enter the information below.

**Note:** Be sure to check 'Energy Consumption Only' if you are only consuming (not generating) energy.

### Add System

System Name  This field is required.  
Name of the system you are adding, be creative.

Energy Consumption Only  
Only energy usage data will be recorded. Solar details may be added later.

Country  ▾  
Country where your system is installed.

Postcode  This field is required.  
Australian Postcode, UK Postal District or US ZIP Code

Remarks   
Additional comments about your installation.

9. The following screen will appear after saving the information on the previous step. Click 'Edit' to further define your system's settings.



Added System [Home Monitor II](#) to your profile

[Add Output](#) | [Your Outputs](#) | [Latest Outputs](#) | [PV Ladder](#) | [PV Donut](#) | [Daily Outputs](#) | [Live Outputs](#) | [Teams](#) | [Favourites](#) | [Settings](#) |

### Add Output

System Name  ▾    
Select the system to record this output against

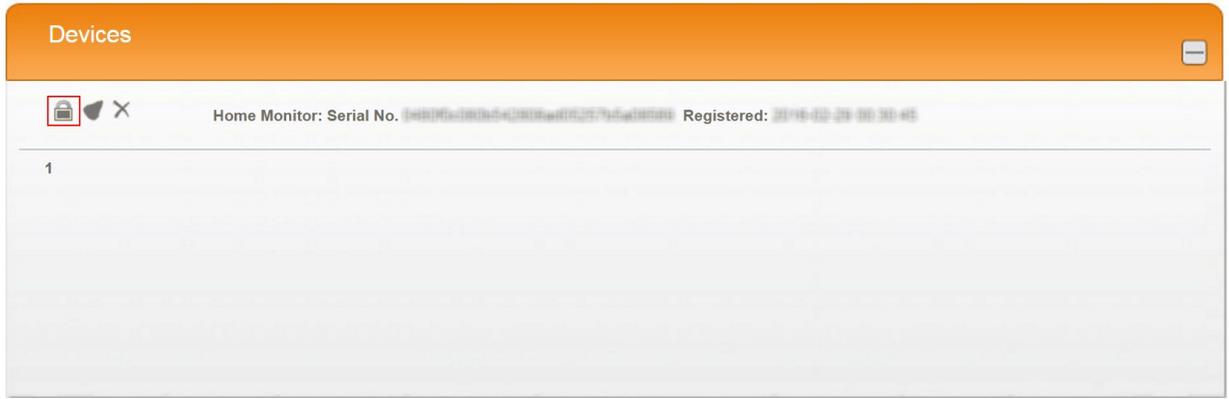
Output Date   
Date of the recording (dd/mm/yy).

Energy Generation  Wh  
Total energy generated for the day in watt hours. e.g. 5500 for 5.5kWh

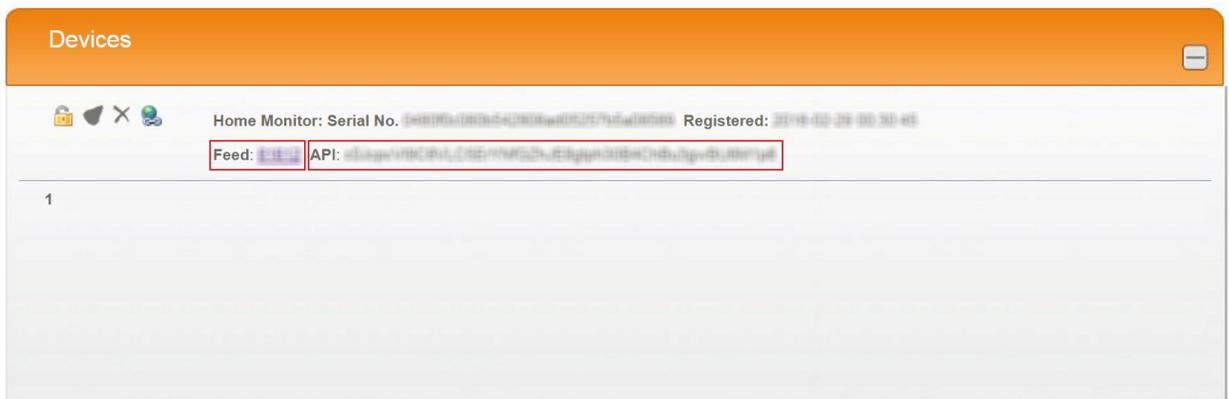
Energy Exported  Wh  
Optional: Total energy exported to the grid for the day in watt hours. e.g. 4125 for 4.125kWh

10. Scroll down to the 'Automatic Uploads' section and enter the information as shown.
- Click on 'FIND STATION' to select the appropriate weather station for you location.
  - Obtain a 'Weather API Key' by following the instructions for a [free Stratus Plan](#) at: [wunderground.com/weather/api/d/pricing.html](http://wunderground.com/weather/api/d/pricing.html)

- Go back to [my.currentcost.com](https://my.currentcost.com) and make your bridge public.



- Copy the API number from step above and paste it into the 'API Key' field.
- Copy the Feed number from step above and paste it into the 'Feed ID' field.



## Automatic Uploads

Primary Device    
Automatically download data from the above device and save it to your pvoutput system

Direction    
Upload the data as generation, consumption or net

Poll Interval    
How often to download data from the API / Device

Shift Time    
Move the time reported by the device to sync with other sources

Weather Station  [FIND STATION](#)   
Wunderground weather station id for live temperature e.g. INEWSOUT208 or AU/Sydney

Weather API Key  **This field is required.**   
Wunderground API key to download weather data

Temperature Unit    
Temperature data is recorded in the above unit

API Key  **This field is required.**   
The xively api key used to access your feed data

Feed Id  **This field is required.**   
The xively feed id to retrieve data from. e.g. 43231

Primary Power    
The xively data stream for power readings e.g. 1

Secondary Power     
Upload a another power data stream in the opposite direction or add/subtract from the primary

Temperature    
The xively data stream for temperature readings e.g. 0

Rule  [TEST](#) [HELP](#)   
Apply the above rule to adjust the power value

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Secondary Device    
A secondary device can be used to upload in the opposite or same direction

**Note:** Be sure to click 'Save' at the bottom of the settings page when all highlighted fields are filled.

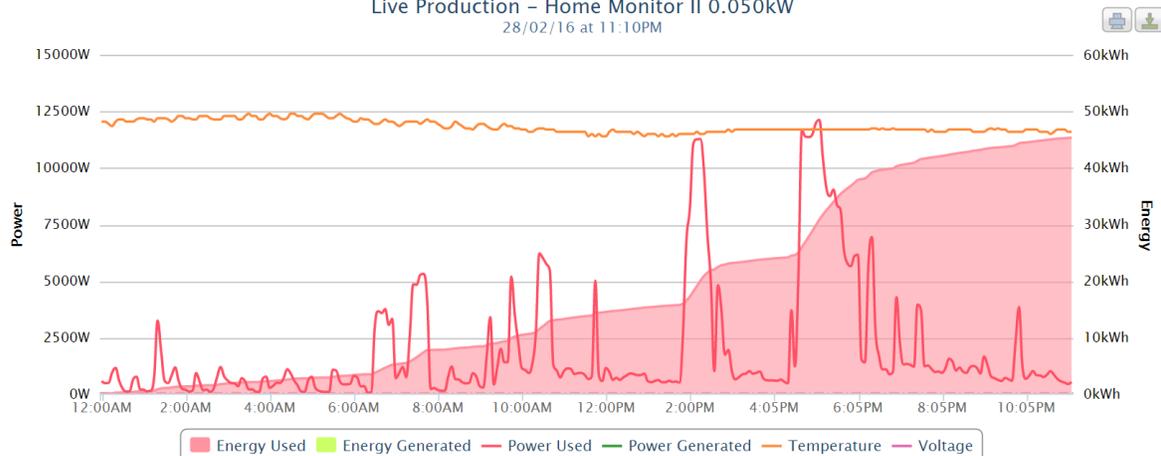
11. Click on 'Your Outputs' to view your energy monitor.



You are logged in as **testing2016**

[Add Output](#) [Your Outputs](#) [Latest Outputs](#) [PV Ladder](#) [PV Donut](#) [Daily Outputs](#) [Live Outputs](#) [Teams](#) [Favourites](#) [Settings](#) [About](#) [Logout](#)

Live Production - Home Monitor II 0.050kW  
28/02/16 at 11:10PM



This concludes the setup on [PVCOutput.org](https://pvcoutput.org)