EFFORTLESS CONTROL

NETTHINGS®

ENERGY MANAGER   USER GUIDE

Electricity Usage : Basingstoke Branch   NETTHINGS®

⚡ £1.58/h

| Instantaneous Energy | 12.2kWh | Current Tariff | £0.13 |
| Total Daily Output | 63kg | Account Balance | £28.30 |
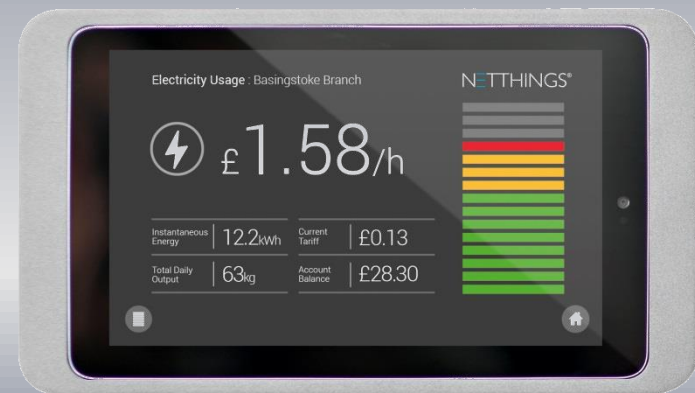
Energy Manager – Quick Start Guide

. **WELCOME TO YOUR NEW NETTHINGS ENERGY MANAGER**

We hope you find it very useful in keeping you up to date with your household energy spend. Take some time to get familiar with the product and learn about its display functions and how it will provide you with information which will assist you save on your energy bill

Energy Manager for the home is a sophisticated but low cost, mains powered energy monitoring solution that saves money by helping you reduce your energy consumption.

The mounted display is the user interface for the connected utilities and will be your gateway to your energy consumption and spending information.

The system works independently from your utility provider, they have no control over the device, however it uses the utility meters to calculate your energy consumption and calculate your spend.

The system can be wired with up to six inputs for measuring electricity, gas, water, district heating schemes or to monitor the electrical output from solar PV systems.

On-going energy consumption and costs are stored continually within the system and viewed on your home display showing real time energy usage or historical consumption information.

No connection to your existing broadband is required.

We are continually improving and releasing new and exciting changes to our product, so keep yourself up to date by visiting
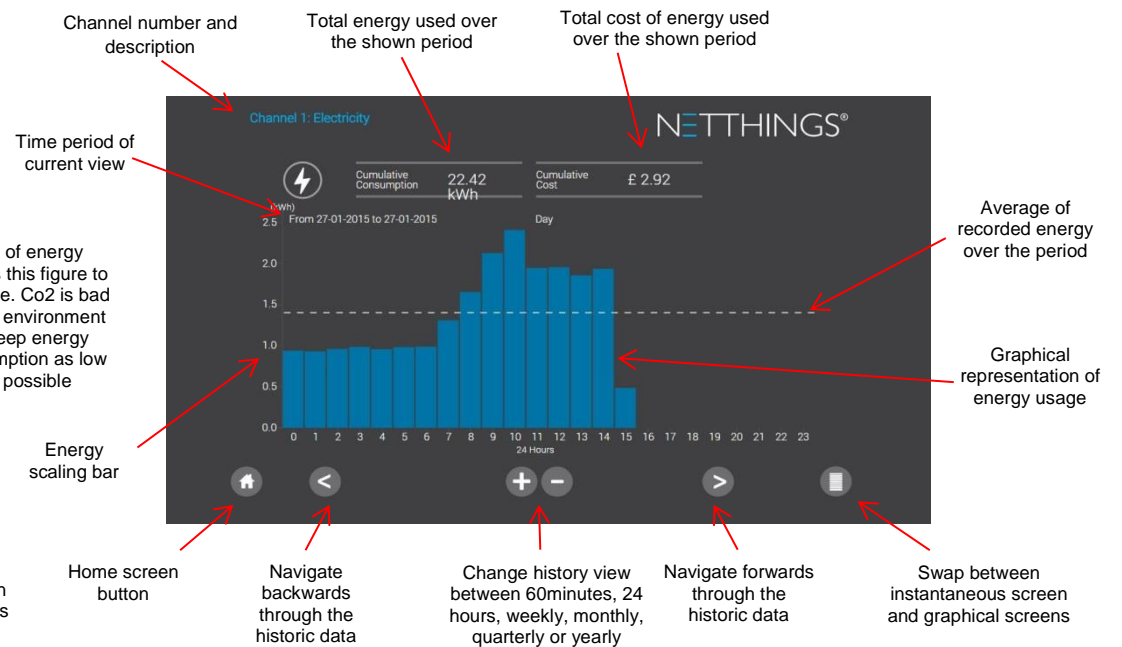
www.netthings.co.uk

INFORMATION DESCRIPTIONS

There are two screens that will be shown for each connected channel
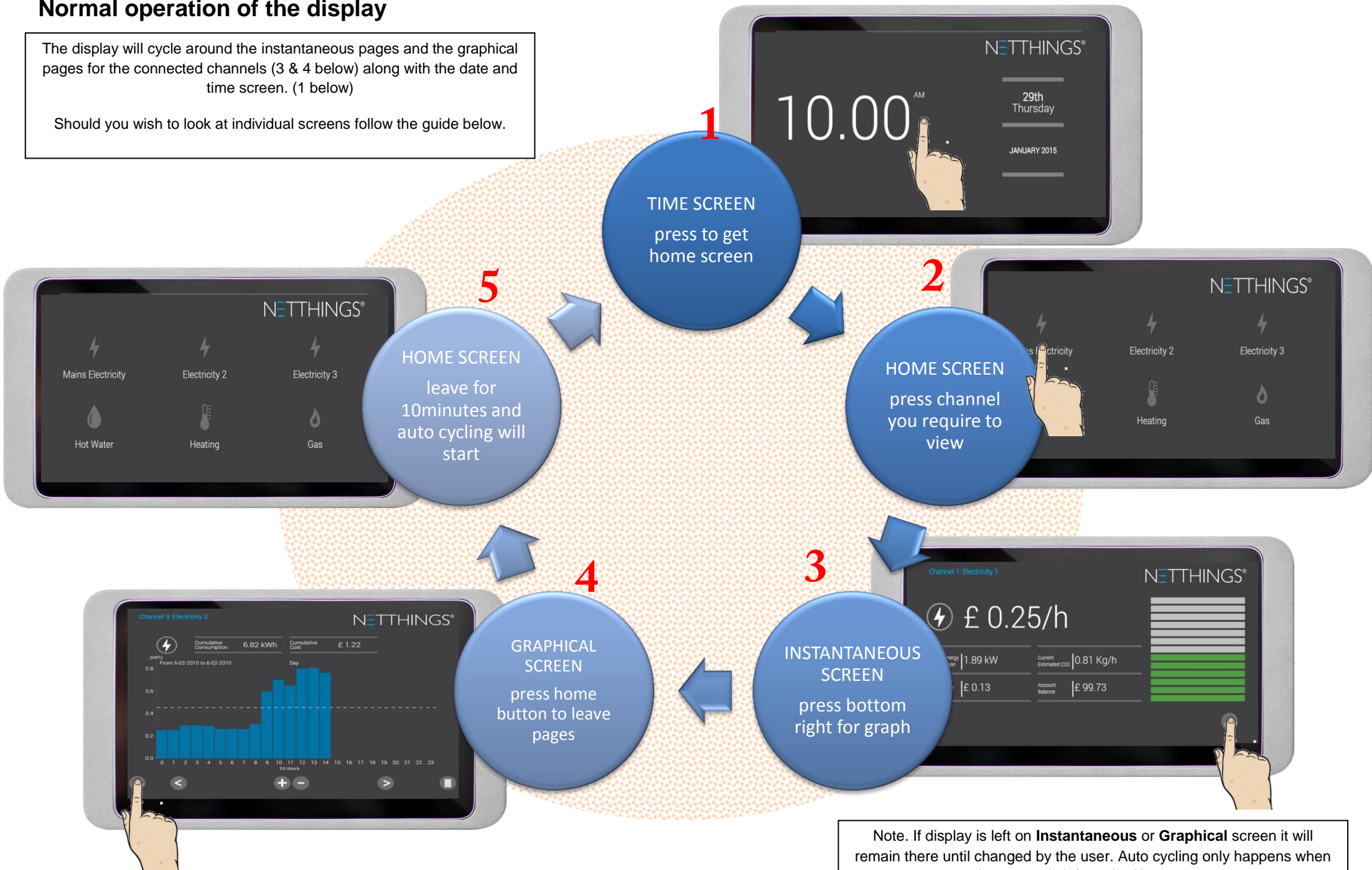The first shown below gives general information about your energy use.
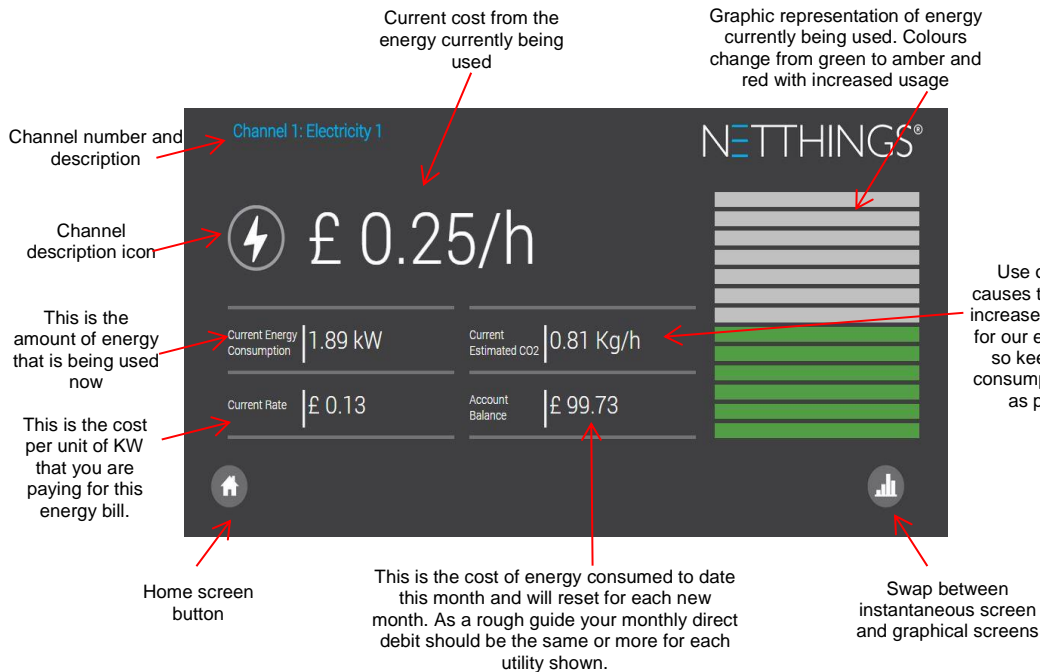
The second screen, shown below gives a breakdown of historic energy consumption over time and this will be at default setting of the current 24hour period.

Current cost from the energy currently being used

Graphic representation of energy currently being used. Colours change from green to amber and red with increased usage

Channel number and description

Total energy used over the shown period

Total cost of energy used over the shown period

Channel number and description

Channel description icon

Time period of current view

Average of recorded energy over the period

This is the amount of energy that is being used now

This is the cost per unit of KW that you are paying for this energy bill.

Use of energy causes this figure to increase. Co2 is bad for our environment so keep energy consumption as low as possible

Graphical representation of energy usage

Energy scaling bar

Home screen button

This is the cost of energy consumed to date this month and will reset for each new month. As a rough guide your monthly direct debit should be the same or more for each utility shown.

Swap between instantaneous screen and graphical screens

Home screen button

Navigate backwards through the historic data

Change history view between 60minutes, 24 hours, weekly, monthly, quarterly or yearly

Navigate forwards through the historic data

Swap between instantaneous screen and graphical screens

# Normal operation of the display

The display will cycle around the instantaneous pages and the graphical pages for the connected channels (3 & 4 below) along with the date and time screen. (1 below)

Should you wish to look at individual screens follow the guide below.

1

NETTHINGS®

10.00 ᴬᴹ

29th
Thursday

JANUARY 2015

TIME SCREEN
press to get home screen

2

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Mains Electricity   Electricity 2   Electricity 3

Heating   Gas

HOME SCREEN
press channel you require to view

5

NETTHINGS®

Mains Electricity   Electricity 2   Electricity 3

Hot Water   Heating   Gas

HOME SCREEN
leave for 10minutes and auto cycling will start

4

Channel 3: Electricity 3   NETTHINGS®

Cumulative Consumption 6.82 kWh   Cumulative Cost £ 1.22

(kWh) From 6-02-2015 to 6-02-2015   Day

GRAPHICAL SCREEN
press home button to leave pages

3

Channel 1: Electricity 1   NETTHINGS®

£ 0.25/h

Energy ...tion |1.89 kW   Current Estimated CO2 |0.81 Kg/h

£ 0.13   Account Balance |£ 99.73

INSTANTANEOUS SCREEN
press bottom right for graph

Note. If display is left on **Instantaneous** or **Graphical** screen it will remain there until changed by the user. Auto cycling only happens when the screen is left on the **Home** page

# How to see the information on your tablet or PC
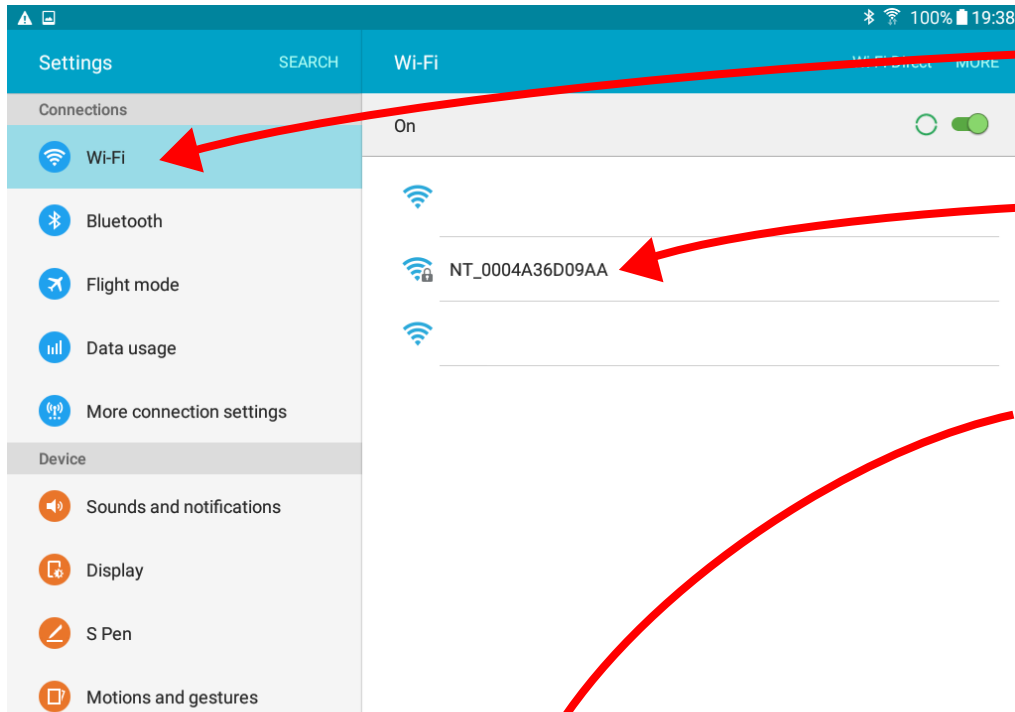
1. Open the settings menu on your device and go to 'Wi-Fi '

2. Select 'Wi-Fi' and look for the signal coming from your Netthings controller which should look like this **NT_0004A36D09AA**
   _Check your controller label for the correct SSID_

3. Select your Netthings Wi-Fi and enter the password that will be shown on your controller an example is **64be5679c69f**
   .

Your device will now connect to the Netthings controller

NT_0004A36D09AA
Checking the quality of your Internet connection...

NT_0004A36D09AA
Connected
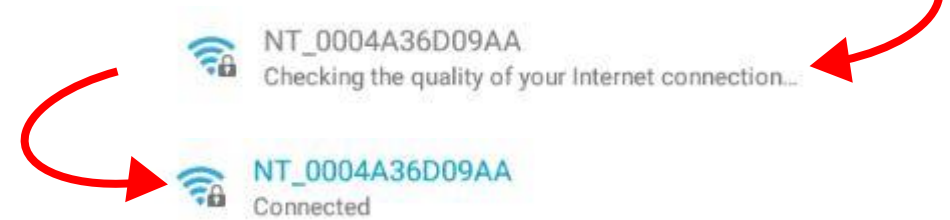
Once connected proceed with step 4

4. Open your web browser application and in the search bar enter this address **172.16.0.254**
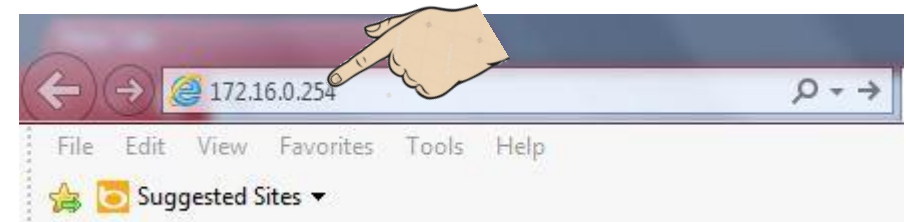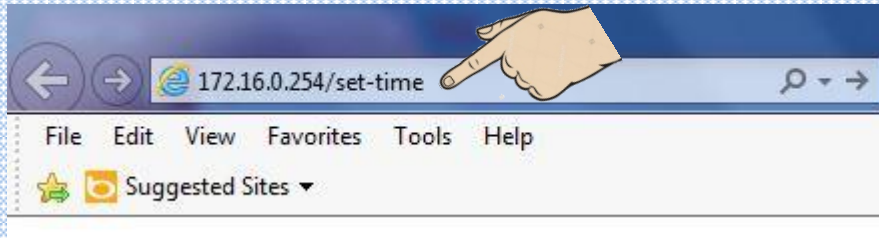
5. Your tablet or PC will now show the screens as seen on the Netthings display and now can be operated from your Wi-Fi device.
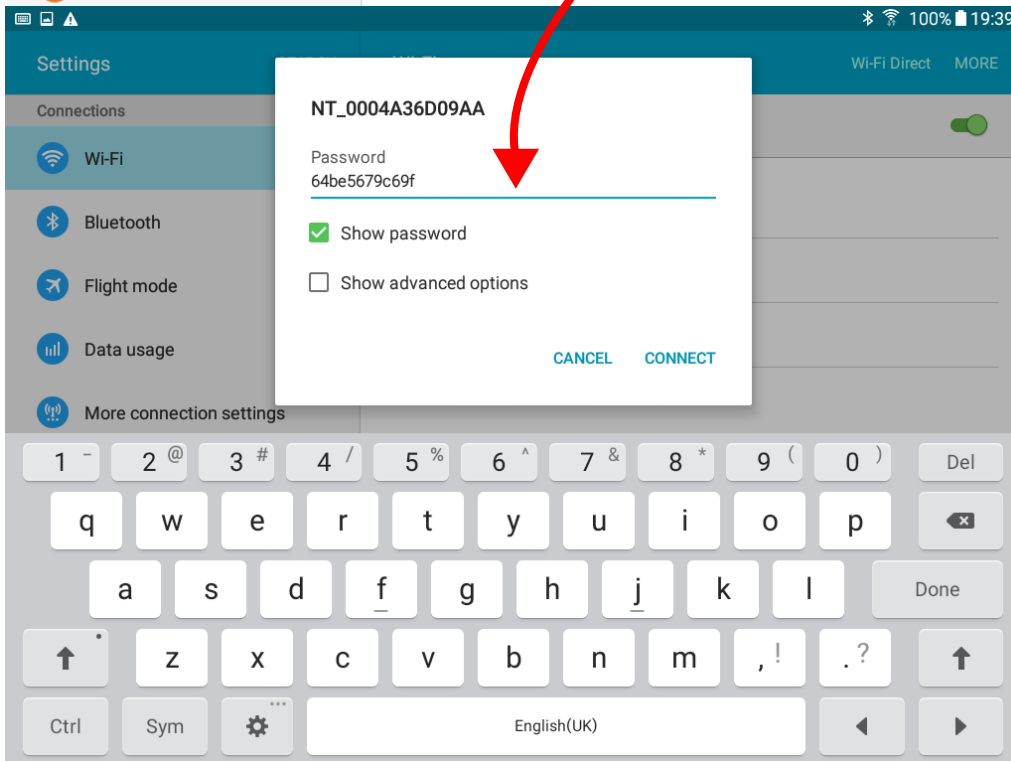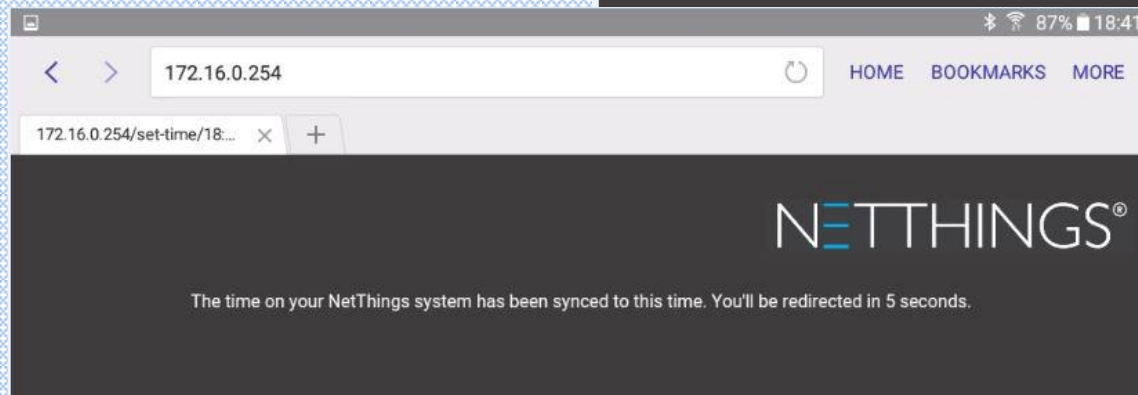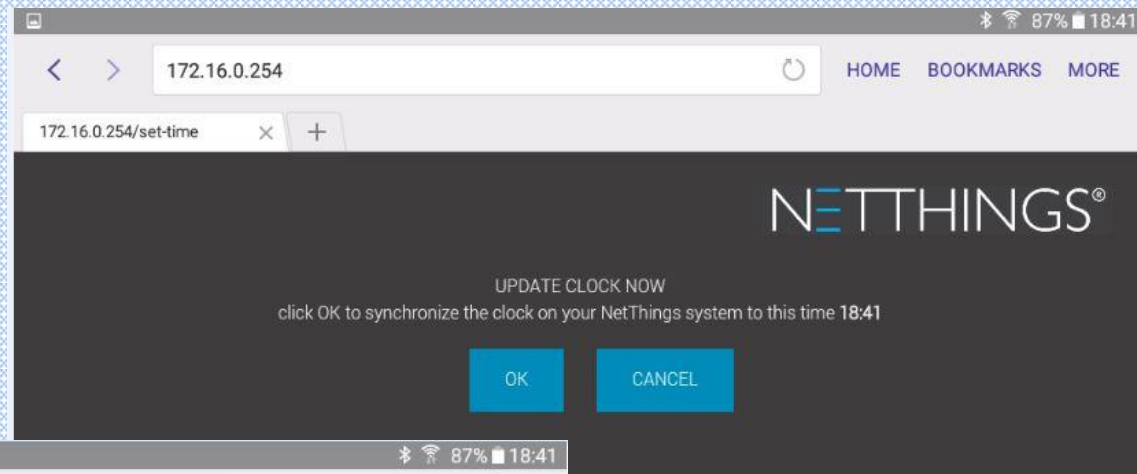
Setting the time on the display

As the controller isn't directly connected to the World Wide Web it cannot be 100% accurate with its internal clock. If you wish to adjust this follow the steps for connecting a tablet or PC but for step 4 enter this address. **172.16.0.254/set-time**


This will show the following screens and allow time to be set correctly.

UPDATE CLOCK NOW
click OK to synchronize the clock on your NetThings system to this time **18:41**

OK   CANCEL

The time on your NetThings system has been synced to this time. You'll be redirected in 5 seconds.

Yellow Warning Banner Message

If any of the screens on your display show the <u>yellow warning</u> banner then your system may not be correctly setup. Please contact Netthings via the on screen number and we will advise you on this
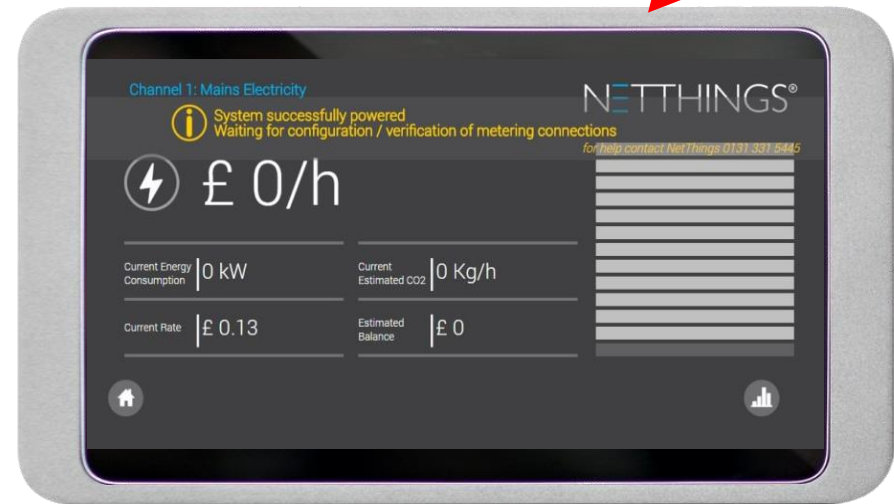
If this screen is shown then your installer has not completed all installation steps.

<u>Your Energy Manager is not ready for use</u>

Please contact Netthings on the number shown and we will advise you on how to resolve this.
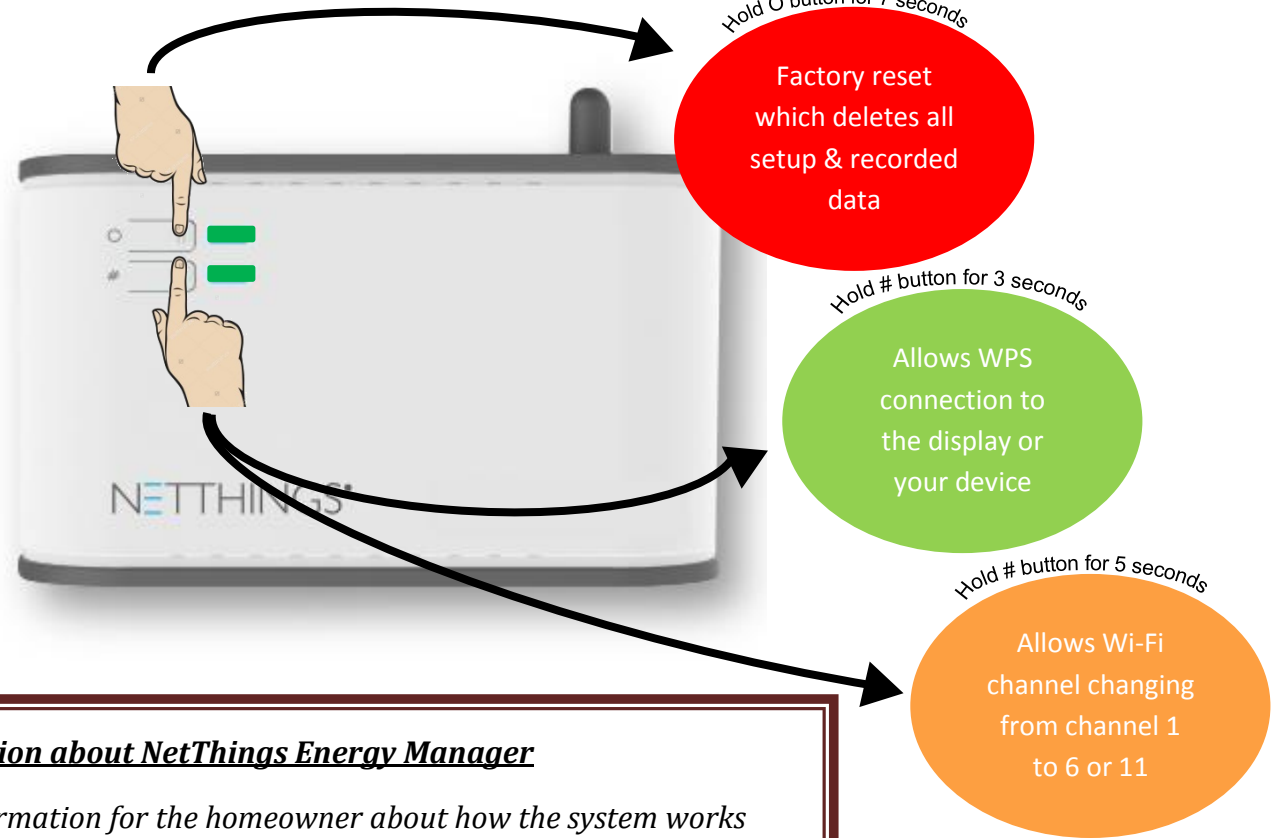
Additional Information

Changing Settings

You may wish to change some of the factory settings and fine tune your device to your home. The most common thing that you may wish to change is the tariff setup for your utility supplies. We have set default rates that will allow the system to operate sufficiently but should you want to adjust these, for more information go to

www.netthings.co.uk/support

What do the buttons do?

The controller has two buttons beside the green flashing lights which are mainly used for set up purposes. The illustration shows three functions that can be performed.

The colour of the LED changes and stops flashing momentarily when the buttons are held for the indicated number of seconds

Hold O button for 7 seconds

Factory reset which deletes all setup & recorded data

Hold # button for 3 seconds

Allows WPS connection to the display or your device

Hold # button for 5 seconds

Allows Wi-Fi channel changing from channel 1 to 6 or 11

Information about NetThings Energy Manager

We have included this as information for the homeowner about how the system works alongside a home Wi-Fi network.

You do not need to have your home Wi-Fi connected to the Energy Manager system in order for it to function. The system broadcasts its own signal to transfer the information to your home display.

No external World Wide Web pages can be shown on the NetThings home display

PLEASE TAKE NOTE

CARE AND MAINTENANCE
The NetThings Energy Manager and Display require no regular maintenance. Do not spray with water or any cleaning products, which may damage the surfaces or cause a risk of electric shock.

SERVICE AND REPAIR
This equipment is NOT user serviceable.
Please do not dismantle the unit. For alterations to the connected utilities please consult a suitably qualified electrician. In the unlikely event of a fault developing please refer to the **SUPPORT** section on our website.