RADI8
INDUSTRIES

Ceiling Panel Heaters

Installation and Operating Manual



400W / 660W / 860W

Standard, built-in thermostat and Wi-Fi thermostat models

APPLICABLE MODELS

CP6060GT400 | CP6060GT400-THERM | CP6060GT400-WIFI
CP10060GT660 | CP10060GT660-THERM | CP10060GT660-WIFI
CP12060GT860 | CP12060GT860-THERM | CP12060GT860-WIFI

Infrared Heating Supplies

infraredheatingsupplies.com

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Symbols

Warning

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

Warning of electrical voltage

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

Symbols	Meaning
	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.In order to avoid overheating and fire hazards, the device must not be covered.

1 WARNING & PRECAUTION

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!

Read all safety warnings and all instructions.

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

⚠ Warning

Install this heater more than 1.8 metres above floor level. Follow the installation instructions for your model in Section 5.

⚠ 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.

Children must not play with the heater. Children must not carry out cleaning or user maintenance without supervision.

Warnings (continued)

Warning

Keep children under three away from the heater unless they are 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.

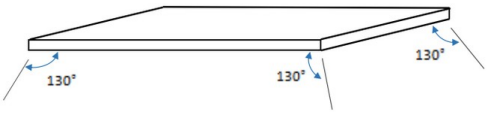
Warning

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

Warnings (continued)

Warning

Do not position a thermostat or temperature sensor within the heater’s 130° heat radiation area shown in the diagram. Direct exposure to the heater can affect temperature readings.



Warning

Parts of this heater can become very hot and cause burns. Take particular care when children or vulnerable people are present.

Do not install the heater close to curtains or other combustible materials.

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.

Safety Instructions

- Remove the protective film from the front of the heater before switching it on for the first time.
- Connect the heater to a properly earthed 220-240V, 50Hz electricity supply. Follow the wiring markings and electrical connection instructions provided for your model.
- Ensure the electricity supply, wiring and protective devices are suitable for the heater’s rated power. Refer to the technical specifications and electrical installation instructions for your model.
- Do not use this heater in areas containing flammable or corrosive gases or vapours, or combustible dust.
- Ensure the heater is securely mounted to the ceiling in accordance with the installation instructions.
- After cleaning, allow the heater to dry completely before switching it on. Never operate the heater while it is wet.
- Do not touch the heater, plug or electrical connections with wet or damp hands.
- Do not spray water directly onto the heater.
- Never insert fingers or other body parts, or any objects, into openings in the heater.
- Never cover the heater. Switch it off and allow it to cool completely before moving it.
- Do not sit, stand or place any weight on the heater.
- Do not allow children or animals to play with the heater or its controls. Follow the supervision requirements set out in the warnings above.
- Before use, check the heater, accessories and connections for signs of damage. Do not use the heater if any part is damaged or defective.
- Protect the power cable and any external wiring from damage, including damage caused by animals. Do not use the heater if the cable, plug or electrical connection is damaged.

Safety Instructions (continued)

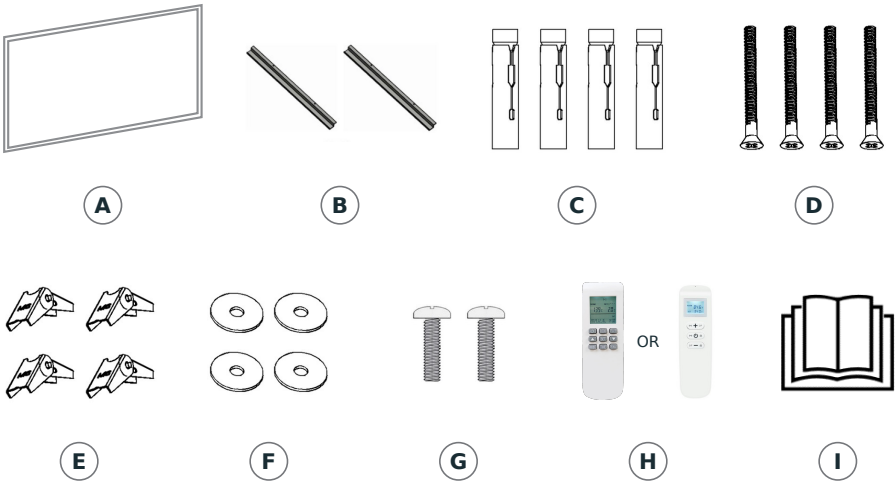
- If the heater is supplied with a plug, ensure it is fully inserted into a suitable, securely fitted mains socket. For a hardwired installation, have a qualified electrician connect the heater through a switched fused connection unit (fused spur), with a fuse rating suitable for the heater and its supply cable.
- Do not connect the heater to an overloaded socket or electrical circuit.
- If using an extension lead, ensure it is suitable for the heater's rated power and the required cable length. Fully unwind the lead before use and do not overload it.
- Before cleaning, maintenance or repairs, switch off the heater, disconnect it from the electricity supply and allow it to cool completely. For plug-in installations, grip the plug when unplugging; never pull the cable. For hardwired installations, isolate the electricity supply before work begins.
- If the heater will not be used for an extended period, switch it off and disconnect it from the electricity supply.
- Do not use the heater if its plug or power cable is damaged. A damaged power cable must be replaced by an authorised service agent or a suitably qualified person. Do not attempt to repair or replace it yourself.
- Maintain the minimum clearances from walls and surrounding objects shown in the installation instructions. Follow the storage and operating conditions specified in this manual.
- Never drill into the heater.
- This heater is rated IP20. In bathrooms, install it only in a suitable dry location outside zones 0, 1 and 2, where it will not be exposed to water splashes or sprays. Installation must be carried out by a qualified electrician in accordance with applicable electrical installation requirements.
- Position the heater's switches and controls so they cannot be reached by anyone using a bath or shower.

2 TECHNICAL INFORMATION

Specification	Value
Heating element	Carbon
Heating way	Far infrared heating
Input Voltage	220-240V/50Hz
Surface temperature	Main 130-150°C
Frame	Aluminium
Power cord length	≤1.9m
IP rating	IP20

Model number	Size (mm)	Power
CP6060GT400	595 × 595 × 35	400W
CP6060GT400-THERM	595 × 595 × 35	400W
CP6060GT400-WIFI	595 × 595 × 35	400W
CP10060GT660	1055 × 605 × 35	660W
CP10060GT660-THERM	1055 × 605 × 35	660W
CP10060GT660-WIFI	1055 × 605 × 35	660W
CP12060GT860	1195 × 595 × 35	860W
CP12060GT860-THERM	1195 × 595 × 35	860W
CP12060GT860-WIFI	1195 × 595 × 35	860W

3 SCOPE OF SUPPLY



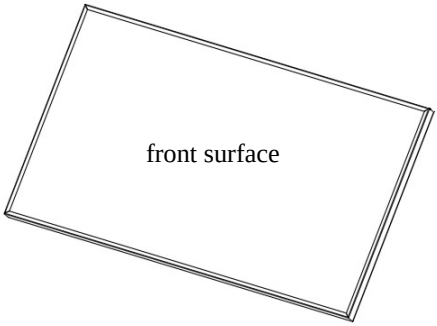
Ref	Part	Qty.
A	Heating Device	1
B	Hanging Units	2
C	Metal Expansion Tubes	4
D	Screws	4
E	Spring Toggles	4
F	Washers	4
G	Screws	2
H	Remote control - supplied with built-in thermostat and Wi-Fi thermostat models only	1
I	Manual	1

An external thermostat is not supplied unless included in your purchased package.

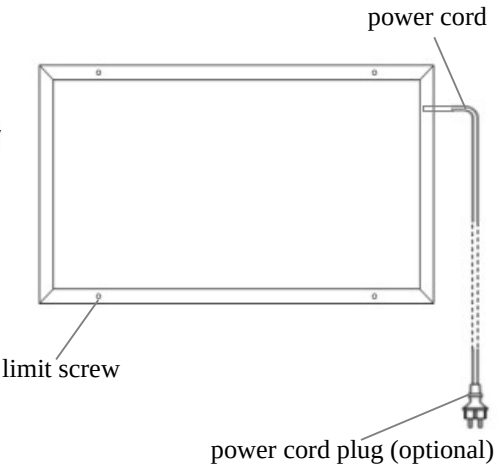
Tips: C and D are applied to concrete ceilings, whereas D, E and F are used on gypsum board ceilings.

4 DEVICE STRUCTURE

Front



Rear



5 INSTALLATION

Warning

• Installation must be carried out by a qualified electrician.

• Connect the heater to an electrical supply with a suitable isolating switch.

• Before installing or wiring the heater, isolate all electrical supplies to it.

• The heater must be correctly earthed.

• Never suspend or support the heater by its power cable or any other electrical cable.

• Do not use adhesives, adhesive pads or tape to mount or suspend the heater.

• Remove the protective film from the front of the heater before switching it on for the first time.

Installation clearances

Clearances depend on whether the heater is surface-mounted or recessed.

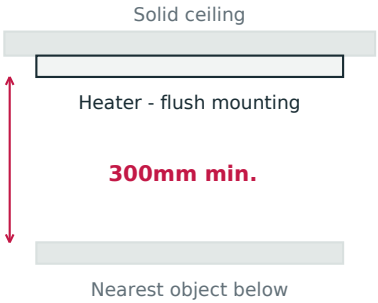
Plan view - looking up at the ceiling



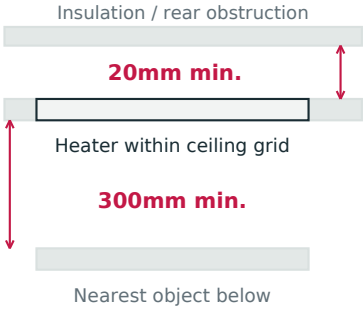
Measure the gaps between the nearest edges.

Side views - not to scale

Concrete / plasterboard



Recessed / grid ceiling



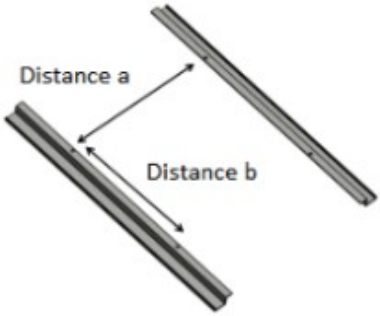
Location	Minimum clearance
Nearby walls or objects	300mm
In front of the heating surface	300mm
Between neighbouring heaters	500mm
Behind the heater - recessed/grid ceilings	20mm

For concrete or plasterboard ceilings, the heater mounts flush against the ceiling; no additional 20mm rear gap is required. For recessed/grid ceilings, keep at least 20mm of clear, ventilated space behind the heater so that heat can escape. Ceiling insulation must not touch or cover the back of the heater.

Ceiling mounting - Method A

Before installation, identify the ceiling material. Follow the relevant instructions below for concrete or plasterboard ceilings, and use fixings suitable for the ceiling type.

Panel Size/mm	Hole Distances of Screws/mm
595*595 (or similar)	a485*b100mm
1005*605 (or similar)	a495*b300mm
1055*605 (or similar)	a495*b300mm
1195*595 (or similar)	a485*b300mm



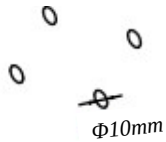


Concrete ceiling installation

1. Using distances a and b from the table, measure and mark the four fixing positions on the concrete ceiling.

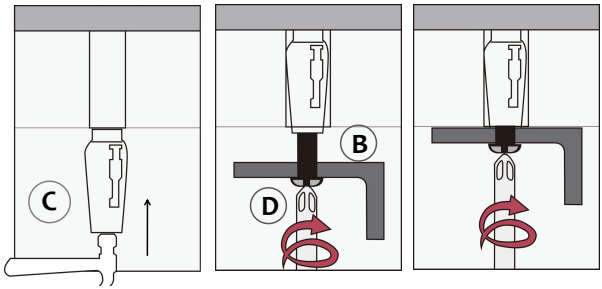
2. Drill a 10 mm diameter hole at each marked position.

Warning: Do not drill holes larger than 10 mm in diameter.



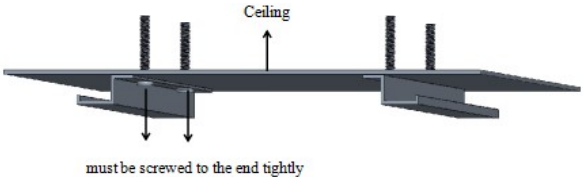
3. Insert the metal expansion tubes (C) into the drilled holes.

Warning: Insert each metal expansion anchor (C) with the expanding nut inside the drilled hole, as shown in the diagram. Do not install the anchor in reverse.



4. Pass the screws (D) through the holes in the hanging units (B) and tighten them securely into the expansion tubes.

Important: Ensure all screws are fully tightened and the hanging units are secure before fitting the heater.



Plasterboard ceiling installation

1. Using distances a and b from the table, measure and mark the four fixing positions on the ceiling.

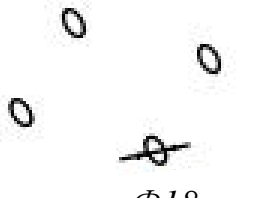
Warning: The supplied spring toggles (E) are intended for plasterboard or wooden ceilings between 9 mm and 18 mm thick. Do not use them in plasterboard less than 9 mm thick.

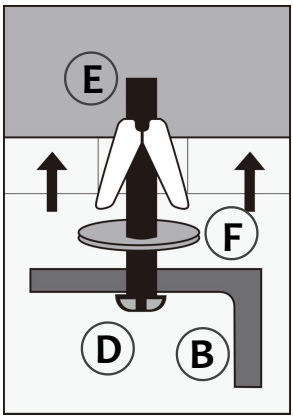
For wooden ceilings thicker than 18 mm, the installer must select suitable fixings for the ceiling construction and the heater's weight. These additional fixings are not supplied.

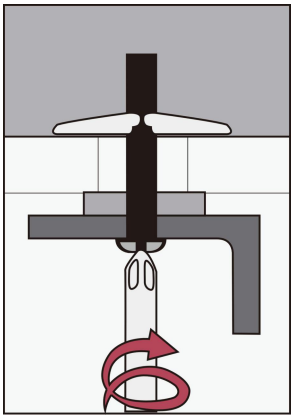
2. Drill an 18 mm diameter hole at each marked position.

Warning: Do not drill holes larger than 18 mm in diameter.

3. Pass the screws (D) through the holes in the hanging units (B) and the washers (F), then fit the spring toggles (E) onto the screws. Insert the spring toggles into the drilled holes.







4. Tighten the screws securely.

Fitting the heater onto the hanging units

Complete the concrete or plasterboard ceiling fixing steps before fitting the heater (A).

1. Engage the rear edge of one long side of the heater's frame with the hooks. Push the heater back to engage the opposite long side, as shown in the diagram.

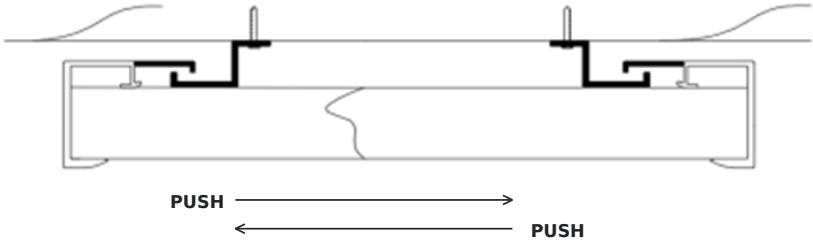
Important: The hooks must engage with the two long sides of the frame, not the short sides.



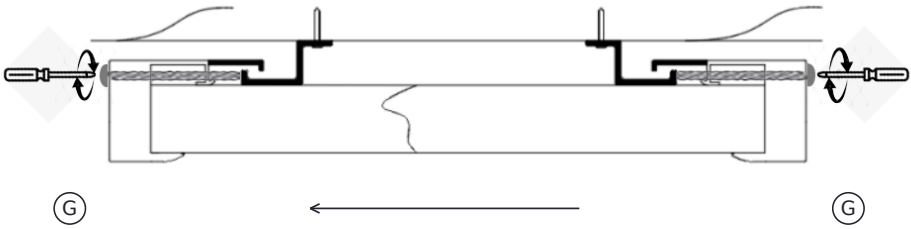
Left long frame

Right long frame

2. Slide the heater gently to the left and right to check that the hooks are fully engaged behind both long sides of the frame and the heater is securely supported.



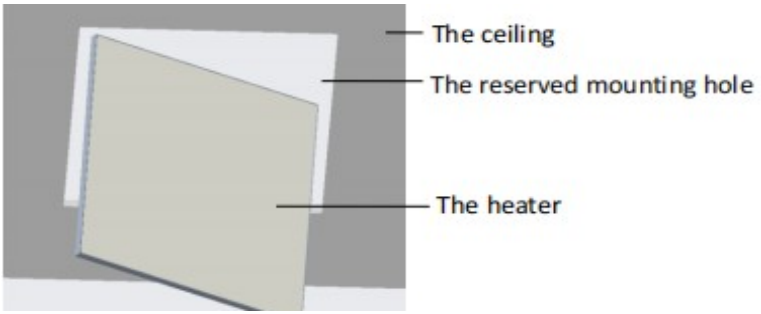
3. Insert the retaining screws (G) into the provided holes on both sides of the heater and tighten securely.



Inset ceiling installation - Method B

1. Carefully tilt the heater and pass it up through the prepared opening in the ceiling.

Note: Check that there is sufficient space above the ceiling to insert and position the heater.



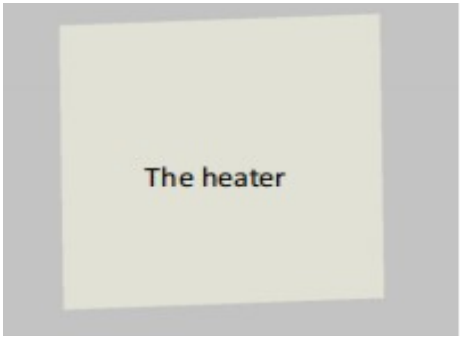
2. Bring the heater into a horizontal position with its heating surface facing down.



3. Have the electrical connection completed by a qualified electrician, following the electrical connection guidance in the Safety Instructions.

For Wi-Fi models: Complete Wi-Fi setup before lowering the heater into its final position, while the indicator light on the side of the frame is still visible.

4. Carefully lower the heater into the ceiling opening and ensure it is securely seated.



6 AFTER INSTALLATION AND FIRST USE

Noise during warm-up

Slight expansion noises may occur when the heater is first switched on as its internal materials warm up. If the noise is loud, persistent or unusual, switch off the heater and contact Infrared Heating Supplies.

Slight surface warping

The heater's surface may warp slightly as it heats up due to thermal expansion. Slight warping during heating can be normal. If the distortion is pronounced, worsens or remains after the heater has cooled, switch off the heater and contact Infrared Heating Supplies.

Remote-control troubleshooting

Pairing the non-Wi-Fi thermostat remote

Pair the remote within one minute of switching on the heater's electricity supply. If pairing is unsuccessful, switch off the electricity supply, wait five seconds, then switch it back on. Turn on the remote and press MODE and °C/°F together until the heater emits a long beep, confirming successful pairing.

The heater is not warming as expected

Check that heating is switched on and the set temperature is higher than the measured room temperature. If the heater still does not warm as expected, contact Infrared Heating Supplies for assistance.

7 MAINTENANCE & SERVICING

Before cleaning or maintenance

Warning: Risk of electric shock

Switch off the heater, disconnect it from the electricity supply and allow it to cool completely before cleaning or maintenance.

For plug-in installations, grip the plug when unplugging; never pull the cable. For hardwired installations, isolate the electricity supply before work begins.

Do not touch the heater, plug or electrical connections with wet or damp hands.

Servicing and repairs

Do not open the heater yourself. Internal inspection and repairs must be carried out by a qualified electrician or an authorised service agent.

Cleaning

Clean the heater with a soft, lint-free cloth lightly dampened with water.

Never immerse the heater in water or spray water directly onto it. Do not allow moisture to enter the housing or reach electrical components.

Do not use cleaning sprays, solvents, alcohol-based products or abrasive cleaners.

Wipe the heater dry after cleaning and allow it to dry completely before reconnecting the electricity supply.

8 STORAGE

When storing the heater:

• Keep it in a dry place, protected from frost and sources of heat.

• Store it upright, away from dust and direct sunlight.

• If needed, fit a protective dust cover once the heater has cooled completely.

• Do not place other items on top of the heater, as this could damage it.

9 PRODUCT COMPLIANCE

These heaters are intended for fixed installation. The Ecodesign (Lot 20) compliance declaration applies to the heater used with the appropriate temperature controls, as described below.

Version	Applicable models
Standard	CP6060GT400 / CP10060GT660 / CP12060GT860
Built-in thermostat	CP6060GT400-THERM / CP10060GT660-THERM / CP12060GT860-THERM
Wi-Fi thermostat	CP6060GT400-WIFI / CP10060GT660-WIFI / CP12060GT860-WIFI

Standard models: Must be used with a compatible thermostat supplied by Infrared Heating Supplies, providing weekly programming and open-window detection.

Built-in thermostat models: Include built-in temperature control, weekly programming and open-window detection.

Wi-Fi thermostat models: Include built-in temperature control with Wi-Fi and weekly programming.

Power and standby consumption

The models covered have rated power outputs of 400W, 660W or 860W. Refer to Section 2 for the rating of each model.

Thermostat receiver power consumption: 0.4W.

Wi-Fi standby power consumption: less than 0.8W.

Switching the heater off through its thermostat, remote or app may leave its receiver powered. Disconnecting the electricity supply at the mains prevents electricity consumption.

Infrared Heating Supplies | Unit G10A, Hartford House, Weston Street, Bolton, BL3 2AW

Non-Wi-Fi thermostat models

Information requirements for electrical local space heaters

Heat output

Radi8 model	Pnom (kW)	Pmin (kW)	Pmax,c (kW)
CP6060GT400-THERM	0.40	0.40	0.40
CP10060GT660-THERM	0.66	0.66	0.66
CP12060GT860-THERM	0.86	0.86	0.86

Pnom: nominal heat output. Pmin: minimum heat output (indicative). Pmax,c: maximum continuous heat output.

Power consumption and efficiency

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

Non-Wi-Fi thermostat models - controls

Applies to the three -THERM models listed on the preceding page.

Item	Value
Type of heat output/room temperature control (select one)	
Single-stage heat output and no room temperature control	No
Two or more manual stages, no room temperature control	No
With mechanical thermostat room temperature control	No
With electronic room temperature control	No
Electronic room temperature control plus day timer	No
Electronic room temperature control plus week timer	Yes
Other control options (multiple selections possible)	
Room temperature control, with presence detection	No
Room temperature control, with open-window detection	Yes
With distance control option	Yes
With adaptive start control	No
With working time limitation	Yes
With black bulb sensor	No
Self-learning functionality	No
Control accuracy	No

Wi-Fi thermostat models

Information requirements for electrical local space heaters

Heat output

Radi8 model	Pnom (kW)	Pmin (kW)	Pmax,c (kW)
CP6060GT400-WIFI	0.40	0.40	0.40
CP10060GT660-WIFI	0.66	0.66	0.66
CP12060GT860-WIFI	0.86	0.86	0.86

Pnom: nominal heat output. Pmin: minimum heat output (indicative). Pmax,c: maximum continuous heat output.

Power consumption and efficiency

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

Wi-Fi thermostat models - controls

Applies to the three -WIFI models listed on the preceding page.

Item	Value
Type of heat output/room temperature control (select one)	
Single-stage heat output and no room temperature control	No
Two or more manual stages, no room temperature control	No
With mechanical thermostat room temperature control	No
With electronic room temperature control	No
Electronic room temperature control plus day timer	No
Electronic room temperature control plus week timer	Yes
Other control options (multiple selections possible)	
Room temperature control, with presence detection	No
Room temperature control, with open-window detection	No
With distance control option	Yes
With adaptive start control	No
With working time limitation	Yes
With black bulb sensor	No
Self-learning functionality	No
Control accuracy	No

10-year warranty

All nine ceiling panel models covered by this manual have a 10-year warranty. For warranty assistance, contact Infrared Heating Supplies with your product code, proof of purchase, details of the fault and any relevant photographs.

10 DISPOSAL



Removal must be carried out by a qualified electrician. Switch off and isolate the electricity supply, allow the heater to cool completely, and support it securely before releasing any retaining screws or fixings.

The crossed-out wheelie bin symbol means that this heater must not be disposed of with household waste.

At the end of its working life, take the heater to a suitable electrical waste recycling facility. Contact your local council for information about collection points and disposal arrangements.

Recycling electrical equipment helps recover useful materials and protects people and the environment from harmful substances.



11 CONTROLS AND OPERATION

Follow the control instructions for your heater’s model number, as shown below.

Ref	Heater version	Controls
A	Standard models, without a -THERM or -WIFI suffix	On/off wall switch or compatible external thermostat
B	Models ending in -THERM	Built-in thermostat operated using the supplied remote control
C	Models ending in -WIFI	Built-in Wi-Fi thermostat operated using the supplied remote control or app

A. Standard models - switch or external thermostat

Standard models can be operated using a suitable on/off wall switch. However, we recommend using a compatible external thermostat for automatic temperature control, weekly programming and open-window detection.

For hardwired on/off control, use a suitable 13A-rated switched fused connection unit (fused spur), installed by a qualified electrician. The fuse must be correctly rated for the heater and its supply cable.

If a thermostat is fitted, follow its separate installation and operating instructions. The Ecodesign (Lot 20) compliance declaration in Section 9 applies when the heater is used with the specified compatible thermostat.

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 built into the heater. 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.

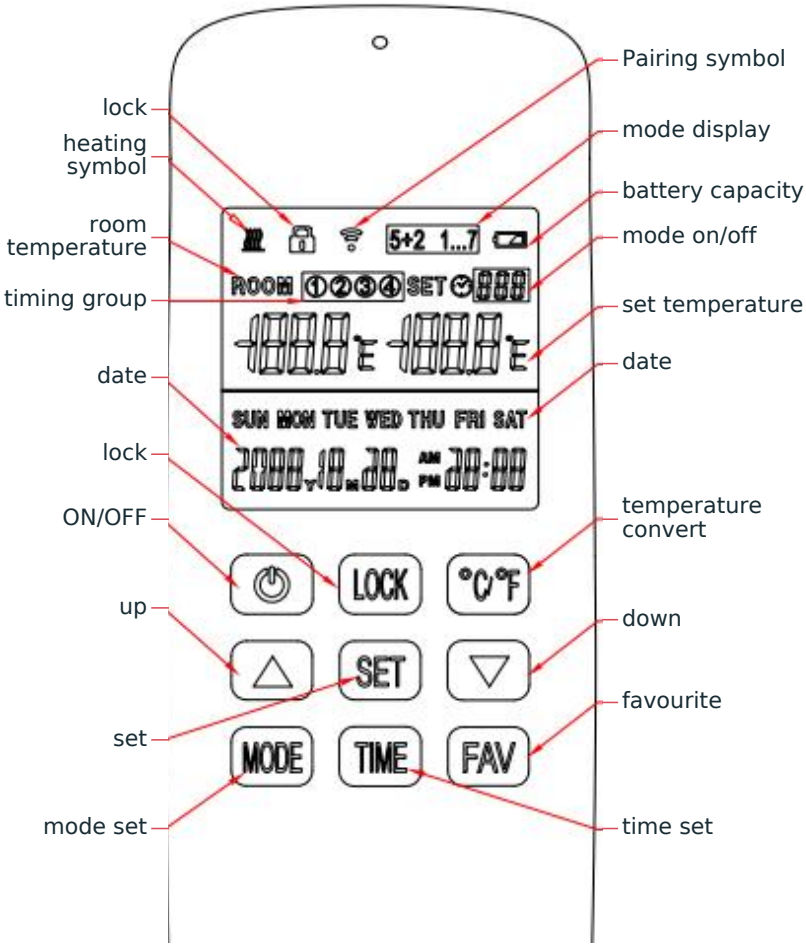
The remote provides weekly programming, temperature adjustment, a favourite temperature setting and clock settings.

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 built into the heater. 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.

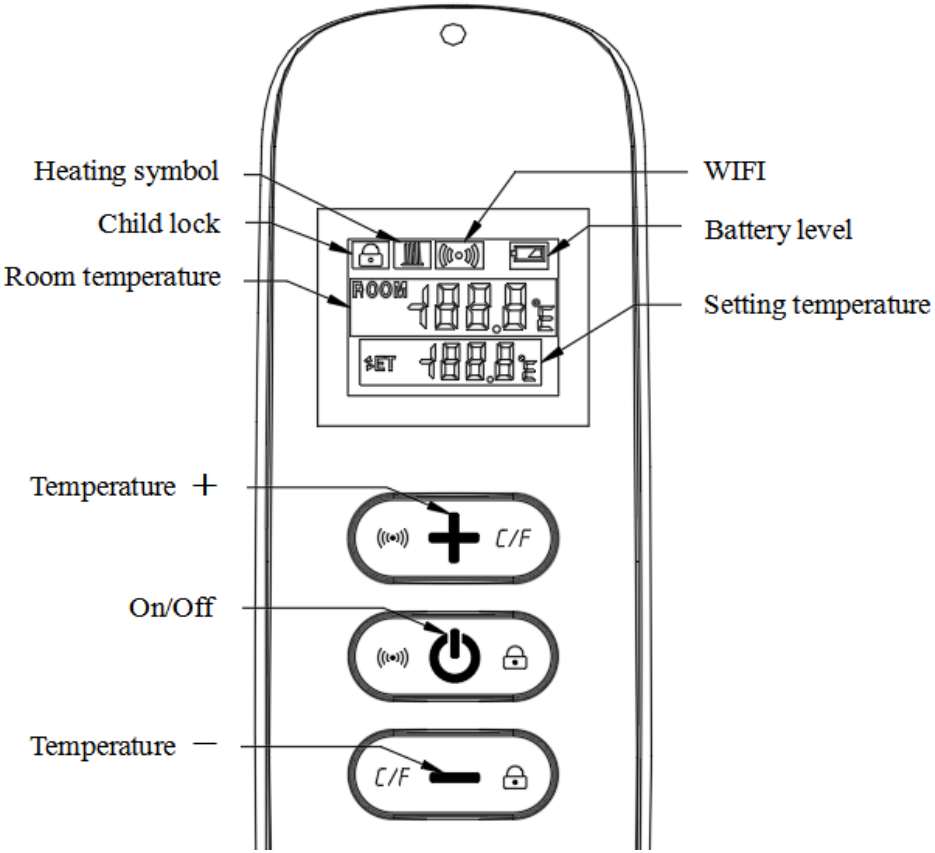
The display shows the measured room temperature, set temperature, child-lock status and battery level.

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

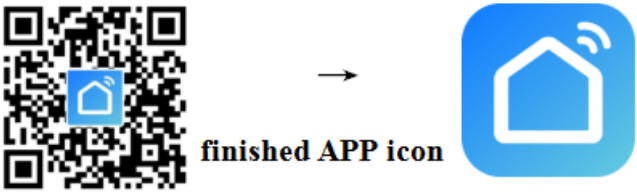
Display backlight

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

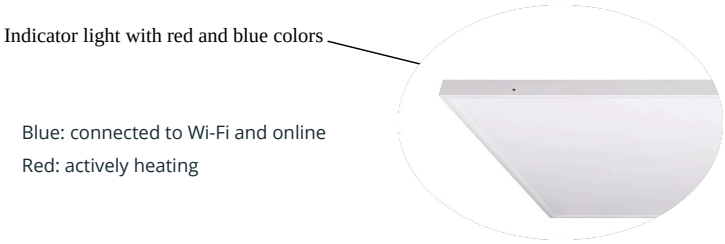
Switch on the electricity supply to the heater; it will beep. Pair the remote with the heater using the Power and + buttons, as described in the remote-pairing instructions.

Once paired, press and hold the Power button alone for six seconds, until the heater's blue indicator 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.

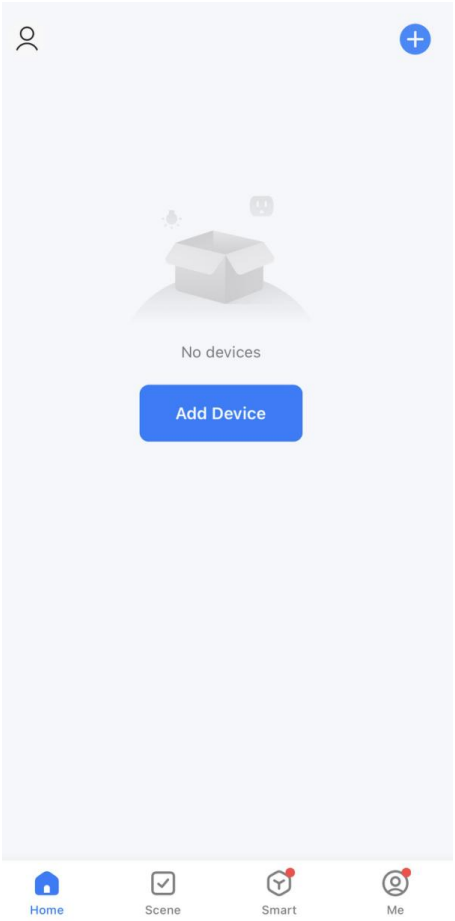
Indicator lights

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



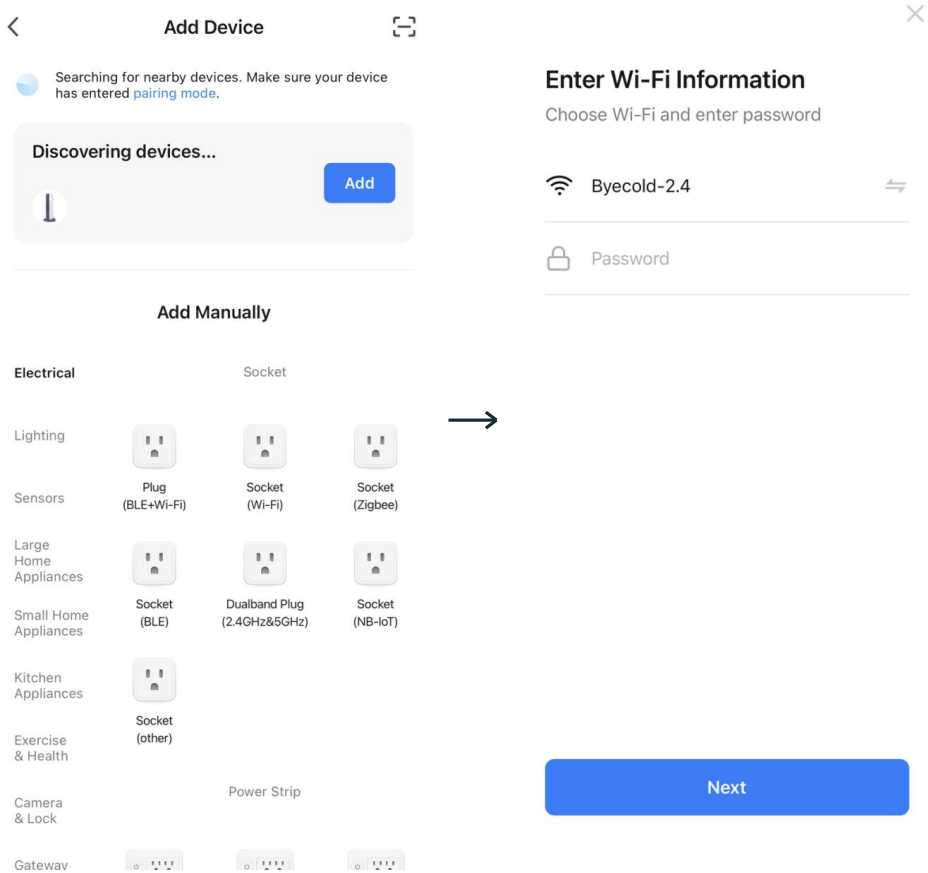
4. Add the heater in Smart Life

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.

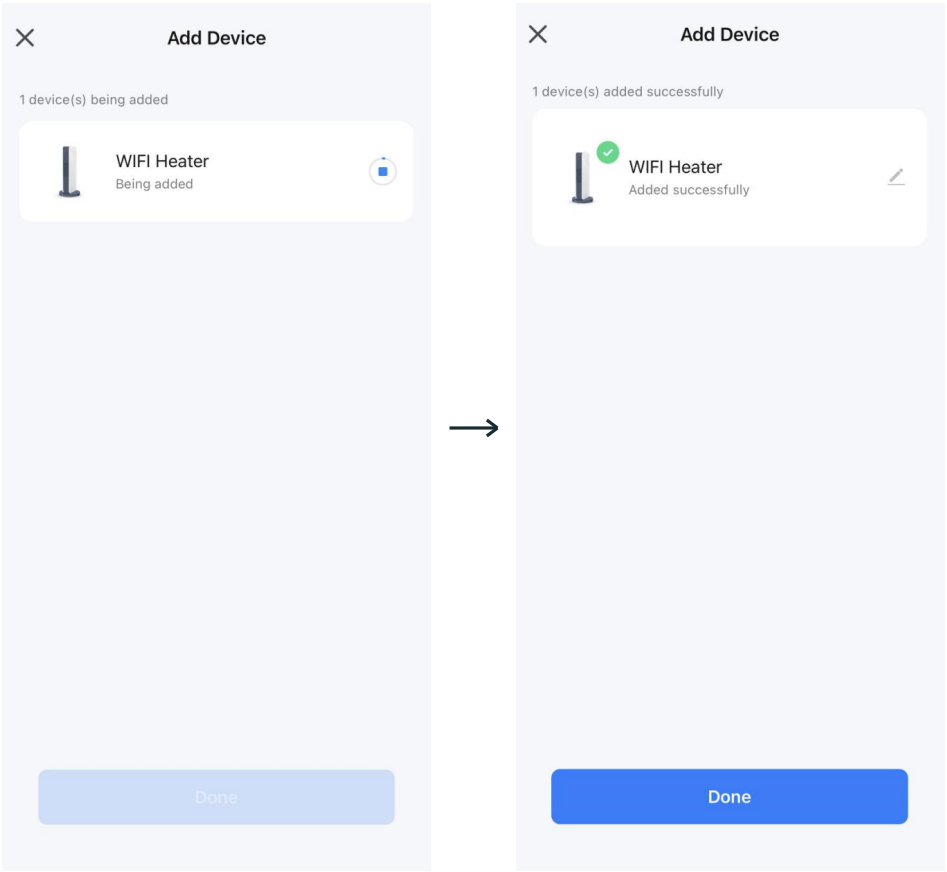


6. Complete the Wi-Fi connection

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

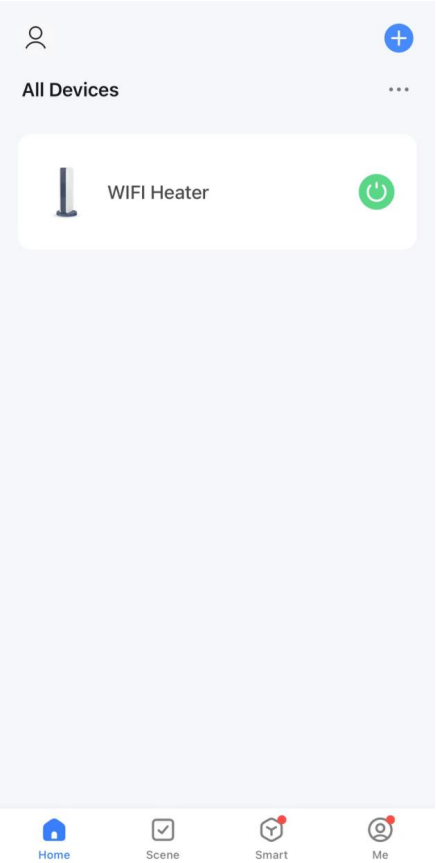
When the connection is successful, the blue indicator at the front corner of the heater lights up. You can then name the device, for example “Infrared panel heater”.

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



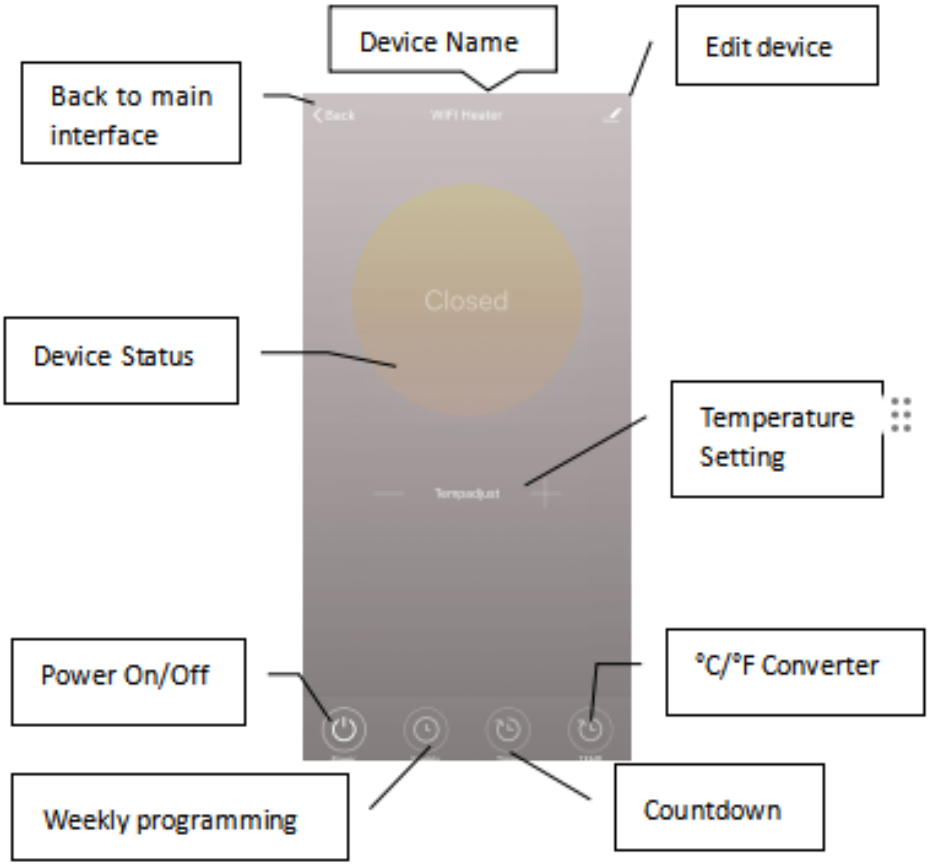
Using the Smart Life app

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 less than 8 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 and normal temperature control resumes automatically.
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.

Here to help

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

Infrared Heating Supplies

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Bolton
BL3 2AW

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info@infraredheatingsupplies.com

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