

EN

INSTRUCTIONS
RADIANT HEATER

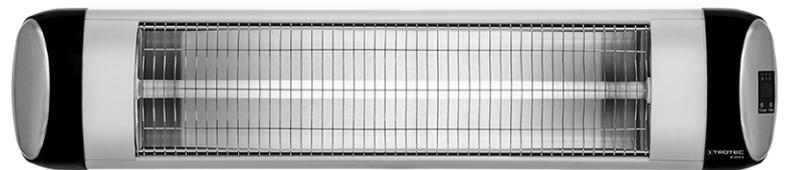


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Information on the use of this instructions

Symbols

 **Warning of electrical voltage**
 This symbol indicates dangers to the life and health of persons due to electrical voltage.

 **Warning of hot surface**
 This symbol indicates dangers to the life and health of persons due to hot surface.

 **Warning**
 This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.

 **Caution**
 This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Note
 This signal word indicates important information (e.g. material damage), but does not indicate hazards.

 **Info**
 Information marked with this symbol helps you to carry out your tasks quickly and safely.

 **Follow the manual**
 Information marked with this symbol indicates that the instructions must be observed.

You can download the current version of the instructions and the EU declaration of conformity via the following link:



IR 2570 S



<https://hub.trotec.com/?id=44539>

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use.

 **Warning**
Read all safety warnings and all instructions.
 Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.
 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 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 made by children without supervision.

 **Warning**
 Children of less than 3 years should be kept away from the device unless continuously supervised.
 Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal 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 and clean the appliance or perform user maintenance.



Warning

Do not use the device in small rooms if persons are present who cannot leave the room independently and who are not under constant supervision.



Warning

Always remove the transport protection made of plastic foam completely from the device before taking the device into operation. Otherwise there is a risk of fire!
Observe the Assembly and installation chapter.

- Do not use the device in potentially explosive rooms or areas and do not install it there.
- Do not use the device in aggressive atmosphere.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not use the device as source of ignition.
- Do not cover the device during operation.
- This appliance is not a toy. Keep away from children and animals.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused mains socket.
- Observe the device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the power cable is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk!
- When installing the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions according to the technical data (chapter Technical annex).
- Keep a safety distance of at least 1 m between the device's radiator side and all combustible materials such as textiles, curtains, beds and sofas.
- Allow the device to cool down before transport and/or maintenance work.
- The device must not be installed directly beneath a socket.
- The device must not be used with a programming switch, timer, separate remote control system or similar equipment that switches the device on automatically, as this could cause a fire hazard if the heater is covered or positioned incorrectly.
- Do not use the device if it has been dropped or if it shows visible signs of damage.
- Use the CR 2025 button battery type.
- Do not insert rechargeable batteries into the remote control.
- Never charge batteries that cannot be recharged.
- Different types of batteries and new and used batteries must not be used together.
- Insert the batteries into the battery compartment according to the correct polarity.
- Remove discharged batteries from the device. Batteries contain materials hazardous to the environment. Dispose of the batteries according to the national regulations.
- Remove the batteries from the remote control if you will not be using the device for a longer period of time.
- Never short-circuit the supply terminal in the battery compartment!
- Do not swallow batteries! If a battery is swallowed, it can cause severe internal burns within 2 hours! These burns can lead to death!
- If you think batteries might have been swallowed or otherwise entered the body, seek medical attention immediately!
- Keep new and used batteries and an open battery compartment away from children.
- If the battery compartment does not close securely, stop using the product via the remote control.

Intended use

Use the device for heating surfaces in roofed outdoor areas protected from weather effects.

Intended use comprises:

- heating surfaces
 - in storage facilities,
 - in construction areas,
 - in containers,
 - in the catering trade,
 - at trade fairs and events,
 - in roofed outdoor areas (e.g. covered terraces).

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

- The device is not intended for industrial use.
- Do not place any objects, e.g. clothing, on the device.
- Do not use the device for heating in vehicles.
- Do not use this device in the vicinity of fuel, solvents, varnishes or other easily inflammable vapours or in rooms where these substances are stored.
- The device may not be used as a heating device for babies / children or animals.
- Never immerse the device in water.
- The device may not be exposed to moisture or weather effects (rain, sunlight).
- The device must not be mounted to the ceiling.

Any unauthorised changes, modifications or alterations to the device are forbidden.

Personnel qualification

People who use this device must:

- be aware of the dangers that occur when working with electric devices in damp areas.
- have read and understood the instructions, especially the Safety chapter.

Maintenance tasks which require the housing to be opened must only be carried out by specialist electrical companies or by Trotec.

Symbols on the device

Symbols	Meaning
	This symbol located on the device indicates that it is prohibited to place objects (such as towels, clothes etc.) above or directly in front of the device. In order to avoid overheating and fire hazards, the heater must not be covered.

Residual risks



Warning of electrical voltage

Work on the electrical components must only be carried out by an authorised specialist company!



Warning of electrical voltage

Before any work on the device, remove the mains plug from the mains socket!
Do not touch the mains plug with wet or damp hands. Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning of hot surface

Parts of this appliance can become very hot and cause burns. Particular attention is to be paid when there are children or vulnerable persons present!



Warning

Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!



Warning

The device is not a toy and does not belong in the hands of children.



Warning

Risk of suffocation!
Do not leave the packaging lying around. Children may use it as a dangerous toy.



Warning

Improper installation entails a risk of fire.
Do not place the device on combustible ground.
Do not place the device on high-pile carpets.



Warning

Risk of injury due to infrared radiation!
Do not stay in the device's immediate vicinity for too long. Do not look directly into the device for too long. Observe the minimum distances.



Warning

In order to avoid overheating and fire hazards, the device must not be covered!



Warning

Coarse dirt particles on the heating rods can cause the device to overheat. Fire hazard!
Remove coarse dirt particles from the heating rods according to the Maintenance chapter before switching on the device.

Behaviour in the event of an emergency

1. Switch the device off.
2. Disconnect the device from the mains: Hold onto the mains plug while pulling the power cable out of the mains socket.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

The device is used to quickly generate instant heat.

The device is based on the functional principle of heat generation by infrared radiation. Persons or objects are heated directly.

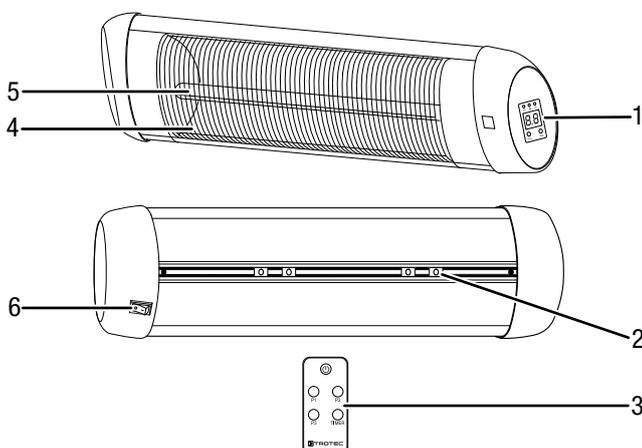
The 3 heating levels can be selected using the remote control.

The device comes with a digital display.

Using the timer function the device can be switched off automatically with time delay.

- suitable for the application in roofed outdoor areas
- splash-proof (IP34)
- for wall mounting
- for attachment to a telescopic tripod
- adjustable angle
- no dust circulation (suitable for allergy sufferers)

Device depiction



No.	Designation
1	Control panel
2	Bracket for wall mounting
3	Remote control
4	Grille
5	Heating rod
6	Mains switch

Transport and storage

Note

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

Before transporting the device, observe the following:

- Switch the device off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Do not use the power cable to drag the device.
- Allow the device to cool down sufficiently.

Storage

Before storing the device, proceed as follows:

- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Allow the device to cool down sufficiently.

When the device is not being used, observe the following storage conditions:

- Store the device in a dry location and protected from frost and heat.
- Store the device in an upright position where it is protected from dust and direct sunlight.
- If required, use a cover to protect the device from invasive dust.
- Place no further devices or objects on top of the device to prevent it from being damaged.
- Remove the batteries from the remote control.

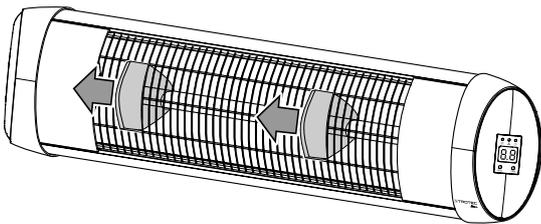
Assembly and start-up

Scope of delivery

- 1 x Device
- 4 x Mounting bracket
- 2 x Wing nut
- 2 x Screw
- 4 x Washer
- 4 x Fastening screw
- 4 x Wall plug
- 1 x Remote control
- 1 x Manual

Unpacking the device

1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Remove the transport protection from the grille (4) of the radiant heater.



4. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

Assembly

The device is suited for wall mounting. Alternatively, you can also use a telescopic tripod. Observe the following requirement for installation inside a room:



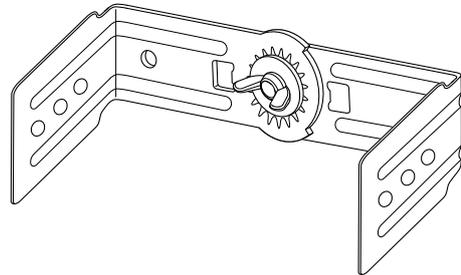
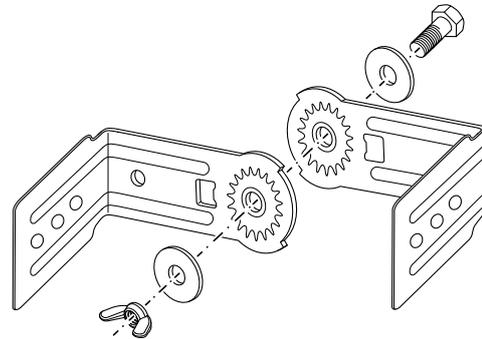
Warning

Risk of fire due to improper installation!
 There is a risk of fire if the required minimum distances are not observed.
 Observe the "Installation" section in the "Assembly and start-up" chapter and the technical data in the "Technical annex" chapter.

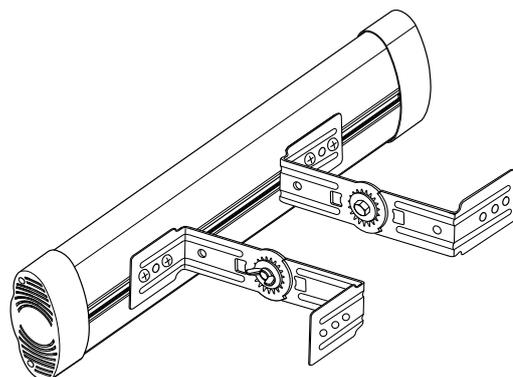
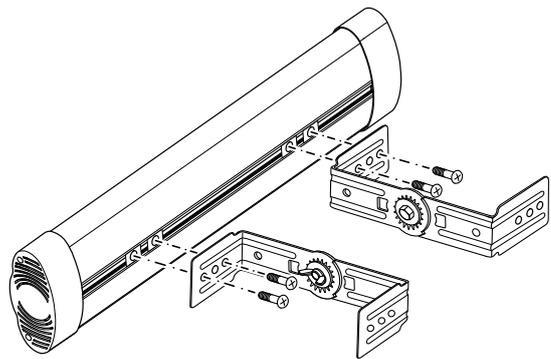
Mounting the wall holder

✓ Use tools suitable for the intended task.

1. Connect two mounting brackets each using a screw, wing nut and washers.



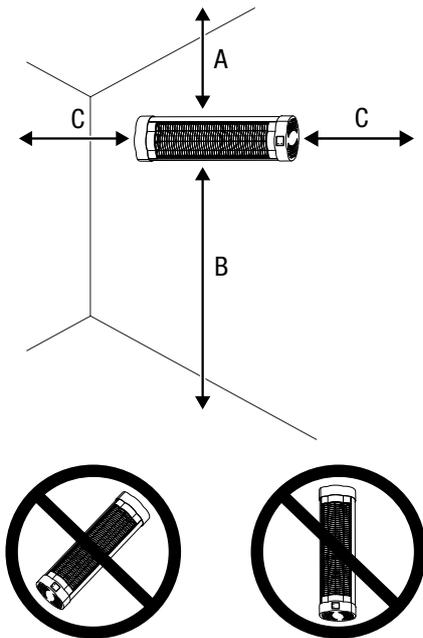
2. Fasten the mounting brackets to the bracket for wall mounting using the fastening screws. The brackets' position can be freely adjusted. We recommend maintaining a distance of 45 to 55 cm between them.



Installation

When installing the device, observe the minimum distances from walls and other objects as described in the Technical data chapter.

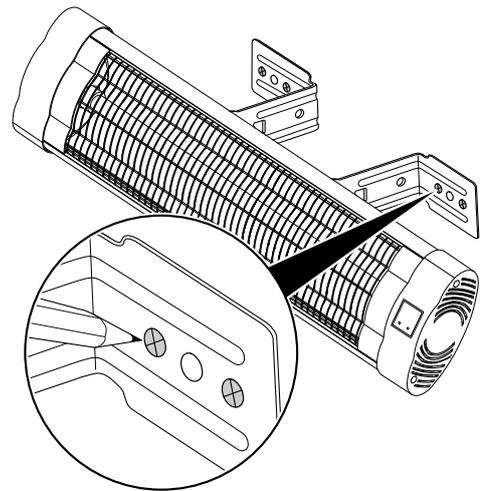
- Do not install the device directly behind a door.
- Never install the device in a way that it radiates directly onto walls or other objects. Observe the minimum distances from walls or other objects according to the Technical data chapter.
- Only install the device in a horizontal position.



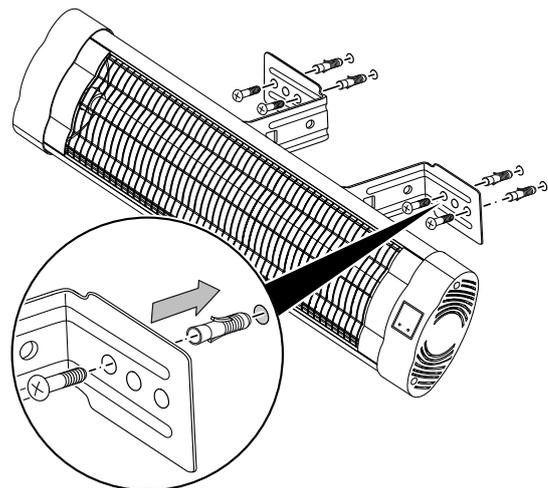
The following is required for installation:

- a pencil for marking the drill holes
- a suitable drill
- wall plugs appropriate for the structure of the wall
- a screwdriver
- a spirit level

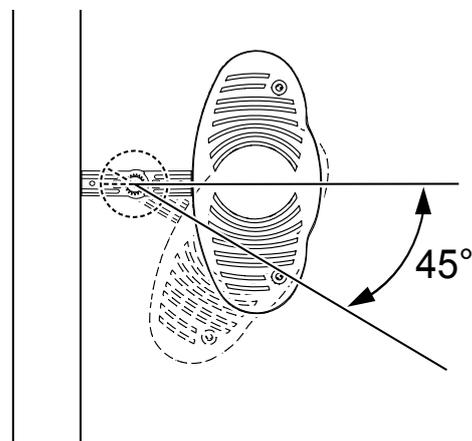
1. Mark the drill holes on the wall.



2. Drill the holes into the wall at the marked positions.
3. Insert suitable wall plugs into the drill holes.
4. Screw the mounting brackets to the wall.



5. Check the mounting brackets for tight fit.
6. Tilt the device to the desired angle. The device can be tilted downwards by 45°.



Start-up



Info

Odours might arise upon initial start-up or after a longer period of non-use.

- Before starting the device, check the condition of the power cable. If there are doubts as to their sound condition, contact the customer service.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are completely unrolled.
- Make sure that there are no curtains or similar objects in the immediate vicinity.

Inserting a battery into the remote control



Warning of electrical voltage

Do not touch the battery compartment with wet or damp hands.

Note

Do not use rechargeable batteries!

Observe the Technical data for start-up.

1. Press the upper part on the back of the remote control and pull the battery cover off the remote control.
2. Insert a type CR 2025 battery into the battery compartment and slide the battery compartment back into the remote control.
3. Slide the battery cover back onto the remote control.

Connecting the power cable

- Insert the mains plug into a properly fused mains socket.
- Make sure that the power cable is guided along the back of the device. Never guide the power cable along the front of the device!

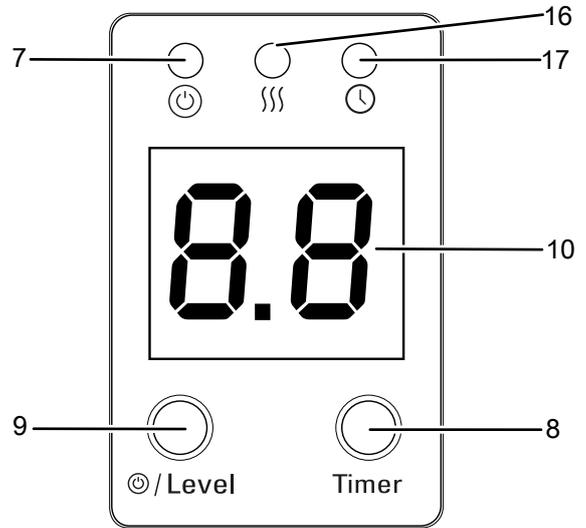


Info

As soon as power is available, the operating light (7) is permanently illuminated, even if the device has not been switched on.

Operation

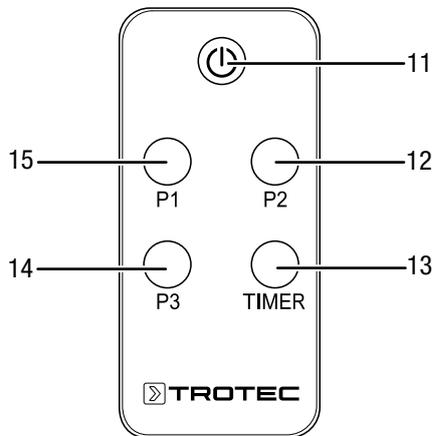
Operating element



No.	Designation	Meaning
7	Operating light	Is permanently illuminated as soon as the mains cable is connected Flashes during timer programming
8	Timer button	Automatic switch-off timer function in increments of 1 h up to 24 h
9	Power/Level button	Switching the device on and off For selecting the heating level
10	Segment display	Heating level indication: P.0 = device in standby mode P.1 = 850 W P.2 = 1650 W P.3 = 2500 W Indication of the number of hours during timer programming
16	Heating level LED	Illuminated when the heating level is activated
17	Timer LED	Illuminated when the timer is activated

Remote control

All settings of the device can also be made using the remote control included in the scope of delivery.



No.	Designation	Meaning
11	On/off button	Switching the device on and off
12	P2 button	Selecting a heating capacity of 1650 W
13	TIMER button	Timer function Automatic switch-off in increments of 1 h up to 24 h
14	P3 button	Selecting a heating capacity of 2500 W
15	P1 button	Selecting a heating capacity of 850 W



Info

An acoustic signal is emitted each time a setting is activated.



Info

When switching on the device, noise may be produced due to the generation of heat. This does not present a hazard.

Switching the device on

Once you have completely installed the device as described in the chapter Assembly and start-up, you can switch it on.

- Switch the mains switch (6) at the rear to position 1.
- Press the *Power/Level* button (9).
 - ⇒ The segment display (10) indicates *P.0*.
 - ⇒ The device is now in standby mode.
- Press the *Power/Level* button (9) again to set the desired heating level.
 - ⇒ The selected heating level flashes in the segment display (10).
 - ⇒ The heating level LED (16) is illuminated.

Setting the timer

The timer allows you to program an automatic switch-off time in increments of 1 h up to 24 h at any heating level.

- ✓ The device is switched on.
 - Press the *Timer* button (8) several times to set the desired number of hours until automatic switch-off.
 - ⇒ The timer LED (17) is illuminated.
 - ⇒ The segment display (10) indicates the number of hours until automatic switch-off.
 - ⇒ The timer has been programmed and the device will switch off after the predefined time.
 - In order to delete the setting, select *00* hours using the *Timer* button (8).
 - ⇒ The timer has been deleted.

Shutdown



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch the device off.
- Allow the device to cool down completely.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Clean the device according to the Maintenance chapter.
- Store the device according to the Transport and storage chapter.

Available accessories



Warning

Only use accessories and additional equipment specified in the operating manual. Using insertion tools or accessories other than those specified in the operating manual may cause a risk of injury.

Designation	Article number
telescopic tripod	1.410.003.190

Errors and faults



Warning of electrical voltage

Tasks which require the device to be opened must only be carried out by authorised specialist companies or by Trotec.

Note

Wait for at least 3 minutes after maintenance and repair work. Only then switch the device back on.

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damage. If you notice damages, do not try to take the device back into operation.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

- Check the on-site fusing.
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electrics checked by a specialist company or by Trotec.

The device does not emit heat:

- The heating element may be defective. If the heating element is defective, have it replaced by a specialist electrical company.
- Check the heating level indication in the segment display (10). If *P.0* is displayed, the device is running in standby mode.

Switch the device on by selecting another heating level between *P.1* and *P.3*.

RCD or another fuse trips:

- Check the fuse. Switch off any other devices to reduce the load on the line.
- Contact a specialist electrical company.

The device slightly vibrates during switch-on and then stops vibrating:

- Slight vibrations during switch-on are a normal process. No measures are required.

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the batteries and change them if required.
- If the batteries have just been changed, check them for correct polarity.

The device still does not operate correctly after these checks:

Please contact the customer service. If necessary, bring the device to an authorised specialist electrical company or to Trotec for repair.

Maintenance

Activities required before starting maintenance



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch the device off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Allow the device to cool down completely.



Warning of electrical voltage

Tasks which require the device to be opened must only be carried out by authorised specialist companies or by Trotec.

Cleaning the device



Warning of electrical voltage

Never immerse the device in water!



Warning of hot surface

Do not touch the reflector or the heating rods with bare hands.

Clean the device with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Wipe the housing dry after cleaning.

Dirt on the heating rods should be removed with a long brush with soft bristles.

Technical annex

Technical data

Parameter	Value
Model	IR 2570 S
Heating capacity	2500 W
Power supply	220 – 240 V / 50 Hz
Plug type	CEE 7/7
Type of protection	IP34
Dimensions (depth x width x height)	90 x 900 x 200 mm
Minimum distance to walls and other objects:	
top (A):	70 cm
bottom (B):	180 cm
sides (C):	100 cm
front:	100 cm
Weight	3 kg
Battery type	CR 2025 / 3V

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.



The icon with the crossed-out waste bin on waste electrical or electronic equipment is taken from Directive 2012/19/EU. It states that this device must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. You can also find out about other return options that apply for many EU countries on the website <https://hub.trotec.com/?id=45090>. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.



In the European Union, batteries and accumulators must not be treated as domestic waste, but must be disposed of professionally in accordance with Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators. Please dispose of batteries and accumulators according to the relevant legal requirements.

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) and the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

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