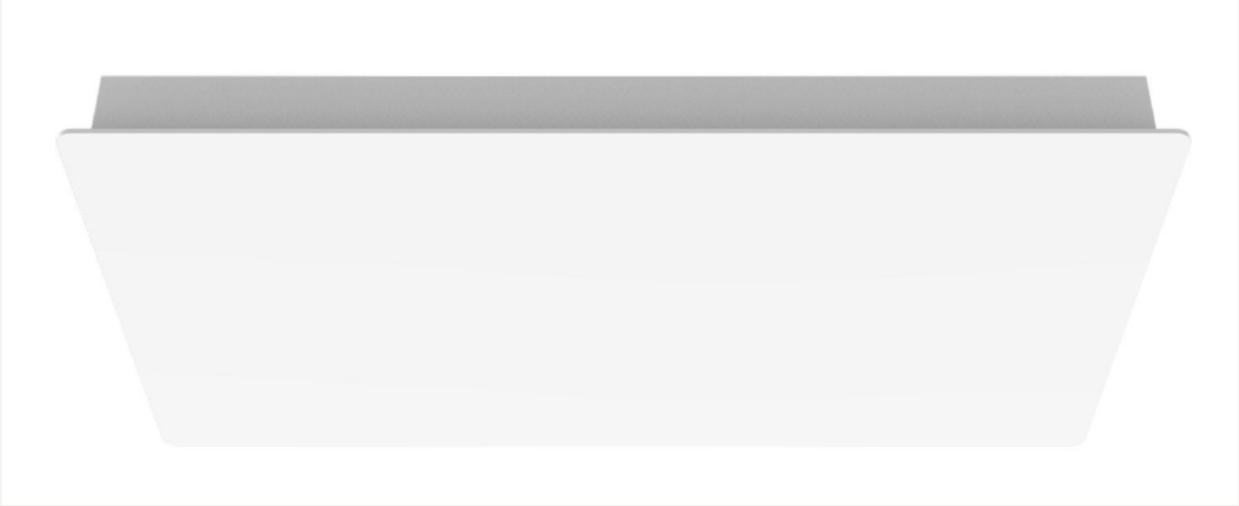
RADI8
INDUSTRIES

High Power Ceiling Panels

Installation and Operating Manual



1250W / 1900W

Standard / Thermostat / Wi-Fi Thermostat

CP6162GT1250 / CP8762GT1900

Infrared Heating Supplies

infraredheatingsupplies.com

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About this manual

This manual covers the rectangular 1250W and 1900W high-power ceiling panels and their standard, remote-thermostat and Wi-Fi remote-thermostat control options. Follow the instructions for the version shown on the product label.

Symbols and important information



Warning

A hazard which, if not avoided, could result in serious injury or death.



Electrical voltage

Electrical components and connections can present a risk of serious injury or death. Isolate the supply before maintenance.



Do not cover

Do not cover the heater or place towels, clothing or other objects above or directly in front of it. Covering can cause overheating or fire.



Hot surface

The surface becomes very hot during operation. Do not touch it until it has cooled completely.



Do not spray

Do not spray water onto the heater or allow moisture to enter its housing.



Read the instructions

Read and follow these instructions before installation, use or maintenance.

1 WARNINGS AND PRECAUTIONS

Read this manual carefully before installing or using the heater. Keep it in an accessible place for future reference. Failure to follow the warnings and instructions may result in electric shock, fire or serious injury.

Installation limits
These high-power panels are designed for fixed ceiling installation only. Wall mounting is prohibited. Install the lowest part of the heater at least 2.3 metres above floor level. Incorrect installation can cause burns, fire or the heater to fall.

Warning
Children aged eight and over, and people with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, may use this heater provided they are supervised or have been instructed in its safe use and understand the hazards involved.

The heater must not be used by anyone unable to perceive heat safely. Children must not play with the heater. Children must not carry out cleaning or user maintenance without supervision.

Warning
Keep children under three away unless continuously supervised.

Children aged three to seven may only switch the heater on or off if it has been correctly installed in its normal operating position, and they are supervised or have been instructed in its safe use and understand the hazards involved.

Children aged three to seven must not plug in the heater, adjust its settings, clean it or carry out user maintenance.

Hot surfaces and safe positioning

Warning
Do not use this heater in a small room occupied by anyone who cannot leave the room independently, unless they are continuously supervised.

Hot surface
Parts of the heater become very hot and can cause burns. The main heating surface operates at approximately 280°C. Take particular care when children or vulnerable people are present.

Extra care is needed around infants, children, older people, people with sensitive skin, and anyone whose ability to recognise or react to heat is reduced by illness, alcohol or sleeping medication.

Exposure to radiant heat
Avoid spending prolonged periods less than 1.5 metres from the heater. This is a recommendation for prolonged exposure, not a minimum clearance for briefly passing or standing underneath. Avoid prolonged direct exposure of the same part of the body to prevent discomfort or burns.

- Never cover the heater. Keep curtains and other combustible materials away from it.
- Do not touch the heating surface while the heater is operating. Allow it to cool completely before moving it or carrying out maintenance.
- Do not sit on the heater, place objects on it, or insert fingers, other body parts or objects into it.
- Keep children and animals away from the heater. Do not leave it operating unattended.

Electrical safety

• Connect only to a correctly earthed 220-240V, 50Hz supply. Electrical connections must comply with the applicable electrical regulations.

• Installation and electrical connection must be carried out by a qualified electrician. The supply, wiring and protective devices must be suitable for the heater.

• Do not overload sockets, cables or electrical circuits. The supply must meet the connection requirements specified for the supplied version.

• Do not use an extension lead. Position the heater within reach of its electrical connection without stretching the cable.

• Before each use, check the heater, accessories, fixings, plug where fitted, and cable for damage. Do not use damaged or defective parts.

• Protect all external cables from damage, including damage caused by animals. Keep cables clear of hot surfaces and prevent them from becoming trapped or pulled.

• Do not use the heater if the plug, cable or electrical connection is damaged. A damaged cable must be replaced by the manufacturer, an authorised service agent or a suitably qualified person.

• Switch off and disconnect or isolate the electricity supply before cleaning, maintenance or repairs. Disconnect the heater when it is not in use.

• Never touch the heater, plug or connections with wet or damp hands. Grip the plug when unplugging; never pull the cable.

• Never drill into the heater. Do not open the housing. Work requiring access inside the housing must be carried out by a suitably qualified specialist.

Safe use and temperature sensing

• Remove the protective film from the heating surface before first use.

• Do not use the heater in potentially explosive areas or where corrosive gases or vapours are present.

• Do not operate the heater while wet. Allow it to dry completely after cleaning. Do not expose it to direct water spray.

• Do not use the heater near baths, shower trays, swimming pools or other water containers. Position switches and controllers where they cannot be reached by anyone using a bath or shower.

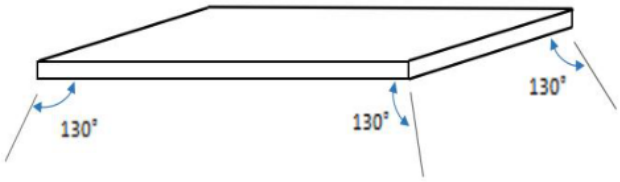
• Secure the heater in its intended ceiling-mounted position. Do not place it on a combustible surface or move it while it is operating.

• Follow the positioning, mounting and operating requirements in this manual. Ensure the ceiling and all fixings can safely support the heater.

The heater is rated IP20. In bathrooms, install it only in a suitable dry location outside zones 0, 1 and 2, away from splashes, sprays and running water. Bathroom installation must be carried out by a qualified electrician.

Positioning a temperature sensor or thermostat

Do not position a room-temperature sensor or thermostat within the heater’s 130° radiation zone. Direct radiant heat can affect the reading and prevent accurate room-temperature control.



2 TECHNICAL INFORMATION

Specification	1250W	1900W
Panel dimensions	610 × 620 × 55mm	870 × 620 × 55mm
Net weight	7.8kg	10.8kg
Rated heating output	1250W	1900W
Heating element	Aluminium heating tube	Aluminium heating tube
Heating surface	Aluminium	Aluminium
Supply	220-240V / 50Hz	220-240V / 50Hz
Main surface temperature	Up to 280°C	Up to 280°C
Power cable length	Up to 1.9m	Up to 1.9m
IP rating	IP20	IP20
Rear of heater to ceiling	75mm	75mm
Installation	Fixed ceiling mounting	Fixed ceiling mounting
Floor to lowest part	Minimum 2.3m	Minimum 2.3m
Warranty	10 years	10 years

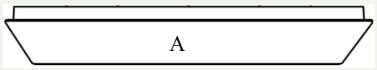
RADI8 model codes

Control version	1250W	1900W
Standard	CP6162GT1250	CP8762GT1900
Thermostat	CP6162GT1250-THERM	CP8762GT1900-THERM
Wi-Fi thermostat	CP6162GT1250-WIFI	CP8762GT1900-WIFI

Check the product label and use the instructions for the matching control version. Thermostat and Wi-Fi models have a receiver in a junction box at the rear of the heater.

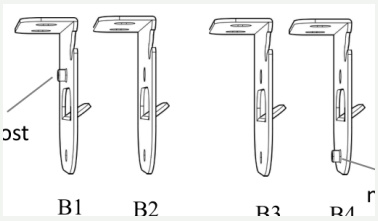
3 SUPPLIED PARTS

A



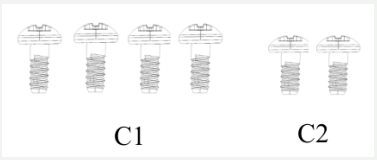
Rectangular heater
1

B



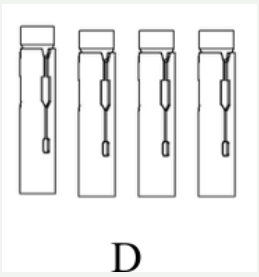
Mounting brackets B1-B4
4

C



Round-head screws C1/C2
6

D



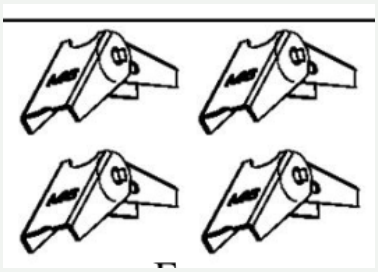
Metal expansion fixings
4

E



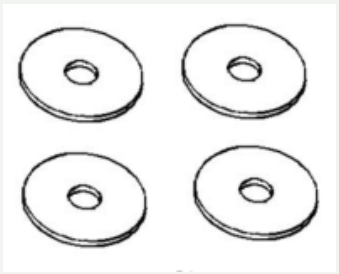
Flat-head screws
4

F



Spring toggles
4

G



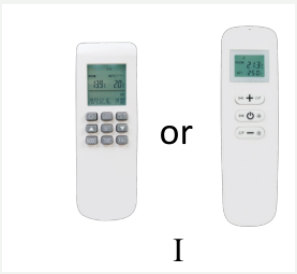
Washers
4

H



Instruction manual
1

I



Remote thermostat
1, thermostat versions

Parts list and preparation

Ref.	Part	Quantity
A	Rectangular heater	1
B	Mounting brackets B1-B4	4
C	Round-head screws C1/C2	6
D	Metal expansion fixings	4
E	Flat-head screws	4
F	Spring toggles	4
G	Washers	4
H	Instruction manual	1
I	Remote thermostat	1, thermostat versions

B1 and B2 attach to the ceiling; B3 and B4 attach to the heater. B2 and B3 have the same structure, but their installation positions differ.

C1 secures the heater-side brackets; C2 locks the engaged brackets. The illustrated set contains four C1 screws and two C2 screws.

D and E are used for the concrete ceiling arrangement. F, G and E are used for the plasterboard ceiling arrangement. The remote supplied depends on the control version; no remote is required for the standard panel.

4 POSITIONING AND INSTALLATION

Before installation
Installation must be completed by a qualified electrician. Confirm that the ceiling and selected fixings can safely support the heater.

• Install the lowest part at least 2.3 metres above floor level. Keep each side more than 300mm from adjacent walls. Ceiling mounting only; do not wall mount.

• Measure and check the fixing positions before drilling. Check for concealed wiring, pipes and other services.

• Use the specified mechanical mounting system. Do not use adhesive fixings or suspend the heater from its power cable.

• Ensure the brackets are correctly oriented and all locking screws are tightened before connecting the electricity supply.

• Remove the protective film from the heating surface before use.

• The power cable must be correctly earthed, routed clear of hot surfaces and connected without an extension lead. The installation position must be within reach of the cable, which is up to 1.9m long.

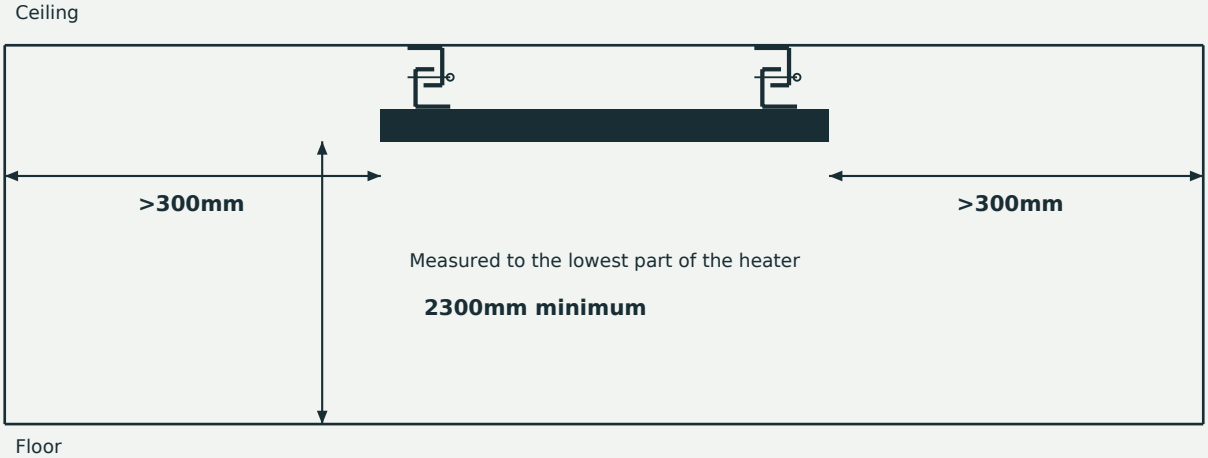
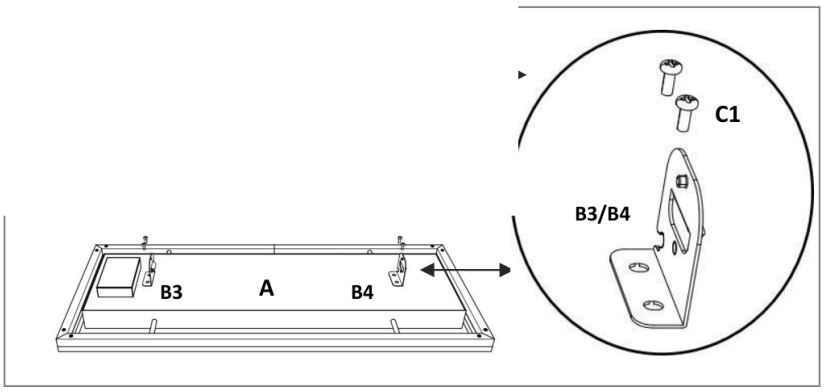


Diagram not to scale. The interlocking mounting brackets connect the rear of the heater to the ceiling. Keep each side more than 300mm from an adjacent wall.

Concrete ceiling installation

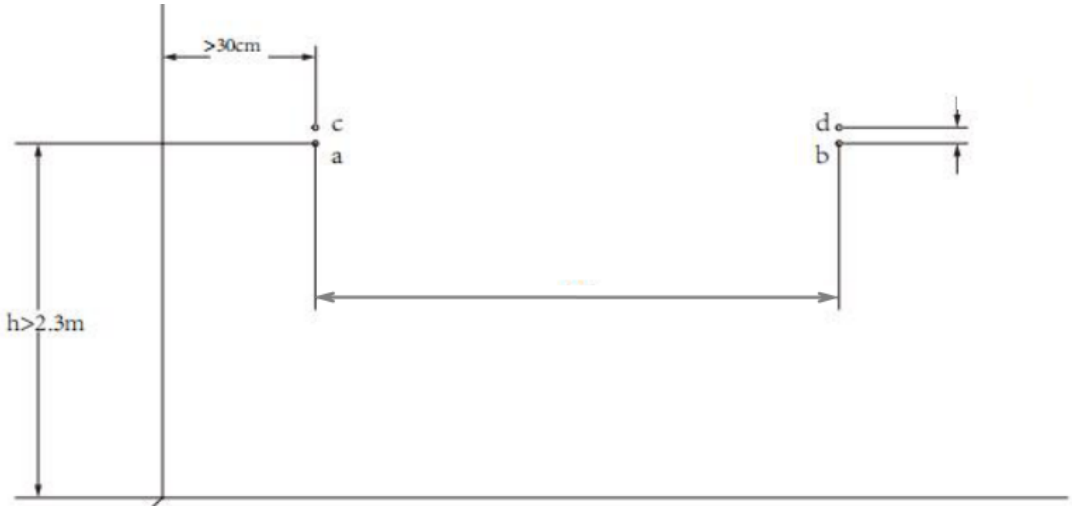
1. Fit the heater-side brackets

Align B3 and B4 with the pre-drilled mounting holes on the rear of the heater (A). Fit them in the orientation shown and secure each with screws C1. Ensure the brackets do not interfere with the junction box.



2. Mark the ceiling fixing positions

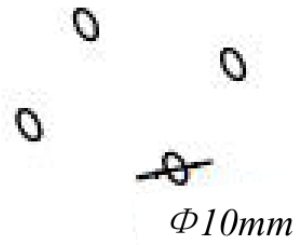
No drilling template is supplied. Measure distances a-b and a-c between the mounting points on the back of the heater and transfer these measurements to the ceiling. Check all dimensions and bracket positions before drilling.



Drilling and ceiling fixings

3. Drill the fixing holes

Drill four 10mm-diameter holes at the marked positions. Do not exceed the specified diameter.

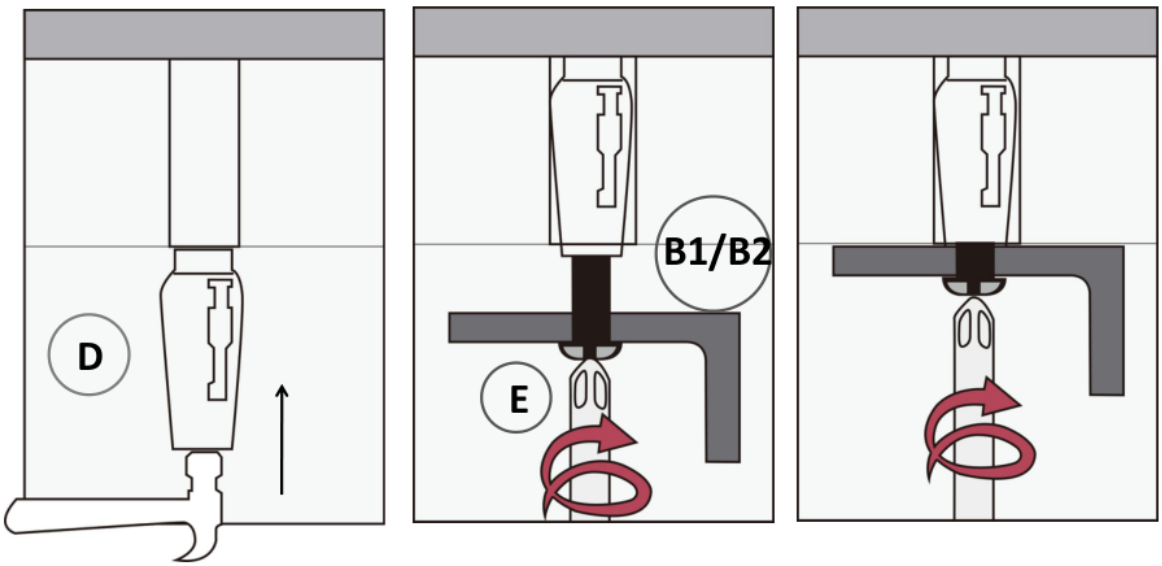


4. Insert the metal expansion fixings

Insert the metal expansion fixings (D) into the drilled holes. The expanding nut must enter the hole first. Do not fit the fixings in reverse.

5. Secure the ceiling-side brackets

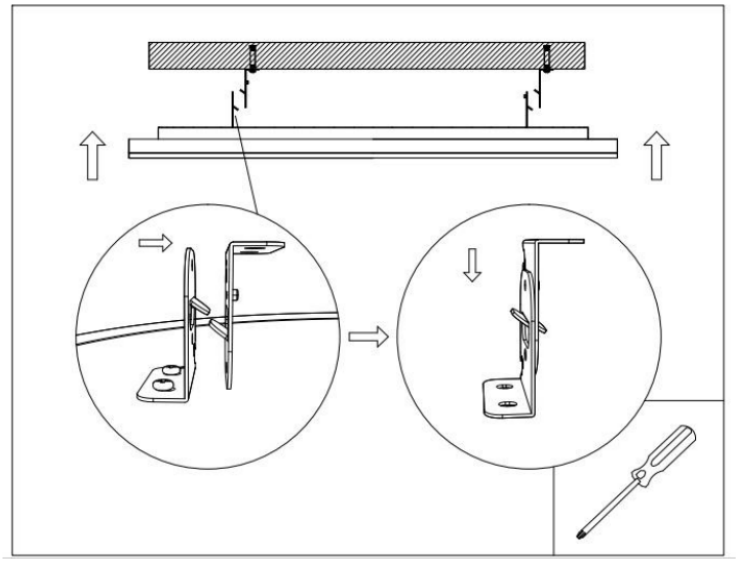
Pass screws E through brackets B1 and B2 and secure them into the metal expansion fixings (D). Orient B1 and B2 in the opposite direction to the heater-side brackets B3 and B4, as shown.



Engaging and locking the heater

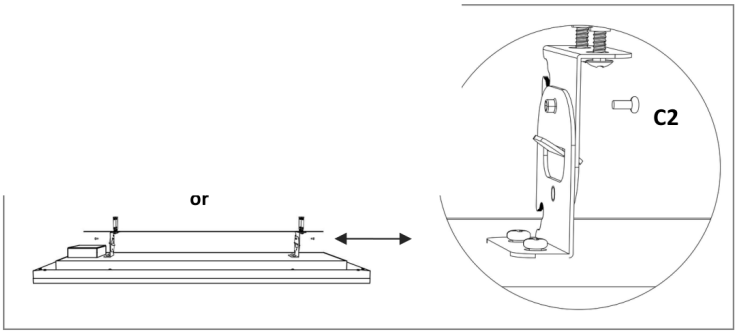
6. Engage the brackets

Lift the heater and pass the hanging tabs on B3 and B4 through the slotted openings in B1 and B2. Engage the corresponding brackets securely. Gently check the heater to confirm that it is fully engaged and cannot come loose.



7. Lock the mounting brackets

Fit and tighten the locking screws C2 to secure the two bracket assemblies. Confirm the heater is firmly supported before connecting the supply.



Plasterboard ceiling installation

Ceiling suitability
The supplied spring toggles are specified for plasterboard or timber panels 9-18mm thick. Do not use them on plasterboard less than 9mm thick. The ceiling and fixings must safely support the heater.

For timber thicker than 18mm, the installer must select suitable fixings for the actual construction and load. Do not assume the plasterboard fixing method is suitable for every timber ceiling.

1. Fit B3 and B4 to the heater as described in concrete ceiling Step 1.

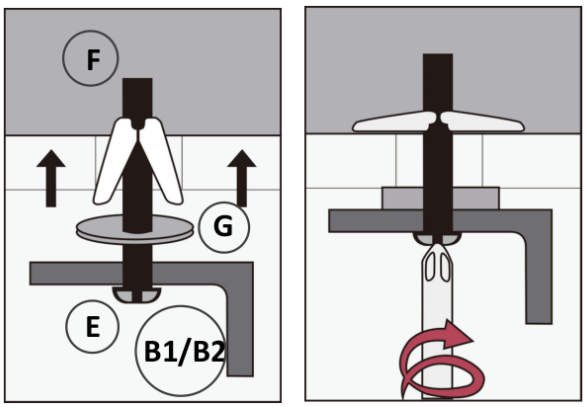
2. Mark the ceiling fixing positions as described in concrete ceiling Step 2.

3. Drill four 18mm-diameter holes at the marked positions. Do not exceed the specified diameter.

4. Pass screws E through brackets B1/B2, washers G and spring toggles F, in the order shown. Insert the toggles into the drilled holes.

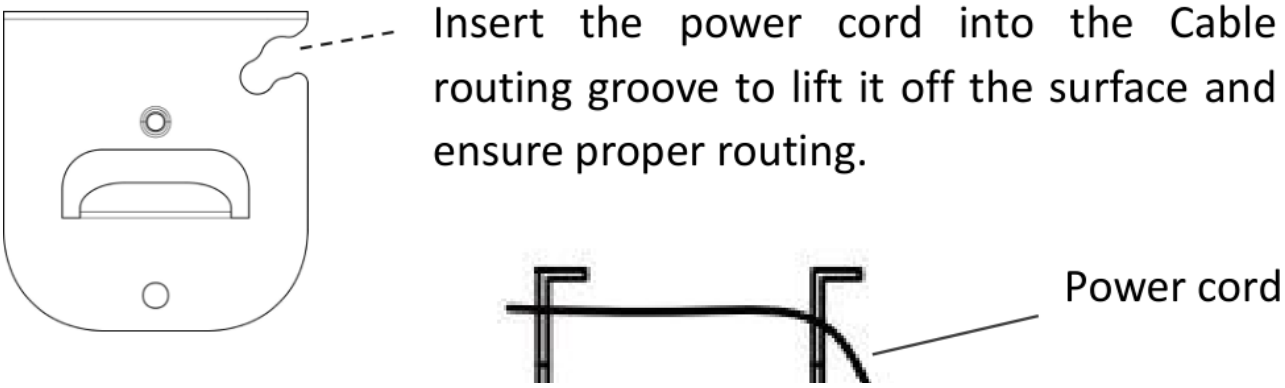
5. Tighten the screws so that the brackets are securely fixed.

6. Engage and lock the heater as described in concrete ceiling Steps 6 and 7.



Cable routing and final checks

Power cable routing
Do not lay the power cable directly on the rear surface of the heater. Route it through the designated cable-routing groove so it is held clear of the hot surface.



Electrical connection

Both outputs are supplied with UK plugs. We recommend permanent hardwiring by a qualified electrician through a suitable switched fused connection unit (fused spur). The electrician may remove the plug and must select suitable wiring, fuse and circuit protection for the heater and its supply cable. Do not remove the plug or alter fixed wiring yourself.

Before switching on

- Check the ceiling fixings, bracket engagement and locking screws.
- Ensure the panel is securely mounted in the correct orientation and all protective film has been removed.
- Check that the cable is not pinched, stretched or in contact with hot surfaces.
- Ensure the temperature sensor or thermostat is outside the heater’s direct radiation zone.
- Have the electrician check the earthing, electrical connection and suitability of the supply before operation.

5 CONTROLS AND OPERATION

Identify your control version

This range has three control arrangements. Use only the instructions applicable to the version supplied. Standard codes have no control suffix; -THERM identifies the non-Wi-Fi remote thermostat and -WIFI identifies the Wi-Fi remote thermostat.

Version	Control arrangement
Standard	No built-in room thermostat or Wi-Fi control. Use suitable separate heating controls.
Thermostat	Heater with a supplied wireless remote thermostat.
Wi-Fi thermostat	Heater with a supplied wireless remote thermostat and Wi-Fi heating control.

Standard version

The standard panel produces heat when its electrical supply is switched on. A suitable external thermostat or controller can switch the heater according to the required room temperature. Follow the separate controller instructions and ensure the control equipment is rated for the connected load.

Have fixed wiring and external controls installed by a qualified electrician. Position the temperature sensor outside the heater’s direct radiation zone.

Thermostat and Wi-Fi versions

These versions have a receiver in a junction box at the rear of the heater. The supplied remote measures room temperature. Follow pages 18-26 for -THERM models or pages 27-40 for -WIFI models.

> **Hot surface**
> Do not touch the heating surface to check whether the heater is working. Switch off and allow it to cool completely before cleaning or maintenance.

B. Built-in thermostat models - remote control

These instructions apply to models ending in -THERM. Use the supplied remote control to set the room temperature and programme the heating schedule.

Remote-control specifications

Specification	Value
Batteries	2 × 1.5V AAA batteries, not included
Supply voltage	3V DC
Current consumption	0.1mA
Temperature setting range	0°C to 45°C, adjustable in 1°C steps
Room temperature display range	0°C to 50°C, displayed in 0.1°C increments
Temperature measurement accuracy	±0.5°C
Operating temperature	1°C to 50°C
Dimensions	141 × 47 × 19 mm (L × W × H)
Weight	86g
Radio frequency	433.92MHz

Built-in receiver specifications

Specification	Details
Electricity supply	220-240V AC, 50/60Hz
Power consumption	0.4W

How the controls work

The control system consists of a remote control and a receiver housed in the rear junction box. The remote contains the room temperature sensor, display and operating buttons. The receiver receives commands from the remote to control the heater.

The remote measures the room temperature and controls the heating automatically:

• Heating switches off when the measured temperature reaches 0.5°C above the set temperature.

• Heating switches on when the measured temperature reaches 0.5°C below the set temperature.

The display shows the set temperature, measured room temperature, time, date and operating mode.

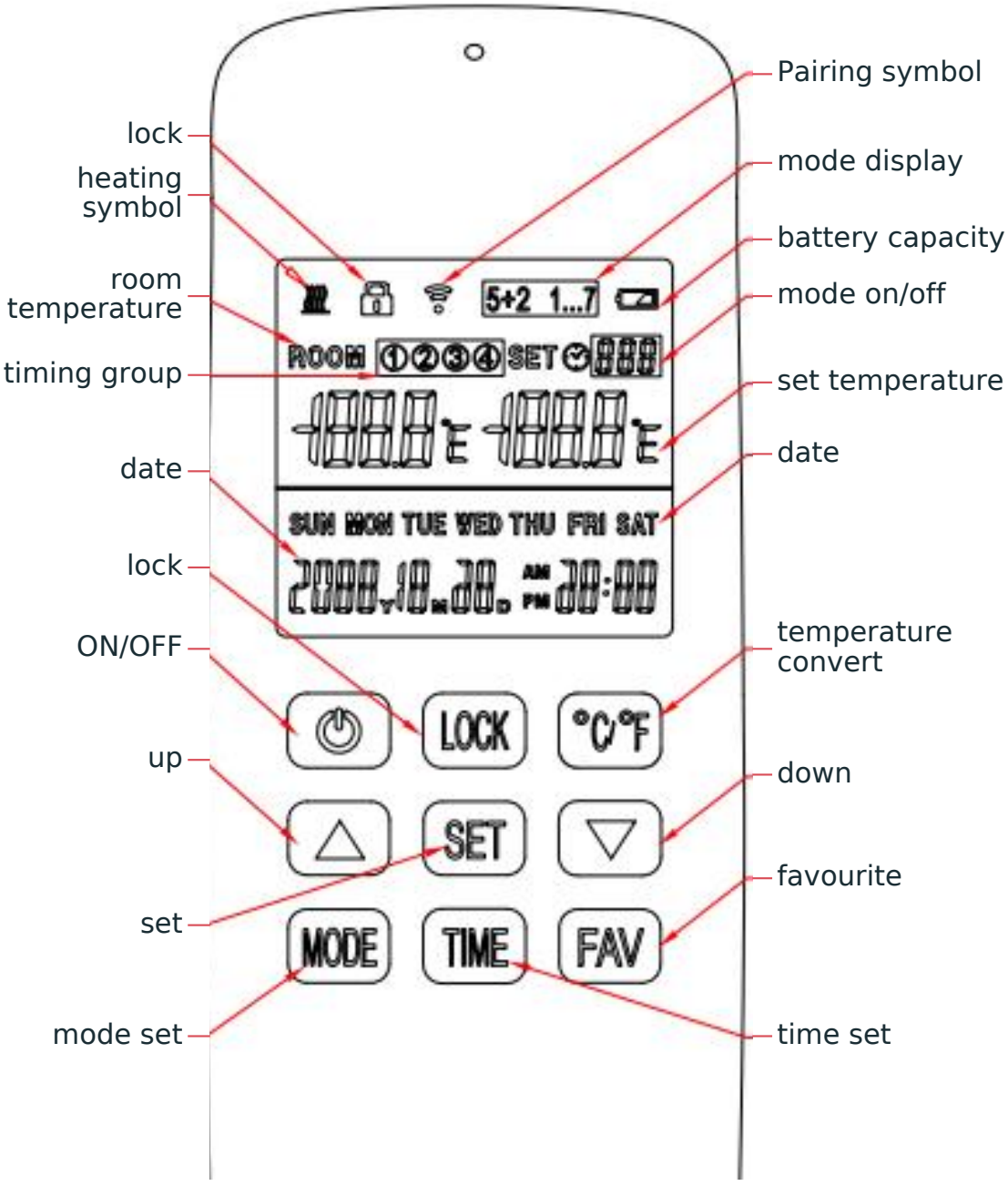
The remote provides weekly programming, temperature adjustment, a favourite temperature setting and clock settings.

The remote requires two 1.5V AAA batteries. Replace them when the battery symbol flashes, as low batteries may prevent the remote from controlling the heater.

The keypad lock helps prevent accidental changes to the settings, including changes made by children.

The remote’s LCD display is designed to operate at temperatures between 1°C and 50°C.

How the controls work



Pairing the remote control

1. Switch off the electricity supply to any nearby heaters you do not want to pair.

2. Switch on the electricity supply to the heater you want to pair.

3. Press the power button on the remote control.

4. Press the °C/°F and MODE buttons together until the heater emits a long beep, confirming pairing.

Complete pairing within one minute of switching on the heater. If pairing is unsuccessful, switch off the electricity supply, wait five seconds, then switch it back on and repeat the steps.

To pair a different remote, restart the heater’s electricity supply and repeat the pairing procedure.

Switching the heater on and off

Press the power button on the remote control to switch the heater on or off.

When heating is switched off using the remote or a scheduled programme, the display shows the room temperature and OFF. The remote remains active, continues keeping time and measures the room temperature.

Press the power button again to switch heating back on. If weekly programming is active, heating will also resume at the next scheduled start time.

Note: OFF on the remote does not mean that the heater is disconnected from the electricity supply.

Keypad lock

Press and hold LOCK for 3 seconds to lock or unlock the remote-control buttons.

Temperature units

Press °C/°F to switch the temperature display between Celsius (°C) and Fahrenheit (°F).

Setting the date and time

Press and hold TIME for 3 seconds to enter the date and time settings. Use UP and DOWN to adjust the year, month, day and time.

Setting the temperature

Press UP or DOWN to adjust the desired room temperature.

If weekly programming is active, this adjustment temporarily overrides the programmed temperature for the current time period only.

The temperature can be set between 0°C and 45°C. The default temperature in manual mode is 19°C.

Setting your favourite temperature

1. Press and hold FAV for 3 seconds, until the temperature setting flashes.
2. Use ▲ and ▼ to adjust your favourite temperature. The default is 24°C.
3. Press FAV briefly to save.

Using your favourite temperature

Press FAV briefly to select your saved favourite temperature. Press it again to return to the previous temperature setting.

Selecting the operating mode

The remote starts in manual mode. Press and hold MODE to cycle through:

Manual: set the temperature directly.

5+2: programme weekdays and weekends separately.

1-7: programme each day of the week individually.

Entering programming settings

Select 5+2 or 1-7 mode, then press and hold SET to enter the programming settings. Press and hold SET again to exit.

If no button is pressed for 8 seconds, the display returns to the main screen.

Note: Programming settings cannot be opened while manual mode is selected.

5+2 mode: weekday and weekend schedules

Set one schedule for Monday to Friday and a separate schedule for Saturday and Sunday, with up to four heating periods per day.

1. Select 5+2 mode. Press and hold SET for 3-5 seconds, until programme ① and MON TUE WED THU FRI appear, with ON and the time icon flashing.

2. Set the start time for programme ①:

Press ▲ to advance the hour in one-hour steps.

Press ▼ to advance the minutes in five-minute steps.

3. Press SET. When OFF flashes, use the same buttons to set the end time.

4. Press SET again. When the temperature setting flashes, use ▲ or ▼ to select the temperature.

5. Press SET to move to programme ②. Repeat steps 2-4 for programmes ②, ③ and ④.

6. After completing programme ④, press SET to select SAT SUN. Repeat the process to set weekend programmes ①-④.

Temperature options: Select a temperature between 0°C and 45°C, or press FAV briefly to select your saved favourite temperature.

1-7 mode: individual daily schedules

Set a separate schedule for each day of the week, with two heating periods per day.

1. Select 1-7 mode. Press and hold SET for 3-5 seconds, until programme ① and MON appear, with ON and the time icon flashing.

2. Set the start time, end time and temperature using the same procedure described in steps 2-4 of the 5+2 programming instructions.

3. Continue through programmes ① and ② for each day, from Monday to Sunday.

Default schedules: The following table shows the preset start times, end times and temperatures.

Default heating schedules

MODE TIME			Starting time	Ending time	Default setting temperature (°C)
5+2	MON-FRI	1	00:00	06:30	17
		2	06:30	08:45	19
		3	08:45	17:00	17
		4	17:00	22:30	19
	SAT-SUN	1	00:00	08:00	17
		2	08:00	14:00	19
		3	14:00	17:30	17
		4	17:30	23:15	19
	MON	1	06:30	17:00	17
		2	17:00	22:30	19
	TUE	1	06:30	17:00	17
		2	17:00	22:30	19
	WED	1	06:30	17:00	17
		2	17:00	22:30	19
1...7	THU	1	06:30	17:00	17
		2	17:00	22:30	19
	FRI	1	06:30	17:00	17
		2	17:00	22:30	19
	SAT	1	08:00	14:00	19
		2	17:30	23:15	19
	SUN	1	08:00	14:00	19
		2	17:30	23:15	19

Important notes about weekly programming

Temporary adjustments: You can switch heating on or off, or adjust the temperature, during a programmed period. These changes apply only until the next scheduled period, when the programmed settings resume.

Overnight heating: A heating period can start on one day and finish after midnight on the following day.

Avoid overlapping periods: If periods overlap, the earliest start time switches heating on and the earliest end time switches it off. Heating then remains off until the next scheduled start.

Scheduled restart: Switching heating off using the remote does not cancel an active weekly programme. The heater will continue following the schedule while its electricity supply remains connected.

Open-window detection

If the thermostat detects a sudden drop in room temperature, it automatically switches heating off.

Heating symbol

♨ The heating symbol appears when the measured room temperature is at least 0.5°C below the set temperature.

Display backlight

Press any button while the remote is on to illuminate the display backlight.

Remote-control care and operating tips

• After replacing batteries: Reset the date and time. Your programmed heating schedules are retained.

• Battery replacement: Use alkaline AAA batteries. Fit new batteries when the battery symbol flashes or if the buttons become unresponsive.

• If heating does not start: Check that the set temperature is higher than the measured room temperature.

• Weekly programming: Select 5+2 or 1-7 mode to use a schedule. Select manual mode to stop following the weekly schedule.

• Temperature sensor: Do not cover or touch the sensor at the top of the remote.

• Positioning the remote: Keep it in an open position in the room so its sensor can measure the room temperature. Do not keep it inside a drawer or pocket, or beneath pillows, quilts or other bedding.

• Long-term storage: Remove the batteries if the remote will not be used for an extended period.

C. Wi-Fi thermostat models

These instructions apply to models ending in -WIFI. You can operate the heater using the supplied remote control or the Smart Life app.

Available functions include:

- Remote control through the app over the internet.
- Operation using the supplied remote control.
- Room temperature adjustment.
- Weekly schedules for heating times and temperatures.
- A countdown timer to switch heating off.
- Sharing app access to the heater with other users.

The supplied remote measures the room temperature and sends temperature signals to the receiver housed in the rear junction box. Its LCD screen displays the measured room temperature.

Wi-Fi receiver specifications

Specification	Details
Electricity supply	220-240V AC
Wi-Fi standard	IEEE 802.11b/g/n
Wi-Fi frequency range	2.412-2.484GHz
Supported security	WEP / WPA-PSK / WPA2-PSK
Encryption	WEP / TKIP / AES
Standby power consumption	Less than 0.8W
Operating temperature	-5°C to 50°C
Operating humidity	10%-95%

Wi-Fi model remote-control specifications

Specification	Details
Batteries	2 × 1.5V AAA batteries, not included
Supply voltage	3V DC
Current consumption	0.1mA
Temperature setting range	0°C to 45°C
Temperature display range	0°C to 50°C
Maximum operating distance	Less than 8 metres
Dimensions	140 × 40 × 18 mm
Weight	40g

How the Wi-Fi controls work

The built-in receiver and remote control work together to control the room temperature.

The remote uses two 1.5V AAA batteries. Replace them when the battery symbol flashes, as low batteries may prevent the remote from controlling the heater.

The sensor at the top of the remote measures the room temperature and sends temperature readings to the receiver.

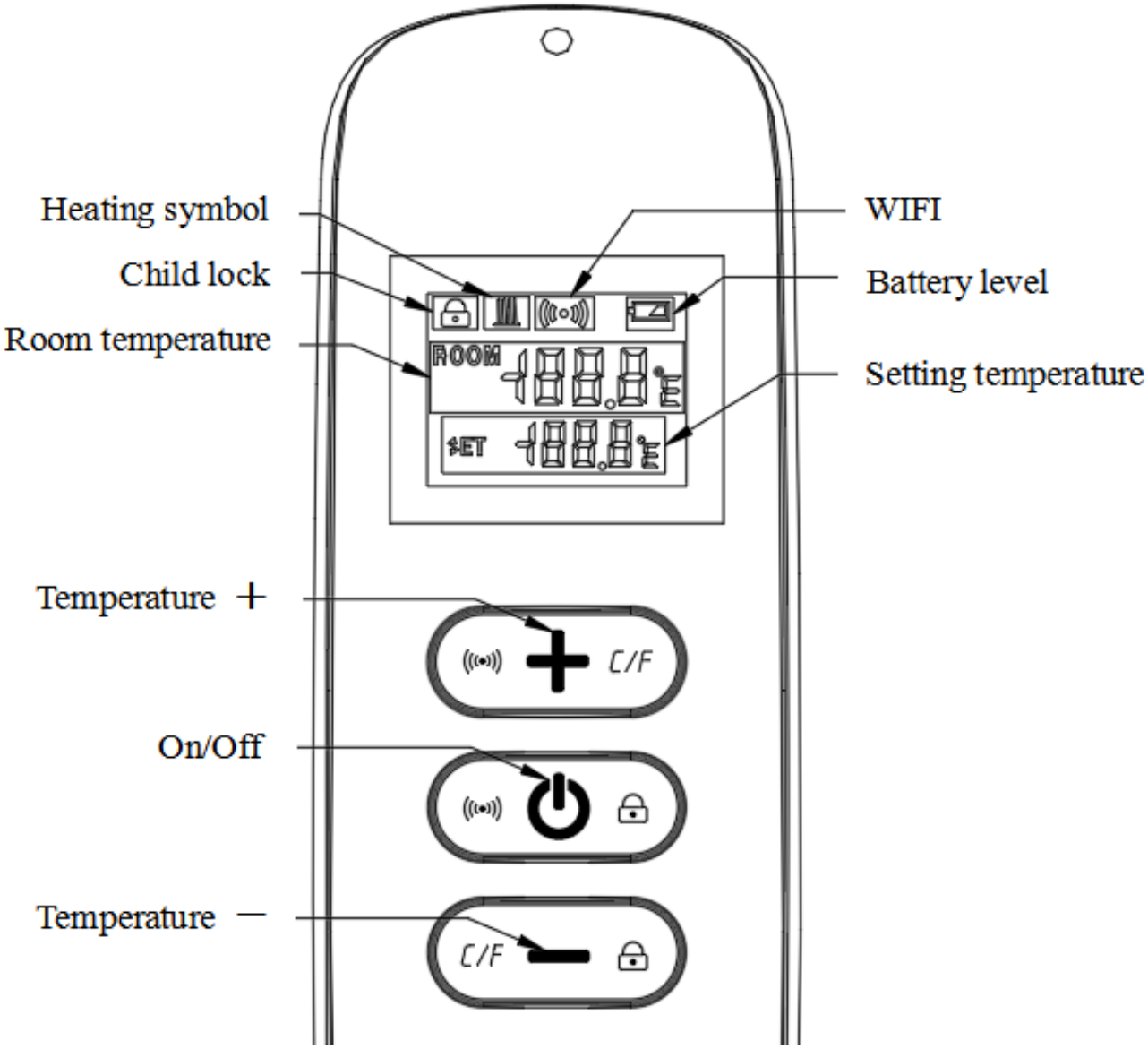
The display shows the measured room temperature, set temperature, child-lock status and battery level.

The remote can switch heating on or off, adjust the set temperature, change the temperature units and activate the child lock.

Switching heating off using the remote does not stop the remote itself. It continues measuring the room temperature and transmitting readings to the receiver every 60 seconds, whether heating is switched on or off.

One remote can be paired with several heaters. You can pair the heaters individually or together.

Using the Wi-Fi model remote



Remote-controller

Pairing the Wi-Fi model remote

1. Switch off any heaters you do not want to pair.
2. Switch on the electricity supply to the heater you want to pair.
3. Within five minutes of switching on the heater’s electricity supply, press and hold Power and + together until the heater beeps, confirming successful pairing. The Wi-Fi symbol flashes three times to indicate pairing.

If pairing is not completed within five minutes, the pairing window closes. Switch the heater’s electricity supply off and back on, then repeat the procedure.

To pair a replacement remote, restart the heater’s electricity supply and complete pairing within five minutes.

Switching the heater on and off

Press the power button to switch the heater on. Press it again to switch the heater off.

Adjusting the temperature

Press + to increase the set temperature by 1°C, or - to decrease it by 1°C.

Press and hold + or - for 3 seconds to increase or decrease the temperature continuously.

Temperature units

Press + and - together to switch between Celsius (°C) and Fahrenheit (°F).

Child lock

Press and hold the power button and - together for 3 seconds to activate the child lock. Repeat to unlock.

Set temperature and heating symbol

SET is the temperature you want the room to reach. ROOM is the measured room temperature.

Heating starts and the heating symbol appears when the set temperature is more than 0.5°C above the measured room temperature. If the difference is 0.5°C or less, the heater does not heat and the heating symbol is not displayed.

Heating symbol

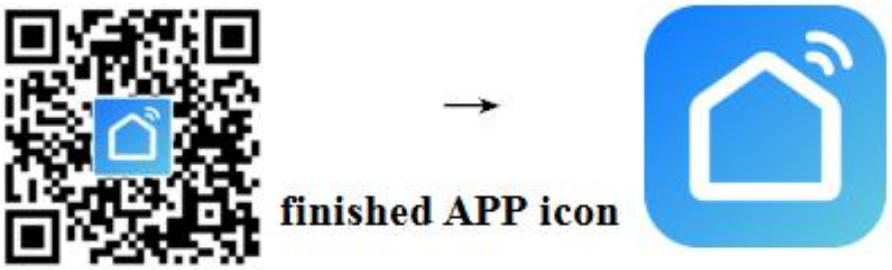
Display backlight

Press any button to illuminate the display. The backlight switches off after 5 seconds without a button press.

Connecting to Wi-Fi

1. Connect your phone to the 2.4GHz Wi-Fi network you want the heater to use. Keep the phone connected to that network during setup.

2. Scan the QR code below to install the Smart Life app, then register an account.



3. Prepare the heater for Wi-Fi setup

Switch on the electricity supply to the heater; it will beep. Pair the remote with the heater using the Power and + buttons, as described in the remote-pairing instructions.

Once paired, press and hold the Power button alone for six seconds, until the blue indicator on the rear junction box flashes. The heater is now ready for Wi-Fi setup.

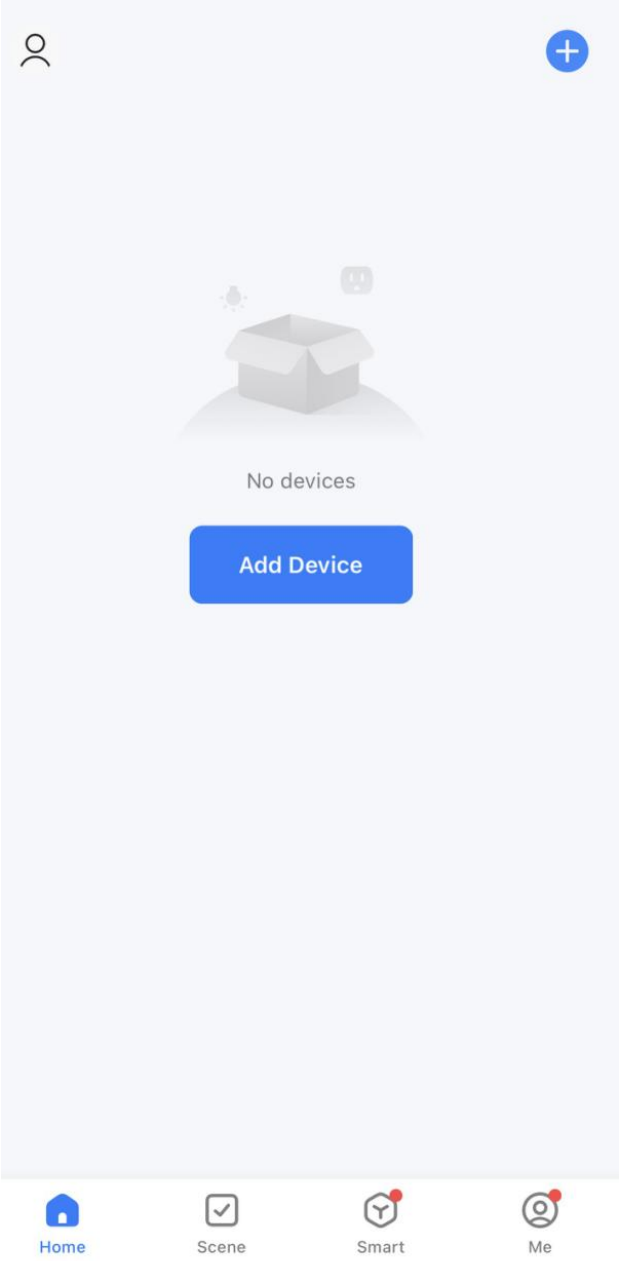
Repeat this setup procedure if the Wi-Fi network, Wi-Fi password or phone changes.

Indicator lights on the rear junction box

- Blue indicator: the heater is connected to Wi-Fi and online.
- Red indicator: the heater is actively heating.

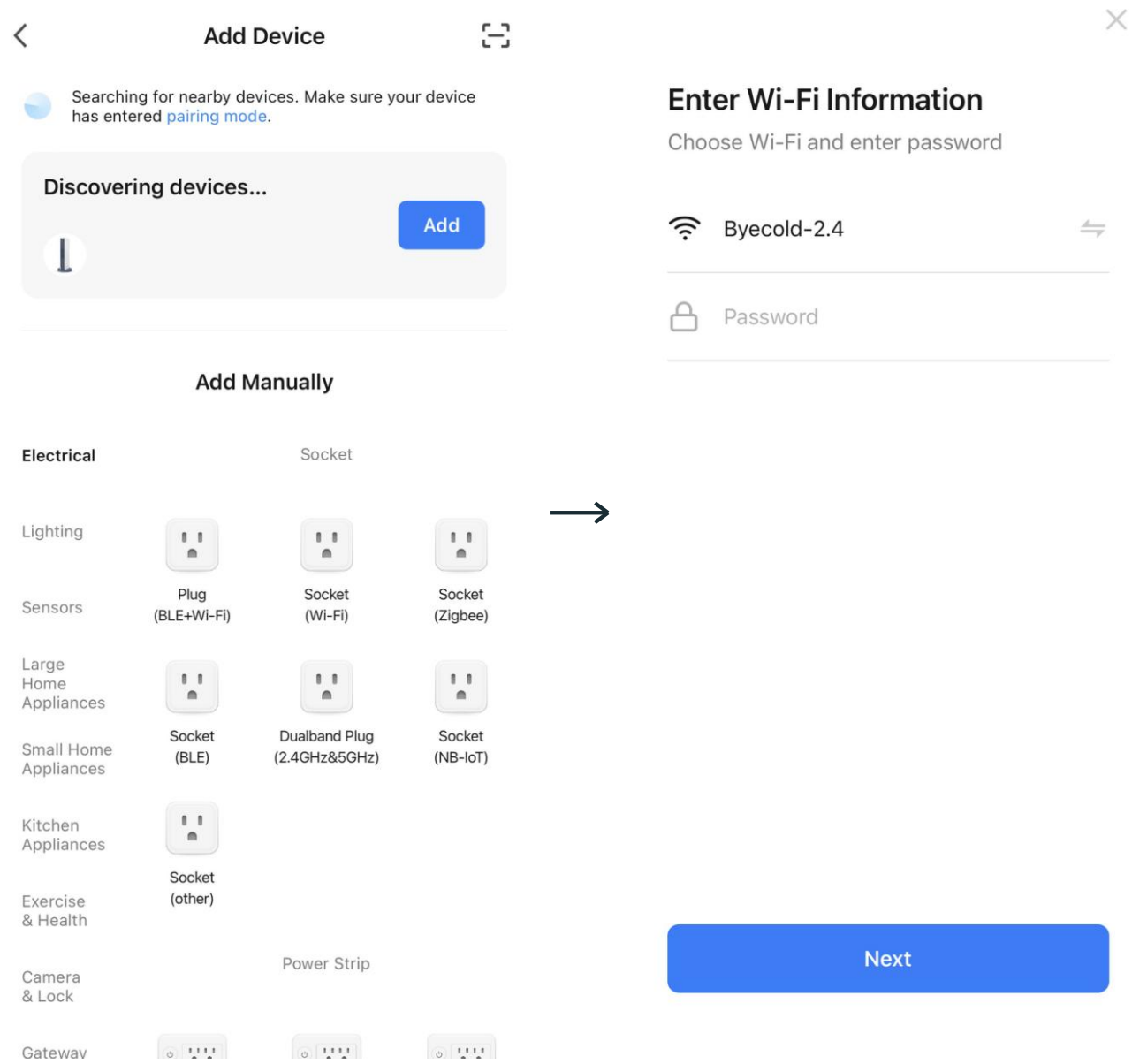
4. Add the heater in Smart Life

Open Smart Life and select the room. Tap Add Device, or tap the + icon in the top-right corner. The device-addition screen appears as shown.



5. Open the Wi-Fi information screen

Tap Add to open the Wi-Fi information screen.

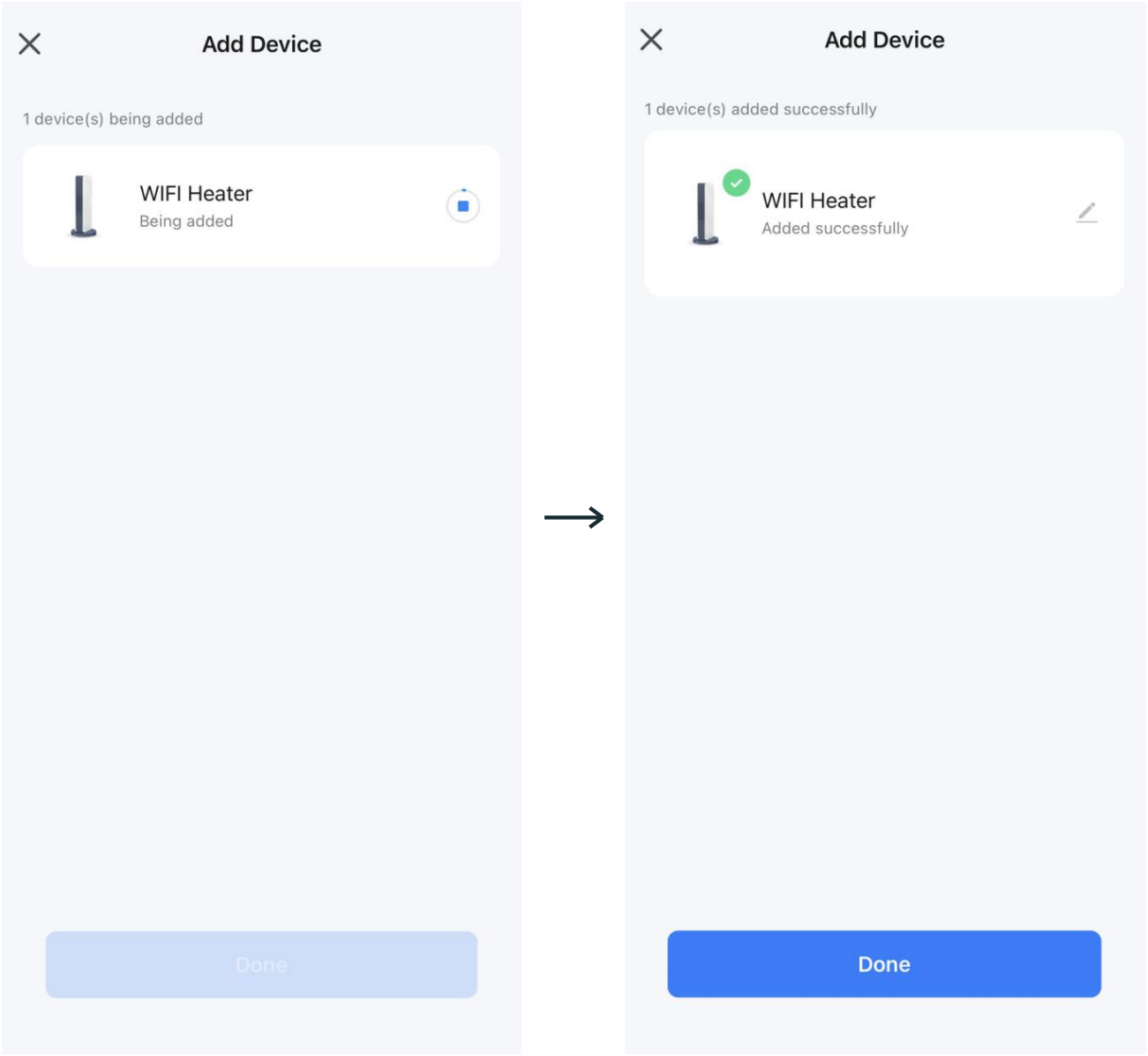


6. Complete the Wi-Fi connection

Enter the Wi-Fi password and tap Confirm. Allow 20-30 seconds for the heater to connect.

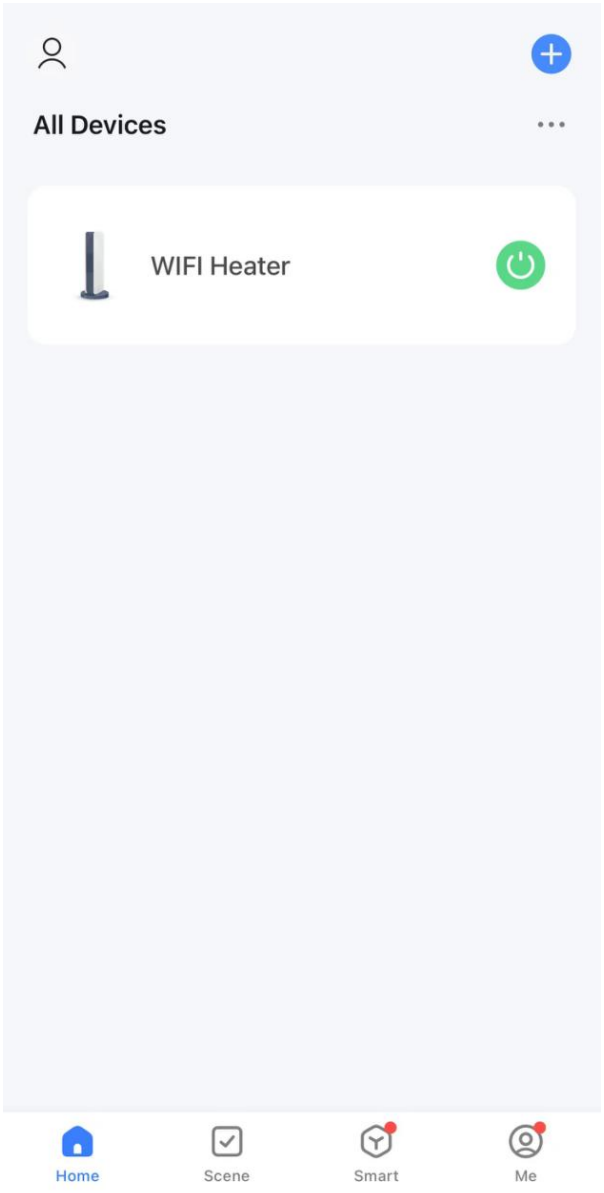
When the connection is successful, the blue indicator on the rear junction box lights up. You can then name the device, for example “Infrared panel heater”.

If the connection times out, repeat steps 3-6.



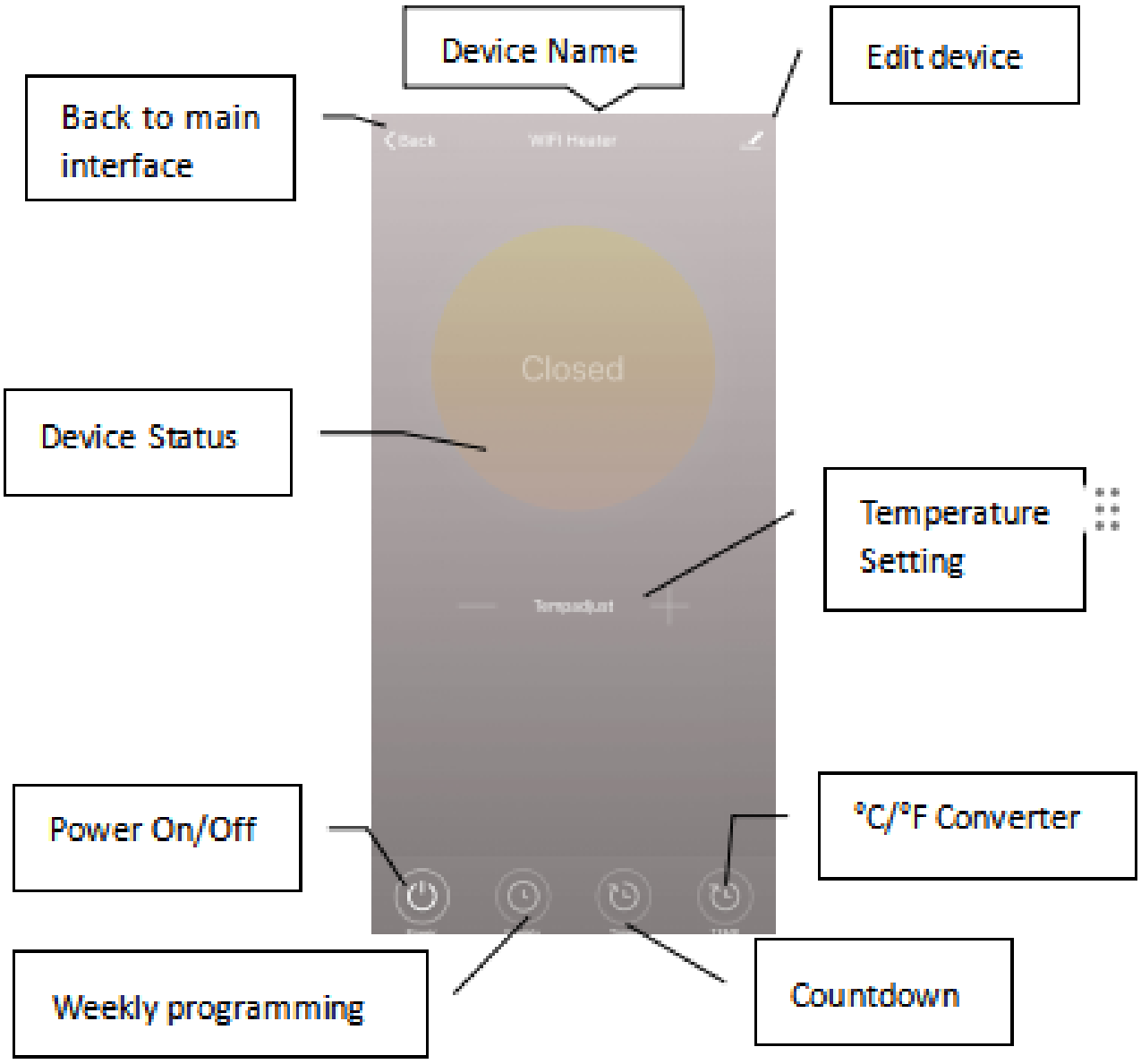
Using the Smart Life app

After connecting the heater, the main app screen appears as shown below.





App controls at a glance



Switching heating on and off in the app

 Tap the green power control on the main screen to switch the heater on or off. The red indicator on the heater lights when the heater is actively heating.

Tap the device name, for example “Infrared panel heater”, to open its controls.

The power icon switches heating on or off. Heating starts when the set temperature is more than 0.5°C above the measured room temperature. If the difference is 0.5°C or less, the heater does not heat.

Weekly programming

 Use the weekly-programming control to set heating times and temperatures throughout the week.

Add ON and OFF events separately. After programming, switch the weekly control on so it turns green.

An active weekly schedule continues to operate even if heating is switched off in the app.

Countdown timer

 Use the countdown control to set a timer that switches heating off.

Switching heating off in the app cancels the countdown timer.

Temperature units and editing

 Use the °C/°F control to switch the temperature display between Celsius and Fahrenheit.

The weekly programme, countdown timer and temperature settings can only be edited while the heater is switched on in the app.

Device settings

Use the edit control to access the following options:

• Device name: change the thermostat’s name.

• Device information: view the virtual ID and other device details.

• Share device: share control with other users registered in Smart Life, using their registered mobile number or email address.

• Create Group: group thermostats so you can control them together.

• FAQ & Feedback: report app problems to the app provider.

• Add to the home interface: add access to the heater’s controls on the home screen.

• Check Device network: check the heater’s Wi-Fi connection.

• Check Update: check for the latest firmware version.

• Remove Device: remove the thermostat from your app.

Important Wi-Fi and remote-control notes

1. Network: the heater supports 2.4GHz Wi-Fi only.

2. Indicator lights: blue means the heater is connected to Wi-Fi and online; red means the heater is actively heating.

3. Network loss: if Wi-Fi or the network disconnects, the heater goes offline and switches heating off.

4. Connection delay: the blue indicator may take a few seconds to light after setup while the heater finds and connects to the network.

5. Batteries: use alkaline batteries in the remote. Remove them if it will not be used for an extended period.

6. If heating does not start: check that the set temperature is sufficiently higher than the measured room temperature.

7. Remote position: keep the remote within its specified operating range of 5 metres from the heater. Keep it away from heat and cold sources, leave it uncovered, and place it openly in the room. Do not keep it inside a drawer or pocket, or beneath pillows, quilts or other bedding.

8. Water exposure: do not use the heater in wet conditions or where it is exposed to running water. For bathroom installations, follow the positioning and electrical safety requirements in the Safety Instructions.

9. Extended non-use: disconnect the heater from the electricity supply if it will not be used for an extended period. Unplug plug-in models; isolate the supply to hardwired models.

10. Remote and app settings: both can switch heating on or off and set the temperature. Settings made on the remote can update the app, but settings made in the app do not update the remote.

11. Lost temperature signal: if the heater stops receiving temperature readings from the remote, it continues controlling the heating using the last received reading. After one hour without a new reading, the app displays “--.-” and sends a disconnection warning to your phone. The heater continues using the last received reading after this warning. When the remote reconnects, the app displays the current room temperature.

12. Re-pairing: if the remote disconnects, bring it to less than 3 metres from the heater and pair it again.

13. Repeated disconnections: if the remote repeatedly disconnects in one location, move it to another position.

6 TROUBLESHOOTING

Noise during warm-up

Slight expansion noises may occur as internal materials warm up. If the noise is loud, persistent or unusual, switch off and isolate the heater and have it inspected by a suitably qualified person.

Slight movement of the heating surface

The surface may rise or change shape slightly during heating due to thermal expansion. If deformation is pronounced, worsens or remains after cooling, stop using the heater and have it inspected.

The heater is only slightly warm

A cold environment or low supply voltage can affect performance. Check the controller settings and allow time for warm-up. If performance remains poor, have a qualified electrician check the supply and heater. Do not attempt electrical repairs yourself.

The heater does not heat

Check that the supply is on and the applicable controller is calling for heat. For thermostat and Wi-Fi versions, follow the matching controller instructions. Isolate the heater before any electrical inspection.

A plug, cable or connection is damaged

Stop using the heater and disconnect or isolate the supply if safe to do so. Have the damaged part repaired or replaced by a qualified electrician or another suitably qualified person before use. Do not use temporary repairs.

7 CLEANING, SERVICING AND STORAGE

Before cleaning or maintenance

Switch off, disconnect or isolate the electricity supply, and allow the heater to cool completely. Do not touch plugs or electrical connections with wet or damp hands. Grip the plug when unplugging; never pull the cable.

Cleaning

Clean with a soft, damp, lint-free cloth. Never immerse the heater in water. Keep moisture out of the housing and electrical components. Do not use cleaning sprays, solvents, alcohol-based products, abrasive cleaners or other aggressive cleaning agents. Wipe dry after cleaning and allow the heater to dry completely before use.

Servicing and repairs

Work requiring the housing to be opened must be carried out by a suitably qualified specialist. Do not open or repair the heater yourself. A damaged supply cable must be replaced by the manufacturer, an authorised service agent or a suitably qualified person.

Storage

- Disconnect the heater and allow it to cool completely before removal or storage.
- Store upright in a dry location, protected from frost, excessive heat, dust and direct sunlight.
- If necessary, use a protective cover to keep dust out while the heater is cool and disconnected.
- Do not place other equipment or objects on top of the heater.

8 TECHNICAL ANNEX

Models with remote thermostat

RADI8 model	Pnom	Pmin*	Pmax,c
CP6162GT1250-THERM	1.25kW	1.25kW	1.25kW
CP8762GT1900-THERM	1.90kW	1.90kW	1.90kW

*Minimum heat output is indicative.

Declared item	Symbol	Value
Off-mode power	Po	0.00W
Standby power	Psm	0.21W
Idle-mode power	Pidle	0.21W
Network standby power	Pnsm	0.00W
Standby with information/status display	-	No
Seasonal space heating energy efficiency in active mode	ηS,on	94.0%

These declarations apply to the corresponding controlled version. They do not describe the standard panel without a thermostat.

Remote thermostat: control functions

Type of heat output / room-temperature control	Declared
Single-stage heat output, no room-temperature control	No
Two or more manual stages, no room-temperature control	No
Mechanical thermostat room-temperature control	No
Electronic room-temperature control	No
Electronic room-temperature control with day timer	No
Electronic room-temperature control with week timer	Yes

Other control options	Declared
Presence detection	No
Open-window detection	Yes
Distance control option	Yes
Adaptive start control	No
Working-time limitation	Yes
Black bulb sensor	No
Self-learning functionality	No
Control accuracy	No

Wi-Fi thermostat: declared data

Models with Wi-Fi thermostat

RADI8 model	Pnom	Pmin*	Pmax,c
CP6162GT1250-WIFI	1.25kW	1.25kW	1.25kW
CP8762GT1900-WIFI	1.90kW	1.90kW	1.90kW

*Minimum heat output is indicative.

Declared item	Symbol	Value
Off-mode power	Po	0.00W
Standby power	Psm	0.28W
Idle-mode power	Pidle	0.28W
Network standby power	Pnsm	0.66W
Standby with information/status display	-	No
Seasonal space heating energy efficiency in active mode	ηS,on	92.0%

These declarations apply to the corresponding controlled version. They do not describe the standard panel without a thermostat.

Wi-Fi thermostat: control functions

Type of heat output / room-temperature control	Declared
Single-stage heat output, no room-temperature control	No
Two or more manual stages, no room-temperature control	No
Mechanical thermostat room-temperature control	No
Electronic room-temperature control	No
Electronic room-temperature control with day timer	No
Electronic room-temperature control with week timer	Yes

Other control options	Declared
Presence detection	No
Open-window detection	No
Distance control option	Yes
Adaptive start control	No
Working-time limitation	Yes
Black bulb sensor	No
Self-learning functionality	No
Control accuracy	No

9 DISPOSAL AND WARRANTY

Disposal of electrical equipment

The crossed-out wheeled-bin symbol means this heater must not be disposed of with household waste. At the end of its service life, take it to an appropriate collection point for electrical and electronic equipment. Your local council can advise on collection and recycling facilities.

Separate collection supports reuse, recycling and recovery of materials and helps prevent harm to the environment and human health from substances contained in electrical equipment.

Batteries

Where a remote thermostat uses batteries, remove them before disposal and take them to a suitable battery collection point. Do not put batteries in household waste.

Packaging

Recycle the packaging through suitable local facilities. Keep packaging materials out of the reach of children.

10-year RADI8 warranty

The RADI8 high-power ceiling panels are backed by a 10-year warranty. Retain your proof of purchase and follow the installation, operating and maintenance instructions. Contact Infrared Heating Supplies for the applicable warranty terms and assistance with a warranty claim.

Here to help

For product support, replacement controls and documentation, contact Infrared Heating Supplies.

Infrared Heating Supplies

Unit G10A, Hartford House
Weston Street
Bolton
BL3 2AW

01204 520544

infraredheatingsupplies.com

info@infraredheatingsupplies.com

Please have your product code, order details and a photograph of the label or remote control available when contacting us.