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Linear Bar Heaters

Instruction Manual

Models with and without a built-in thermostat



1200 W / 1800 W / 2400 W / 3000 W

Without thermostat

LH12J LH18J LH24J LH30J

With built-in thermostat and Wi-Fi

LH12DW LH18DW LH24DW LH30DW

Infrared Heating Supplies

infraredheatingsupplies.com

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Keep this manual for future reference.

Linear Bar Heater Instruction Manual

For models with and without a built-in thermostat.

Before First Use

Read and follow all instructions in this manual, even if you are familiar with the product. Keep the manual in a convenient place for future reference.

Record the full model number shown on the product's rating plate and the date you received the product. Keep these details together with your purchase receipt, warranty and service information in case warranty service is required.

The rating shown on the product's rating plate is based on specific load tests. Power consumption during normal use or when using other recommended attachments may differ.

NOTE: When the heater is first used, you may notice an odour and some smoke. This is caused by protective oils used on the heating element during manufacture burning off during initial use. Allow the heater to operate in a well-ventilated area; the odour should disappear after a short time.

Important Safeguards

When using any electrical appliance, always follow basic safety precautions, including the following:

WARNING: To reduce the risk of fire, electric shock, personal injury or damage to property:

- Read all instructions carefully before using the product and keep them for future reference.
- Use only the voltage specified on the heater's rating plate.
- Do not cover the heater. Keep all objects at least 1,000 mm from the front heating surface. Maintain a minimum clearance of 200 mm at each end, behind and above the heater. Do not obstruct the grilles or air openings. See the installation diagrams on pages 7 and 8.
- Do not place the heater near another source of radiant heat.
- Do not use the heater in areas where petrol, paint or other flammable liquids are used or stored.
- The heater becomes hot during use. To avoid burns, do not allow bare skin to touch hot surfaces. Switch the heater off and allow it to cool before moving it.
- Do not immerse the heater in liquid or allow liquid to enter it, as this may cause electric shock.
- Do not use the heater if its power cable or plug is damaged, if it malfunctions, or if it has been dropped or damaged in any way. Have it inspected, adjusted, serviced or repaired by a qualified electrical technician.
- Do not touch the heater with wet hands.
- Dust and lint build-up is a common cause of overheating. Remove these deposits regularly by unplugging the heater and vacuuming the air vents and grilles.
- Do not use the heater in a window, as exposure to rain may cause electric shock.
- Do not use abrasive cleaning products. Clean the heater with a damp, but not wet, cloth using mild soapy water. Always unplug the heater from the mains supply before cleaning.
- Do not connect the heater to the mains supply until it has been fully installed and adjusted.

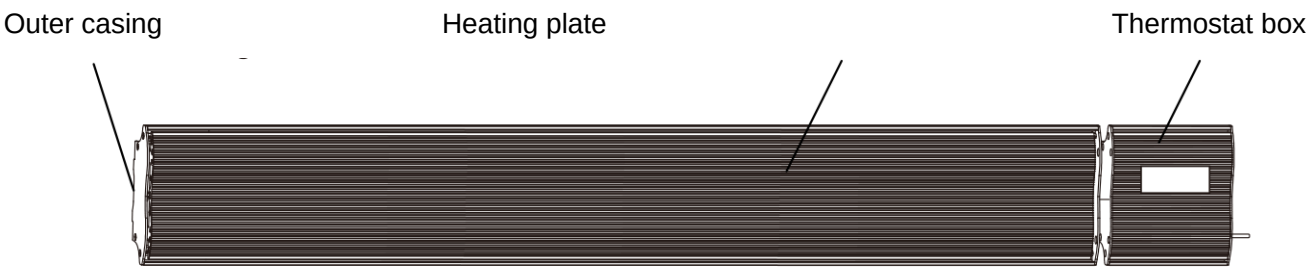
Safety Instructions Continued

- Do not use the heater in the immediate vicinity of a bath, shower, swimming pool or other sources of liquid.
- Switch the heater off and allow its surface to cool before moving it.
- Do not leave the power cable coiled while the heater is operating, as this may create a hazard.
- Use of an extension lead with this heater is not recommended.
- Disconnect the heater from the power supply when it is not in use.
- Do not allow the power cable to touch hot surfaces while the heater is operating.
- Do not run the power cable through areas where people walk, as this may cause someone to trip or the heater to fall.
- Do not twist or kink the power cable or wrap it around the heater, as this may weaken or split the insulation. Always fully unwind the cable before use.
- Do not store the heater while it is still hot.
- Young children and people who require assistance must not use this heater without supervision.
- Do not install the heater directly below a socket outlet.
- Models without a built-in thermostat may be connected to an external thermostat or programmer. Models with a built-in thermostat must not be connected to an external thermostat. Ensure the heater remains uncovered and correctly installed when automatic controls are used.
- All protective covers are designed to prevent direct access to the heating elements and must remain in place while the heater is operating.
- Use the heater only as described in this manual. Any other use is not recommended by the manufacturer and may cause fire, electric shock or injury.
- This appliance may be used by children aged 8 years and over and by people with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, provided they have been supervised or instructed in its safe use and understand the hazards involved. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
- Children under 3 years must be kept away unless continuously supervised. Children aged 3 to under 8 years may only switch the appliance on or off if it has been installed in its intended normal operating position and they have been supervised or instructed in its safe use and understand the hazards involved. Children aged 3 to under 8 years must not plug in, adjust or clean the appliance, or carry out user maintenance.
- CAUTION: Some parts of this product can become very hot and cause burns. Particular care must be taken when children or vulnerable people are present.

Product Description

Without Built-in Thermostat	With Built-in Thermostat and Wi-Fi
LH12J / LH18J / LH24J / LH30J	LH12DW / LH18DW / LH24DW / LH30DW

With Built-in Thermostat



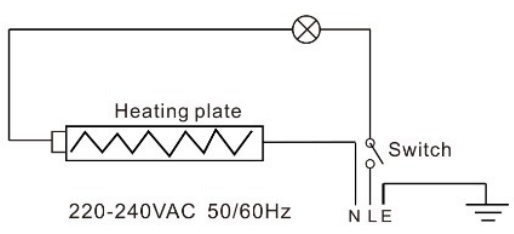
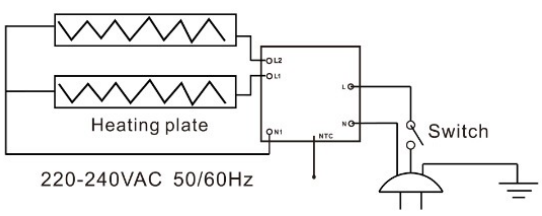
Without Built-in Thermostat



Product Dimensions

Model	Power	Length (mm)	Height (mm)	Width(mm)
LH12DW/LH12J	1200 W	940	150	63
LH18DW/LH18J	1800 W	1240	150	63
LH24DW/LH24J	2400 W	1540	150	63
LH30DW/LH30J	3000 W	1840	150	63

Circuit Diagrams

Without Built-in Thermostat	With Built-in Thermostat
	

Electrical Connection

For hardwired installations, the heater must be connected through an accessible all-pole isolating switch. Hardwiring must be carried out by a qualified electrician.

WARNING: Connect the supply cable to the connection block, ensuring that each wire is connected to the correct terminal as described below.

IMPORTANT: The wires in the mains cable are identified by the following colours.

Wire Colour	Connection
Blue	Neutral — N
Brown	Live — L
Green/yellow	Earth — E

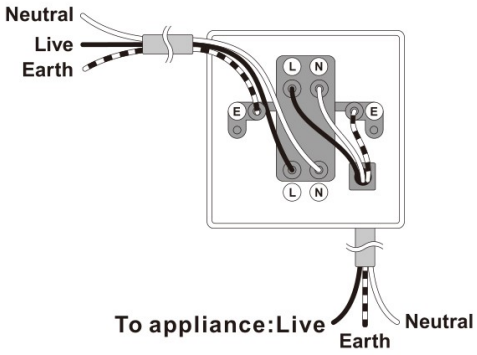
• The blue wire must be connected to the terminal marked N or coloured black.

• The brown wire must be connected to the terminal marked L or coloured red.

• The green/yellow wire must be connected to the terminal marked E or coloured green/yellow.

WARNING: Never connect the live or neutral wire to the earth terminal.

Flex outlet connection with a metal frontplate: connect the cables as shown in the diagram.



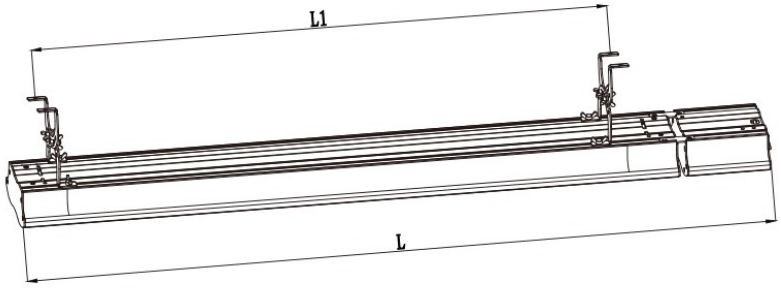
1200 W 1800 W and 2400 W Models

The 1200 W, 1800 W and 2400 W models are supplied with a 13 A UK plug. These models may also be hardwired to a suitable fused connection unit. Hardwiring is recommended; the plug may be removed by a qualified electrician when making this connection.

3000 W Models

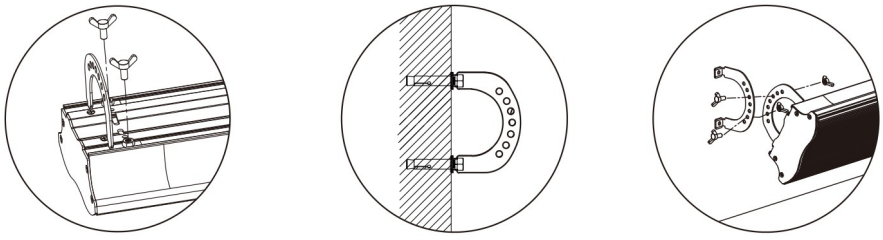
The 3000 W models, LH30J and LH30DW, are supplied without a plug and must be hardwired to a suitable fixed supply with 16 A circuit protection and an appropriately rated all-pole isolating switch. They must not be connected to a 13 A plug or standard 13 A fused connection unit. A qualified electrician must select the correct cable, protection and connection accessories.

Installation



Model	L (mm)	L1 (mm)
LH12DW/LH12J	940	707
LH18DW/LH18J	1240	1007
LH24DW/LH24J	1540	1307
LH30DW/LH30J	1840	1607

Attach the Mounting Brackets



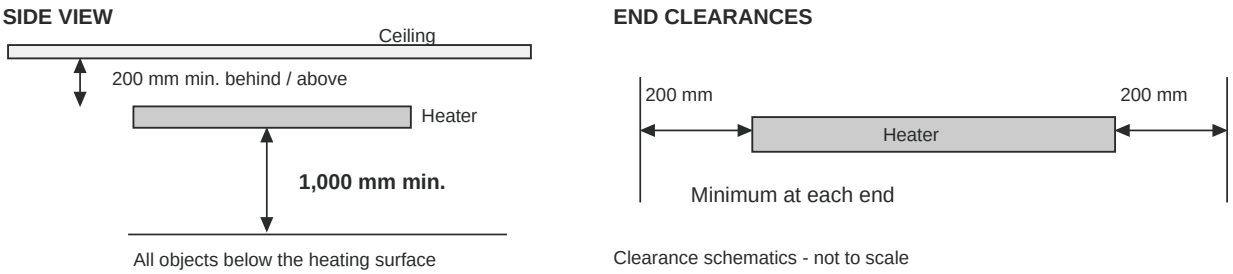
A B C

Step 1: Attach the two mounting brackets to the top of the heater using the screws, as shown in Figure A.

Step 2: Secure the two corresponding mounting brackets to the wall or ceiling using the screws, as shown in Figure B.

Step 3: Join the brackets and secure the heater using the screws, as shown in Figure C.

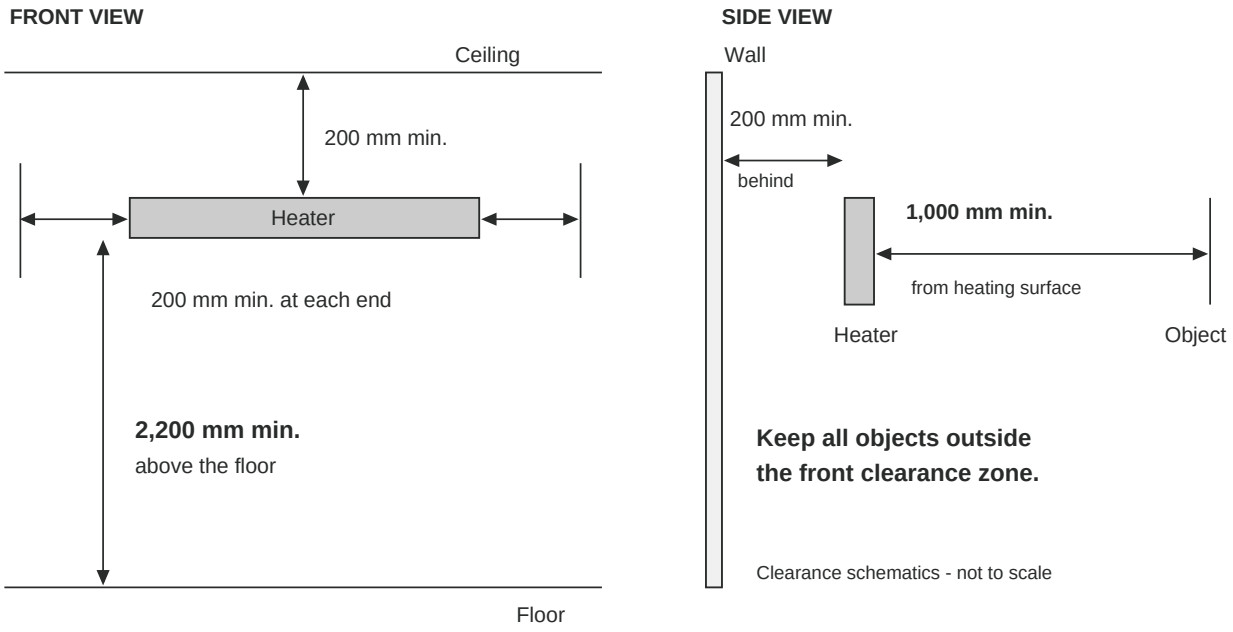
Figure 1 Ceiling Installation



Keep all objects at least 1,000 mm from the front heating surface. Maintain at least 200 mm at each end, behind and above the heater. These clearances also apply to suspended installations.

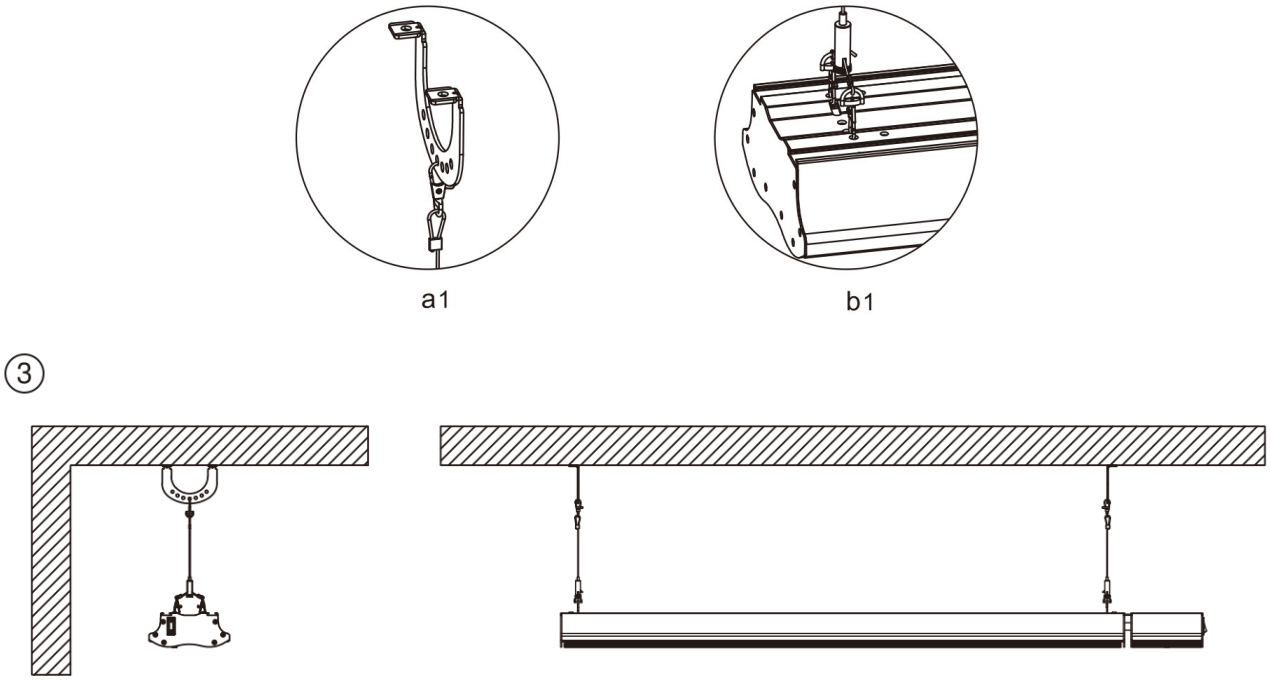
Wall and Suspended Installation

Figure 2 Wall Installation



Mount the heater at least 2,200 mm above the floor. Keep all objects at least 1,000 mm from the front heating surface, with at least 200 mm at each end, behind and above the heater.

Figure 3 Suspended Ceiling Installation



The heater can be suspended from the ceiling using suspension fittings, as shown in Figure 3.

Additional parts must be purchased separately.

Suspended installation: maintain the same minimum object clearances shown above and in Figure 1 on page 7.

Operating the Heater

Before Switching On

Read the operating instructions before first use.

1.1 Carefully remove the heater from its packaging. Keep the packaging for storage when the heater is not in use.

1.2 Make sure the heater's switch is in the OFF position before switching on the power supply.

1.3 Secure the heater firmly by following the mounting instructions.

1.4 Do not connect other high-power appliances to the same socket outlet, as this may cause overloading.

Models Without a Built-in Thermostat

Once the heater has been installed and connected to the supply, use its on/off switch to start or stop heating.

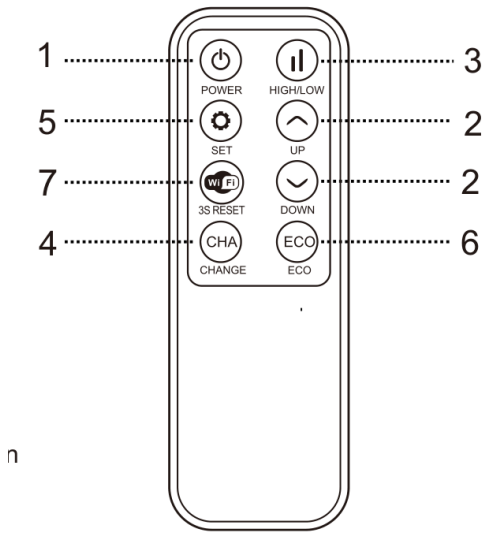
The orange indicator light shows that the heater is switched on.

These models may be hardwired to a suitable external thermostat; this is recommended when controlling multiple heaters as a group or zone.

The electrician must ensure that the thermostat and any switching equipment are suitable for the combined load.

Models with a built-in thermostat must not be connected to an external thermostat, as this arrangement will not operate correctly.

Remote Control for Built-in Thermostat Models

Remote Control	Button Functions
	1 On/off 2 Temperature and timer adjustment 3 High/low heat 4 Change 5 Set 6 Display on/off — ECO 7 Wi-Fi reset

Built-in Thermostat Controls

These instructions apply to models with a built-in thermostat.

Switching On

Press the ON/OFF button to switch the heater on. The display will show the room temperature. If the room temperature is below the set temperature, the heater will start heating and the indicator light will flash.

Control Lock

Press CHANGE, followed by ON/OFF. The lock indicator will illuminate. All buttons are disabled while the control lock is active.

Display On/Off

Press the DISPLAY (ECO) button to switch the display off. Press it again to switch the display on.

Temperature Setting

Press SET, then use UP or DOWN to adjust the temperature in 1°C increments. The minimum setting is 5°C and the maximum setting is 45°C.

Once the desired temperature is selected, the heater will save the setting automatically and return to its normal operating display, showing the room temperature.

Timer Setting

Press SET. The display will show “00” flashing. Use UP or DOWN to set the timer between 1 and 24 hours, in one-hour increments.

Once the timer is set, the heater will save the setting automatically and return to normal operation. The timer setting will be shown on the display.

Open-Window Detection

Open-window detection is disabled by default. To enable or disable it, follow the steps below.

To enable: Press CHANGE, then SET within five seconds. The display will show “ON”. After “ON” flashes for five seconds, the display will return to its previous screen.

When the room temperature drops by 3°C or more within two minutes, open-window detection will stop the heater. The LED display will flash and a clicking sound may be heard. The heater must be manually reset before it can resume operation.

To disable: Press CHANGE, then SET within five seconds. The display will show “OF”, indicating that open-window detection is disabled.

Wi-Fi and Additional Controls

For models with a built-in thermostat and Wi-Fi.

Wi-Fi Reset — Wi-Fi Models Only

While the heater is operating, press and hold the Wi-Fi RESET button for three seconds. The Wi-Fi indicator will flash, indicating that the connection has been reset.

You can then connect the heater to the app on your phone and control it through the app. The Wi-Fi indicator will remain illuminated while the heater is connected.

If the Wi-Fi connection fails during setup, reset the Wi-Fi connection and try again.

Note: Make sure your mobile device is connected to the same Wi-Fi network. Enable Wi-Fi and Bluetooth on your mobile device before connecting the heater.

High/Low Heat Setting

While the heater is operating, press HIGH/LOW to switch between the high and low heat settings.

Switching Between Celsius and Fahrenheit

Press CHANGE, then HIGH/LOW, followed by DOWN within five seconds to switch between Celsius and Fahrenheit.

Switching Off

Press ON/OFF to switch the heater off.

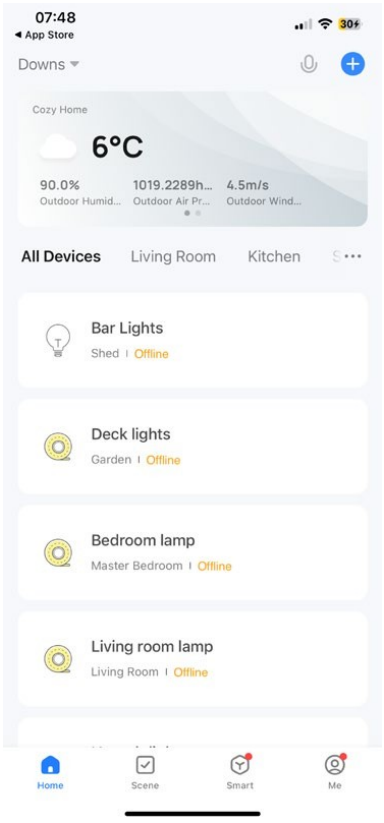
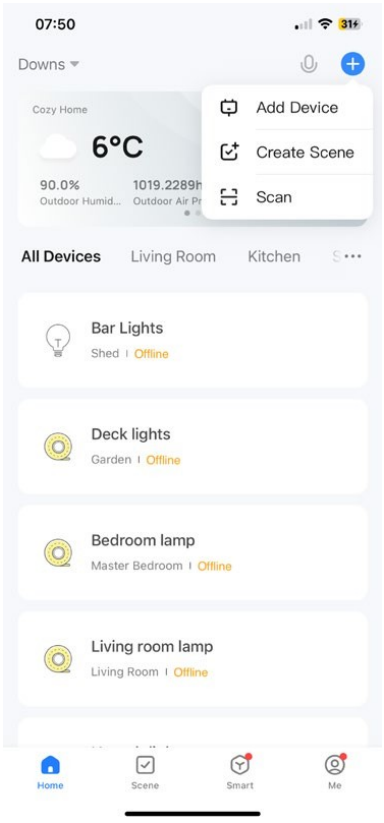
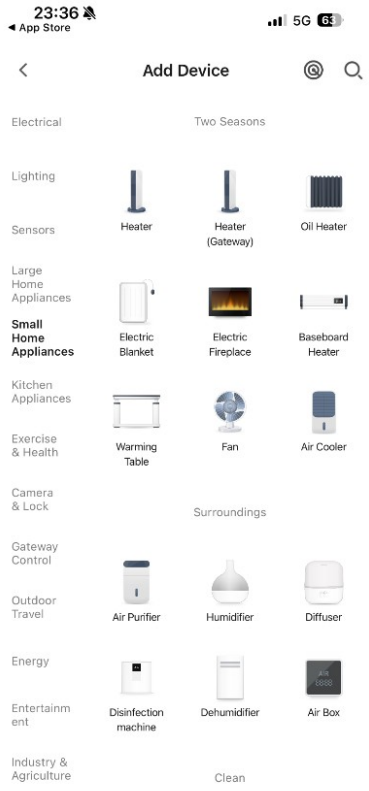
Download Smart Life

Scan the QR code below to download the app on your smart device. Alternatively, search for “Smart Life” in your device’s app store.

Connect your phone to a 2.4 GHz Wi-Fi network before pairing the heater.

Connect the Heater to Smart Life

For Wi-Fi models only. Enable Wi-Fi and Bluetooth on your phone before setup.

1 Open the App	2 Add a Device	3 Select the Heater
Open Smart Life and enter the main screen.	Tap + in the top-right corner, or select Add Device.	Go to Small Home Appliances and select Heater.
		

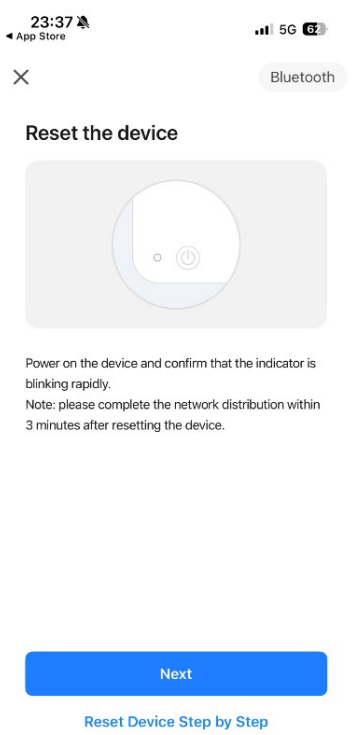
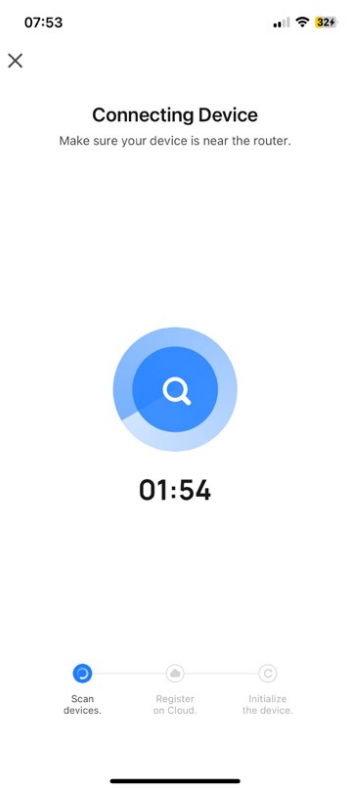
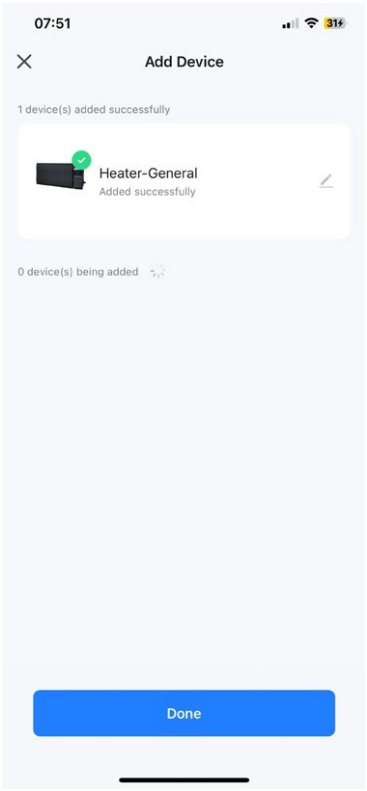
Complete Wi-Fi Setup

Enter the Wi-Fi Password

Select your Wi-Fi network and enter its password.

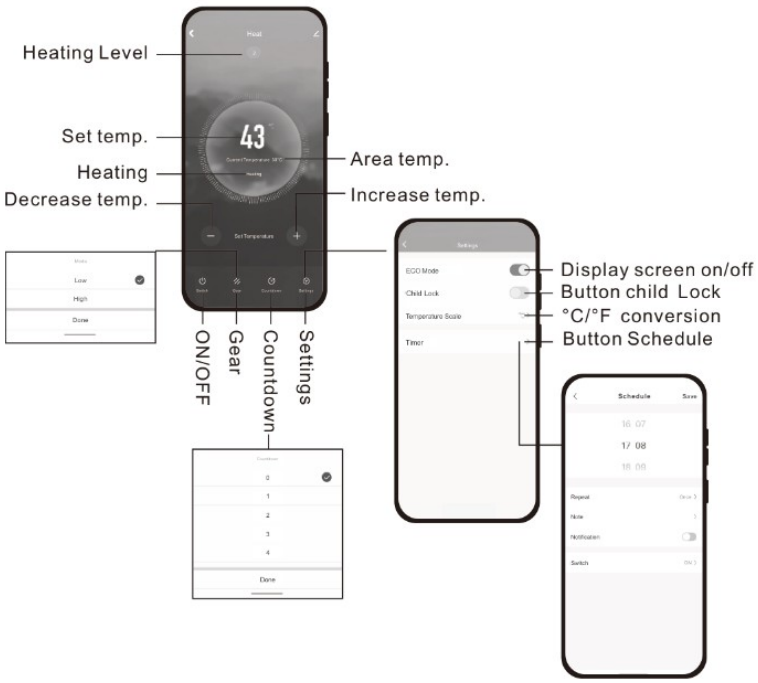
Confirm the Flashing Indicator

Check that the heater's indicator is flashing rapidly, then tap Next. If the indicator is not flashing, reset the Wi-Fi connection as described in the operating instructions.

Confirm the Indicator	Connecting	Setup Complete
Check that the indicator is flashing rapidly, then tap Next.	The app connects to the heater.	Tap Done to open the controls.
		

Smart Life App Controls

For Wi-Fi models only. The screens below show the heater controls and settings.

Control Screen	Controls and Settings
	

Using the Controls

Control	Function
Switch	Turn the heater on or off.
Temperature adjustment	Use the plus and minus controls to adjust the set temperature.
Mode or Gear	Select the heating level.
Countdown	Set the countdown timer.
Settings	Access display settings, child lock, temperature units and schedules.

Note: App updates may change the appearance of the screens shown in this manual. All images are for reference only.

Warnings and Recycling

Warnings

1. Secure the heater correctly to the wall or position it as specified in the installation instructions.
2. Install the heater so that its controls cannot be touched by anyone using a bath or shower.
3. Do not install the heater directly below a socket outlet.
4. Contact a qualified electrician or service technician if the power cable is damaged.
5. Store the heater when it is not in use.
6. Allow the heater to cool completely before storing it.
7. Do not use the heater without supervision in rooms occupied by people who require assistance.
8. Keep the heater a safe distance from furniture and other appliances to avoid a hazard.

Waste Electrical Equipment Recycling

The crossed-out wheeled-bin symbol indicates that this product is electrical or electronic equipment and must not be disposed of with general household waste.

The Waste Electrical and Electronic Equipment (WEEE) Directive was introduced across the European Union to encourage the use of suitable recovery and recycling techniques, minimise environmental impact, ensure hazardous substances are treated appropriately and reduce waste sent to landfill.

Take this product to a designated electrical-waste collection point. For information about local recycling facilities, contact your local authority.

As part of our policy of continuous improvement and development, we reserve the right to amend product details and specifications without prior notice.

ErP Product Information: Wi-Fi Models Only

This information applies only to LH12DW, LH18DW, LH24DW and LH30DW. It does not apply to the standard LH12J, LH18J, LH24J or LH30J models.

Item	Unit	LH12DW	LH18DW	LH24DW	LH30DW
Nominal heat output	kW	1.200	1.800	2.400	3.000
Minimum heat output	kW	0.600	0.900	1.200	1.500
Maximum continuous heat output	kW	1.200	1.800	2.400	3.000
Off-mode power consumption	W	0.00	0.00	0.00	0.00
Standby power consumption	W	0.86	0.86	0.86	0.86
Network standby power consumption	W	1.15	1.15	1.15	1.15

Control functions confirmed for all four Wi-Fi models

Electronic room temperature control with weekly timer: Yes

Room temperature control with open-window detection: Yes

Distance control option: Yes

Source: manufacturer-supplied test report RKEYS250624060, dated 13 August 2025; model list on page 4 and product information tables on pages 21, 24, 27 and 29.

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