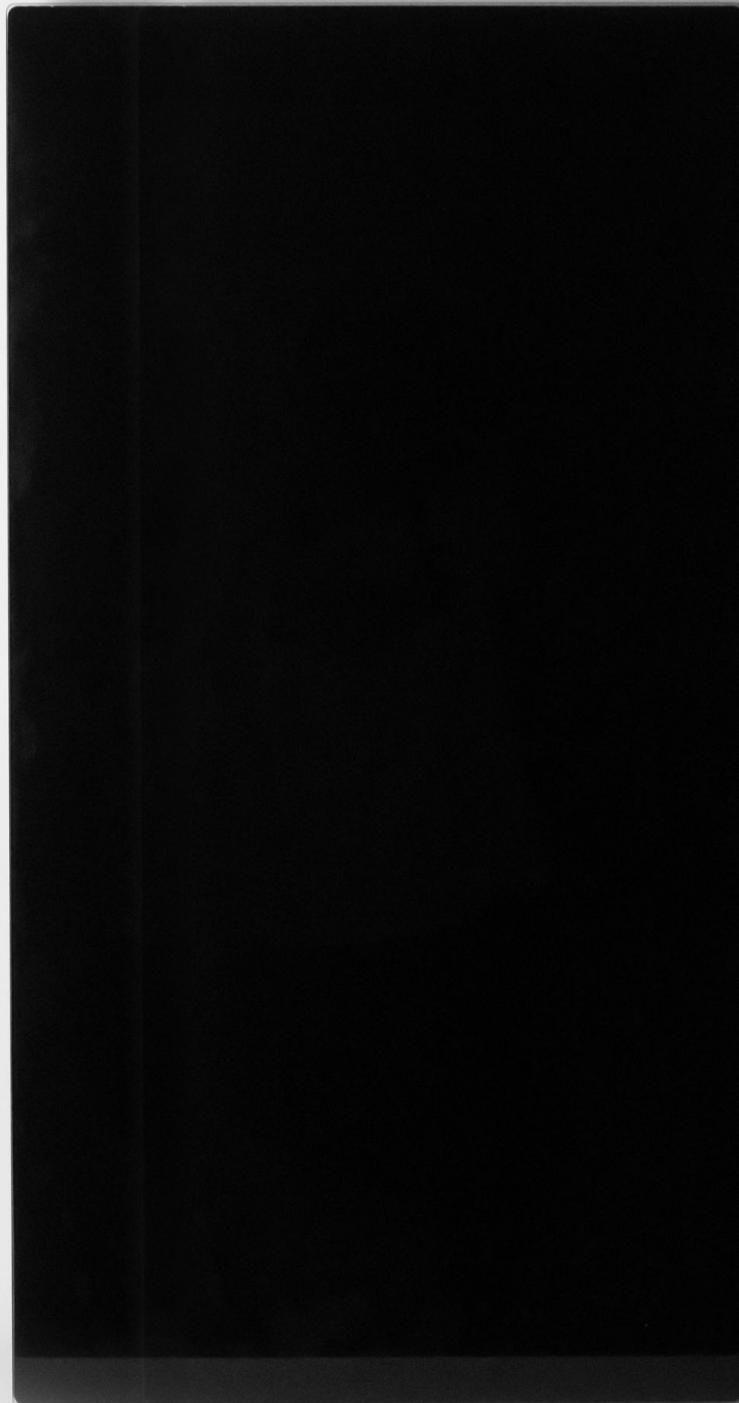


KELVIN USER MANUAL



To get started with the KELVIN heater scan the QR code below. It contains video set up instructions as well as links to both IOS and Android apps. Please note that we do not recommend the use of KELVIN heater without the accompanying app.



DOWNLOAD THE BOLDR APP

<https://linktr.ee/boldrkelvin>



VIEW DRILLING INSTRUCTIONS FOR KELVIN INSTALLATION

Note: physical drilling template is included in the box.

https://linktr.ee/kelvin_drilling

KELVIN SPECIFICATIONS

KELVIN Standard

Weight: 9kg
 Dimensions: 960 x 500 x 12mm
 Advised Heating Area: 100 sqft (9m²)
 Rated Input: 450W
 WiFi Operational Range: up to 50m outdoors/30m indoors

KELVIN Large

Weight: 12kg
 Dimensions: 1200 x 600 x 12mm
 Advised Heating Area: 200 sqft (18m²)
 Rated Input: 750W
 WiFi Operational Range: up to 50m outdoors/30m indoors.

Wi-fi Requirments: Works with standard 2.4Ghz Bandwidth!*

*You will need a standard 2.4 ghz Wi-Fi bandwth . If your router has band steering, we advise that you uncouple the 2.4 ghz and 5.0 ghz networks. This can easily be done by logging into your Wi-Fi router IP address!

INTENDED USE

- Before utilizing the product, the user should determine the suitability of the product for its intended use. The product is intended for use as a heating device for residential use as outlined in this document. Use outside of this scope is NOT covered by the warranty.
- KELVIN heaters are intended for use with a specific voltage which is region based. The voltage that is needed is based on the delivery address. If the heater is used in a different region than the delivery address - there are risks of overheating and damage.
- Region specific voltages:

USA: 110V/120V

Canada: 110V/120V

UK: 240V

Europe, Ireland: 230V

Australia, New Zealand: 230V/240V

South Africa: 230V

Switzerland: 230V

Japan: 100V

- In no case shall Baldr Group Ltd (BOLDR) be liable under any legal theory, including but not limited to contract or strict liability, for any direct, indirect special, incidental or consequential damages resulting from incorrect product use.

SAFETY ADVICE

- CAUTION! Danger of electrocution. Mounting/installation is recommended to be done by a qualified professional.
- CAUTION! At no point should the product be disassembled. Opening the product control box will violate the warranty and may lead to malfunction and danger to life.
- CAUTION! There is always risk of injury from touching any form of electric heater and KELVIN panels are no different. However, a key benefit of KELVIN panels, unlike conventional heaters, is that they can be mounted higher up on walls - reducing the likelihood of accidentally touching them or falling against them. We always advise mounting panels higher on the wall, especially in areas where young children or the elderly are present.
- CAUTION! Connect and install the device only in the way shown in these instructions. Any other method could cause damage, injury and/or risk to life.

WHERE TO PLACE THE HEATER

- This is an infrared panel heater. It heats objects by transferring energy directly from the heater into the object. Therefore, consider placing the heater where it will not be immediately obstructed by objects like furniture or where it cannot effectively radiate out, such as at the edge or in the corners of a room.
- Heater placement should be guided by the most actively used areas in a room.
- Objects placed in front of the heater will heat up and can prevent effective heat dispersion into the room. Avoid placing the device opposite windows or open doorways.
- The mounting location should be chosen in such a way that the glass cannot be accidentally broken and people will not be in danger from a possible break in the glass.
- The minimum distance from the back side of the panel must be 30mm to the mounting surface. This will always be the case if the mounting hardware provided is used.
- Objects in front of the panel must be at least 400mm away from the sides. The distance between the sides of the heater and the sides of any adjacent heater must be a minimum of 800mm. Failure to do so could cause excess heat to build up behind the heaters and will void the warranty.

SHELLY THERMOSTAT

To enable the Shelly Thermostat follow the in-app instruction.

Battery Type: 3V DC - CR123A

Battery Life: Up to 18 months

Electrical consumption: Static $\leq 70\mu\text{A}$ /Awake $\leq 250\text{mA}$

Humidity measurement range: 0~100% ($\pm 5\%$)

Temperature measurement range: $-40^{\circ}\text{C} \div 60^{\circ}\text{C}$ ($\pm 1^{\circ}\text{C}$)

Working temperature: $-40^{\circ}\text{C} \div 60^{\circ}\text{C}$

Dimensions (HxWxL): 35x45x45 mm

Radio protocol: WiFi 802.11 b/g/n

Frequency: 2400 – 2500 MHz;

Operational range: up to 50m outdoors/30m indoors

- CAUTION! Use the device only with batteries which comply with all applicable regulations. Inappropriate batteries may cause a short circuit in the device, which may damage it.
- CAUTION! Do not allow children to play with the device, especially with the Power Button. Keep the devices for remote control of KELVIN (mobile phones, tablets, PCs) away from children.

- Device Wake Up: To open the device, twist the top and bottom part of the case counter clockwise. Press the Button. The LED should flash slowly. This means that Shelly thermostat is in AP mode. Press the Button again and the LED will turn off and Shelly thermostat will be in sleep mode.

LED States:

- LED flashing quickly - AP Mode
- LED flashing slowly - STA Mode (No Cloud)
- LED still - STA Mode (Connected to Cloud)
- LED flashing quickly - FW Update (STA mode connected Cloud)

Factory Reset: You can return your temperature sensor to its Factory Settings by pressing and holding the button for 10 seconds. Upon successful factory reset the LED will flash slowly.

Wi-fi Requirements: Works with standard 2.4Ghz Bandwidth!*

*You will need a standard 2.4 ghz Wi-Fi bandwidth . If your router has band steering, we advise that you uncouple the 2.4 ghz and 5.0 ghz networks. This can easily be done by logging into your Wi-Fi router IP address!

INSTALLING YOUR KELVIN HEATER ON THE WALL:

- **ATTENTION:** When mounting the heater, beware that it will shift when locking into place. Please keep this in mind when positioning the heater.
- Attach the template to the wall in the position that you intend to hang the heater ensuring the template itself is level.
- Drill the 4 holes as indicated on the template using an 8mm diameter sized drill bit.
- Remove the template from the wall.
- Insert raw plugs and screw in supplied mounting screws, leaving the screw head and 4 - 5mm of screw shaft exposed (to mount the brackets on).
- The heater can now be affixed to the wall using the installed screws by aligning the screw head with the holes on the heater wall mount.

INSTALLATION SAFETY

- This appliance must be disconnected from its power source during installation or service activities.
- In order to avoid overheating and potential fire hazard, DO NOT cover the heater with insulating material or similar material under any circumstances. DO NOT locate the heater within 0.3m of any flammable materials (eg. Furniture, curtains).
- The recommended minimum distance of the panel to the floor should be 1.2m, especially if there are children at home.
- The space between the rear of the panel and the wall must be unobstructed at all times to allow sufficient air flow.
- NEVER mount the heater where there is a risk it could fall into any kind of water container.
- DO NOT install in rooms where direct contact with water is possible.
- If your electric supply exceeds 250 Volts, DO NOT USE the heater under any circumstances.
- **CAUTION:** the electrical circuit to power the heater must be capable of disconnection and de-activation by a switch, fuse, RCD or GFCI.
- DO NOT operate the heater if the cord or plug is damaged or after the heater malfunctions, or if it has been dropped or

damaged in any manner. Check each heater for damage before installation. Make sure that the heater itself, the plug and the cable are free of any visible signs of damage. If the cord is damaged the appliance must be sent for repair to the manufacturer (Baldr Group Ltd).

- Handle carefully and avoid stressing the glass mechanically. Do not use the heater if the glass panels are damaged. Disconnect the heater and do not put it into operation again. Dismount the heater immediately to reduce the danger of direct impact from falling pieces and dispose of the unit in accordance with the local Waste Electrical Equipment regulations.
- This heater must only be used for the heating of people or buildings. The heater is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience or knowledge. Children should be kept away and should not be left unsupervised around the unit.
- All operators should only switch on/off the appliance provided that it has been placed or installed in its intended operating position in accordance with these instructions. Children must not plug in, switch on or regulate the appliance or perform user maintenance including cleaning.
- DO NOT touch the heater when in use. The product has a surface temperature of around 90°C and prolonged contact with the heater will cause burns and injury.
- **IMPORTANT:** The heater must be mounted on a non-flammable surface that is capable of bearing the weight of the heater.

CLEANING

- Before attempting to clean the panel, unplug the heater, isolate the unit from the electrical supply and allow it to completely cool down. DO NOT immerse the KELVIN in water or splash water onto it. Clean the glass surface with a damp cloth and glass cleaner. Never use a wet cloth. When clean, dry the surfaces with a dry cloth.
- DO NOT apply abrasive materials, solvents or solvent wipes to the surface as this can cause irreparable damage. Wait until the unit is completely dry before use.

MAINTENANCE & REPAIR

- DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void your warranty. Repairs must only be carried out by an authorised BOLDR service partner or the manufacturer (Baldr Group Ltd).

DISPOSAL

- The devices should not be disposed of with other household waste at the end of its working life. Household users should contact either the retailer where they purchased this product for proper disposal or recycle them through the local return system. For further information contact your municipal waste management.

WARRANTY

- Within the warranty period, repair or replacement due to defects in material and workmanship is completely free of charge; the costs are covered by the manufacturer on presentation of your invoice or delivery slip.
- A prerequisite for validity of the warranty is use of the device as intended with observance of the specified conditions of use. Any further warranty or claims are excluded. The warranty covers the repair or replacement of the defective product only. Any further claims or liability for consequential loss are excluded.
- **WARRANTY RESTRICTION:** The warranty will be void if the heater has been tampered with or opened in any way. Baldr Group Ltd will assume no responsibility for scratches on surface or frames after first use. Baldr Group Ltd cannot accept responsibility for damage, loss or injury caused by ingress of water or moisture, accidental damage, mishandling, external impact, adjustment by unauthorised personnel or failure to follow the correct maintenance and safety precautions as stated in the manual.
- If a fault or defect covered by the warranty occurs, the heating panel has to be sent to an authorised service partner or the manufacturer together with the invoice or original delivery note. If sending by carrier the heating panel should be properly packaged and proof of purchase must be produced.

PRODUCT CERTIFICATION

- CE- European Safety Standards Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC
- RoHS 2011/65/EC Ecodesign requirements for local space heaters 2009/125/EC.
- IP44 rated

LEGAL

Manufacturer: Baldr Group Ltd
Trading Name: BOLDR
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London WC2H 9JQ, UNITED KINGDOM
E-mail: info@shopboldr.com
Website: <https://www.shopboldr.com>

Changes in the contact data are published by the manufacturer at the official website of the device: <https://www.shopboldr.com>

The user is obliged to stay informed for any amendments of these warranty terms before exercising his/her rights against the manufacturer.