

Installation Guide

Sol*Aire Orva

Vertical Electric Radiator



Please read the manual carefully prior to use

Safety Instructions

Before you start

- Check that the heater and all supplied parts are complete and undamaged. Do not use the heater if the casing, cable or plug is damaged.
- This heater is for indoor domestic use only. Do not use it outdoors.
- Install the heater exactly as set out in the installation instructions, observing all stated clearances.

Power supply

- Connect only to an AC 230V, 50/60Hz socket.
- The heater must not be located immediately below a socket-outlet.
- Do not use an extension lead, and do not share the socket with other appliances.

Where to place it

- This heater is not intended for use in bathrooms, laundry areas or other damp locations. Never position it where it could fall into a bath, basin or other water.
- Do not use the heater in the immediate surroundings of a bath, shower or swimming pool.
- Keep the heater away from flammable or explosive materials.

In use

- **WARNING:** in order to avoid overheating, do not cover the heater.
- **CAUTION:** some parts of this product can become very hot and cause burns. Particular attention must be given where children and vulnerable people are present.
- Never insert objects into the grille

Children and vulnerable people

- Children of less than 3 years should be kept away unless continuously supervised.
- Children aged from 3 years and less than 8 years shall only switch the appliance on and off provided that it has been placed or installed in its intended operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate or clean the appliance, or perform user maintenance.
- This appliance can be used by children aged 8 years and above, and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be carried out by children without supervision.

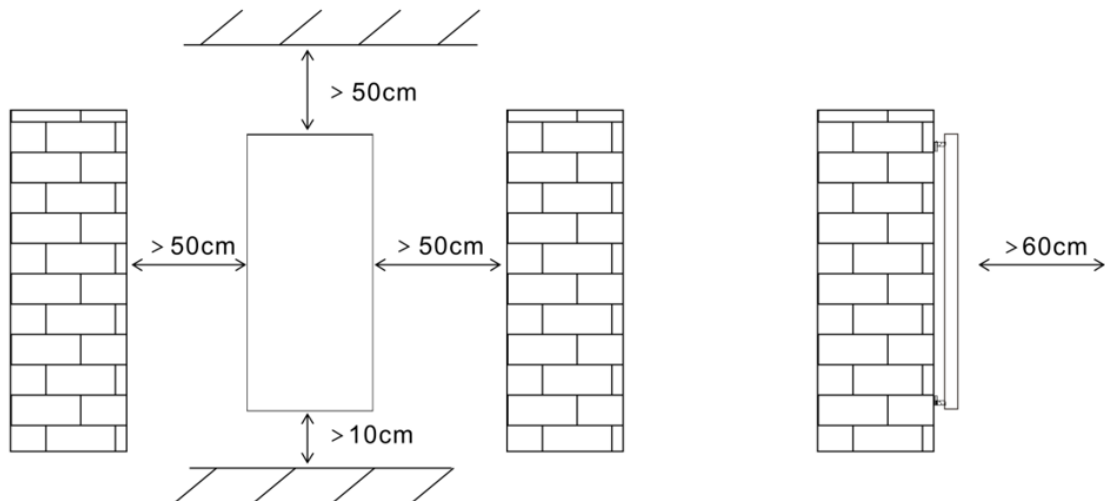
Cleaning, damage and repair

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.
- Do not dismantle or modify the heater. Refer all repairs to qualified service personnel.
- Unplug the heater if it is to be out of use for a long period.

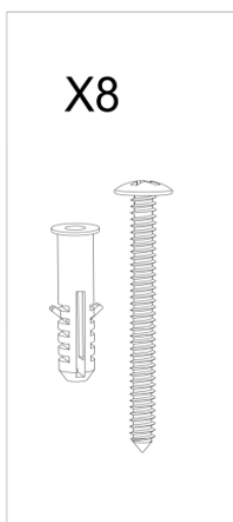
Wall mounted Installation

Before you start

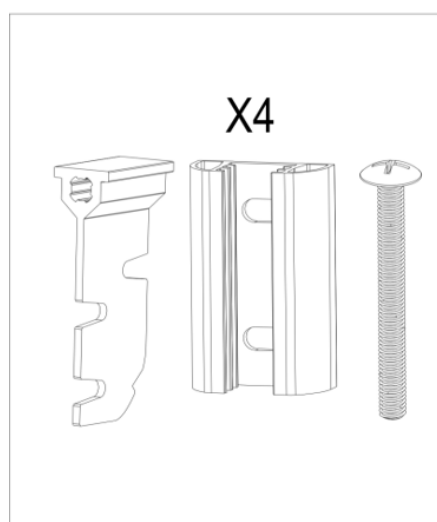
- Check that the heater and all supplied parts are complete and undamaged. Do not use the heater if the casing, cable or plug is damaged.
- Make sure distances to walls and objects are respected.



2 - Use the screws, dowels and brackets supplied by the manufacturer.



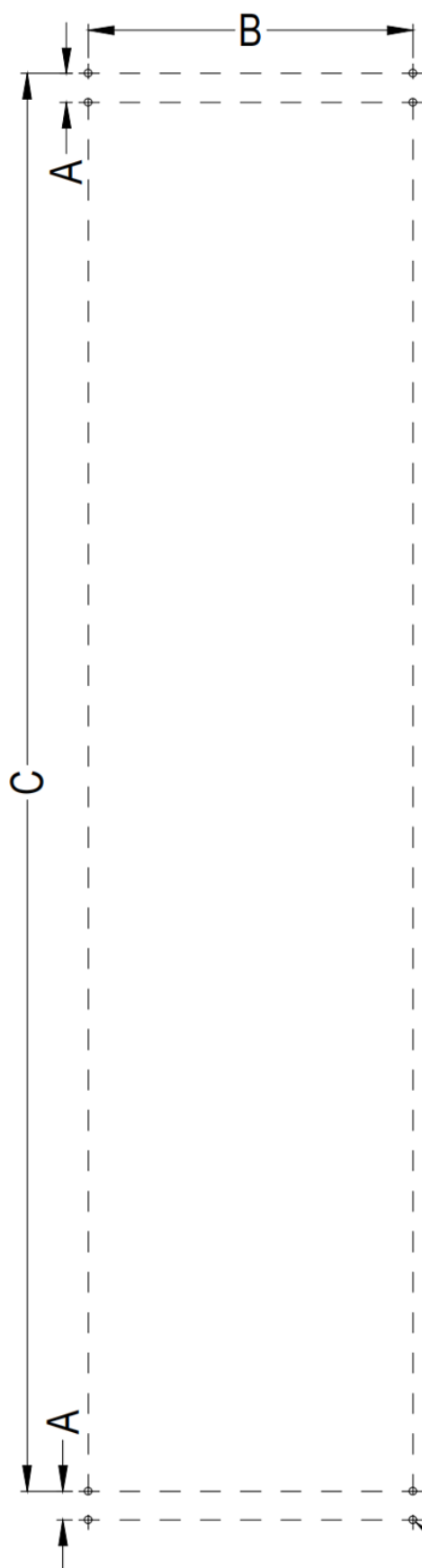
Wall mounting screws



Lock Parts

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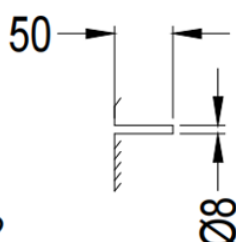
3 - For drilling dimensions, see the below details.



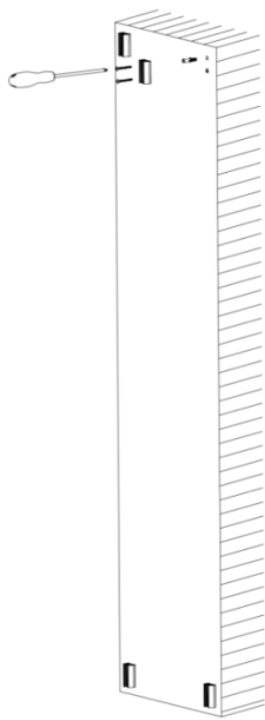
Distance	1KW	1.5KW	2KW
A	30 mm	30 mm	30 mm
B	120 mm	230 mm	340 mm
C	1480 mm	1480mm	1480 mm

4 Then according following steps complete the installation.

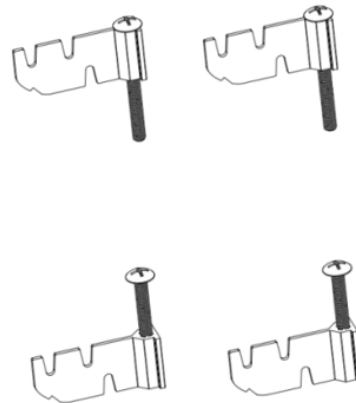
- A. Drill $\varnothing 8$ mm holes to a depth of 55mm according to the diagram and table for different power models.
- B. Fix the wall mount bracket to the wall.
- C. Use M6×50 screws to attach one pair of wall mount hooks with the screws tightened all the way in, and the other pair screwed in about 20mm.
- D. Hang the pair of hooks (with screws fully tightened) onto the upper wall mount bracket. Both the left and right sides must be hung simultaneously in either the outermost or the middle slide slots.
- E. Hang the product onto the two upper wall mount brackets.
- F. Slide the other pair of wall mount hooks into the slots in the direction of Arrow 1. The slot positions should be the same as those of the upper mount. Following the direction of Arrow 2, hook them into the lower wall-mount holes of the product. Note that each hook has an inner and an outer side. Make sure they correspond to the upper hooks.
- G. Finally, tighten the screws on the two lower hooks.



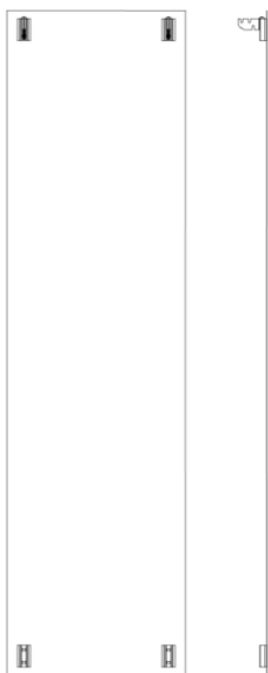
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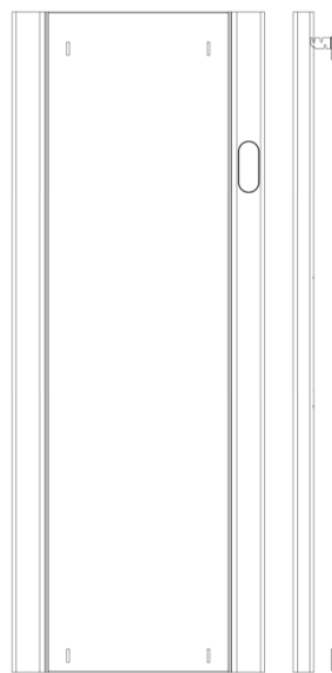
P1



P2

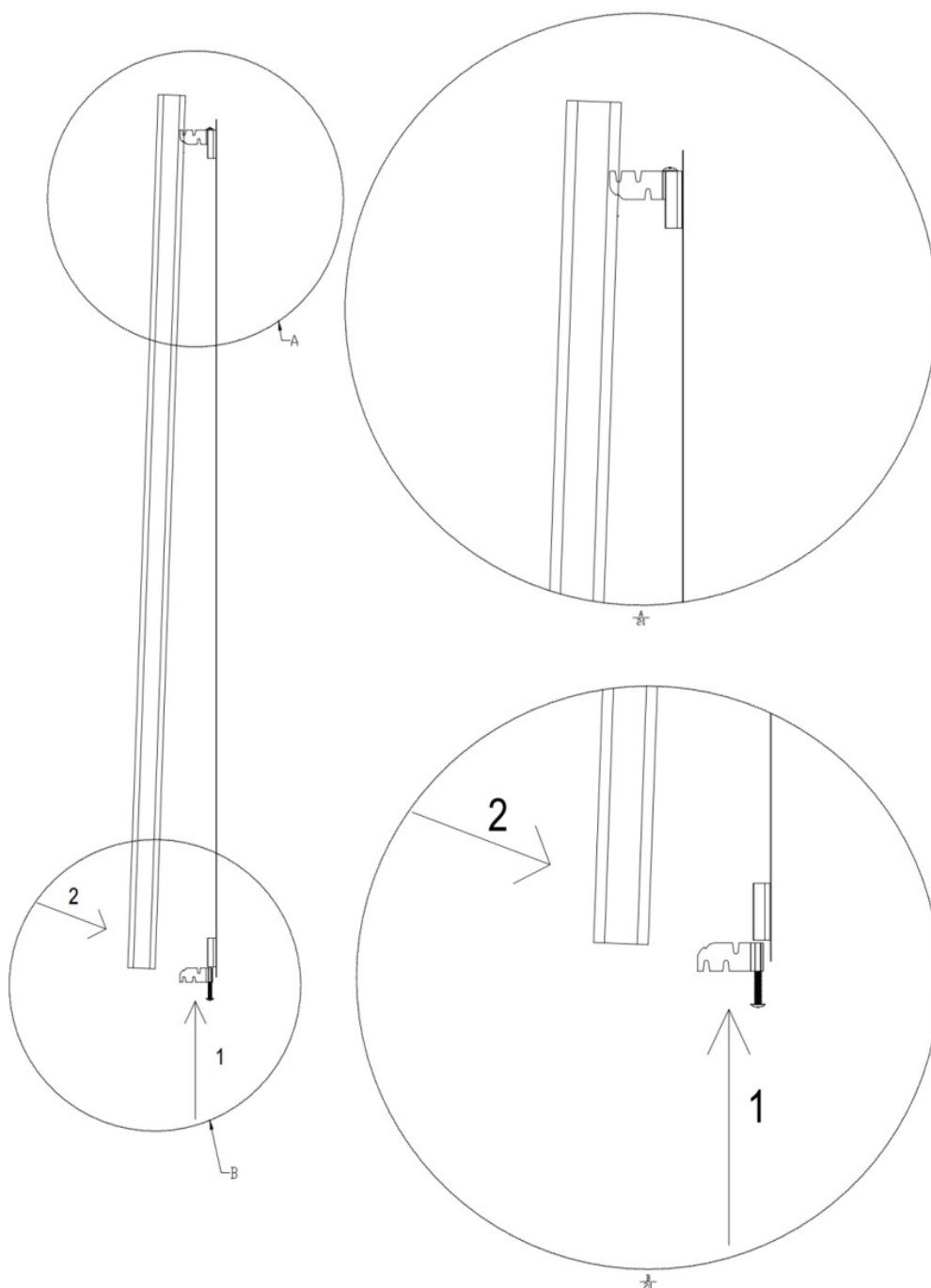


P3



P4

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P5

Notes

- Prior to drilling the wall, ensure there are no cables or pipes within the wall and ensure that the mounting screws are fixed firmly to guarantee that the heater is safely mounted to the wall.
- Before switching on the appliance make sure that the radiator is correctly fixed to the wall.



User Operation & Control Panel

The ORVA series control panel is equipped with a TFT LCD screen and 6 touch sensitive buttons to allow easy programming



	Up key: Adjusting value up		Mode key: Setting the mode		Down key: Adjusting value down
	Boost key: setting the boost time		OK key: Setting the confirm		Back/Menu key: move back or into the menu
	Comfort icon		ECO icon		Anti-frost icon
	WIFI icon		Heating icon		Open window function icon

Helpful Advice

Use the up / down keys to select and highlight information that you would like to change. Once selected press OK.

If the selection flashes it can be edited with the up / down key. Then press OK to confirm the selection.

Note

- Solid background = Shows what is being selected
- Flashing background = Selection can be edited

Manual Operation

Setting the Time and Day

When the heater is switched on for the first time the time and date will need to be entered.
Also it can be entered via:

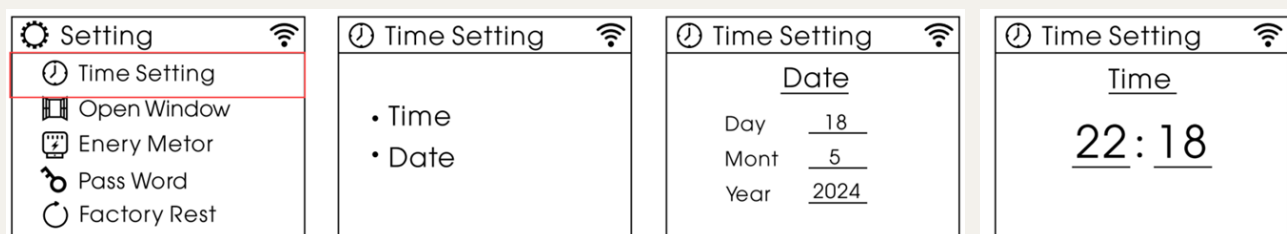
Menu > Setting > Time Setting > OK

Use the up / down keys to select and highlight the information that you would like to change. Once selected press OK. The selection will flash. Now press the up / down key to edit and select the correct info. Then press OK to confirm the selection. Pressing OK will move to change the selection.

Note

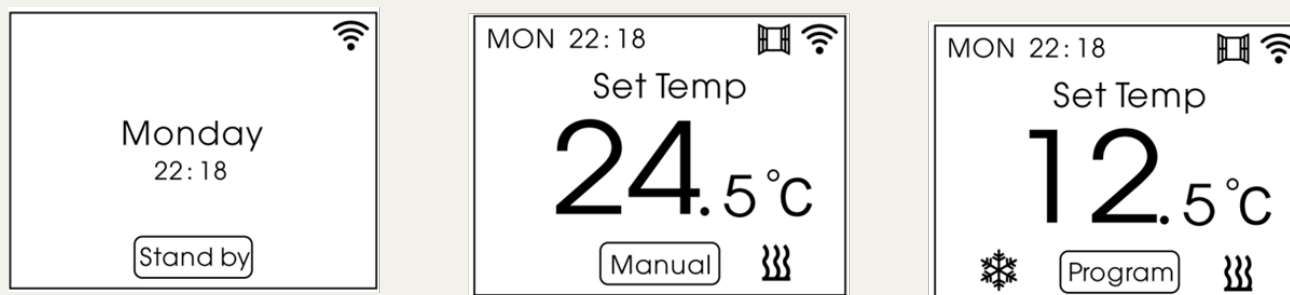
Solid background = Shows what is being selected

Flashing background = Selection can be edited



Switching the heater's mode

Press the "Mode" key to move between "Stand by", "Manual" and "Program mode".



Temperature Setting

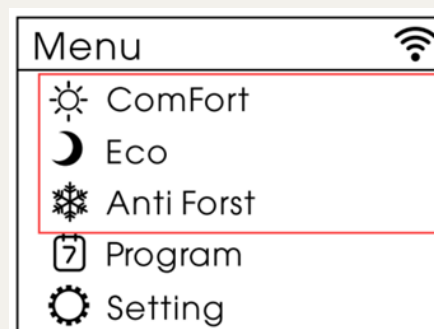
By default the display will show the thermostat's set temperature.

In manual mode the target temperature can be adjusted with the up and down keys. The temperature can be set between 7°-35°.

When using the weekly program / timer the heater will be set to whichever heating mode has been selected. (Comfort, Eco or Anti Frost).

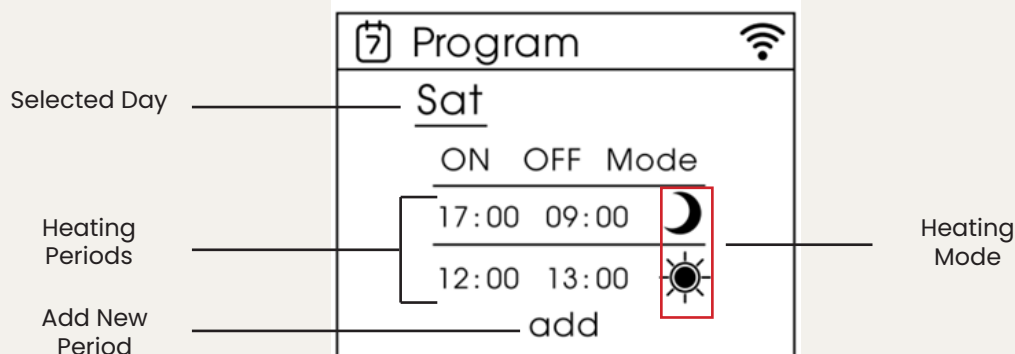
The temperature for Comfort and Eco mode can be adjusted in the heater's menu.

Press the back button to return to the menu.



Setting The Weekly Programme

The weekly programme can be selected via: **Menu> Programme > OK**



The selected day will be highlighted. Press OK and the day will flash. Now press the up / down arrow to change the day you'd like to programme. Press OK to confirm.

Add the "periods" for when you'd like room to be heated. When no heating periods are entered, the heater will switch to anti frost mode.

To add a heating period:

- Use the Up/Down key to selected "add". Now press okay.
- A heating period will appear and flash. Press OK to confirm.
- The "ON" time will flash. Use the Up/Down key to change this. Then press OK to confirm.
- Now the "OFF" time will flash. Use the Up/Down key to change. Then press OK to confirm.
- Then mode will flash. Use the Up/Down key select comfort or ECO mode. Then press OK to confirm
- The first Period has been set.
- To add additional periods, press add and repeat the previous steps.

After all the periods have been set, select the next day you'd like to programme.

The periods can be manually entered or copied from the previous day.

Hold the boost button to copy and paste the previous days data.

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Child Lock

Press the up and down key for 10s to lock or unlock. The lock icon will appear on the display screen when the lock is active.

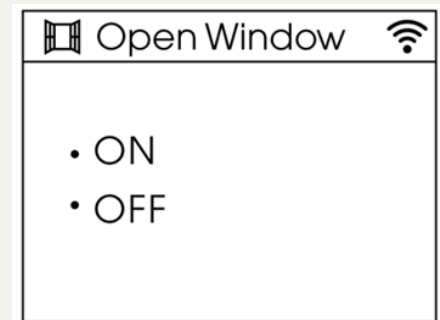
Window Function

The open window setting can be found via:

Menu > Setting > Open window > OK

When in "Open Window" you can choose to turn the setting ON or OFF. Using the up, down and OK buttons.

The open window function will switch the heater off if the ambient temperature drops 5 degrees in 20min. The open window icon will flash when the function is active. To reset the open window function press the OK key. The icon will stop flashing, the heater will revert back to the previous working state.

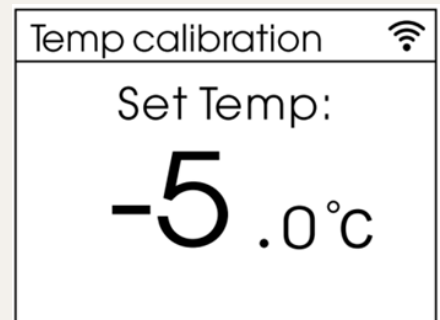


Temperature Calibration

Temperature calibration can be found via:

Menu > Setting > Temp Cal > OK

Here you can re calibrate the heater's thermostat reading by + or - 5 degrees.



Sound

The heater's beep can be turned on or off. This can be found via:

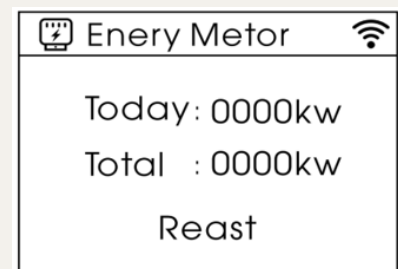
Menu > Setting > Sound > OK

Energy Meter

The heater's energy meter will record how much electricity is being used. This can be found via:

Menu > Setting > Energy Meter > OK

Press OK key to clear and reset the recording.



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Limit Mode Password

Limit mode offers restricted controls for controlled living spaces such as hotels. Please contact your distributor or the manufacture for more details.

Boost Function

The boost function allows a temporary increase to the heater's set temperature. After the boost the heater will revert to the previous temperature/function.

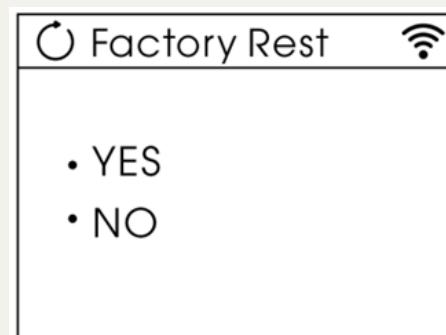
Press once for 1 hour of boost. Press again for 2 hours of boost.

Factory Reset

Factory reset can be found via:

Menu > Setting > Factory Reset > OK

Then select YES to reset the heater to factory settings.



WiFi Function

Press the OK Key for 10 seconds. The heater's WiFi symbol will flash quickly. Indicating the heater is discoverable from the APP. This is the default mode to pair the heater with the APP.

The back up pairing mode is indicated by a slow flashing WiFi symbol. Hold the OK button for a further 10 seconds to enter this mode.

The maximum time for network configuration is 120 seconds. After this the pairing mode will need to be reactivated. By holding the OK button for 10 seconds.

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Connecting to WiFi

Download and Install the App

Your heater is compatible with 2 Apps: "SolAire WiFi IQ" and "Smart life".

Once downloaded, you will need to create or sign into an existing account.



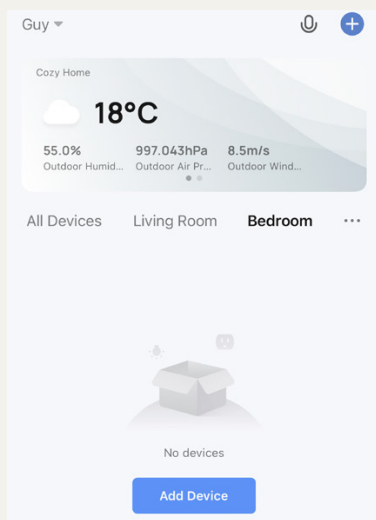
Enable WiFi connection mode

To connect with WiFi, WiFi connection must be enabled on the heater. This is indicated by the WiFi light flashing on the heater.

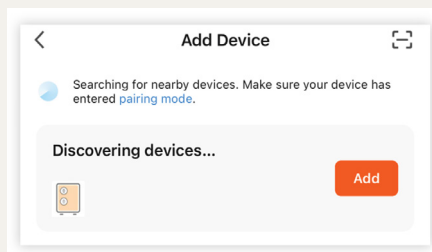
If the WiFi icon is not flashing: Turn the heater on and hold the OK button until the WiFi icon flashes.

Pair with the App

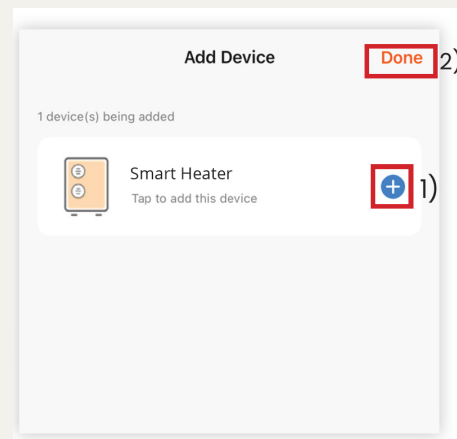
A. Once the WiFi Icon is flashing, go to the App and press Add a Device.



B) The App should automatically find the Heater. Once this appears press "Add"

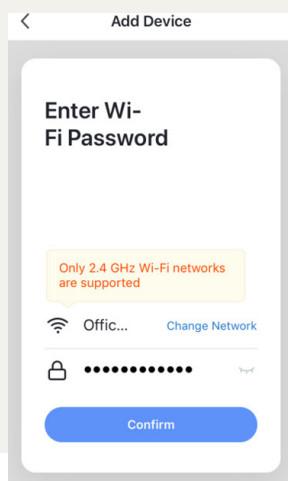


C) Now press the plus Icon. Then "Done"



D) Enter your WiFi details and press "Confirm". Then wait until the connection process is complete.

The APP must be allowed access to Location in order for the WiFi name to be populated automatically.

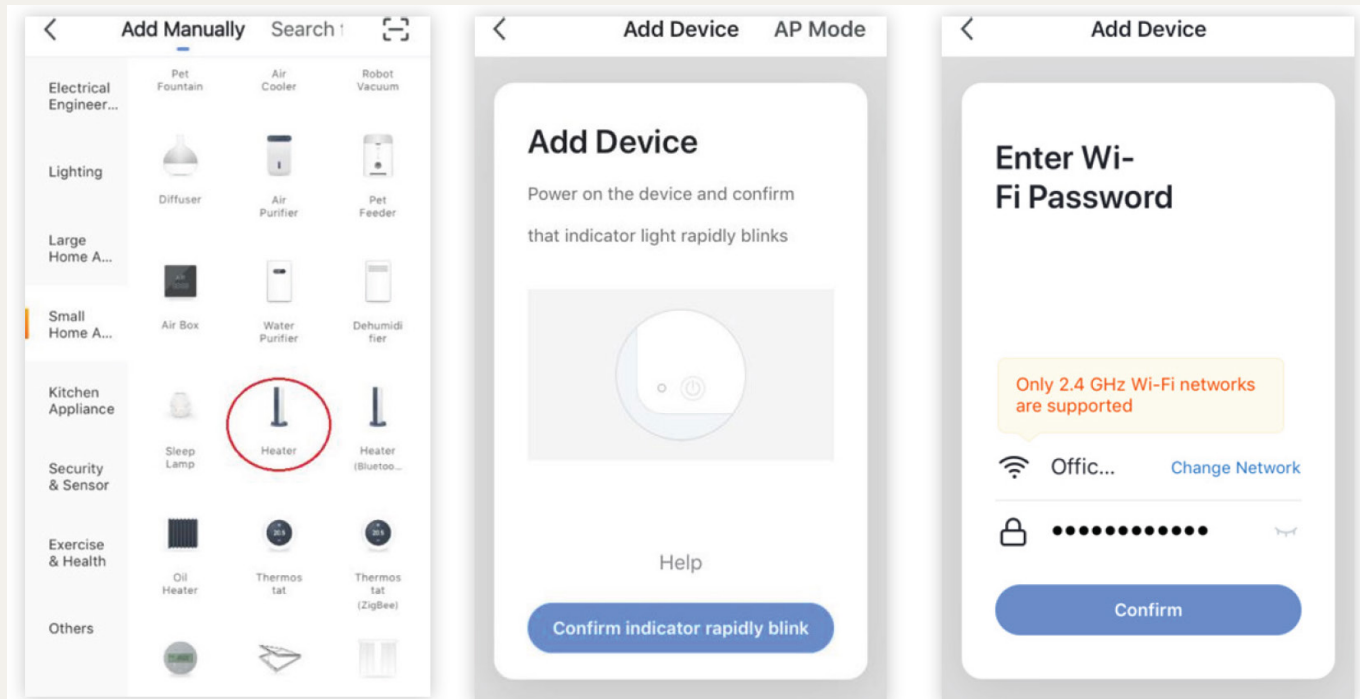


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If the heater does not appear, as shown section 4B, select the heater manually.

Press Add device, then Select the correct device type (heater). This can be found under “Small home appliances”, if not immediately visible.

Then confirm the indicator is flashing. You will then be prompted to enter your WiFi password.



The app will then display its connecting screen. Please wait and follow any instructions on the screen.

After a while the app will confirm the heater has been connected. You can now name the device, share it with family members, or proceed to schedule your heating.

NOTE:

If the heater fails to connect, press and hold the display button until the heater beeps (this may take up to 15 seconds). The light will begin to flash slowly.

This will switch to the heater to its secondary connection (AP) mode.

Then follow the steps on the App for the AP mode on the App.

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Using the App

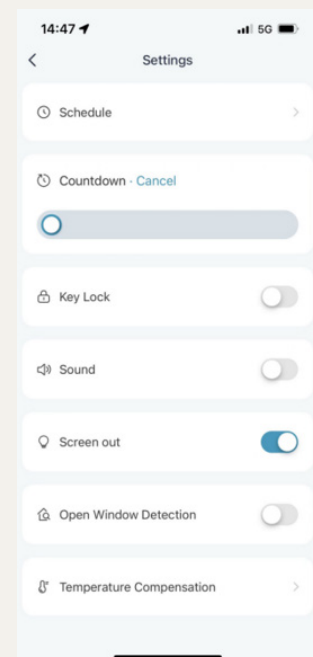
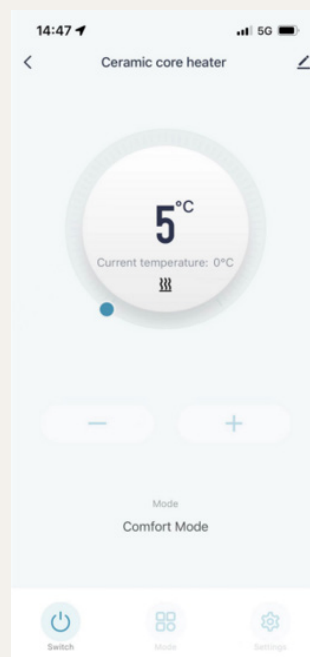
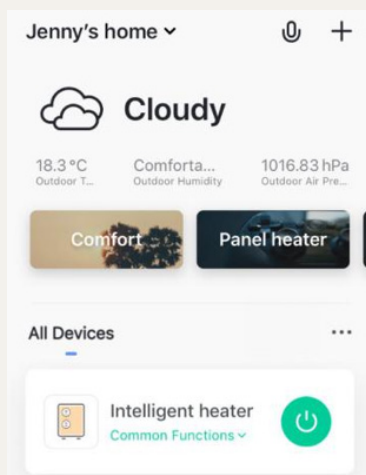
You can use the app to control multiple devices. The status of your devices is shown on the device list:

- 1 Offline (device is turned off at wall / rocker switch)
- 2 Turned Off (device is in standby mode)
- 3 Turned On (device is in heating mode)

When the heater is online, tap the device name to go to the control interface.
Note: when the heater is offline, you will not be able to control it with the App.

Controlling the Heater

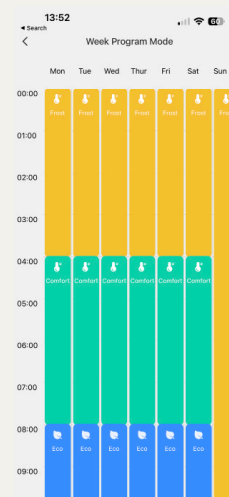
When the heater is online, tap the device name to go to the control interface.



Scheduling your Heating

- 1 You can create a heating schedule to program the heater through the day.
- 2 Select the Device. Select "Settings" and then "Schedule"
- 3 The APP displays the schedule as a graph. Tap the times you'd like to insert a heating interval into.
- 4 The App will then let you pick from 3 heating modes: Comfort, Eco and Anti Frost. The temperature of these heating modes can be set to any temperature the you desire.

When the heater is online, tap the device name to go to the control interface.
Note: when the heater is offline, you will not be able to control it with the App.



Technical Data

Voltage	Frequency	Power	Category
230V	50/60Hz	1000W	I
230V	50/60Hz	1500W	I
230V	50/60Hz	2000W	I

Model identifier(s) VH-10AA/VH-15AA/VH-20AA					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat input/room temperature control (select one)	
Nominal heat output	P _{nm}	Full power	kW	single stage heat output and no room temperature control	No
Minimum heat output (indicative)	P _{min}	Full power	kW	Two or more manual stages, no room temperature control	No
Maximum continuous heat output	P _{max,c}	Full power	kW	with mechanic thermostat room temperature control	No
Power consumption				with electronic room temperature control	No
In off mode	P _o	0.00	W	electronic room temperature control plus day timer	No
In standby mode	P _{sm}	0.15	W	electronic room temperature control plus week timer	Yes
In idle mode	P _{idle}	0.15	W	Two or more manual stages, no room temperature control	No
In network standby	P _{nsm}	0.00	W	Other control options (multiple selections possible)	
Standby mode with display of information or status		No		room temperature control, with presence detection	No
Seasonal space heating energy efficiency in active mode	$\eta_{S,on}$	95.0	%	room temperature control, with open window detection	Yes
				distance control option	Yes
				adaptive start control	No
				working time limitation	Yes
				with black bulb sensor	No
				self-learning functionality	No
				control accuracy	No
Contact details	Sol*Aire Heating Products LTD. Now Row. DI11 7AW. United Kingdom				

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Cleaning and care

Maintenance

Always disconnect the appliance and let it completely cool before any maintenance. Use a vacuum cleaner to remove dust on grilles. Clean the outside of the unit with a damp cloth and then dry it with a dry cloth. Never immerse the unit in water, nor let water drip into the unit.

Storing

Always disconnect the appliance, let it completely cool and clean it before storing. If the heater is not going to be used for a long period, place the unit and the instruction manual into the original box and store in a dry and ventilated place. Do not place any heavy items on top of carton during storing as this may cause damage.

Warranty Information

The manufacturer provides warranty in accordance with the legislation of the customer's own country of residence, with a minimum of 1 year, starting from the date on which the appliance is sold to the end user.

The product has a 5 year Guarantee when sold in the UK

The warranty only covers defects in material or workmanship to the product.

The repairs under warranty may only be carried out by an authorized source. When making a claim under the warranty, the original bill of purchase (with purchase date) must be submitted.

The warranty will not apply in cases of:

- Normal wear and tear
- Not following the safety instructions
- Incorrect use, e.g. overloading of the appliance, use of non-approved accessories
- Use of force, damage caused by external influences
- Damage caused by non-observance of the user manual, e.g. connection to an unsuitable mains supply or non-compliance with the installation instructions
- Partially or completely dismantled appliances



According to the European waste regulation 2012/19/EU this symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it should be taken to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council or your household waste disposal service.

