

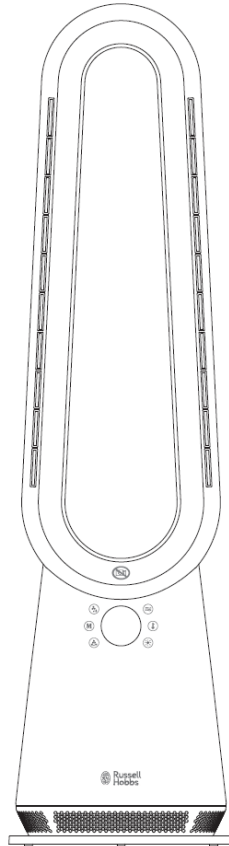


**Russell Hobbs**

# **Bladeless Fan & Heater**

**Operating Manual**

**RHBHC2030W (B)**



This product is only suitable for well insulated spaces or occasional use

**REGISTER TODAY FOR  
YOUR FREE  
ADDITIONAL YEAR  
GUARANTEE**

# GUARANTEE

At Russell Hobbs, we take all our customer feedback seriously.

Feel free to contact our Customer Services Team who will be more than happy to assist you.

This product is guaranteed for 12 months from the date of the original purchase. If any defect arises due to faulty materials or workmanship, the faulty product must be returned to the place of purchase.

Refund or replacement is at the discretion of the retailer.

The following conditions apply:

- The product must be returned to the retailer with the original proof of purchase.
- The product must be installed and used in accordance with the instructions contained in this instruction guide and any other instructions for use which are supplied.
- It must be used for domestic purposes only and for its intended use.
- This guarantee does not cover wear and tear, damage, misuse or consumable parts.
- This does not affect your statutory rights.

Region	Contact	Website
UK & Northern Ireland	0345 209 7461	mda.russellhobbs.com
Ireland	1 800 938982	ie.mda.russellhobbs.com
Rest of Europe	europe@productcaregroup.com	de.mda.russellhobbs.com fr.mda.russellhobbs.com es.mda.russellhobbs.com it.mda.russellhobbs.com nl.mda.russellhobbs.com

Note your serial number below for future reference



Image for illustration purposes only



## IMPORTANT SAFETY INSTRUCTIONS

- It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to electrical parts.
- Do not use with a damaged cord or plug. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- This product is intended for household use only.
- Do not use outdoors.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be made by children without supervision.
- Do not operate this appliance for anything other than its intended use.
- Do not immerse the whole unit in water or other liquids for cleaning.
- Unplug from the outlet when not in use. Do not leave unattended while plugged in.
- Do not use if it has been dropped, damaged, left outdoors or submerged in water.

## IMPORTANT SAFETY INSTRUCTIONS

- Keep the appliance away from water and do not allow it to get wet. If the unit is wet, do not plug unit into the wall socket or turn the unit on.
- Do not handle the appliance with wet hands.
- Do not pull or carry by the cord, use the cord as a handle, close doors on the cord, pull the cord around sharp corners or edges, or expose the cord to heated surfaces. Do not unplug by pulling on the cord.
- To protect against electrical shock, do not immerse the cord, plug, or appliance in water or other liquid.
- Unplug from the mains outlet when not in use, before putting on and taking off parts, and before cleaning.
- Only use the unit when fully assembled.
- Never place your fingers or other objects into any part of the appliance. Be aware that loose clothing or hair may become trapped in the appliance if improperly used.
- Before use, ensure that all the air vents of the appliance are clear and that there is no restriction of air flow.
- Caution: Appliance may disturb ashes in an open fire. Always avoid directing the appliance toward naked flames.
- Do not remove the rotor guard once assembled.
- The appliance must not be left unattended while it is connected to the mains supply.
- Do not touch hot surfaces. Use the handle or the controls.

## IMPORTANT SAFETY INSTRUCTIONS

- Do not let the cord hang over the edge of a worktop, table etc. or touch hot surfaces.
- The use of accessory attachments not recommended by the appliance manufacturer may cause fire, electric shock or injury.
- Never remove parts from the appliance, such as the feet and screws etc.
- Never use the appliance near a bath, shower or a swimming pool.
- Never place flammable objects or clothing on top of the appliance.
- Allow a 100cm safe area around the appliance on the top and sides and a 150cm safe area at the front.
- Never use the appliance in a room with explosive gases such as petrol, or while using any kinds of flammable glues, sprays or solvents.
- Prevent overheating of the appliance by keeping the air inlets and outlets clean and free of anything that may cause blockages. Check all inlets and outlets regularly for accumulated dust.
- **DO NOT COVER.**
- Do not place any part of your body near the air inlet, outlet, or on the fins to avoid personal injury, electric shock or fire.
- If overheating should occur, the built-in overheating safety device will shut the appliance off.

## IMPORTANT SAFETY INSTRUCTIONS

- Caution: Some parts of this product can become very hot and cause burns. Particular attention must be given when children or vulnerable people are present.
- Do not insert any foreign objects into the grill.
- Keep all grills clear of any draped fabric or curtains.
- The appliance must not be located immediately below a mains socket. Do not use the appliance with a programmer, timer or any other device that switches the appliance on automatically. A fire risk exists if the appliance is covered or positioned incorrectly.
- Use this heater on a horizontal and stable surface, or fix it to the wall, as applicable.
- **WARNING:** Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.
- **WARNING:** To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 m from the air outlet.

### Electrical Safety

- Before switching on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 220–240V~, 50-60Hz. Connection to any other power source may damage the unit.

## IMPORTANT SAFETY INSTRUCTIONS

- This product may be fitted with a non re-wireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.
- If the plug has to be changed because it is not suitable for your socket or becomes damaged in any way, it should be cut off and an appropriate plug fitted. This should be carried out by a qualified electrician. The plug removed must be disposed of safely, as insertion into a socket is likely to cause an electrical hazard.



This symbol means “DO NOT COVER”

## Battery Warnings

**This appliance comes with a CR2025 battery which is fitted into the remote.**

**Please remove the insulation sheet before use.**

Incorrect use of batteries may result in fire, explosion, leakage of dangerous substances, or other hazards.

- Do not throw batteries into the fire and do not expose them to high temperatures.

- Do not open, deform or short-circuit the batteries.

Otherwise, the contained chemicals can leak out of them.

- Do not try to recharge batteries. Recharging is only allowed for batteries which are marked as “rechargeable”. There is a danger of explosion.

- Always remove rechargeable batteries from the device to charge them.

- Regularly check the batteries. Leaking chemicals can cause heavy damage to the device. Dealing with damaged or leaking batteries, exercise a particular caution.

- Risk of chemical burns! Wear protective gloves.

- Chemicals escaping from a battery can cause skin irritation.

- In case of contact with skin, rinse with much water. In case of contact with eyes, do not rub your eye, but rinse it with water and immediately visit a doctor.

- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

- Different types of batteries or accumulators as well as new and old batteries, must not be used together.

- When inserting the battery, pay special attention to the correct polarity. Wrong polarity can cause risk of bursting.

- Remove the batteries from the unit if you are not going to use it for a long time or if you want to store it.

- Insert the batteries according to the polarity.

## Battery Warnings

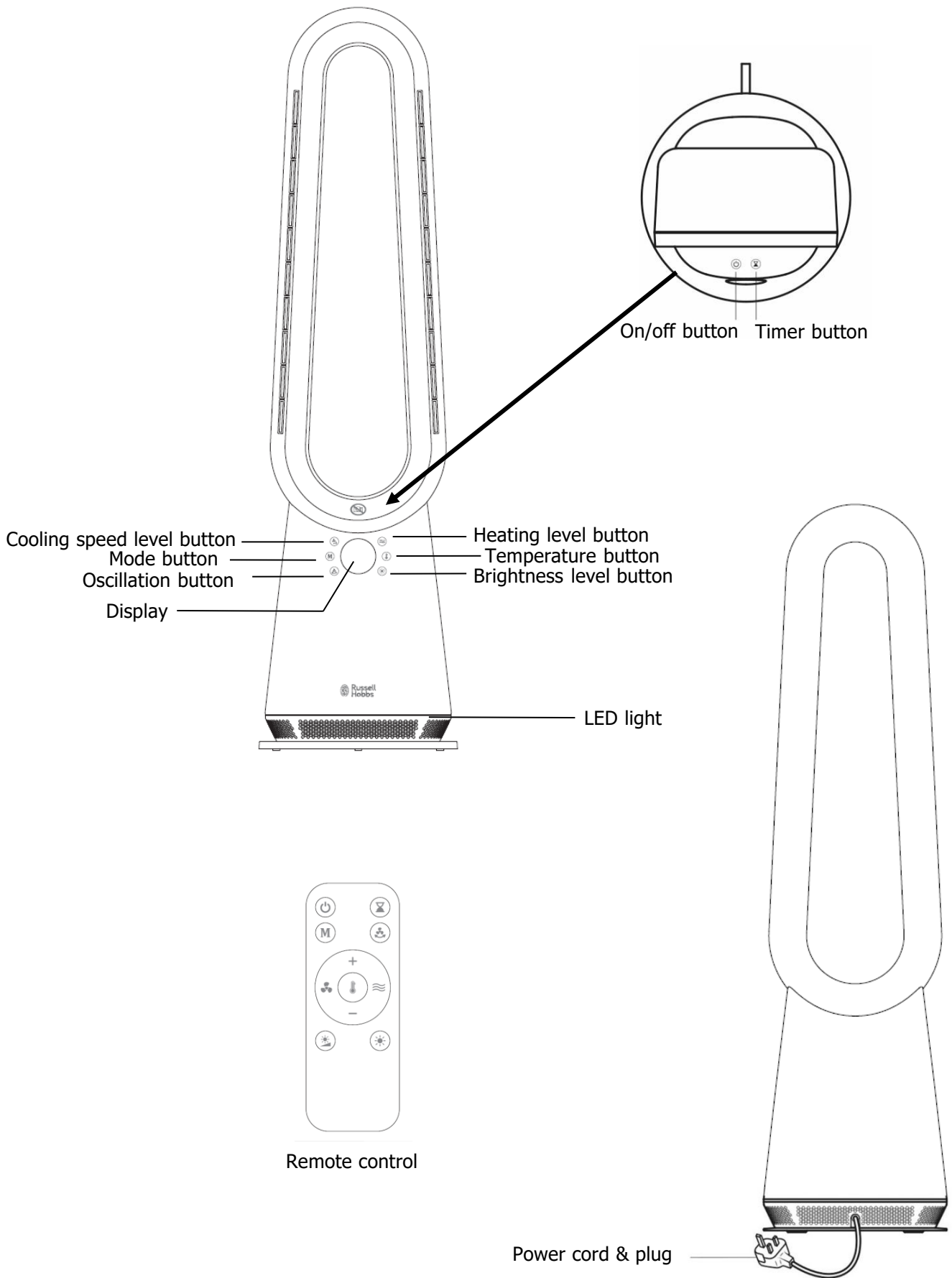
- Do not allow children to replace batteries without supervision by an adult.
- Always choose the right size and the right battery type for the intended use.
- Clean the battery contacts and also equipment contacts before installing the batteries.
- Remove used-up batteries immediately.
- Do not dismantle the batteries.
- If the battery compartment does not close securely, do not use the remote control anymore and keep it away from children.
- Please avoid extreme conditions and temperatures which can adversely affect the batteries/rechargeable batteries, e.g. placing them on radiators/direct solar radiation.
- The connection terminals must not be short-circuited.



**CAUTION: Batteries are a chemical burn and choking hazard. Keep batteries away from children.**



# PARTS

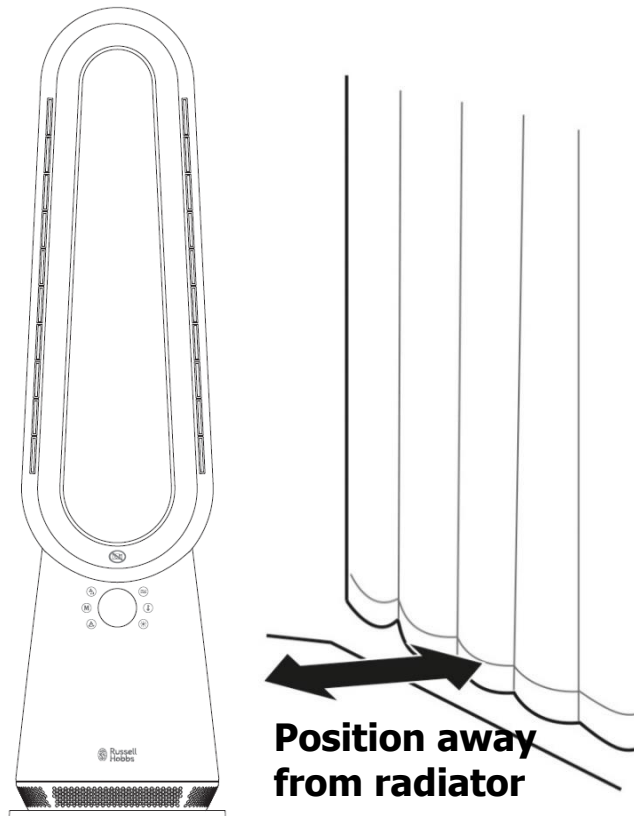


# PRODUCT SETUP

Remove all packaging material and all transport bracing from the device.

For a safe and trouble-free running of the device, choose the installation location which meets the following requirements:

- The floor should be firm, flat and horizontal.
- Keep the following minimum clearances from the device housing:
  - 30 cm from its lateral side
  - 30 cm above
  - 30 cm from its rear side
  - 1 m from its front side.
- Do not place the device in a hot, wet or very humid environment, or near combustible material.
- The socket should be easily accessible so the mains connection cable can be easily disconnected, if necessary.
- Temperature range: from 0 to + 40 °C .
- Humidity (no condensation): 5 - 75%.



Note: The heater switches off automatically if it has been in continuous operation for 12 hours.

## CONTROL AND DISPLAY



**Power** Press to turn the machine on and off.



**Fan Speed** Press to circulate between the fan speeds of 1 to 9.



**Timer**

When the power is on you can schedule to turn off the fan. To set the timer, press the timer button and the display will show 1h. Press it again and it will show 2h. Continue to press the timer button until the required time is displayed. The time range is 1 to 8 hours. 0h indicates that no timer is set. A small dot will flash at the bottom right of the display indicating that the timer is set.

When the appliance is in standby mode you can schedule to turn on the Heating function.

To set the timer, press the timer button and the display will show 1h, this indicates that the unit is set to turn on in 1hr. Press it again and it will show 2h. Continue to press the timer button until the required time is displayed. The time range is 1 to 8 hours. 0h indicates that no timer is set. A small dot will flash at the bottom right of the display indicating that the timer is set.



**Mode**

Press to change operating mode, you can choose from Strong air speed mode, Sleep mode, Natural air speed mode and ECO mode.



**Strong**

Strong air mode, the fan switches to the highest level.



**Sleep**

Sleep mode, reduces the current selected speed by 1 level every 15 minutes. It will then settle at the minimum speed: 1.

## CONTROL AND DISPLAY



### **Natural**

Natural air speed mode, switches between speed settings 3 - 5 – 7 continuously.



### **ECO**

ECO mode (Only active in heating mode)

- If the room temperature is below 18 °C, the appliance operates at high speed
- if the room temperature is between 18-22 °C, the appliance operates at low speed
- if the room temperature is above 22 °C, the appliance operates at the lowest fan speed

Note: ECO mode can only be selected in heating mode. If you change the speed during an active operating mode, the operating mode is deactivated and must be reactivated.



### **Oscillation**

Press to start and stop oscillation.

## CONTROL AND DISPLAY



### **Temperature level**

Press to set the desired temperature, 25°C is the preset temperature. The temperature range is between 5°C - 35°C.

Note: The heating is only activated if the set temperature is above the current room temperature. As soon as the room temperature falls below the set temperature, the appliance switches on automatically until the set temperature is reached again. In this way, the room temperature remains constant, and power consumption is kept as low as possible.

Note: The default setting for the heating is 25°C. If the room temperature falls below 0°C, the LED display only shows - - as 0°C cannot be displayed.

Note: The appliance switches off automatically if it has been in continuous operation for 12 hours.

Note: The heater initially emits heat from the lefthand air outlet and after about 20 seconds, emits heat from the right-hand side. This is a normal process. After the appliance has been switched off from heating mode, it automatically switches to blower mode and emits air for approximately 30 seconds to allow the heating element to cool down. The 30 second countdown timer is displayed on the display.



### **Heat function & heat speed level**

Press to switch to heating mode. Press repeatedly to increase the desired heating level (the desired temperature will not change).



### **Brightness level**

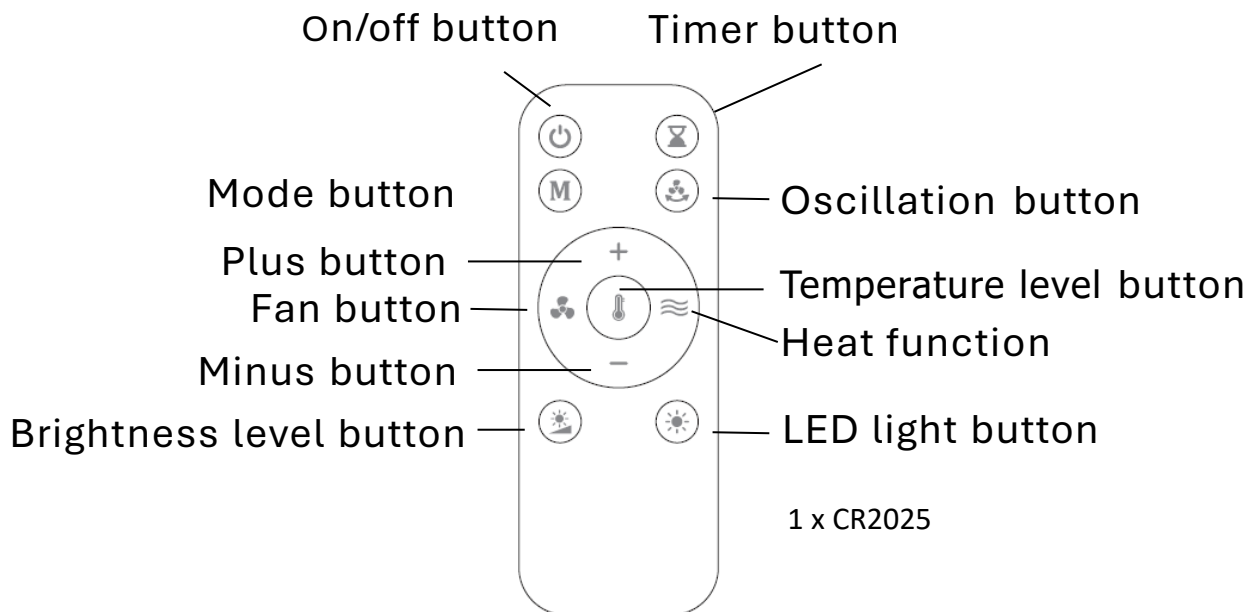
Press to turn on the atmospheric light. Press repeatedly to obtain the desired colour: White, Blue, Green, Red, Purple and Gradient colour. To stop the atmospheric light function, press the button again after Gradient colour.

Press and hold the button for about 3 seconds to adjust the brightness level. Up to 4 brightness levels can be set for each colour.

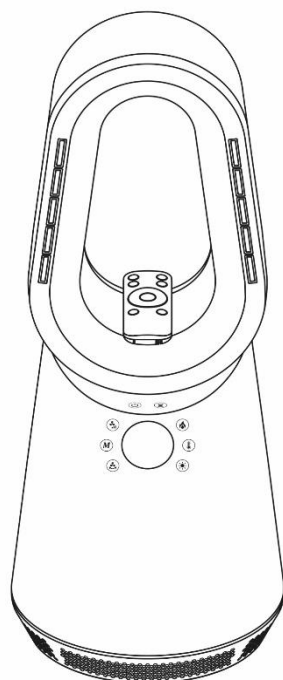
# REMOTE CONTROL

## NOTE:

- The remote should be used within 4m of the front face of the fan.
- Remove the insulation sheet before use.



To change the speed / temperature / heating level, press fan / temperature level / heat function button respectively, then press '+' or '-' button to adjust.

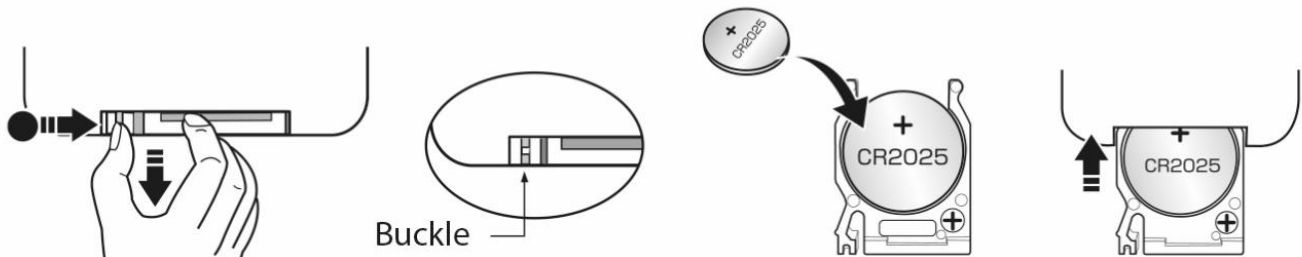


When the remote control is not in use, put it on the remote-control shelf. There is a magnet inside to hold the remote control.

## REMOTE CONTROL

To replace the battery, follow the below instructions:

1. Hold down the buckle to open the slot
2. Load the batteries while paying attention to the direction of the battery
3. Insert the slot back into the remote control



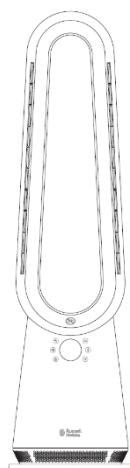
### NOTE:

Do not charge this battery, if it is not used for a long time, please take out the battery. Keep out of reach of children. If swallowed, seek medical attention.

Possible remote-control interference:

- This fan may respond to the remote control of other devices.
- If you use the remote control of this fan, other devices may respond.

This is due to the overlapping frequencies of the remote control. There is no quality problem in the product itself. To avoid misuse, keep the remote control away from other electrical devices during operation



The remote control should be directed towards the display to maximize the remote-control signal



# CLEANING AND MAINTENANCE

**The fan requires little maintenance. Do not try to fix it by yourself. Refer to a qualified service personnel if a service is needed.**

- Ensure the unit is unplugged before assembly, and before cleaning.
- During maintenance, please do not soak or splash water on the fan, it may cause the machine to get wet and damage it.
- Do not use gasoline, alcohol, bleach or metal objects to wipe the fan surface, as it may cause the fan surface to discolour and deteriorate.
- To ensure adequate air circulation to the motor, keep vents at the rear free of dust. Do not disassemble the fan to remove dust.
- Do not use any abrasive detergent or solvents to avoid scratching the surface.
- Do not allow water or any other liquid into the motor housing or interior parts.

## **Object surface**

- Gently wipe the fan surface with a dry soft cloth.
- If the surface of the fan is dirty, it can be diluted with neutral detergent and then wiped with a soft cloth.
- On the fan surface, wipe it clean and then wipe it with a dry soft cloth.

## **Air Inlet & Outlet**

- Please use a soft brush or a vacuum cleaner to clean the dust at the air inlet and outlet.
- Too much dust may affect the use of the fan. Please clean it in time when there is less dust.

## **Storage**

- Please avoid places with vibration and electrical appliances with cooling/heating function.
- Please avoid placing it in direct sunlight, high temperature and humidity.
- Please keep it out of the reach of children.

## PROBLEM SOLVING

<p>The appliance doesn't switch on</p>	<ul style="list-style-type: none"><li>• Check the appliance is plugged in.</li><li>• Check the socket is switched on.</li><li>• Check another appliance in the socket.</li><li>• Unplug and check for any obvious signs of damage to the cord or plug.</li><li>• If recently used, allow to cool for 1 hour, then try again.</li><li>• Check and remove any object on or adjacent to the appliance.</li><li>• Ensure your heater is placed on a flat and even surface.</li><li>• Ensure that your circuit breaker or fuse is working properly</li><li>• Make sure thermostat is set to a higher temperature than the ambient temperature</li></ul>
<p>The appliance is rattling</p>	<ul style="list-style-type: none"><li>• Check there is nothing in contact with the appliance.</li><li>• Check the appliance is on a level surface.</li></ul>
<p>The remote will not work</p>	<ul style="list-style-type: none"><li>• The batteries may need replacing.</li><li>• The remote is being used more than 5m away from the product.</li></ul>
<p>Appliance is making a grinding sound</p>	<ul style="list-style-type: none"><li>• Immediately switch off and contact Customer Services.</li></ul>
<p>The air is dusty</p>	<ul style="list-style-type: none"><li>• Ensure the appliance is unplugged and set to OFF.</li><li>• Using a vacuum and crevice brush, gently vacuum the front grille.</li></ul>

# PROBLEM SOLVING

## ERROR CODE

CODE	PROBLEM	POSSIBLE REASON
E1	Low Voltage Protection	<ul style="list-style-type: none"><li>• Induced by voltage too low</li><li>• 220V fan connected to 110V voltage</li></ul>
E2	High Voltage Protection	<ul style="list-style-type: none"><li>• Induced by voltage too high</li></ul>
E3	Blocked Rotor	<ul style="list-style-type: none"><li>• Poor connection between rotor terminal block and electronic board</li><li>• Circuit driver, power component (MOSFET) or other components damaged by outer forces, Electronic board parameter error</li></ul>
E4	Hardware Overcurrent	<ul style="list-style-type: none"><li>• Short circuit of fan rotor or inner rotor</li><li>• Driver error or power component (MOSFET) error</li></ul>
E5	Software Overcurrent	<ul style="list-style-type: none"><li>• Current sampling circuit error</li></ul>
E6	Motor Malfunction	<ul style="list-style-type: none"><li>• Rotor disconnection</li><li>• Poor connection between rotor and terminal block</li><li>• Driving error of driver</li></ul>

# PROBLEM SOLVING

## ERROR CODE

CODE	PROBLEM	POSSIBLE REASON
E7	Communication Error	<ul style="list-style-type: none"><li>Poor communication between display board and mother board, poor cable connection, PCB malfunction</li></ul>
E8	Machine Tilting	<ul style="list-style-type: none"><li>Machine placed at an angle of <math>\geq 30</math> degrees against the surface</li></ul>
E9	Temp.sensor malfunction	<ul style="list-style-type: none"><li>Temperature-sensor probe poor connection</li></ul>



### WARNING!

If error remains, please contact Customer Service & Repair Centre. DO NOT disassemble product unless by a qualified technician.

# IMPORTANT!

## KEEP GRILLE CLEAN

Vacuum the grille at least once every 3 months.

The fan may require more frequent vacuuming if in a dusty environment.

Ensure that the fan is unplugged before cleaning.

# 3

Model number	RHBHC2030 (W) (B)				
Item	Symbol	Value	Unit	Item	Unit
<b>Heat output</b>			<b>Type of heat output/room temperature control</b>		
Nominal heat output	P <sub>nom</sub>	2.000	kW	single stage heat output and no room temperature control	No
Minimum heat output (indicative)	P <sub>min</sub>	N/A	kW	Two or more manual stages, no room temperature control	No
Maximum continuous heat output	P <sub>max,c</sub>	2.000	kW	with mechanic thermostat room temperature control	No
				with electronic room temperature control	Yes
<b>Power consumption</b>			electronic room temperature control plus day timer		
In off mode	P <sub>o</sub>	N/A	W	electronic room temperature control plus week timer	No
In standby mode	P <sub>sm</sub>	0.40	W	<b>Other control options (multiple selections possible)</b>	
In idle mode	P <sub>idle</sub>	0.40	W	room temperature control, with presence detection	No
In network standby	P <sub>nsm</sub>	N/A	W	room temperature control, with open window detection	No
Standby mode with display information or status			Yes	distance control option	No
Seasonal space heater energy efficiency in active mode	$\eta_{s,on}$	91.5	%	adaptive start control	No
				working time limitation	Yes
				black bulb sensor	No
				Self learning functionality	No
				Control accuracy	No
Contact details					
Product Care Trading Ltd, Unit 1 Green Bank Business Park, Swan Lane, Hindley Green, Wigan, WN2 4AY, United Kingdom					
Product Care (Ireland) Ltd, Unit 3D North Point House, North Point Business Park, New Mallow Road, Cork, T23 AT2P, Ireland					

# CONNECTION TO THE MAINS SUPPLY

## WARNING

This appliance is designed to operate from a mains supply of AC220V - 240V; 50-60Hz.

Check that the voltage marked on the product corresponds with your supply voltage.

For UK use only – Plug fitting details (where applicable):

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The BLUE wire is the NEUTRAL and must be connected to the terminal marked with the letter N or coloured BLACK.

The BROWN wire is the LIVE wire and must be connected to the terminal marked with the letter L or coloured RED.

Always ensure that the plug cord grip is fastened correctly.

**Important:** Only ever use a BS1362 fuse with the same rating marked on the non-rewirable plug.



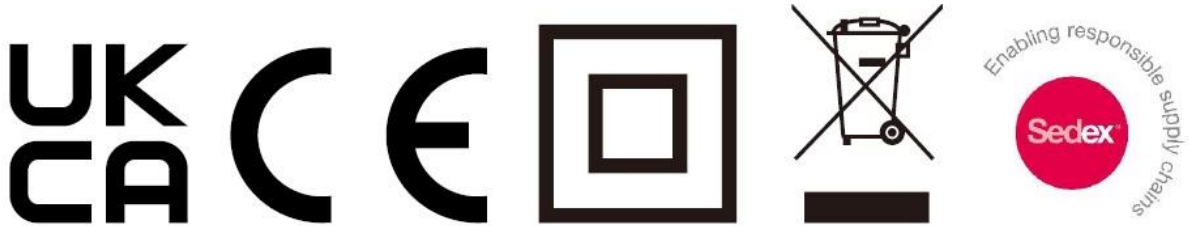
# NOTES



# Russell Hobbs

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The 'whee bin' symbol is known as the 'Crossed-out whee bin Symbol'. When this symbol is marked on a product/batteries, it means that the product/batteries should not be disposed of with your general household waste. Only discard electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment. For your nearest disposal facility, visit [www.recycle-more.co.uk](http://www.recycle-more.co.uk) or ask in store for details.

SEDEX – Connecting businesses and their global suppliers to share ethical data and enabling improvement in ethical performance. Visit [www.sedex.org.uk](http://www.sedex.org.uk) for further information.

We reserve the right, due to possible changes to design, to alter the instruction manual without prior notice.

## Revision 1.3