

In-Built Thermostat | User's Manual

Thank you for choosing our infrared heating panel with an in-built thermostat. Please ensure that you read this guide prior to using the product.

Technical Data – Remote Control

- Battery-powered: DC 3V (2x 1.5V AAA batteries, not included)
- Power Consumption: 3V,0.1mA
- Set temperature range: 0°C - 45°C, resolution: 1°C
- Room temperature range: 0°C - 50°C, display resolution: 0.1°C
- Accuracy of the measured temperature: $\pm 0.5^{\circ}\text{C}$
- Working environment range 1°C - 50°C
- Dimension: L135mm×W56mm×H18mm
- Weight: 86g
- Radio frequency 433.92MHz

Technical Data – In-Built Receiver

- Power Supply: AC220-240V, 50/60 Hz
- Power Consumption: 0.4W
- With remote control disabling switch at the rear of the heater

Introduction

Each in-built controller will consist of two parts:

- A portable remote control with a digital display which is where you will control your heating panel from.
- A receiver which is inbuilt into your heater which will receive signals from your remote control.

The portable remote control detects the room temperature using its integrated sensor and will then send a signal to the receiver inside the heater to turn on/off depending on the room temperature.

When the room temperature gets higher than 0.5°C from your set target temperature, the remote control will send a signal to the receiver to turn your heater off. Likewise, when the room temperature is 0.5°C below your target temperature, it will send signals to turn your heater on.

The display screen on your remote will display the target temperature, the current temperature as well as the time, date and modes etc.

The Functions

- Weekly programming
- Temperature settings
- Time settings
- Smart control
- Lock function

The remote control is powered by 2 x AAA batteries. The controller will start flashing with a battery symbol when your batteries are running out.

When the LCD screen on your remote controller is off, this means that only the receiver inside the heater is off. The remote control itself will still work until the batteries are out of life or removed.


Pairing Your Controller:

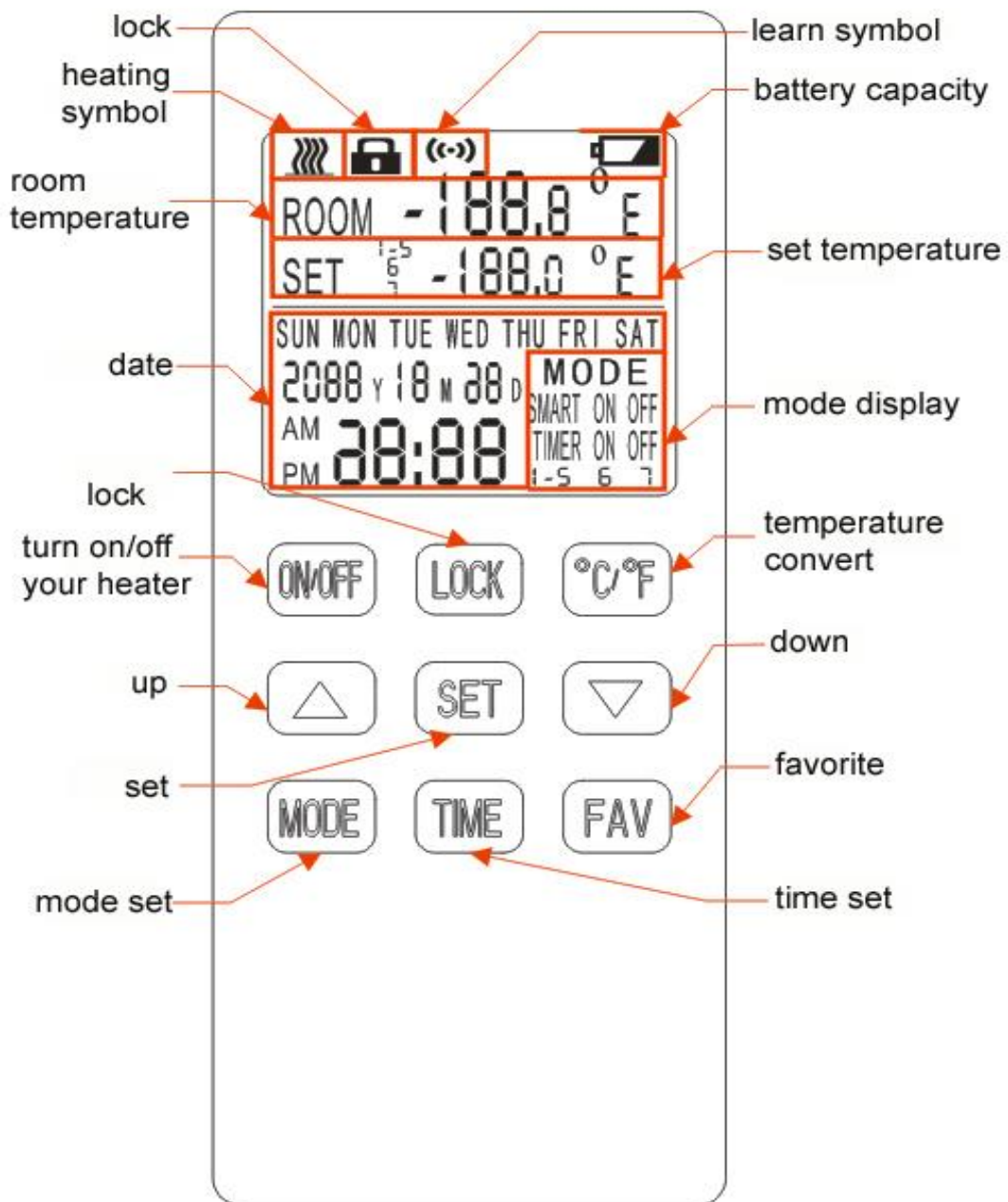
1. Ensure your heater has power to it by either plugging it into a socket, or having it wired in using an electrician. Please refer to our installation guide for more information on connecting your heater.
2. Press the on/off button on the remote control, then press the °C/°F and MODE button at the same time until you hear a long beeping sound. This will pair the remote control with the receiver inside your heater.
 - A) Pairing should be completed within 1 minute. If it takes longer you will need to unplug your heater/switch it off and start again.
 - B) If you wish to pair a different remote, you will need to unplug your heater and plug it back in again to reset the pairing.
 - C) When pairing, please ensure that all other heaters are turned off that you do not want to pair to.
 - D) To override the remote, switch the receiver on the heater on. This means it will just be controlled using the socket without the remote control. Ensure the receiver is switched off to be able to use the remote control.

Buttons/Display:

- To turn the heater off, press the on/off button. This will not turn your remote control off, and it will still be working to send signals to the receiver. This will simply override your pre-set settings.
- Hold down 'Lock' for 3 seconds to lock/unlock the remote control.
- Press °C/°F to switch between Fahrenheit and Celsius on the display.
- Press the Up and Down buttons to set your target temperature. This can be done during your

pre-set settings and will not affect your settings. Once the time period is over, it will revert back to your pre-set settings.

- Long press time for 3 seconds to set the current year, month, day and time using the up and down buttons.
- When  shows, it means your heater is on and will only show when in a time period that your heater is meant to be on and the room is 0.5°C or lower than your set temperature
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How to Program:

Hold down the **MODE** button for 3 seconds to set smart control and timer mode.

Timer Mode

- If the timer shows as 'On' it means the timer and temperature setting of 1-5 (Monday-Friday, 6 (Saturday) and 7 (Sunday) will be working. If it displays as 'off', it is not activated.
- **SET** is how you access the settings to programme the time and temperature for your week and will also allow you to set your favourite temperature. Please note that once you have set your times and temperatures, it will not work unless the timer is turned on.
- Hold down **SET** for three seconds to get into the programming.
- This will take you straight to the weekly settings. The first setting is Mon-Fri, to change the hour that you want your heater on, press up, to set the hours, press down to set the minutes. Minutes will change in 15-minute intervals.
- Press **SET** to complete this time period which will then take you onto the next period and to adjust the temperature. Use Up and Down to change the next setting. This method will work the same when you get to Saturday and Sunday.
- The day number "1-7" will display on the left side of the target temperature just under 'Timer on'.

Smart control:

- After this step is completed, the controller will take you into the SMART mode settings. Please note that the smart mode is a separate function to the timed settings you have just set.
- Both the smart and timer symbol will show as off when the remote control is used for the first time.
- When "Smart On" shows, it means that three hours prior to your heater coming on, the heater will take a reading of the current room temperature.
- As you have pre-set your target temperature, the heater will work out the temperature difference between the current air temperature and the target temperature. It will then work out how long in advance your heater will need to be turned on to achieve this target temperature on time. It does this by assuming every 1°C under temperature the room is, it will take 6 minutes to add that onto the current temperature.
- For example, if your room is currently 15°C and your target is 20°C, that is a temperature difference of 5°C. If every 1°C takes 6 minutes to add on to the temperature, then it will take 30 minutes for the temperature to reach 20°C.

Important Information:

Press FAV to change from your preset settings to your favourite temperature. Your settings will revert back to your pre-programmed settings once the time period is over.

The backlight will be on when you press any button when the controller is powered on.

One remote can be paired to multiple heaters at the same time.

All the settings will need to be re-set after a battery change.

The screen will flash when new batteries are required for your remote.

If none of the buttons work on your controller, please ensure that you check the batteries are working.

If your heater is not turning on using your remote, please check that the room temperature is in line with the target temperature as the heater will not turn on if the room is already at your target temperature or higher.

If you wish to turn on your weekly settings, then ensure the timer function is on by long pressing mode. If you prefer to manually control your heater, switch the timer mode off the same way.

The temperature sensor for the room is at the top of the remote. For accurate temperature readings, please ensure this is not covered.

Ensure the remote is not enclosed in a drawer for example and keep out in the open.

If you are not using your controller for a long period of time, we recommend taking the batteries out.