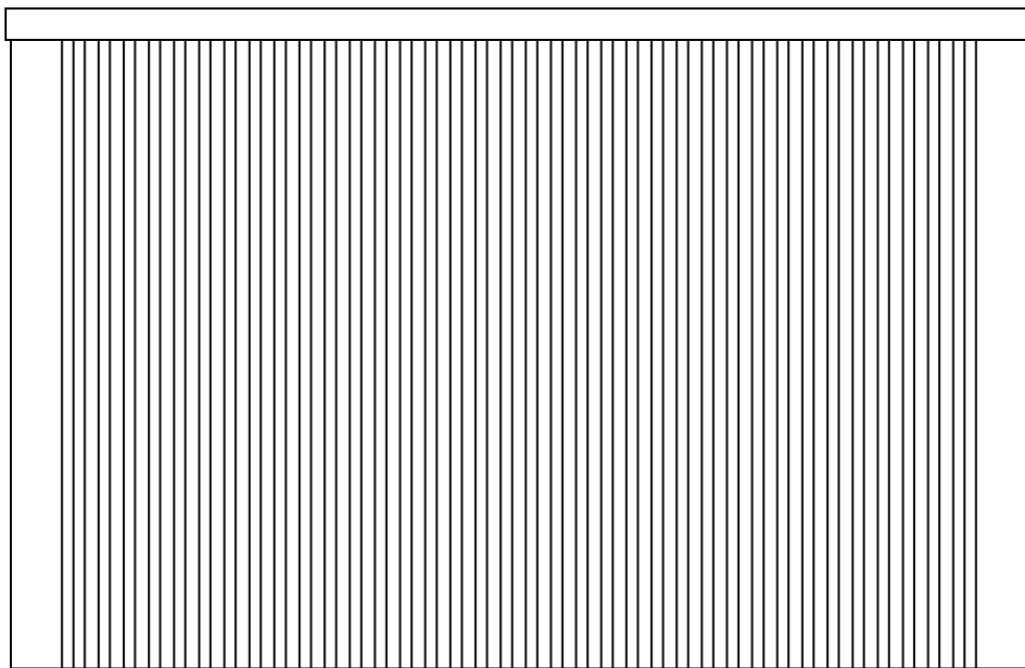


ecostrad

INSTRUCTION MANUAL

Ecostrad Klasse iQ Electric German Radiator



PLEASE READ AND SAVE THESE INSTRUCTIONS

UK
CA CE

Symbols

Warning



This symbol indicates a hazard with an average risk level which, if not avoided, could result in serious injury or death.

Warning of electrical voltage



This symbol indicates danger to the life and health of persons due to electrical voltage.

Do not cover



This symbol located on the device indicates that it is prohibited to place objects (such as towels, clothes etc.) above or directly in front of the device.

To avoid overheating and fire hazards, the device must not be covered.

Hot surface



This symbol located on the device indicates that its surfaces are hot during and immediately after operation.

Hot surfaces should not be touched: danger of burns.

Do not spray



This symbol located on the device indicates that it is prohibited to spray the device.

Observe instructions in manual



This symbol located on the device indicates that instructions in the operating manual must be observed when installing and using the device.

Contents

1 	About the Product	4
2 	Warnings & Precautions	5
3 	Technical Information	7
4 	Installation	8
4-1	Fixings	8
4-2	Wall mounting instructions	8
4-3	Connecting to power	13
5 	Controlling the Radiator	14
5-1	Display	14
5-2	First power on	14
5-3	Standby mode	14
5-4	Heating modes	15
5-5	Settings	16
6 	Wi-Fi Connection	22
6-1	Which application is right for me?	22
6-2	WiFi Connection – Troubleshooting	22
7 	Ecosystem App	23
7-1	Downloading the app	23
7-2	Connecting to the app	23
7-3	Using the Ecosystem app	23
7-4	Device settings	25
8 	Smart Life App	26
8-1	Downloading the app	26
8-2	Connecting to the app	26
8-3	Using the Smart Life App	27
8-4	Device settings	30
8-5	Voice integration	30
9 	Warranty	32
10 	Disposal	33

1 | About the Product

This manual describes the Ecostrad Klasse iQ Electric German Radiator and details how to install and use the product. It is important to thoroughly review this manual before using the product.

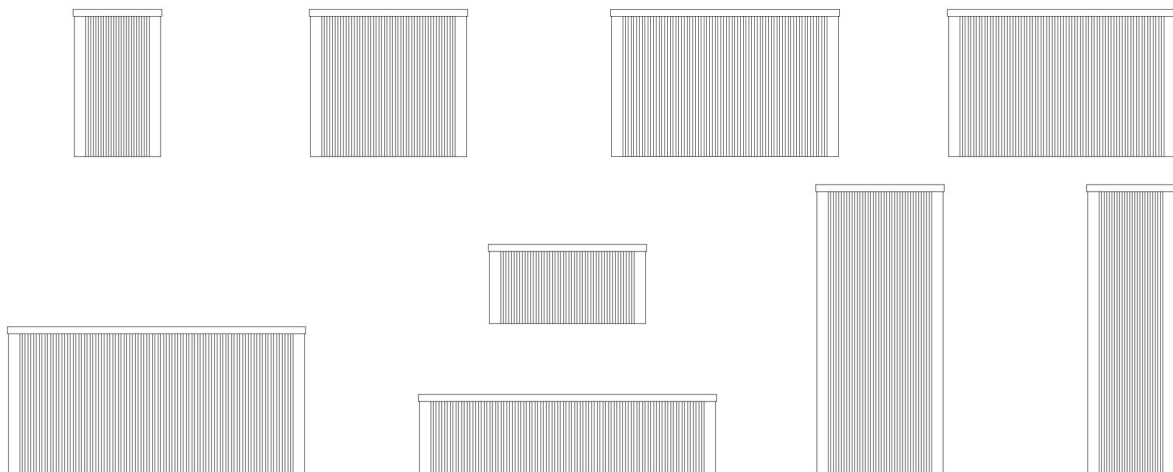
Heat Performance

The Ecostrad Klasse iQ is filled with patented stone elements designed to keep your home warm whilst optimising energy efficiency.

This radiator generates heat by heating elements that are baked into the stone. The stone then works as a thermal mass, storing the heat much more effectively than traditional convector heaters and allowing the radiator to continue heating your room even when it is not using power.

The deep fluted front and back panels of the Ecostrad Klasse iQ increase the surface area and funnel air past the hot ceramic core, ensuring maximum heat diffusion.

For **technical advice** or help concerning the Ecostrad Klasse iQ Electric German Radiator, contact the retail establishment or distributor from which the product was purchased.



2 | Warnings & Precautions

READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS.

Read this manual carefully before using or installing the radiator. Always store the manual in the immediate vicinity of the radiator or its site of use.

Failure to follow the warnings and instructions may result in electric shock, fire, serious injury, or all of the above. Save all warnings and instructions for future reference.

Warning



This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

Warning



Children of less than 3 years should be kept away unless continuously supervised.

Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children aged from 3 years and less than 8 years shall not plug in, regulate, or clean the appliance, or perform maintenance.

Warning



In order to avoid a hazard due to inadvertent re-setting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

Warning



In order to avoid overheating, do not cover the radiator.

Warning



Some parts of this product can become very hot and cause burns. Do not touch the surface when in operation. Do not install close to curtains or other combustible materials. Particular attention should be given where children and vulnerable adults are present.

Warning



Do not use the device in enclosed spaces if persons are present who cannot leave the room independently and are not under constant supervision.

READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS.

- In the event of a fixed connection, an all-pole separator with a minimum 3mm contact opening width must be built in.
- Keep the power cable away from all hot parts of the appliance.
- Do not use the device if you detect damage to the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard.
- All repairs and servicing must be carried out by a qualified person. To avoid danger any repairs must be completed by the manufacturer, a service agent of the manufacturer or a similarly qualified person.
- Make sure that the voltage indicated on the rating plate for this appliance corresponds to your power outlet.
- The device must not be located immediately below or in front of an electrical socket outlet.
- Do not use this device in the immediate surroundings of a bath, shower, swimming pool or any other water container. Risk of electric shock.
- Do not use the device with wet or damp hands.
- No part of the appliance should be submersed in any type of liquid.
- Cleaning should be carried out using a damp cloth only. No abrasive chemicals or materials should be used.
- Never insert fingers or other objects or body parts into the device. Risk of electric shock or injury.
- Do not use any accessories with this device. Use of accessories may cause damage or danger.
- Keep the device at a minimum distance of one metre from curtains and other flammable materials.
- The device must only be installed in an upright fixed position in accordance with national installation rules.
- The device is for indoor use only.
- Temperature differences can cause crackling and other noises in the unit. This does not indicate any failure in the heater.
- Do not use the radiator with a programmer, timer, separate remote control system or any other device that switches the heater on automatically, since a fire risk exists if the heater is covered or positioned incorrectly.
- Make sure the minimum safety distances from walls and objects stated in the installation instructions are observed at all times. This is very important to prevent damage to walls, furniture and soft furnishings and to prevent the product overheating.
- Do not use the device in rooms where contact with flammable or potentially explosive materials like dust, gas or vapour cannot be avoided.
- Do not use the device in rooms or environments that have a corrosive atmosphere.
- Do not operate the device when wet. If the device gets wet during cleaning, allow it to dry out before using.
- Do not expose the device to water jets.
- Do not transport the device during operation.
- Do not sit on the device.
- Do not overload the socket used to power the device.
- Before carrying out maintenance, care or repair work on the device, ensure the device is unplugged. Do not use the cable to tug the plug from the socket. Hold the plug by its housing and pull.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Allow the device to cool down before touching or transporting the device, or attempting maintenance work.
- The device must be placed where the switches and controllers cannot be touched by a person in a bathtub or shower.



3 | Technical Information

Table 1 | Specifications

Heating Element		Magmatic® Heat Retention Tablets.
Voltage		230V 50 Hz
Wattage	Horizontal Vertical Low	500W, 1000W, 1500W, 1800W, 2000W 1200W, 1800W 800W, 1600W
Set Temperature Range		7-30 °C
Set Temperature Resolution		0.5 °C
IP Rating		IP20
Appliance Class		Class I
Power Cable Length		1.8m

Table 2 | Models

Model	Code	Colour	Height (mm)	Width (mm)	Depth (mm)
500W Horizontal	KL-H-05	White	630	380	70
500W Horizontal	KL-H-05-A	Anthracite	630	380	70
1000W Horizontal	KL-H-10	White	630	680	70
1000W Horizontal	KL-H-10-A	Anthracite	630	680	70
1500W Horizontal	KL-H-15	White	630	980	70
1500W Horizontal	KL-H-15-A	Anthracite	630	980	70
1800W Horizontal	KL-H-18	White	630	980	70
1800W Horizontal	KL-H-18-A	Anthracite	630	980	70
2000W Horizontal	KL-H-20	White	630	1280	70
2000W Horizontal	KL-H-20-A	Anthracite	630	1280	70
1200W Vertical	KL-V-12	White	1240	380	70
1200W Vertical	KL-V-12-A	Anthracite	1240	380	70
1800W Vertical	KL-V-18	White	1240	550	70
1800W Vertical	KL-V-18-A	Anthracite	1240	550	70
800W Low	KL-L-08	White	340	680	70
800W Low	KL-L-08-A	Anthracite	340	680	70
1600W Low	KL-L-16	White	340	1280	70
1600W Low	KL-L-16-A	Anthracite	340	1280	70

4 | Installation

4-1 | Fixings

BEFORE BEGINNING INSTALLATION, CHECK THAT ALL FIXINGS IN Table 3 ARE SUPPLIED.

The radiator should only be wall mounted with the manufacturer's fixings.

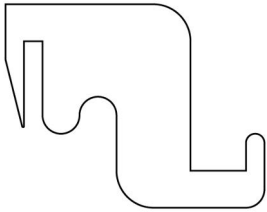
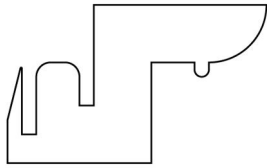
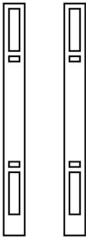



WARNING

The fixings supplied are designed for installation onto solid walls and are not suitable for plasterboard walls.

Alternative fixings may also be required for other non-standard wall types.

It is the responsibility of the installer to evaluate the fitting location and determine if alternative fixings are required.

Table 3 | Fixings supplied with radiator

		
Bottom hooks x2	Top hooks x2	U-rails x2
		
Wall plugs x4	Wall mounting screws x4	Cover locking screws x2

4-2 | Wall mounting instructions

Warning



Before switching on the appliance, make sure that the radiator is correctly fixed and is secure to the wall.

Warning



This device is not suitable for bathrooms and should not be mounted close to water sources.

Warning



Due to its weight, lifting or manoeuvring the device should not be attempted alone.

1. Choose the mounting position, respecting the minimum distances from surrounding walls, ceilings or fixed objects as stated below:
 - 5 cm from the sides to masonry
 - 10 cm from the sides to flammable materials
 - 8 cm from the bottom to the floor
 - 15 cm from the top to flammable building components or covers (e.g. wooden windowsills or shelving)
 - 10 cm from the top to non-flammable building components or covers (e.g. stone windowsills)

WARNING - MOUNTING CLOSER THAN RECOMMENDED CAN CAUSE OVERHEATING OF THE DEVICE AND DAMAGE TO SURROUNDING OBJECTS AND SURFACES.

2. Find the location of the U-rails by selecting the A and B measurements relevant to your radiator model in **Table 4** (refer to **Table 2** to identify your radiator model if unsure).

Table 4 | Drill hole distances by product size

Model	Code	A (mm)	B (mm)
500W Horizontal	KL-H-05 KL-H-05-A	200	180
1000W Horizontal	KL-H-10 KL-H-10-A	500	180
1500W Horizontal	KL-H-15 KL-H-15-A	800	180
1800W Horizontal	KL-H-18 KL-H-18-A	800	180
2000W Horizontal	KL-H-20 KL-H-20-A	1100	180
1000W Vertical	KL-V-12 KL-V-12-A	200	180
1500W Vertical	KL-V-18 KL-V-18-A	370	180
800W Low	KL-L-08 KL-L-08-A	500	180
1600W Low	KL-L-16 KL-L-16-A	1100	180

There should be **A mm** between the U-rails.

The base of the U-rail should be positioned **B mm** off the ground.

- 3. Use the A and B measurements to locate the positions of the U-rails on the wall.

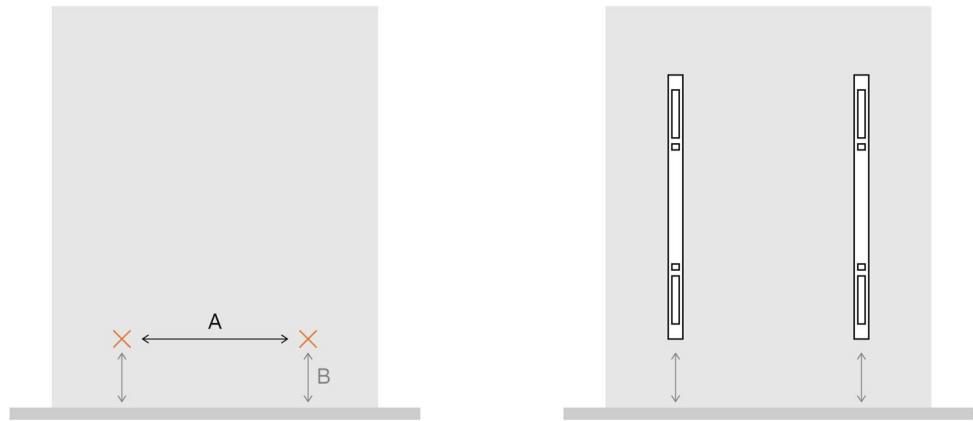


Figure 1 | Finding the U-rail locations

Hold the U-rails against the wall based on the positions established in **step 3**.

- 4. Mark the drilling locations through the holes in the U-rails, as seen in **Figure 3**.
- 5. Drill the four holes and fit the wall plugs into the holes.

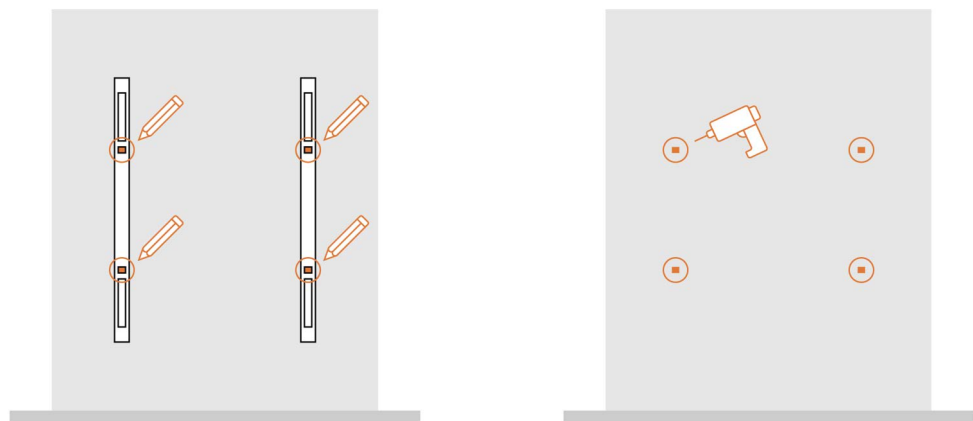


Figure 3 | Finding and marking drill hole locations. Drilling the holes and inserting wall plugs.

Ensure the U-rails are mounted with the U-shaped channel facing the wall, so that there is space for the brackets to be inserted into the slots.

- 6. Use the wall mounting screws to mount the U-rails on the wall.

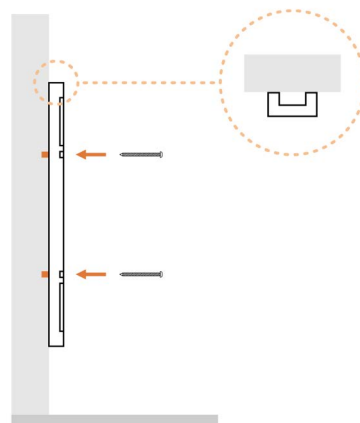


Figure 4 | Attaching U-rails to wall

- Fit the two bottom hooks into the slots on the U-rails with the hook facing up, as shown in **Figure 5** below.

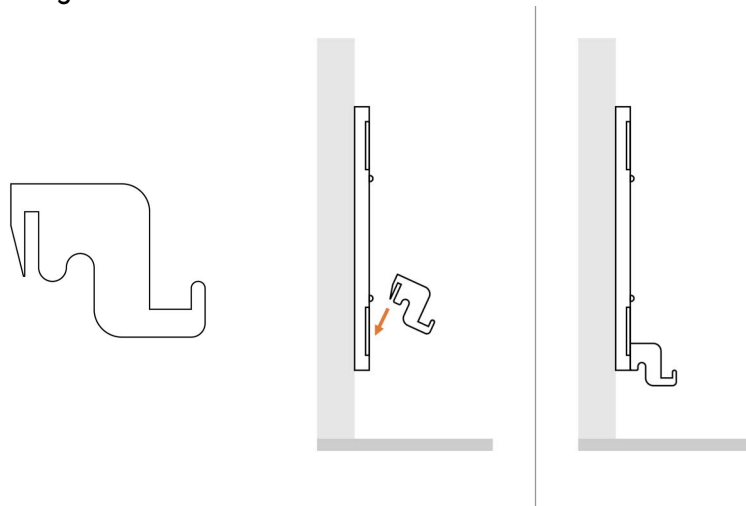


Figure 5 | Inserting bottom hooks

- Insert the two top hooks into the U-rails with the hook facing down.

Pull the top hooks up as far as the slot will allow.

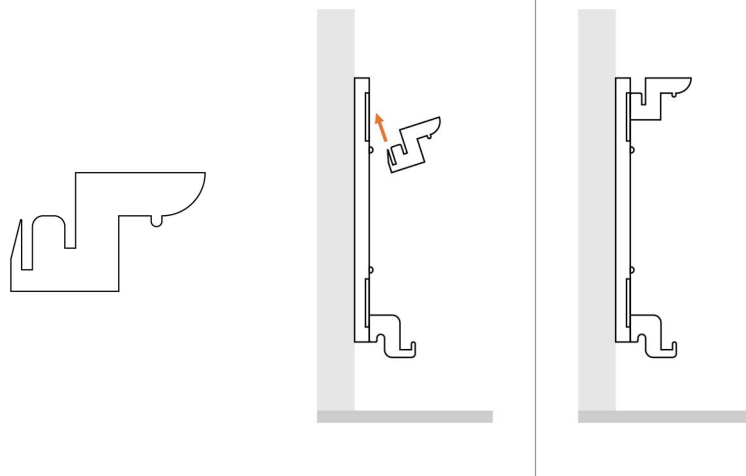


Figure 6 | Inserting top hooks.

WARNING – DUE TO THE WEIGHT OF THE HEATER, IT IS RECOMMENDED THAT THE FOLLOWING INSTALLATION STEPS ARE NOT ATTEMPTED ALONE

- 9. Slot the bottom of the heater onto the bottom hooks so that the bottom hook fits between the ribs on the front of the heater (Figure 7).
- 10. Pull up the top hooks as high as they will go in the wall mounted slots, then slowly push the heater up to vertical.

Do not hook into the ribs on the back of the radiator.

The hook should fit between the ribs on the heater, securely fixed across the core.

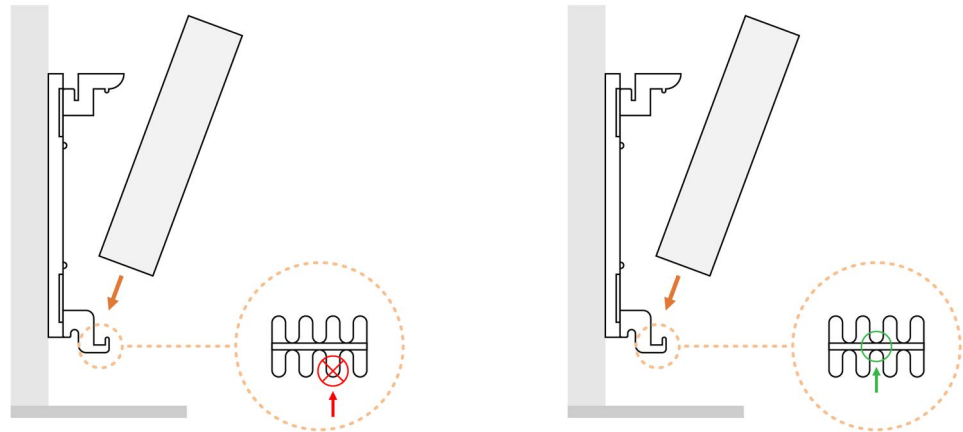


Figure 7 | Slotting the radiator in place. Left: incorrect hook location. Right: correct hook location.

- 11. Press each top hook down into the space between the front ribs on the top of the heater, securing it in place.

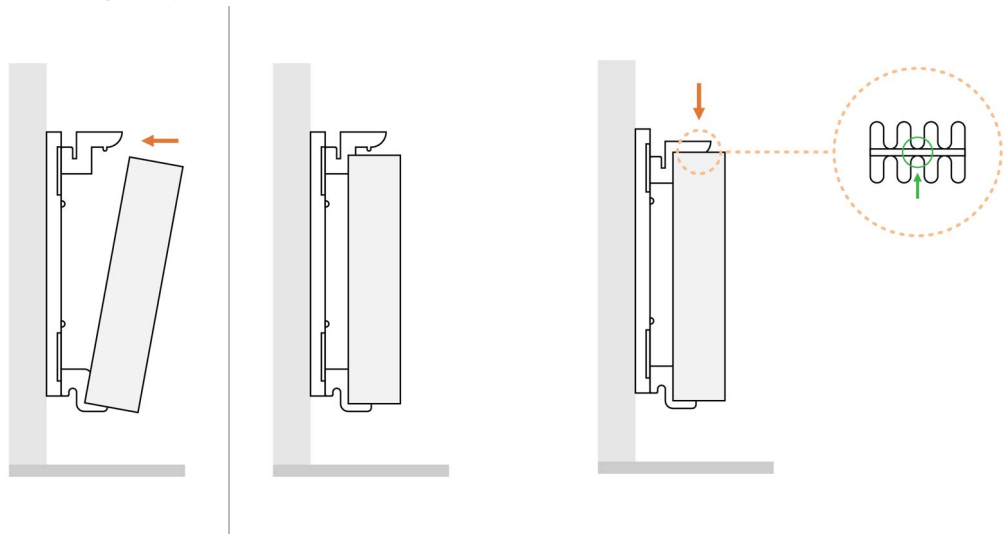


Figure 8 | Pushing radiator up to vertical and securing in place with the top hook

- Put on the heater cover and fix it in place at either end with the cover locking screws.

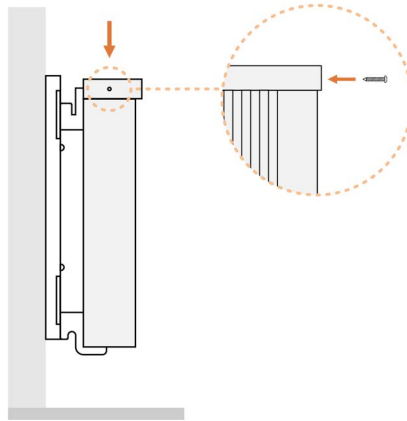


Figure 9 | Fitting cover locking screws

4-3 | Connecting to power

The Ecostrad Klasse iQ arrives with a separate power cable. To connect to power:

- Remove the power cable from the packaging.
- Connect the kettle lead socket to the radiator. The connection point is on the bottom of the end panel.
- Insert the plug into a standard 230V socket.

The Ecostrad Klasse iQ may be hard-wired, providing it is wired by a qualified electrician according to all national wiring regulations.

5 | Controlling the Radiator

5-1 | Display

Short Press:

- ⏻ On/Off
- ∨ Navigate or Decrease
- ∧ Navigate or Increase
- ✓ Confirm

Long Press:

- ⏻ Settings Menu
- ∨ with ∧ Keypad Lock
- ✓ Boost

To long press, hold down the key for 5 seconds.

The LED control panel has 4 sprung buttons and dims automatically after a period of no activity. The buttons have short press and long press functions. See **Figure 10**.

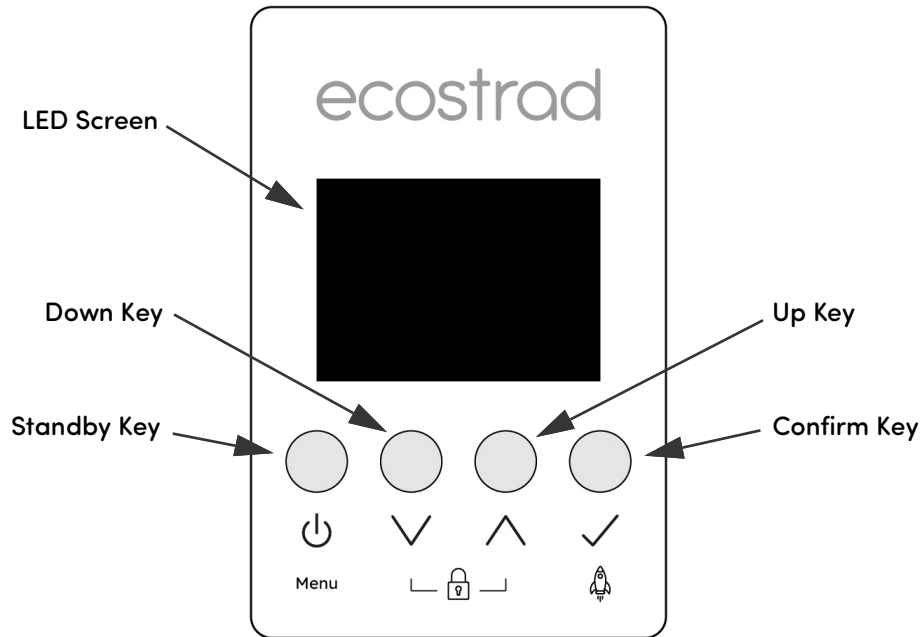


Figure 10 | Control dial display

5-2 | First power on

When the Ecostrad Klasse iQ first powers on, the screen will stay blank for approximately 5 seconds.

After this, the Ecostrad loading screen will appear and the radiator will turn on in manual mode.

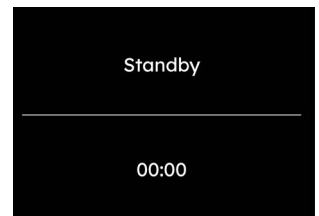
5-3 | Standby mode

Short press ⏻ to toggle between **heating mode** and **standby mode**.


In standby mode, the product will not heat unless frost protection is activated.

When frost protection is active, a snowflake icon ❄️ will appear on the standby screen.

Frost protection will prevent your room temperature from dropping below 7 °C, protecting against damp and frozen pipes. This feature is off by default, but can be activated via the settings menu, see section 5-5-5.



5-4 | Heating modes


Short press  to toggle between **heating mode** and **standby mode**.

The Ecostrad Klasse iQ has 2 main heating modes: manual mode and program mode. There is also a boost mode which can be activated in both manual and program mode.



In all heating modes, if the set temperature is above the room temperature, the radiator will begin to heat (unless heating has ceased due to open window detection or overheat protection).

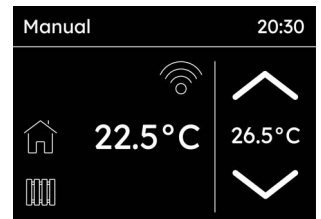
The radiator symbol will appear at the bottom left to signify that the radiator is heating.

5-4-1 | Manual mode

While in heating mode, short press  to toggle between **manual mode** and **program mode**.

In manual mode, the screen will show 'Manual'. In this mode, the radiator will heat the room to a set temperature indefinitely. The radiator symbol will appear when the radiator is actively heating.

Short press  and  to increase and decrease the manual set temperature between 7 °C and 30 °C in steps of 0.5 °C.






5-4-2 | Program mode

In program mode, the screen will show 'Program'. In this mode, the radiator will follow a user-set schedule of 24 heating periods per day.

The program is based on 3 pre-set temperatures (comfort, eco and anti-frost). These can be adjusted in the settings menu (see section 5-5-1).



The pre-set temperature for the current hour is represented on the screen using icons:

-  sun for comfort
-  moon for eco
-  snowflake for anti-frost

The screen will display the room temperature and the time until the temperature in the program changes.



5-4-3 | Temporary override in program mode


To temporarily change the temperature while in Program Mode, simply use the  and  keys.


The temporary override temperature will replace your pre-set temperature until the top of the next hour.

For example, if it is 11:35 and you set a temporary override, the new set temperature will be used for 25 minutes - until the next hour starts (in this case, 12:00).

Use temporary override for brief, temporary changes to your heating. If you need to leave for a short while and want to quickly change the set temperature for while you are gone, temporary override is ideal.

5-4-4 | Boost

Short press  to toggle between heating mode and standby mode.

Long press  while in any heating mode to enter boost mode.




The Ecostrad Klasse iQ is equipped with an easy boost feature which allows you to temporarily change the set temperature for up to 24 hours without altering your current settings.

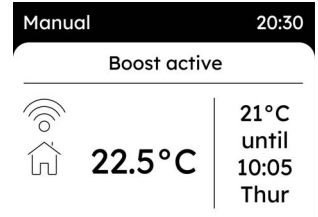
Boost is more flexible than temporary override as it can be used in either manual or program mode and can be set for a much longer period of time.


After the boost is complete, the radiator will return to the previous settings and temperatures.





Boost can be activated in manual mode or in program mode.

To set a boost:

1. Long press  to enter the boost setting screen.
2. Adjust the boost time using  and . The boost time can be set between 1 and 24 hours.




You can cancel the boost and return to the previous mode anytime by short pressing .

3. Short press  to confirm.
4. Adjust the boost temperature between 7 °C and 30 °C in steps of 0.5°C using  and .
5. Short press  to confirm.

While the boost is active, the boost screen will remain over the interface. The time will count down to the end of the boost.

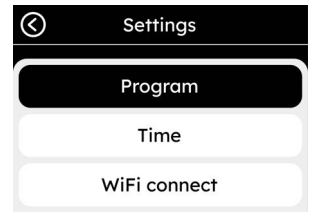
When the boost ends, the radiator will return to the heating mode it was in before the boost was set, with the original set temperature.

5-5 | Settings





Long press  to enter the Settings menu.

The settings of the Ecostrad Klasse iQ are arranged in the Settings menu.

This menu will time-out after 1 minute of no activity. All changes made before the time-out will be saved.




Settings available in this menu are:




Use  and  to navigate through the menu. Short press  to enter a submenu and short press  to go back.


- Program
- Time
- WiFi connect
- Advanced
- Interface

5-5-1 | Program settings

Long press  to enter the Settings menu.

Select **Program** with .


Use  and  to navigate the menu and  to select an option.


Short press  to return to the previous menu.

Pre-sets:




 Comfort

 Eco







 Anti-frost

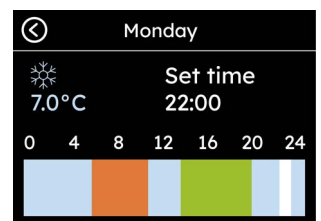
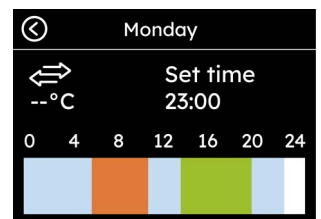
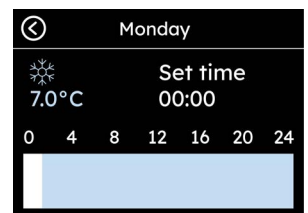
 Navigate

Within the program setting menu, you can set the program (schedule), adjust the program pre-set temperatures, and turn on or off adaptive start.


The program of the Ecostrad Klasse iQ consists of 24 hour-long slots which can each be set to a pre-set temperature: comfort , eco  or anti-frost . You can set the temperatures for these pre-sets in the 'pre-set temperatures' menu.


To set the program:

- Select **Schedule** from the Program menu.
- Choose between daily and weekly programming.
 - Daily** programming allows you to set a different program for each day.
 - Weekly** programming allows you to set one program that will be used for every day of the week.
- If you have chosen daily programming, select the day you wish to program.
 - If you have picked weekly programming, skip to **step 4**.
- On the programming screen, you will see the hour you are setting (e.g. 00:00), and the current pre-set temperature.
 - Choose your first pre-set temperature by pressing  to toggle through the options.
- Once you have chosen a pre-set, move forward and backwards through the hours of the day using  and .
 - The currently selected pre-set will be applied onto the hourly periods as you move through them.
 - If you do not want to change the current pre-set, select  to navigate the hourly periods without adjustments.
 - Choose a different pre-set temperature anytime by pressing . This new pre-set temperature will be applied onto the hourly periods as you move through them.
- When complete, return to the Schedule menu by short pressing .









Temperatures

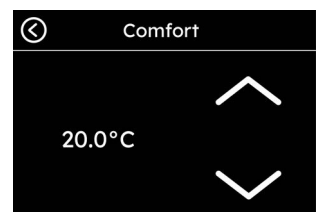
Long press  to enter the Settings menu.

Select **Program** and **Temperatures** with .


In this menu, you can set the pre-set temperatures for comfort, eco, and anti-frost.


To change the pre-set temperature values:

- Choose a pre-set with  and . Short press  to confirm.
- Select a temperature with  and . Comfort and eco can be set between 7 °C and 30 °C, whereas anti-frost can be set between 7 °C and 16 °C.
- Short press  to exit the submenu.



Adaptive start

Long press  to enter the Settings menu.


Select **Program** and **Adaptive start** with .

Adaptive start is an energy saving feature designed to adapt your program start times based on the room temperature.

When adaptive start is enabled, the radiator will calculate when to start heating to ensure that the room is up to temperature by the time set in the program.




The Klasse iQ assesses the need for adaptive start 1 hour before a scheduled temperature increase is due to kick in, allowing 15 minutes for every degree the current room temperature is below the scheduled set temperature. This is capped at a maximum of 60 minutes.

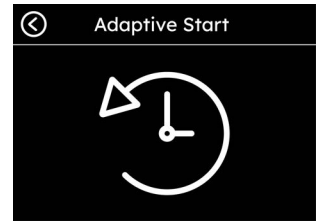
For example, if the room temperature is 17.5 °C, and the set temperature is 20 °C, the radiator will start heating 37.5 minutes before the scheduled time.

When adaptive start is active, the adaptive start icon  will appear and the set temperature and duration for the upcoming interval will display.


Adaptive start is disabled by default.


To activate or deactivate adaptive start:

1. Choose between on and off (represented by icons) with  and .
2. Short press  to confirm



5-5-2 | Time settings










Long press  to enter the Settings menu.

Select **Time** with .

In this menu, you can manually set the time when offline.

NOTE: If the radiator is connected to WiFi, the time on the radiator will synchronise with the paired app. Any manual changes made in the time settings menu will be overwritten.

To set the time manually:





1. Set the day of the week with  and . Short press  to confirm.
2. Set the hour with  and . Short press  to confirm.
3. Set the minutes with  and . Short press  to confirm.



5-5-3 | WiFi connect

This settings menu controls the WiFi connection between the app and the radiator.

To initially activate pairing mode:

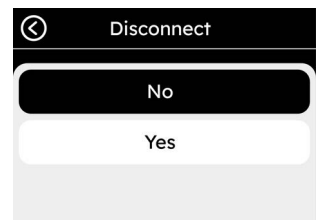
1. Long press  to enter the main settings menu.
2. Use  and  to navigate to WiFi connect.
3. Short press  to enter the WiFi connect screen .

To re-enter pairing mode:



If you are already connected to the app and you enter the WiFi Connect settings menu, you will be asked whether you want to disconnect the current connection.

- Choose **Yes** to break the current app connection and put the heater into pairing mode.
- Choose **No** to keep the radiator connected to the app with which it is currently paired.

For more information on connecting to the app, see **section 6**.



5-5-4 | Keypad lock

Long press  and  together for 5 seconds.

The keypad lock allows you to disable the keys, preventing accidental adjustments of the heating parameters.

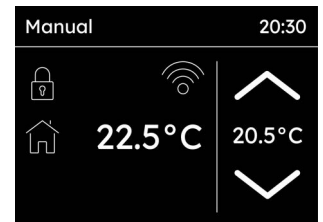
The keypad lock can be activated in any mode, including standby.

To lock or unlock the keypad:

1. Long press  and  keys for 5 seconds.

When locked, a padlock icon will appear on the screen and all keys will be disabled.


When unlocked, the padlock icon will disappear and all keys will be enabled.




5-5-5 | Advanced settings

In the advanced settings menu, you can adjust the temperature calibration, open window detection and the frost protection setting.

Calibration

Long press  to enter the Settings menu.




Select **Advanced** and **Calibration** with .

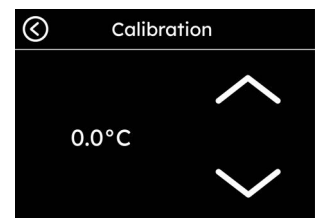
Temperature calibration allows users to adjust for any discrepancy between the average room temperature and the temperature sensed by the thermostat.

For instance, if the temperature in the room is 18 °C, but the radiator is sensing 16 °C, a compensation factor of +2 °C will offset the difference.


The accuracy of the radiator's temperature reading can be affected if the unit is mounted with the sensor in a hot or cold spot, such as by hot water pipes or a draughty doorway. The sensor is at the bottom of the unit.


To calibrate the temperature sensor:

1. Use  and  to choose the calibration value.
2. Short press  to confirm.



Open window detection

Long press  to enter the Settings menu.




Select **Advanced** and **Open window** with .

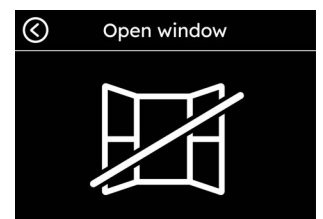
Open window detection is an energy-saving feature designed to cut power to the unit if a window is opened.

If enabled, when the radiator detects a sudden drop in temperature within 2 minutes, the open window detection icon will appear and the set temperature will decrease to 7 °C for 60 or 90 minutes.


In the settings menu you can activate or deactivate open window detection and set how long the radiator waits before switching back to the full set temperature. Open window detection is disabled by default.


To activate or deactivate open window detection:

1. Use  and  to choose between Off, 60, or 90. This is represented by icons.
2. Short press  to confirm.



Frost protection




Long press  to enter the Settings menu.

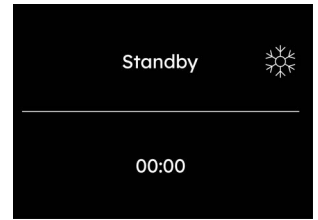
Select **Advanced** and **Frost protection** with .

Frost protection works in standby mode to prevent pipes from freezing.

If enabled, frost protection will trigger whenever the heater is in standby and the room temperature drops below 7 °C. The radiator will supply heat to maintain a temperature of 7 °C.

To activate or deactivate frost protection:


1. Use  and  to choose between on and off. This is represented by icons.
2. Short press  to confirm.




5-5-6 | Interface settings

In the interface settings menu, you can adjust settings related to the behaviour of the control screen. This includes display settings, turning on and off sound, changing display language and activating factory reset.

Display






Long press  to enter the Settings menu.

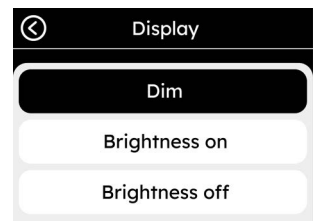
Select **Interface** and **Display** with .

Display settings control dimming behaviour and the brightness of the screen.


In this menu you can choose whether the screen dims (and how quickly), and you can choose how bright the screen is when ON and when OFF (i.e. dimmed).


To change this setting:

1. Use  and  to choose between the options.
2. Use  and  to adjust the brightness.
3. Short press  to confirm.






Sound

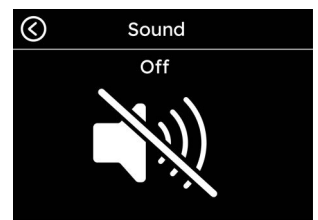
Long press  to enter the Settings menu.

Select **Interface** and **Sound** with .


In this setting menu you can activate or deactivate button sounds.


To change this setting:

1. Use  and  to choose between sound on and sound off. This is represented by icons.
2. Short press  to confirm.






Language

Long press  to enter the Settings menu.

Select **Interface** and **Language** with .


The Ecostrad Klasse iQ is set up for English and German.


To change the language:

1. Use  and  to choose between English and German.
2. Short press  to confirm.




Factory reset

Long press  to enter the Settings menu.

Select **Interface** and **Factory reset** with .

To restore the device to default settings:

1. Use ∇ and \blacktriangle to choose Yes.
2. Short press  to confirm.

All parameters, including programming, will return to the defaults as detailed in **Table 5**.



Table 5 | Factory default settings

Parameter	Default
Mode	Manual
Temp	20
Keypad lock	Off
Program mode - comfort temp	20
Program mode - eco temp	18
Program mode - frost temp	7
Temperature calibration	0
Open window detection	Off
Adaptive start	Off
Frost Protection	Off
Dim	30
Brightness ON	100
Brightness OFF	10
Sound	OFF
Language	English
WiFi connect	Off
Time	00:00
Program	All frost

6 | Wi-Fi Connection

6-1 | Which application is right for me?

Ecosystem



Ecosystem is Ecostrad's flagship application, developed for and tailored specifically to our radiators and smart heaters. It provides an intuitive sleek interface with appealing warm colours.

Smart Life



Smart Life is a smart home application created by a third party developer. Smart Life is a great way to integrate your Ecostrad heater with your existing smart home, as it is compatible with a variety of smart devices that you may already use.

6-2 | WiFi Connection – Troubleshooting

If the radiator does not connect on the first attempt:

- Make sure both the radiator and your smart device are in range of your router.
- Make sure you complete the connection process in 2 minutes. If the pairing screen has timed out, begin the process again.
- Ensure your router has a strong internet connection.
- Ensure WiFi and Bluetooth are enabled on your smart device.
- Make sure the app has registered successfully.
- Make sure your smart device is connected to the same WiFi network as that to which you are attempting to connect your radiator.
- Ensure you are connected to a 2.4G WiFi band. See instructions within the app if you are currently connected to a 5G band.
- Check any local restrictions on your WiFi. WiFi networks in public places such as hotels and airports may require extra identification steps.

7 | Ecosystem App

7-1 | Downloading the app

Scan the QR code to download Ecosystem.



The Ecosystem app is designed to work for the Ecostrad Klasse iQ Electric German Radiator.

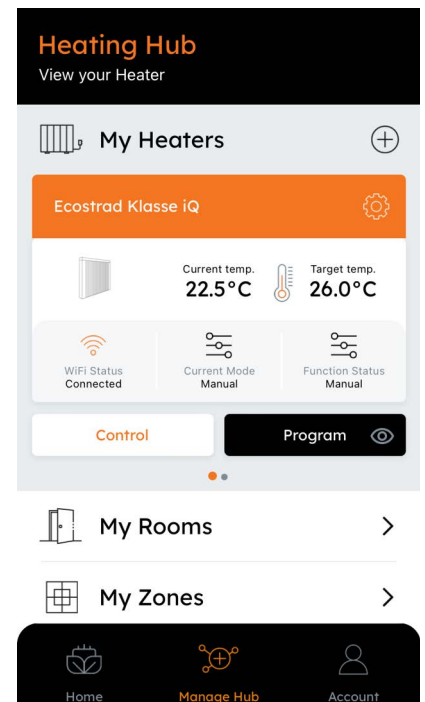
Please install the app and follow the instructions to create an account.

NOTE – The Ecosystem app is a constantly evolving system. This guide was correct at time of printing but may differ slightly from future versions. The app is designed to work on Android or iOS but older software versions may affect app presentation and performance.



7-2 | Connecting to the app

1. On the **Manage Hub** page of the Ecosystem app, press by **My Heaters**.
2. Select the Klasse iQ from the available radiators.
3. Enter your WiFi Details.
4. Follow the instructions on the app to ensure the Ecostrad Klasse iQ is in pairing mode.
5. The app will start scanning, as shown by the screen going dark. The text “Looking for a device” will display.
6. Once the application discovers the radiator, it will begin connecting.
 - When the radiator is successfully added, it will appear on the **Heating Hub** under **My Heaters**.
 - To troubleshoot any issues with the WiFi connection, see **section 6-2**
7. Press to change the name of the radiator if desired.



7-3 | Using the Ecosystem app

7-3-1 | Home overview

Tip: Assign your heaters to rooms and zones to quickly change the heat in your whole house.

You can use the Ecosystem app to control multiple Ecostrad devices.

The Home page displays the weather and temperature of your area, as well as the average heater set temperature in your home.

There are also quick links to your Heaters, Rooms, and Zones, respectively.

7-3-2 | Control interface

Tap **My Heaters** at the bottom of the screen to view all your heaters.

To select your desired heater, swipe to the left or right on top of the current heater selection.

Select **Control** to enter the control interface for the currently selected heater.

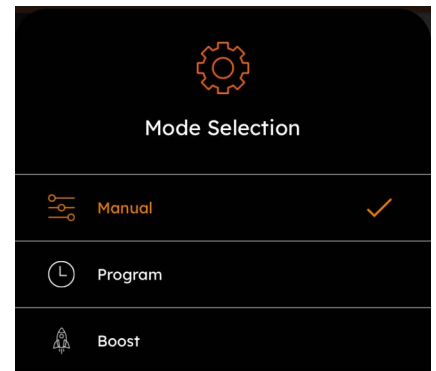
Here you can turn the radiator off and on, adjust set temperatures, choose mode, change the weekly program and access the device settings.

7-3-3 | Choose mode

Tap the current mode icon on the control interface to toggle between the three available modes.

The options correspond to the modes on the control panel:

- Manual mode
- Program mode
- Boost mode



7-3-4 | Manual mode

In manual mode, simply use the sliding dial to adjust the target temperature.

In this mode, the radiator will heat the room to a set temperature indefinitely.

7-3-5 | Program mode

In program mode, the target temperature can be adjusted using the sliding dial. This will set a temporary override temperature which will last until the top of the next hour.

In this mode, the radiator will heat the room based on a pre-set program.

See [section 7-3-7](#) for details on how to set the program in the Ecosystem app.

7-3-6 | Boost

The default boost setting is to change the temperature to 21 °C for 1 hour. The set duration of the boost mode can be adjusted via the Settings menu.

While the boost is running, the target temperature will show alongside the current temperature, and the rocket icon will display.

After the boost is finished, the radiator will return to the mode it was previously in.

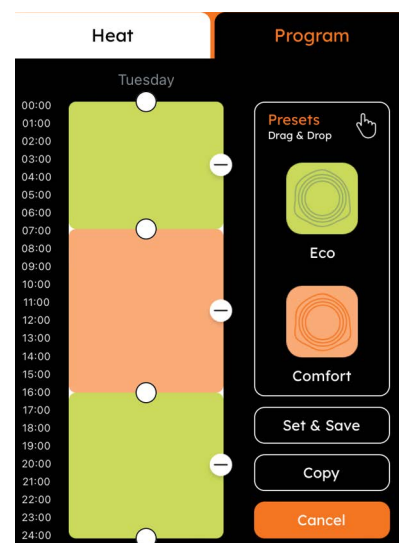
7-3-7 | Setting the Program

Your current set program will only run while the radiator is in program mode.

Tap the **Program** tab on the control interface to configure a program.

A program consists of 24 hourly intervals for each day, which you can set to comfort, eco, or anti-frost temperatures.

1. Tap the day you wish to program.
2. Drag and drop the Eco and Comfort modes into the desired intervals.
 - Any periods left white will be set in anti-frost mode.
3. To save your program, select **Set & Save**.
4. To copy your program to another day, select **Copy**, then tap the days that you wish to copy the program to.
5. Once you are satisfied with your program, select **Confirm**.



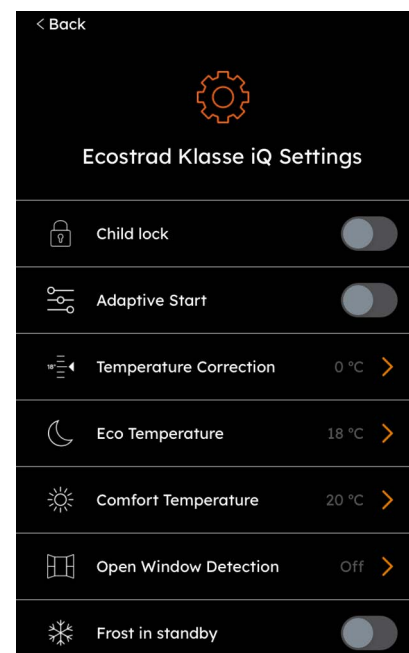
7-4 | Device settings

Available settings in this menu include:

Tap the gear icon  from the **Manage Hub** page to edit the name of your heater or remove it from your saved heaters.

Tap the gear icon  from the **Control** menu to view and adjust the radiator's settings.

- **Child Lock** when active disables the buttons on the physical heater to prevent accidental changes.
- **Adaptive Start** when active ensures that the room is at the target heat at the top of the scheduled hour. When inactive, the radiator begins to heat the room at the top of the scheduled hour.
- **Temperature Correction** allows for the adjustment of the temperature sensor to more accurately measure the heat in the room.
- **Eco Temperature** sets the target heat for the Eco mode in the program.
- **Comfort Temperature** sets the target heat for the Comfort mode in the program.
- **Open Window Detection** when active stops heating if an open window is detected.
- **Frost in standby** when active places the device in Frost mode when standby mode is active.
- **Boost Time** allows you to adjust the duration of the Boost mode from 1 to 24 hours.



8 | Smart Life App

8-1 | Downloading the app

Scan the QR code to download Smart Life.



The Ecostrad Klasse iQ Electric German Radiator is designed to work with the Smart Life app.

NOTE – The Smart Life app is a constantly evolving third party system. This guide was correct at time of printing but may differ slightly from future versions. The app is designed to work on Android or iOS but older software versions may affect app presentation and performance.



8-2 | Connecting to the app

1. To put the radiator in pairing mode, hold to enter the menu. Use and to navigate to "WiFi connection". Enter the menu with . You will have 2 minutes to make the connection on the app before pairing times out. See section 5-5-3 for more details on pairing mode.
2. On the home page of the Smart Life app, press or **Add Device**.
3. The app should start scanning, as shown by the icon at the top of the screen (see **Figure 11**). If this icon and text does not show, press in the top right corner.

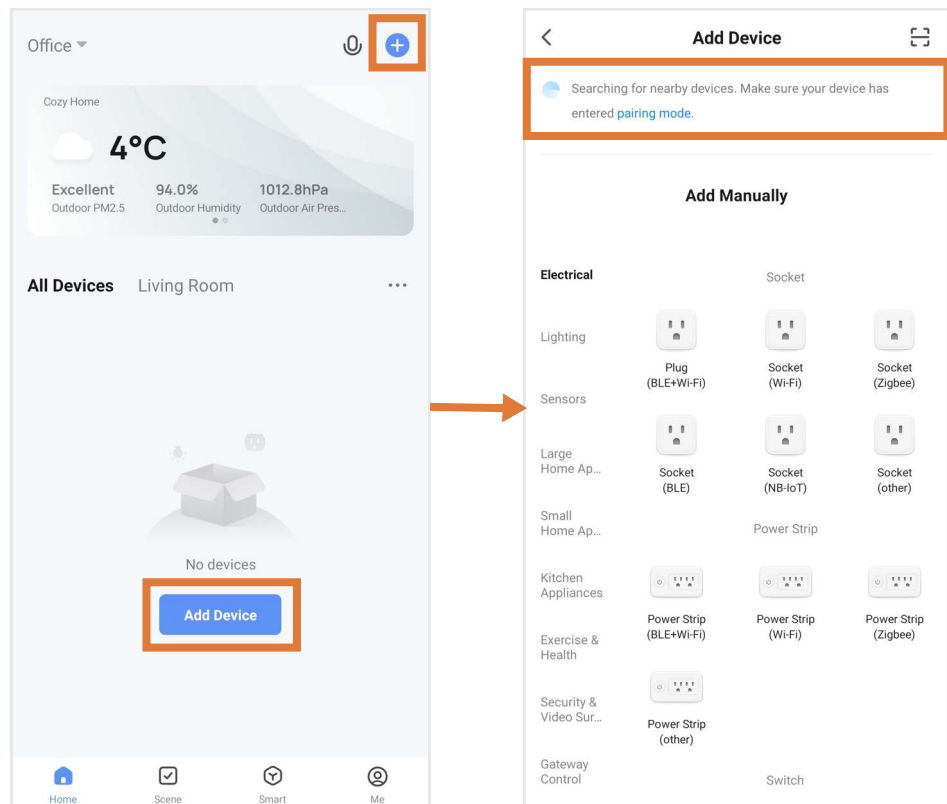


Figure 11 | Adding device on Smart Life app

- The app will demonstrate that it has found the radiator (see **Figure 12**). Press "Add", then tap the **+** icon.

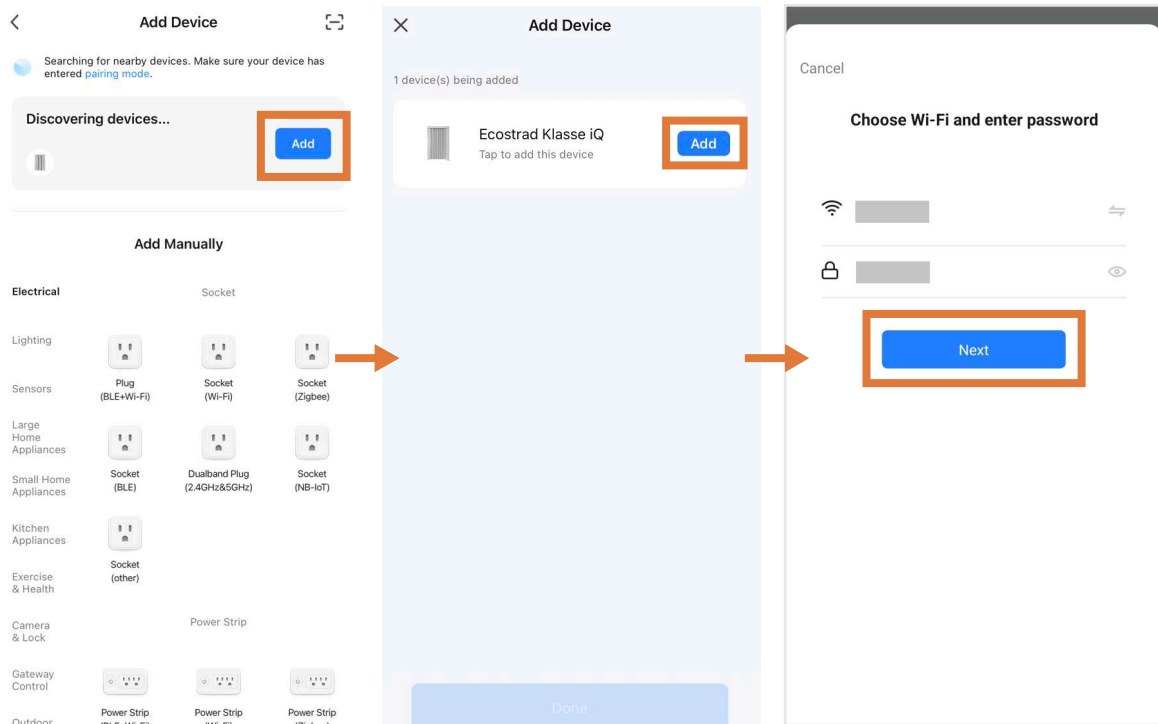



Figure 12 | Finding device on Smart Life app

- The app may ask you to choose your WiFi network and enter the password. Press "Next".
- The radiator will begin connecting. When it is successfully added, it will appear on the app as in **Figure 13**. Press  to change the name of the radiator or "Done" to return to the home screen.

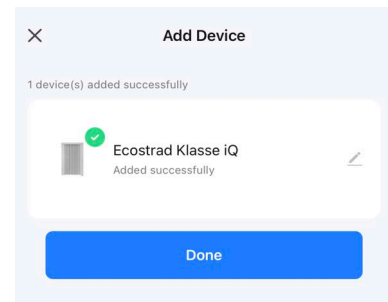


Figure 13 | Finishing connection process

8-3 | Using the Smart Life App

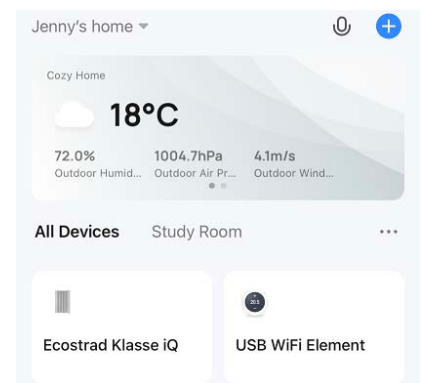
8-3-1 | Home overview

NOTE – The Smart Life app is a constantly evolving third party system. This guide was correct at time of printing but may differ slightly from future versions.

You can use the Smart Life app to control multiple devices. All devices are displayed on the home screen with their status.

Possible statuses:

- Online — Heater will respond to app commands.
- Offline — Device is turned off at wall or power switch. It cannot be controlled by the app.



8-3-2 | Control interface

Tap the heater listing to go to the control interface.

Here you can turn the radiator off and on, adjust set temperatures, choose mode and access weekly programmer and device settings.

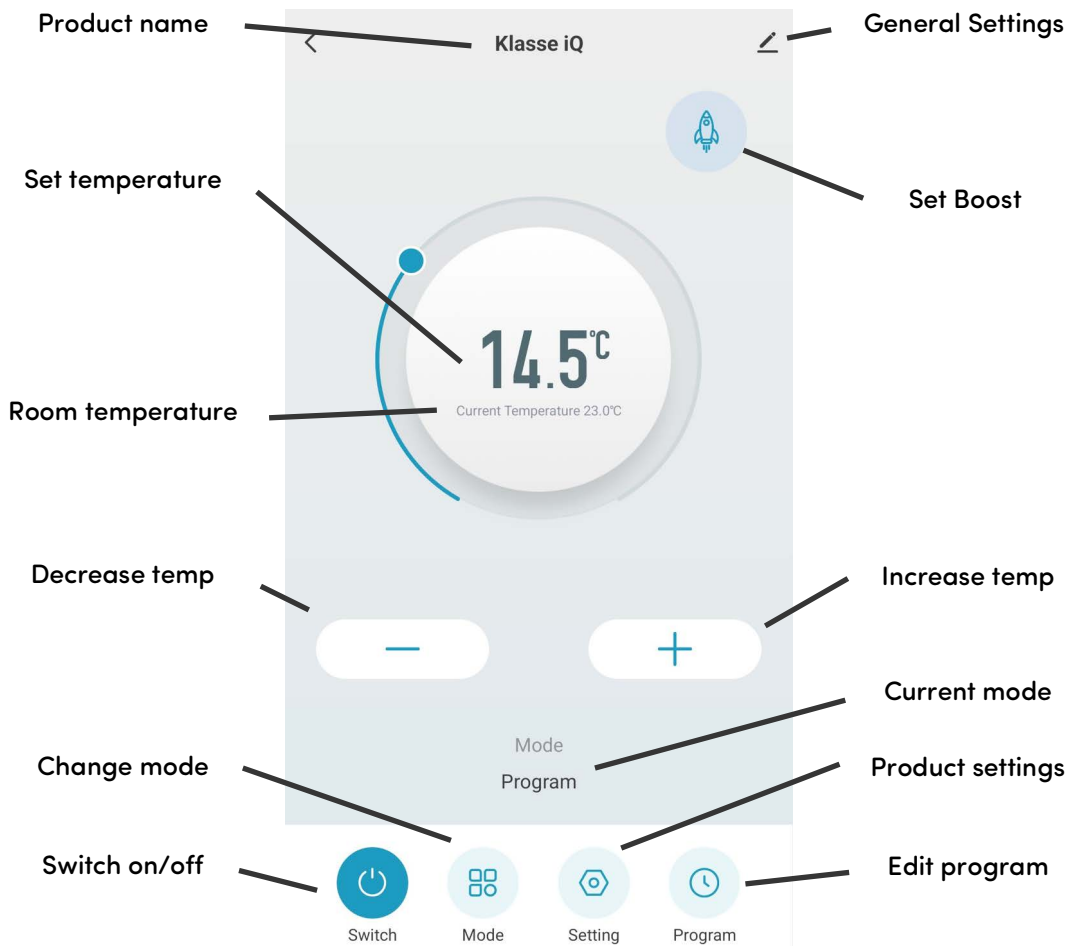


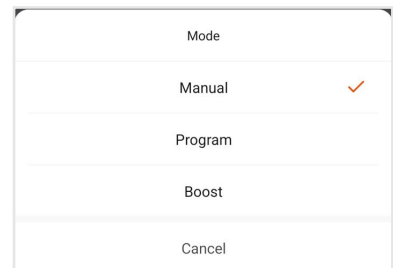
Figure 14 | App control interface

8-3-3 | Choose mode

Tap the **Mode** icon on the control interface to choose the mode.

The options correspond to the modes on the control panel:

- Manual mode
- Program mode
- Boost mode.



8-3-4 | Manual mode

In manual mode, simply use the sliding dial or the – and + keys to adjust the set temperature.

8-3-5 | Program mode

In program mode, the set temperature can be adjusted using the - and + keys. This will set a temporary override temperature which will last until the next hour begins.

8-3-6 | Boost mode

Tap the rocket icon to access the boost setting menu. Here you can set the boost temperature and boost time.

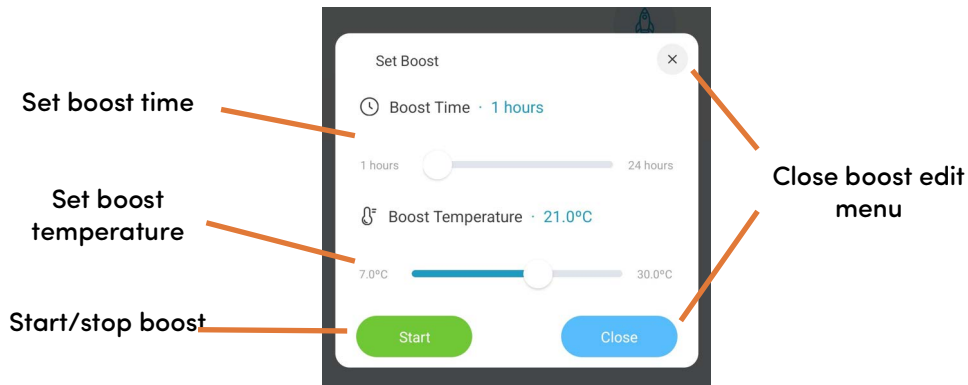


Figure 15 | Setting a boost

While the boost is running, a boost summary will display, showing how long is left on the boost and what temperature it is set to.

The boost can be changed or cancelled at any time by clicking the boost icon.

After the boost ends, the radiator will return to the mode it was previously in.

You can also set a quick, default boost (1hr, 21 °C) by choosing 'Boost' in the mode menu.

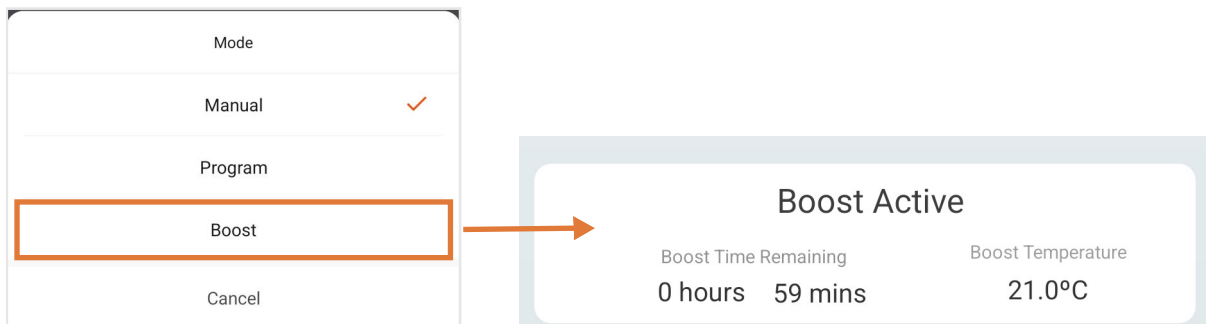



Figure 16 | Default boost settings activated by entering 'Boost' from mode menu

8-3-7 | Setting the Program

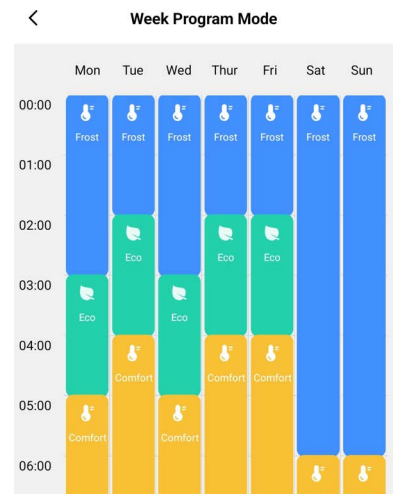
Tap the program  icon on the control interface to configure a program.

A program consists of 24 hourly intervals for each day, which you can set to comfort, eco, or anti-frost temperatures.


Tap the interval to choose comfort (yellow bar) or eco (green bar) or anti-frost (blue bar).


NOTE – your set program will only run in program mode.

The program will save automatically as soon as it is set.



8-4 | Device settings

Tap the  icon to view and adjust the radiator’s settings. These correspond to the settings available through the control panel.

Tap the  icon for settings that relate to the radiator’s listing on the app, including its name, any automations it is included in, and the quality of its network connection.

8-5 | Voice integration

The Smart Life app is compatible with both Amazon Alexa and Google Home.

To connect Alexa with Smart Life, download the Smart Life skill onto your Alexa app. To connect Google Home with Smart Life, go to “Set up a device” in the Google Home app. Tap “Works with Google” and select Smart Life from the list.

Depending on your device, your voice control app may discover your heaters automatically, or you may need to prompt it to do so. You can find quick guides for both Google Home and Alexa in the Smart Life app's FAQ section.

Make sure you give the heater a name that’s easy for you to say and for your voice interface to understand. You can change the radiator’s name in the Smart Life app.

Table 6 | Voice commands for the Ecostrad Klasse iQ









	Command	Action
	<ul style="list-style-type: none"> Turn on <device name> Switch on <device name> 	Switches the radiator on.
	<ul style="list-style-type: none"> Turn off <device name> Switch off <device name> 	Switches the radiator off.
	<p style="text-align: center;">Alexa</p> <ul style="list-style-type: none"> Set <device name> to heat <p style="text-align: center;">Google Home</p> <ul style="list-style-type: none"> Set <device name> to hot 	Switches to manual mode.
	<ul style="list-style-type: none"> Set <device name> to auto 	Switches to program mode.

Table 6 | Voice commands for the Ecostrad Klasse iQ (Continued)

	Command	Action
°C	<ul style="list-style-type: none"> Set <device name> to <temperature> degrees 	<p>In manual mode, this changes the manual set temperature.</p> <p>In program mode, this changes the temporary override temperature.</p> <p>Choose a value from 7 to 30.</p>
  °C	<ul style="list-style-type: none"> Increase <device name> temperature Decrease <device name> temperature Make <device name> warmer Make <device name> cooler Raise <device name> temperature Lower <device name> temperature 	Increases or decreases the set temperature by 1 °C, as above.
  <x> °C	<ul style="list-style-type: none"> Increase <device name> <x> degrees Decrease <device name> <x> degrees Raise <device name> <x> degrees Lower <device name> <x> degrees 	Increases or decreases the set temperature by a number of degrees.
Room °C	<p style="text-align: center;">Alexa</p> <ul style="list-style-type: none"> What's the <device name> temperature? <p style="text-align: center;">Google Home</p> <ul style="list-style-type: none"> What temperature is the <device name>? 	Reports the current room temperature sensed by the radiator.
Set °C	<ul style="list-style-type: none"> What temperature is the <device name> set to? 	Reports the set temperature of the radiator.

9 | Warranty

The Ecostrad Klasse iQ Electric German Radiator carries a 15-year guarantee on the body, a 3-year guarantee on paintwork and a 2-year guarantee on electrical components.

What does the warranty cover?

Within the stated period, starting from the date the customer receives their unit, Ecostrad guarantee to repair or replace the unit where a fault is due to defects in materials or manufacturing.

What does the warranty NOT cover?

The warranty does not cover any defect arising from damage, negligence, usage outside the product's intended purpose or fair wear and tear. The warranty is only valid when the unit has been used at the specified supply voltage, and in accordance with all conditions specified in this manual. The warranty will be void if the heater has been covered, tampered with or opened in any way, or if the ratings label has been removed.

The warranty does not cover failures and faults due to force majeure, accidental damage, mishandling, external impact, chemical agents or atmospheric phenomena, incorrect use of the device, the purchaser's faulty electrical installations, transporting the device or problems caused by the device being handled by persons not authorised by Ecostrad. If the unit has been hardwired, an invoice may be required to confirm the work was carried out by a qualified professional. Ecostrad cannot accept responsibility for damage, loss or injury caused by incorrect installation, maintenance, cleaning or covering the device.

How to claim

The warranty is a contract with the original purchaser and does not transfer if the unit is re-sold, gifted or inherited.

Proof of purchase, including order number and order confirmation or invoice, will be required if a claim is made. The Safety Certificate provided with the heater may also be required for warranty claims.

The warranty covers only the model of heater shown on the purchase invoice. The warranty covers the repair or replacement of the defective product only and Ecostrad shall have no liability for installation costs or consequential losses however incurred. The unit is sold as a DIY product; whilst hardwiring is permitted within the terms of the warranty – provided evidence can be produced that the work was performed by a qualified installer – no compensations will be offered for the installer's costs in the event of a claim.

Claims must be made with the establishment where the device was purchased. This warranty does not affect the customer's consumer rights.

10 | Disposal



In accordance with WEEE Directive 2012/19/EU, the icon with the crossed-out waste bin on electrical or electronic equipment stipulates that this equipment must not be disposed of with household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your local authority.

The separate collection of waste electrical and electronic equipment enables the re-use, recycling and other forms of recovery of waste equipment, and prevents any negative effects for the environment or human health caused by the disposal of hazardous substances potentially contained in the equipment.

For queries, contact:

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LS23 7FR

The ROI Importer

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