



Vanguard Wi-Fi User Friendly Guide



An introduction to Vanguard Wifi

The new *Vanguard Wifi* aluminium electric radiator has the most advanced electronic controls ever seen on an electric radiator.

These controls make the new *Vanguard Wifi* Highly energy efficient.

Once you have paired your radiators to your app, you no longer need to touch the radiator, you can control everything from the app.



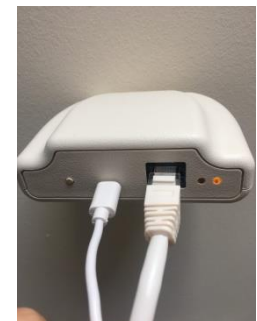
Here is what you will need:

As many Vanguard radiators as you need to heat your home
1 x Vanguard Wifi Gateway per property.

- Here are the parts that you will get in your Vanguard Wifi box:
- The cable in the u shape is the ethernet cable, plug one end into the Vangate hub and the other end into your own internet router
- Plug the USB end of the coiled cable into the top of the 3 pin plug and the other end into the Vangate hub



Now plug this in to a nearby socket and watch the lights on the back. After a few moments, you should see the light on the right as a solid orange and the light on the left will blink green every 5 seconds.

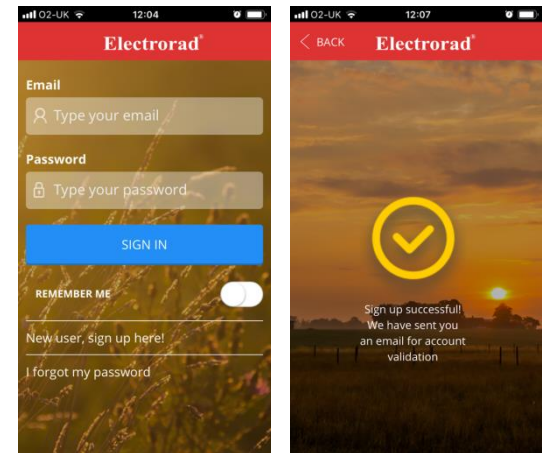


Now you need to download the Electrorad App.

The app is simply called Electrorad and looks like this:
Download this from the app or play store.

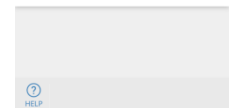
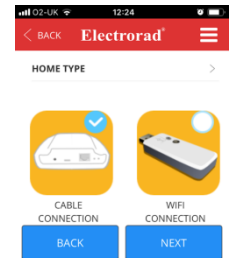
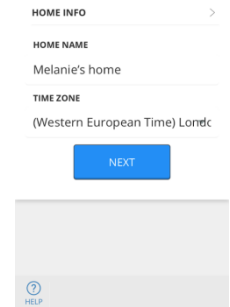


- Open the app up and click on 'new user, sign up here'
- Type in your e-mail address
- Type in a password
- Re-type your password
- Tick the box to accept the terms and conditions
- Now click sign up
- You will then see sign up successful and will be prompted to check your e-mails. You might need to check your junk folder too if you don't see anything in your inbox. The e-mail is from Electrorad and is titled 'welcome to Electrorad.'
- Open the e-mail to click on the link that has been sent to you to verify your account.
- Now when you close your app down then re-open it, you will be asked to sign in, at this point its worth ticking the 'remember me' tab.



To pair the Vangate to your app

- Open up the app on your mobile device. Make sure that this device is on the same wifi network as the Vangate hub is.
- Type in the name of your home
- Select the time London zone
- Click next
- Make sure the blue tick is in the cable connection box and press next.
- Now press the little button on the Vangate hub for 3 seconds

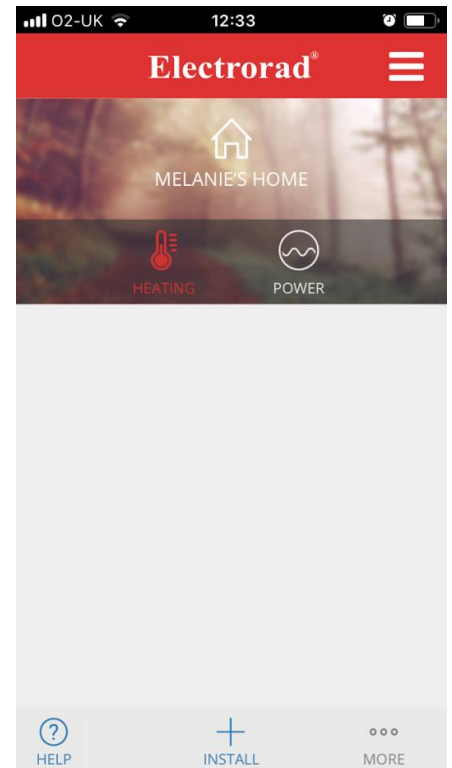


In order to find your Smartbox, press the button located at the front side of the device. Please make sure that it is correctly connected to your WIFI network.

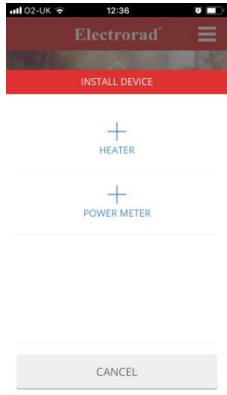


The app should now be paired

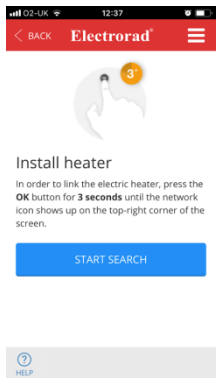
- Your phone should now pair with the Vangate.
- If it doesn't, see trouble shooting
- You will see this screen
- Press the install button at the bottom



Pairing the app to your radiators



Press + Heater



Press start search

On the radiator, press and hold the 'mode button for 3 seconds

Your radiator and app will now be paired and the radiator will appear in the app



Testing the radiator on the app

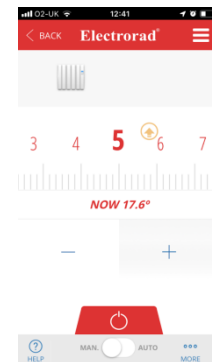
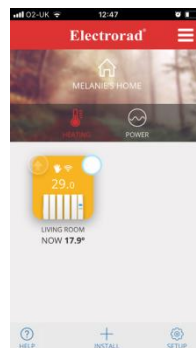
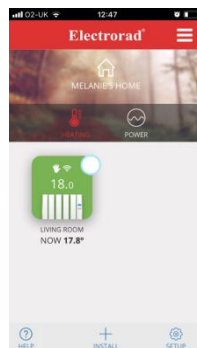
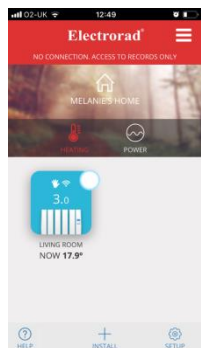
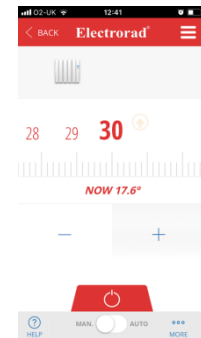
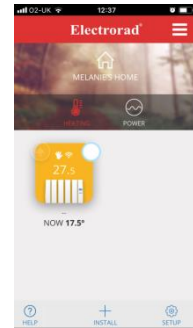
You should now see the radiator has appeared on the app as such.

To test this is being responsive, if you click on the square, you can scroll along the temperature bar to adjust the set point.

If you scroll beyond the current room temperature to ask the radiator to achieve a higher set point, you will see the set point temperature on the radiator change and the heating symbol 93 wavy lines should come on to symbolise that the radiator is calling for heat on the right hand side.

You will see the change too when you turn the set point temperature below the current room temperature. This time the heating symbol will vanish to show the radiator is not in heating mode.

You may also notice that the square that symbolises your radiator on the app changes colour. A yellow square means the radiator is heating, green means the radiator has achieved set point and is maintaining and blue means that the radiator is not heating.

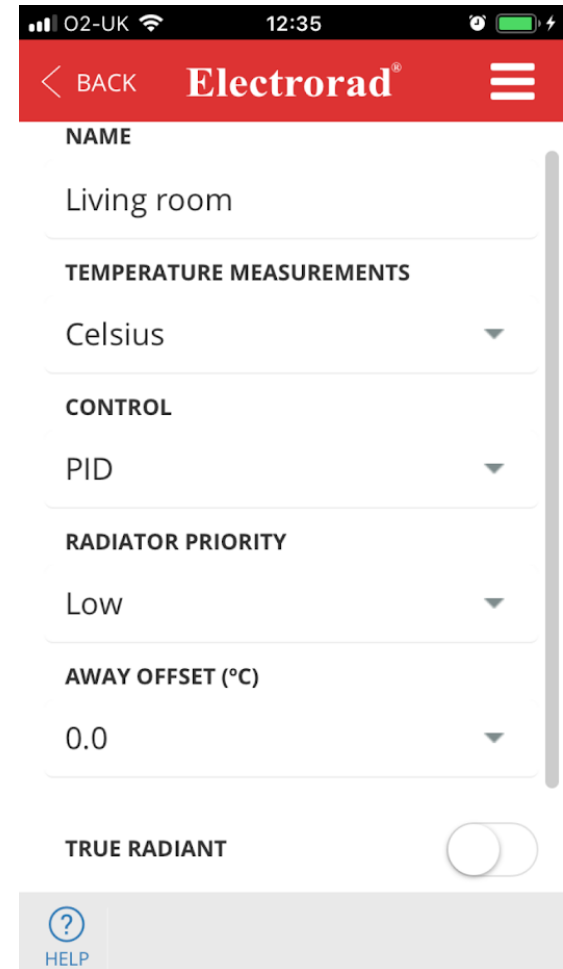


Setting up the radiator

When you click on the radiator icon on the app, click more at the bottom right, then click set up, here you can set up the radiator and call it whatever you want, for example, Living Room, Kitchen or Joseph's Bedroom. Then just press back and you will see on the home screen that your radiator is now named accordingly.

From this set up menu, you can also control:

- Temperature Measurement - Amend the temperature to be shown in celsius or fahrenheit
- Control - Have control over the accuracy of the thermostat (Hysteresis) PID – (proportional integral derivative) is accurate to 0.1 degree. This means that the radiator will switch off when the room temperature reaches your chosen set point and will then come back on when it falls 0.1 degree below it.
- Radiator Priority – This is to manage your total power load in your house if you have a limited capacity – most people don't need to use this at all and can happily run all of their radiators at any one time. If your home doesn't have a large enough power supply to run all the radiators at the same time, you can prioritise which radiators are most important to you to be on. For example, you might prioritise your living room as high, hall way as medium and spare bedroom as low.
- Away Offset – This is for when you use the geo location feature. Here is where you select how many degrees you would like the radiator to drop by when you are not at home.
- True Radiant – This is where you choose if you want to use the adaptive start function or not when you are in a timed mode. So if you want the radiator to come on in a morning at 7 o'clock, or do you want the room to have achieved the set point by 7 o'clock. The radiator will learn the heating characteristics of the room and learn what time it needs to come on to achieve the set point. This is an energy saving feature so you are not putting your radiator on longer than you need to.
- Window Mode – This is where if the radiator senses a door or window has opened, it will turn off. Again this is an energy saving feature so that you are not heating the room if someone has opened a window.



Selecting set point temperatures for your radiator.

We can set 3 different temperature settings on the Vanguard Wifi radiator using the app. Once you have selected one of these temperatures, the radiator will heat until the room reaches your desired set temperature, then it will click off. Once it falls below the set temperature, it will come back on again to maintain your set point. It will click on and off as it needs to hovering around a luke warm temperature to maintain the set point accurately. We call these different set point temperatures:

- Comfort – Which is when you want your home to be nice and warm
- Economy – Perhaps for during the evening or maybe when you are not going to be home for a bit during the day.
- Anti-Frost – mainly used for when you are going away on holiday – we advise setting this to 5 degrees c.

To set these temperatures,

From the home screen where you can see your radiators as square icons, click on the radiator that we are currently trying to set up, ie living room

Now Click 'more' in the bottom right of the screen

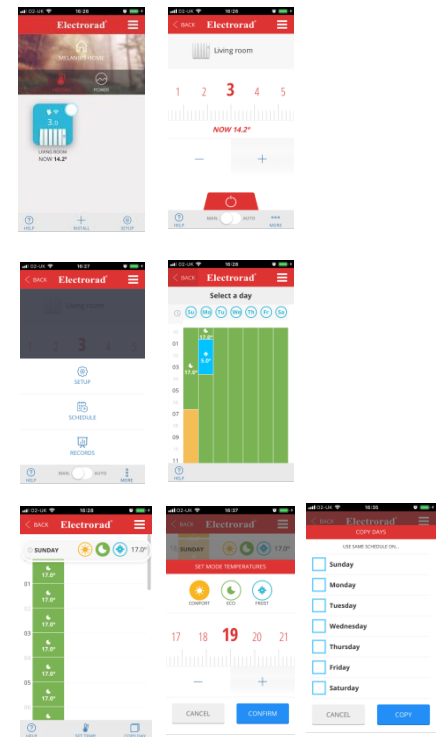
Now click 'schedule'

Now click on the day you are setting up, the app shows Sunday first, so that's a good place to start

You will then see 3 icons along the top. A yellow sunshine – to represent your comfort set point temperature, a green moon – to represent your economy temperature set point and a blue star – to represent your anti-frost temperature set point.

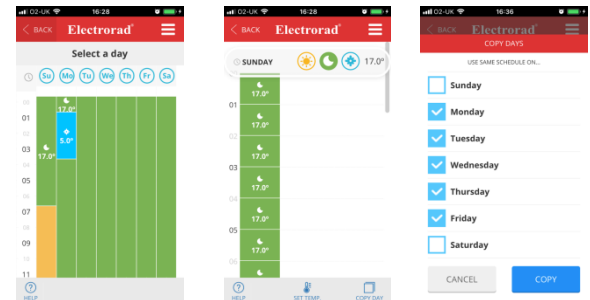
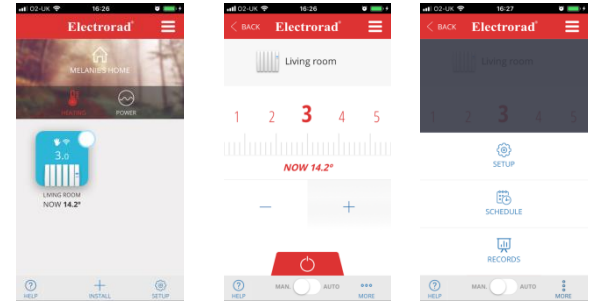
Click on each of these in turn and you will be presented with a temperature bar. Scroll sideways to select your chosen temperature, then press confirm. Now repeat this for the other 2 temperature settings.

You can now move on to set the timings on the radiator too, so you can set each radiator to come on and off at your chosen set point temperatures at times to suit you, meaning in theory – you will never need to touch the radiator or app again!!



Setting a timing schedule

- From your home screen, click on the square of the radiator that you want to set a schedule for
- Click more
- Click Schedule
- Click on the day first day you would like to set a schedule for
- The numbers down the left hand side represent the hour of day The symbols along the top represent the temperature setting. The sunshine represents your comfort temperature, the moon represents your set back or economy temperature and the blue star represents your anti-frost temperature.
- To select your economy temperature, you need to press on the moon icon in green, then press on every hour of that day when you want your radiator to reach this set point.
- Then press on your sunshine icon in yellow and click on every hour you want the radiator to achieve your comfort temperature.
- Then if you want to select your anti-frost set point for any hours of the day, click on the blue star icon and then click on the hours of the day that you wish the radiator to achieve this temperature.
- Once you have completed the first day, you can then press 'copy day' at the bottom right hand corner, you will then be presented with a list of the days of the week. Press in each blue box of the day you wish to copy, then press copy.



Trouble shooting

COMPLAINT	Possible Resolution
No link symbol – wont connect to WiFi	If you cannot see the link symbol, or if your radiators have lost connection to the radiators, you will need to re-associate the radiators to the gateway by pressing the discovery button on the Vanguard Wifi Gateway hub for 3 seconds. This is the only small button on the front
No Power or Display	Check that you have flicked the black on/off switch on the back of the radiator to the 'on' position. Try plug the radiator in a different socket, on a different ring main.
The app doesn't work away from home?	EE customers sometimes have problems with their security. Login to your online EE account or the My EE app and make sure all the content lock is off. Ask EE to check you are on IPv4 standard, not IPv6.
Partial Heating/Cold Spot	All heaters have 1 element in the middle so outer fins can take longer to warm up, but you will still be getting the correct wattage of heat. If you are seeing the heating symbol on the radiator and the radiator is still stone cold, please give us a call.