

Wave Heater SWW 1500 A1



GB **Wave Heater**
IE Operating instructions



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Introduction

Information regarding these operating instructions

These operating instructions are a component of the Thermal wave heater SWW 1500 A1 (subsequently referred to as the device) and provide you with important information for proper use, safety, connections as well as operation of the device.

These operating instructions must be constantly kept available close to the device. They are to be read and applied by anyone assigned to operate, and/or repair faults to the device.

Retain these operating instructions and pass them on, together with the device, to any future owners.

Copyright

This documentation is copyright protected.

Any copying and/or reproduction, wholly or partially, including reproduction of the illustrations, also in a modified format is only permitted with written consent from the manufacturer.

Limited liability

All technical information, data and instructions for the installation, connection and operation contained in these operating instructions correspond to the latest available at the time of printing and, to the best of our knowledge, take into account our previous experience and know-how.

No claims can be derived from the details, illustrations and descriptions in these instructions.

The manufacturer assumes no responsibility for damage caused by failure to observe the instructions, improper use, inappropriate repairs, making unauthorised changes or for using unauthorised replacement parts.

Warnings

In the current operating instructions the following warnings are used:

DANGER

A warning of this danger level indicates a life-threatening dangerous situation

If the dangerous situation is not avoided, it could lead to death or serious physical injury.

- ▶ Observe the instructions in this warning to avoid the death of or serious physical injury to people.

WARNING

A warning of this danger level signifies a possible dangerous situation.

If the dangerous situation is not avoided it could lead to physical injuries.

- ▶ Observe the instructions in this warning to avoid personal injuries.

CAUTION

A warning of this danger level signifies possible property damage.

If the situation is not avoided it could lead to property damage.

- ▶ Observe the instructions in this warning to avoid property damage.

NOTICE

- ▶ A notice signifies additional information that assists in the handling of the device.

Intended use

This device is only intended for heating in indoor living spaces and only for private purposes. This device can be used free standing or mounted on a wall. This device is not intended for any other use or for uses beyond those mentioned.

WARNING

Danger from unintended use!

Danger can come from the device if used for unintended purposes and/or other types of use.

- ▶ Use the device exclusively for intended purposes.
- ▶ Observe the procedures described in these operating instructions.

Claims of any kind for damage resulting from unintended use will not be excepted. The operator alone bears liability.

Safety

In this chapter you will receive important safety information regarding the handling of the device.

This device complies with the statutory safety regulations. Incorrect usage can lead to personal injury and property damage.



Do not cover the device!

Covering the device can lead to overheating and thus result in a fire!

Risks from electrical current

DANGER

Risk of potentially fatal electrical current!

Contact with wires or components that are under voltage could be potentially fatal!

Observe the following safety instructions to avoid risks from electrical current:

- ▶ Do not use the device if the mains power cord or the plug is damaged.
- ▶ Before putting the device back into service have a new mains power cord installed by an authorised specialist.
- ▶ Under no circumstances should you open the device housing. There is a danger of electric shock if voltage carrying connections are touched or the electrical and/or mechanical construction is changed.

Basic Safety Instructions

For safe handling of the device observe the following safety information:

- Before use check the device for visible external damage. Do not put into operation a device that is damaged or has been dropped.
- If the device's mains power cord is damaged, it must be replaced by the manufacturer, the manufacturer's customer service department or by a qualified technician so that hazards can be prevented.
- This device is not intended for use by individuals (including children) with restricted physical, physiological or intellectual abilities or deficiencies in experience and/or knowledge unless they are supervised by a person responsible for their safety or receive from this person instruction on how the device is to be used.
- Children should be supervised to ensure that they do not play with the device.
- Repairs should only be carried out by authorised specialist companies or by the Customer Service Department. Incompetent repairs can result in significant risks for the user. In addition, warranty claims become void.
- A repair to the device during the warranty period may only be carried out by a customer service department authorised by the manufacturer otherwise no additional warranty claims can be considered for subsequent damages.
- Defective components may only be replaced with original replacement parts. Only by using original replacement parts can it be guaranteed that the safety requirements are being complied with.
- Protect the device from moisture and liquid penetration.
- Always pull the mains power cord from the wall socket by the plug, never pull on the cord.
- Do not use the device in the vicinity of open flames.
- The device must not be placed immediately under or over a mains wall socket.
- In the event of malfunctions and during thunderstorms pull the plug from the mains wall socket.
- The device must not be used in the immediate vicinity of a bath, a shower or a swimming pool.
- The device is to be installed so that a person in the bath or shower is unable to touch the switch and other controls.
- Do not subject the device to spray and/or dripping water and do not place any objects filled with liquid, such as vases or open drink containers, on or near the device.

Initial use

Package contents and transport inspection

The device is delivered with the following components as standard:

- Thermal wave heater
- Remote control
- 2 Batteries type AAA/Micro
- 2 Pedestals with securing screws
- 4 Wall brackets (U shaped)
- 1 Angle bracket (Z shaped)
- 5 Rawlplugs S8
- 5 Screws M4 x 42 mm
- 7 Screws M4 x 13 mm
- This operating manual

NOTICE

- ▶ Check the contents to ensure that everything is present and for signs of visible damage.
- ▶ If the contents are not complete or are damaged due to defective packaging or through transportation contact the service hotline (see service).

Disposal of the packaging

The packaging protects the device from transport damage. The packaging materials are selected from the point of view of their environmental friendliness and disposal technology and are therefore recyclable.



The recirculation of packaging into the material circuit saves on raw material and reduces generated waste. Dispose of packaging material that is no longer needed according to the regionally established regulations.

NOTICE

- ▶ If possible preserve the device's original packaging during the warranty period so that in the case of a warranty claim you can package the device properly for return.

Requirements for the set-up location

For safe and faultless operation of the device the set-up location must satisfy the following criteria:

- The device must only be operated in an upright position and completely assembled.
- When using the pedestals the device must be placed on a firm, flat and even floor.
- When wall mounting the device must only be mounted in a fixed position on a vertical wall.
- The minimum distances of the housing from other objects must be maintained, they are; 100 mm at the sides, 300 mm above, 150 mm below (with wall mounting) and 500 mm in front.
- Do not stand and/or hang the device in a hot, wet or very moist environment or in the vicinity of flammable materials.
- The mains wall socket must be easily accessible so that the mains power cord can be easily removed in an emergency.
- Environment temperature range: +5 to +45 °C
- Humidity (no condensation): 5 - 90 %

DANGER

Fire hazard through contact with materials!

The risk of fire exists if the heating elements come into contact with flammable materials!

- ▶ Do not place and/or hang the device in the vicinity of curtains and other flammable materials.
- ▶ Do not allow flammable materials (i.e. draperies) to come into contact with the device.
- ▶ Do not cover the device.

Before initial use

- Remove all packaging materials and all transport securing devices from the device.

NOTICE

- ▶ With initial use, for a brief period, a light odour accumulation can occur. This is normal and completely harmless.

Electrical connection

For safe and faultless operation of the device with electrical connection observe the following advice:

CAUTION

- ▶ Before connecting the device compare the connection data (voltage and frequency) on the rating plate with that of your mains power supply. This data must be in agreement so as to avoid damage to the device.
- ▶ Make sure that the mains power cord is not damaged and is not running over hot surfaces and/or sharp edges.
- ▶ Make sure that the mains power cord is not stretched or knotted.

Inserting batteries into the remote control

- ◆ Open the battery compartment on the rear panel of the remote control.
- ◆ Insert the batteries, type AAA/Micro into the battery compartment. Make sure the polarities are correct.
- ◆ Close the battery compartment.

Operating components

Device

- 1 Display
- 2 AUTO ON button
- 3 POWER/MODE button
- 4 +/- buttons
- 5 AUTO OFF button
- 6 POWER main switch
- 7 Mains power cord
- 8 Pedestals
- 9 Heating element
- 10 Carrying handle

Remote control

- 11 AUTO ON button
- 12 POWER/MODE button
- 13 +/- buttons
- 14 AUTO OFF button
- 15 Battery compartment

Assembly

CAUTION

- ▶ For assembly place the device on a soft underlay such as, for example, a carpet in order to avoid damages.

Stationary assembly

- ◆ Fold the carrying handle **10** backwards and place the device with the underside upwards, on a soft underlay.
- ◆ Assemble the pedestals **8** with both screws **A** to the device (see diagram Pedestal assembly).

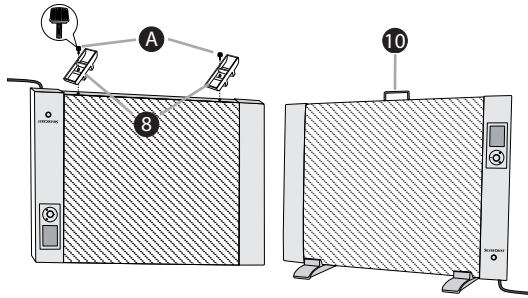


Diagram Pedestal assembly

Wall mounting

⚠ WARNING

- ▶ Make sure that when you are drilling you do not damage any electrical wires or other installations in the wall such as water pipes.
- ▶ The supplied rawlplugs are only suitable for a mounting on concrete or stone. Before starting the installation, please check your installation location carefully for its suitability for the rawlplugs. If in doubt, call a professional.

NOTICE

- ▶ When selecting the mounting location make sure that a suitable mains wall socket is located within the plug-in radius of the mains power cord.

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- ◆ Slide the upper wall brackets **B** into the holding fixtures **C** on the device's rear panel and firmly screw these, together with the angle bracket **D** and the lower wall brackets **B**, to the rear panel of the device. For this purpose use the 7 screws M4 x 13 mm (see diagram Wall bracket assembly).

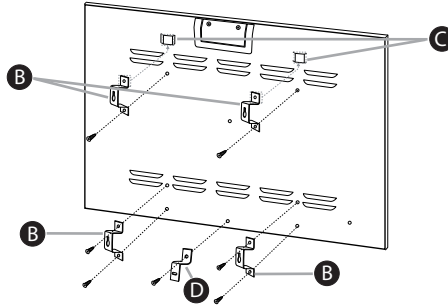


Diagram Wall bracket assembly

- ◆ Mark two drill holes at a height of 600-650 mm and at a distance of 330 mm.
- ◆ Mark two more drill holes at a height of 250-300 mm and at a distance of 330 mm. Make sure that the distance between the upper and lower drill holes is 350 mm (see diagram Drill scheme).
- ◆ Now with an electric drill and an 8 mm drill bit drill four holes to a depth of, at least, 40 mm.

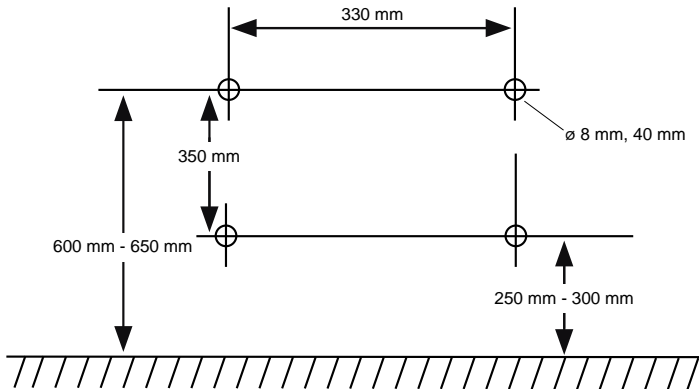


Diagram Drilling scheme

- ◆ Insert the rawlplugs into the holes and screw in the M4 x 42 screws. Allow the screw heads to stick out slightly.
- ◆ Now hang the device on the screws and mark the drill hole for the angle bracket **D**.

- ◆ Remove the device from the wall again. With an electric drill and an 8 mm drill bit drill the hole to a depth of, at least, 40 mm, subsequently insert the rawlplug into the hole.
- ◆ Hang the device on the wall and tighten the screw with the angle bracket **D** (see diagram Tightening the angle bracket).

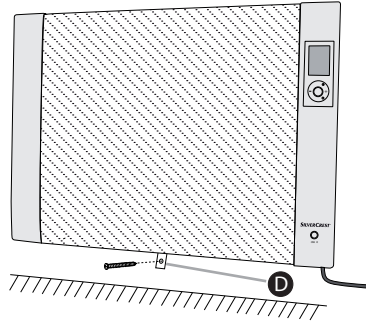


Diagram Tightening the angle bracket

- ◆ Insert the power plug into a mains wall socket.

Handling and operation

NOTICE

- ▶ All functions can be switched both with the buttons on the device and with the remote control.

In this section you receive important information for the handling and operation of the device.

Switching the device on and off

With the main switch POWER **6** the device is completely disconnected from the mains power.

- ◆ Firstly switch the main switch POWER **6** on and/or lastly off when you are no longer operating the device.

Heating operation

- ◆ Activate the main switch POWER **6** to switch the device on. In the display **1** appears briefly - - and subsequently the current device temperature in the area of the integrated temperature sensor. The device is now in standby mode. In the display **1** the symbol for the frost protection function \ast blinks.
- ◆ Press the button POWER/MODE **3** and/or **12**. The device switches on with the low heat output (LOW). In the display **1** appears *Lo*.
- ◆ Press the button POWER/MODE **3** and/or **12** again to set the high heat output (HIGH). In the display **1** appears *H*.



Setting the nominal temperature

- ◆ Press the button POWER/MODE **3** and/or **12** repeatedly until, in the display **1**, the nominal temperature and the indicator LOW blinks for 5 seconds.
- ◆ Whilst the nominal temperature is blinking in the display **1** press one of the buttons +/- **4** and/or **13** to set the desired nominal temperature from 15°C to 27°C. Each press of the button +/- **4** and/or **13** increases or reduces the nominal temperature by 1°C. Wait approx. 5 seconds until the nominal temperature is continuously shown in the display **1**. The setting is now saved and the heating element **9** switches on.
- ◆ Press the button POWER/MODE **3** and/or **12** again if you want to set the high heat output (HIGH). In the display **1** the nominal temperature as well as the indicator HIGH blink for 5 seconds.


NOTICE


- ▶ As soon as the temperature at the temperature sensor integrated into the device has reached the set nominal temperature the heating element **9** switches off and in the display **1** the indicator HIGH and/or LOW blinks.
- ▶ As soon as the temperature falls below the nominal temperature the heating element **9** switches on again and in the display **1** the indicator HIGH and/or LOW lights up continuously.

Programming the switch off time

- ◆ Beforehand, select the desired heating mode (HIGH or LOW) and, if desired, the nominal temperature (see Chapter "Heating operation" and "Setting the nominal temperature").
- ◆ Press the button AUTO OFF **5** and/or **14**. In the display **1** appears the indicator for automatic switch off AUTO OFF  and the preset time blinks for 5 seconds.
- ◆ Whilst the preset time is blinking in the display **1** press one of the buttons +/- **4** and/or **13** to set the desired switch off time between 1 hour and 24 hours. As soon as the set heating mode (HIGH or LOW) or the set target temperature is again indicated in the display **1**, the setting has been accepted and the appliance switches itself off with the lapse of the time period.
- ◆ Press the button AUTO OFF **5** and/or **14** again if you want to deactivate the switch off time. In the display **1** the indicator AUTO OFF  goes out.

Programming the switch on time

- ◆ Activate the main switch POWER **6** to switch the device on and to shift into standby operation.
- ◆ Press the button AUTO ON **2** and/or **11**. In the display **1** appears the indicator for automatic switch on AUTO ON  and the preset time blinks for 5 seconds.

- ◆ Whilst the preset time is blinking in the display **1** press one of the buttons +/- **4** and/or **13** to set the desired switch on time between 1 hour and 24 hours. As soon as the switch on time lights up continuously in the display **1** the setting is adopted and the device switches on, after the time has expired, to the high heating output (HIGH).
- ◆ Press the button AUTO ON **2** and/or **11** again if you want to deactivate the switch on time. In the display **1** the indicator AUTO ON  goes out.

Overheating protection

With excessive temperature rise the device automatically switches off and in the display **1** appears *HHHH*.

Should this occur...

- ◆ Switch the device off at the main switch POWER **6** and pull the mains power plug from the wall socket. Allow the device to cool down for a few minutes
- ◆ After the cause of the overheating has been removed, i.e. a covered heating element, the device can be switched on again.

Frost protection function

The device is equipped with a frost protection function which automatically switches to the high heat output (HIGH) as soon as the room temperature falls below 7°C. When the room temperature has reached 10°C the appliance automatically switches back to standby mode.

- ◆ Activate the main switch POWER **6** to switch the device on and to shift into standby operation. In the display **1** the symbol for the frost protection function  blinks.

The device now switches on if the room temperature drops below 7°C.

Topple over protection

The device is equipped with topple over protection which automatically switches the heating element **9** off if the device topples over. In addition a warning tone sounds for 1 minute.

Cleaning

WARNING

Observe the following safety information to avoid danger and property damage:

- ▶ Only clean the device when it is switched off and cold.

IMPORTANT

Possible damage to the device.

Penetrating moisture can lead to the device becoming damaged.

- ▶ Make sure when you are cleaning the device that no moisture gets inside in order to avoid irreparable damage to it.
- Clean the housing exclusively with a soft damp cloth and a mild dishwashing liquid.
- Remove dust deposits on the protective screen with a vacuum cleaner.

Storage

- Pull out the mains power plug if you do not intend to use the device for an extended period of time.
- Store the device in a dry environment.

Disposal

Disposal of the device



Do not dispose of this device in your normal domestic waste. This product is subject to the European directive 2002/96/EC-WEEE (Waste Electrical and Electronic Equipment).

Dispose of the device through an approved disposal centre or at your community waste facility. Observe the currently applicable regulations. In case of doubt, please contact your waste disposal centre.

Disposing of the batteries

Do not dispose of the batteries with household waste. Every consumer is legally obliged to dispose of batteries at a collection site in his community/city district or at a retail store. This obligation is intended to ensure that batteries are disposed of in an environmentally safe fashion. Batteries should only be returned in a fully discharged condition.

Troubleshooting

In this section you will receive important information for malfunction localization and remedies.

WARNING

Observe the following safety information to avoid danger and property damage:

- Repairs to electronic devices may only be carried out by specialists who have been trained by the manufacturer. Considerable danger to the consumer and damage to the device can occur as a result of incorrect repairs.

Malfunction causes and remedies

The following table will help with localizing and remedying minor malfunctions:

Defect	Possible cause	Solution
The device will not switch on	The mains plug is not inserted.	Insert the plug into the mains power socket.
	The mains power socket is not providing power	Check the house fuses
The device is not providing heat.	The main switch POWER 6 is not switched on. POWER/MODE 3 button and/or 12 has not been activated. The heating element is defective.	Switch on the main switch POWER 6 . Activate the POWER/MODE 3 and/or 12 button. Get in touch with customer service.
In the display 1 appears the indicator <i>HHHH</i>	The heating element 9 is excessively overheated	Switch off the device at the main switch POWER 6 and pull out the mains plug. Allow the device to cool for a few minutes.
In the display 1 appears the indicator <i>EEEE</i>	Malfunction of the integrated temperature sensor	Switch the device off and on at the main switch POWER 6 . If the indicator continues to appear get in touch with the customer service department.

NOTICE

- If you cannot solve the problem with the aforementioned methods please contact customer service.

Appendix

Technical data

General		
Input voltage	220 - 240	V ~
Mains voltage frequency	50	Hz
Power consumption		
Heat output LOW	1000	W
Heat output HIGH	1500	W
Thermostat setting range	15 - 27	°C
Switch on time setting range	1 - 24	h
Switch off time setting range	1 - 24	h
Environmental temperature	+5 to +45	°C
Humidity (no condensation)	5 to 90	%
Dimensions incl. pedestal (W x H x D)	approx. 75 x 56 x 22	cm
Weight	approx. 6	kg

Information regarding the EG conformity declaration

This device conforms with regard to compliance with the basic requirements and other relevant provisions of the low voltage directive 2006/95/EC and the electromagnetic compatibility directive 2004/108/EC.



The complete original declaration of conformity can be obtained from the importer.

Warranty

The warranty for this appliance is for 3 years from the date of purchase. The appliance has been manufactured with care and meticulously examined before delivery.

Please retain your receipt as proof of purchase. In the case of a warranty claim, please make contact by telephone with our Customer Service Department. Only in this way can a post-free despatch for your goods be assured.

NOTICE

- The warranty covers only claims for material and manufacturing defects, but not for transport damage, wearing parts or for damage to fragile components, e.g. buttons or batteries.

This product is for domestic use only and is not intended for commercial use. The warranty is void in the case of abusive and improper handling, use of force and internal tampering not carried out by our authorised service branch.

Your statutory rights are not restricted in any way by this warranty. The warranty period is not extended by repairs made under the warranty. This applies also to replaced and repaired parts.

Damages and defects extant at the time of purchase must be reported immediately after unpacking, resp. no later than two days after the date of purchase.

Repairs made after the lapse of the warranty period are subject to charge.

Service

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(0,06 EUR/Min., (off peak))

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