



trio | energy monitor

User instructions (update)

Introduction

At long last we can bring you the 7" touch screen we have been striving to achieve and I am sure you will be as impressed as we have been! It has been a long search to find something suitable and that does not become obsolete the moment you see it.

We are also introducing the heating functionality, plus a number of other 'behind the scenes' performance improvements.

These instructions will tell you about the new display and heating screens.

The Asus computer will continue to operate as your hub and communicates over wifi to the new screen. This means you are able to put the Asus out of sight close to your router. Our installers will set up the new display for you. Thereafter, please follow the following instructions where needed.

The new screen works purely as a display and so you are able to switch it off independently of the Asus. However, the display does have its own timer and will go to sleep between the hours of 22:30 and 06:00. (*Just tap the screen to wake up*) If you do switch off the Asus please ensure that you switch it back on first before the new display.

The display periodically checks to make sure it has communications to the Asus hub. Should there be loss of signal for a period of 15 minutes or more, then you will be shown a help screen to make suggestions on how to get everything running again. The most common issues are the Asus hub being switched off or your in-home network being changed or powered down.

If the display is using wireless and changes are made to the network (*such as a new router or modified security settings*), then you will be asked to re-configure the network connection. The network wizard will lead you through the steps to select and configure your network and then select your Asus hub.

The Heating Function



Our installers will have set up three new sensors.
These are all temperature sensors:

- one monitoring your indoor temperature
- one monitoring the temperature outside
- one which monitors your hot water and radiators

The Screen Saver



The first thing you will see is that we have added four icons to the 'g-bug, display.

 = Radiators

 = Hot water

The two icons on the left hand side of the screen show you when your boiler is on. Each one has three states:

- Greyed out: the boiler is off and the pipes are cold
- On and flashing: the boiler is burning and putting heat into the system
- On and steady: the pipes are hot but the boiler is not actually burning

You are therefore able to see at a glance when your heating system is on. There is inevitably a bit of thermal lag in the system and so you may hear the boiler fire up but not see the icon come on for up to a minute. Equally, you may hear your boiler go off but the icons may take a minute or so to go off. The response times depend on a number of factors such as insulation and sensor location.



The two icons on the right of the display show you the current outside and inside temperatures.

The Heating Screen



We have added a new heating screen as designated by the “**C**” symbol on the bottom menu.

This screen has two halves: the upper portion shows you the inside and outside temperatures plus a “desired temperature” which you can set in the “settings” screen.

If the inside temperature is less than the desired setting the difference will be coloured blue: if inside is hotter than desired the difference will be coloured red.

The bottom half of the screen shows you when your heating system is on. It does this by working out how long it burns every quarter of an hour.

Looking at these two graphs in conjunction can show you a number of things: e.g.

- You can see how quickly your home cools overnight and therefore how well insulated your home is.
- You can see how quickly it heats up when the boiler comes on
- You can see what time settings you have on your boiler and if you should reduce them
- You can see when you have the thermostat set higher or lower than your desired setting

Troubleshooting



In the unlikely event the wireless touch screen loses connection with the Trio host system you will notice that the usual Trio interface is not displayed. In its place you may notice a screen like the one above. This step by step Wizard is designed to guide you through the setup of the network or to troubleshoot a problem with the Trio host system.

Your wireless touch screen is most likely to have been setup using a wifi network. By clicking on the "using a wifi network" button you will be presented with the screens listed below. Each screen has clear instructions on how to proceed to the next step.

- Select a wifi network
- Full scan for Trio Systems



If the touch screen remains connected to the wireless network but loses connection to the Trio host system for some reason, you will notice a screen entitled: “Trio system unreachable”. This screen presents you with possible causes and solutions to this problem.

Before proceeding with the steps mentioned on this screen, we recommend you check the network cable connecting the Trio host system to your router/modem and check that the modem is turned on. It is also advisable to restart the Trio host system in the event there has been a power cut. After 2-3 minutes proceed by either selecting “Restart” to restart the touch screen or “find trio” to search for the recently restarted Trio.

We hope you find this new combination of the touch screen and heating functionality a big step forward and we look forward to getting your feedback.

If you have any problems or further suggestions please contact us on:

**cservice@greenenergyoptions.co.uk
GEO helpline on 01223 850 218**

Thank you for your support from the team at GEO