

ST3000 3-E360



825223

ENGLISH

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Read this instruction manual before using and keep them available at all times!

This instruction manual contains information about the installation, operation and maintenance of the device and should be consulted as an important source of information and reference guide.

Awareness of the safety instructions and instructions for use in this manual will ensure the safe and correct use of the device.

In addition to the information given here, you should comply with any local Health and safety Controls and generally applicable safety regulations.

The instruction manual forms part of the product and should be kept near the device and easily accessible for anyone carrying out the installation, servicing, maintenance or cleaning.

Please keep these instructions and give them to future owners of the device.

1. Safety

This device is designed in accordance with the presently applicable technological standards. However, the device can pose a danger if handled improperly and inappropriately.

All persons using the device must follow the recommendations and instructions in this instruction manual.

1.1 Key to symbols

In this manual, symbols are used to highlight important safety instructions and any advice relating to the device. The instructions should be followed very carefully to avoid any risk of accident, personal injury or material damage.



DANGER!

This symbol highlights hazards which could lead to injury.



WARNING!

This symbol highlights dangerous situations which could lead to injury or death.



HOT SURFACE!

This symbol is a warning that the device surface is hot when in use. Ignoring this warning may result in burns!



CAUTION!

This symbol highlights dangerous situations which could lead to light injuries, or damage, malfunction, and/or destruction of the device.



NOTE!

This symbol highlights recommendations and information aimed for effective and trouble-free device operation.

1.2 Safety instructions



WARNING!

Before you start the device read the following safety warnings and instructions.

Failure to follow the instructions and disregard of the safety warnings may cause electric shock, severe injury and fire.

- The device can be used by children of 8 years old and older, as well as by people with reduced physical, sensory or mental abilities and those with limited experience/knowledge as long as they are under supervision or have been instructed on safe use of the device and possible risks.

Children should be supervised to ensure that they are not playing with the device.

Cleaning and user maintenance may not be performed by unsupervised children.

- Children under the age of 3 should stay away from the device unless they are under constant supervision.
Children aged 3 to 8 years may switch the device on or off only when they are under somebody's care and have been instructed on safe operation of the device and are aware of possible risks, assuming the device has been properly placed and installed.
Children aged 3 to 8 years may not insert the plug into a socket, control the device, clean the device and perform user maintenance.
- This device is not equipped with a thermostat regulating the temperature. Do not use the device in small rooms, where there are people who are unable to leave the room on their own, unless constant supervision is assured during the device operation.
- Do not use this device with a programmer, timer, separate remote control system or another device that automatically starts the heaters as it poses a risk of fire, if the heaters are covered or improperly placed.
- Do not leave the device switched on and unsupervised, particularly when there are children and/or animals nearby.
- Do not expose the device to vibrations or other shocks.
- The device must be operated in correct and safe technical condition only. In case of operational problems disconnect the device from the power supply (pull the plug from the socket) and contact the service company.

- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. **Do not attempt to repair the device yourself.**
- Do not use any accessory or spare parts that have not been recommended by the manufacturer. These can be dangerous for the user or lead to damages of the device or personal injury, and further, the warranty expires.
- To prevent hazards and to ensure optimum efficiency, no modifications or alterations to the device that are not explicitly approved by the manufacturer may be undertaken.



DANGER! Electric shock hazard!

To avoid the hazard results please follow the safety instructions below.

- Never allow the power cable to come into contact with heat sources or sharp edges. The power cable should not hang over the side of the working surface. Ensure that no one can step on or trip over the cable.
- The power cable must not be folded, bent or tangled, and must always remain fully unrolled. Never place the device or other objects on the power cable.
- Do not cover the cable. Keep away the cable from operating range.
- Never wind the power cable around the heater.

- Check the power cord regularly for damage. Do not use the device if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.
- The supply cable must be disconnected from the socket only by pulling the plug.
- Never carry or lift the device by the supply cable.
- In any case do not open the device housing. In case of electrical or mechanical modifications the **electric shock hazard** will occur.
- Do not insert any foreign objects into the holes of the device, it may lead to electric shock and cause damage to the device.
- Even though the device is waterproof, you must not use it when raining or in humid conditions.
- Do not expose the device to a direct water jet.
- Never immerse the device, power cord or the plug in water or other fluids.
- Do not use any acid agents and make sure no water ingresses the device.
- **Never** operate the device with moist hands or standing on wet floor.
- Remove the plug from its socket:
 - when the device is not used,
 - in case of anomalies during operation,
 - before cleaning.



HOT SURFACE! Burn hazard!

Follow the safety instructions listed in order to avoid the hazard:

- The body and protection grille of the device become very hot during operation! Never touch the device during operation or shortly after it has been switched off. Before you start cleaning or moving the device elsewhere, let it cool down completely.



WARNING! Fire or explosion hazard!

Follow the safety instructions listed in order to avoid the hazard:

- Do not use the device near the containers holding gas, petrol, paint, spirits, alcohol or inflammable objects. High temperature may lead to their evaporation and their coming into contact with the sources of ignition may result in deflagration, in effect leading to personal injuries and material damages.
- Infrared heater is designed for private use only. Never use the device in greenhouses, livestock buildings or similar buildings, because they often have inflammable objects or excessive dust which may also present a risk.
- **Never** dry clothes, towels or similar objects on the device. **Risk of overheating and fire!**

- When a fire arises unplug the power cord from the socket before you initiate appropriate measures for fire-fighting.

Caution: Never extinguish the fire with water when the power plug is connected to the socket. Electric shock hazard!

Provide sufficient supply of fresh air.

1.3 Proper use

The operational safety of the device is assured only in case of proper use, according to the operation manual.

All technical activities like installation and maintenance must be performed by the qualified service personnel only.

The heater is designed both for indoor and outdoor areas and may be used outdoors or in closed rooms provided that the safety warnings included in this instruction manual are being followed.



CAUTION!

Any use going beyond the intended purpose and/or any different use of the device is forbidden and is not considered as conventional.

Any claims against the manufacturer or his authorized representative as a consequence of experiencing damages resulting from unconventional use are impossible.

The operator is liable for all damages resulting from inappropriate use.

2. General information

2.1 Liability and Warrantees

All the information and instructions in this manual take into account standard safety regulations, current levels of technical engineering as well as the expertise and experience we have developed over the years.

The instruction manual was translated with all due care and attention. However, we do not accept liability for any translation errors. The German version of this instruction manual is definitive.

If the delivery consists of a special model, the actual scope of delivery may differ from the descriptions and illustrations in this manual. This is also the case for special orders or when the device has been modified in line with new technology.



CAUTION!

Read this manual carefully and thoroughly before any operation of the device, and especially before turning it on!

Manufacturer **is not liable** for any damages or faults caused by:

- violation of advice concerning operation and cleaning;
- use other than designed;
- alterations made by user;
- use of inadequate spare parts.

We reserve the right to make technical changes for purposes of developing and improving the useful properties.

2.2 Copyright protection

The instruction manual including any texts, drawings, images or other illustrations is copyright. No part of this publication may be reproduced, transmitted or used in any form or by any means without permission in writing from the manufacturer. Any person who commits any unauthorized act in relation to this publication shall be liable to claims for damages. All rights reserved.



NOTE!

The contents, texts, drawings, pictures and any other illustrations are copyright and subject to other protection rights. Any person unlawfully using this publication is liable to criminal prosecution.

2.3 Declaration of conformity



The device complies with the current standards and directives of the EU. We certify this in the EC declaration of conformity. If required we will be glad to send you the according declaration of conformity.

3. Transport, packaging and storage

3.1 Delivery check

Please check the delivery upon completeness and transport damage immediately after receipt. In case of visible damage do not accept or accept the delivery with reservation only.

Note the extent of damage on the carrier's bill of delivery. Trigger off the complaint.

Hidden damages should be reclaimed immediately after notice, as claims for damages can only be asserted within the effective period for complaints.

3.2 Packaging

Please do not throw away the covering carton of your device as it might be useful for storage purposes, when moving or, in case of damages, when the device must be sent back to a repair center. The outer and inner packing material should be removed completely from the device before installation.



If you liked to dispose the packing, consider the regulations applicable in your country. Supply re-usable packing materials to the recycling.

Please inspect the device upon completeness. In case any part is missing please contact our customer service center immediately.

3.3 Storage

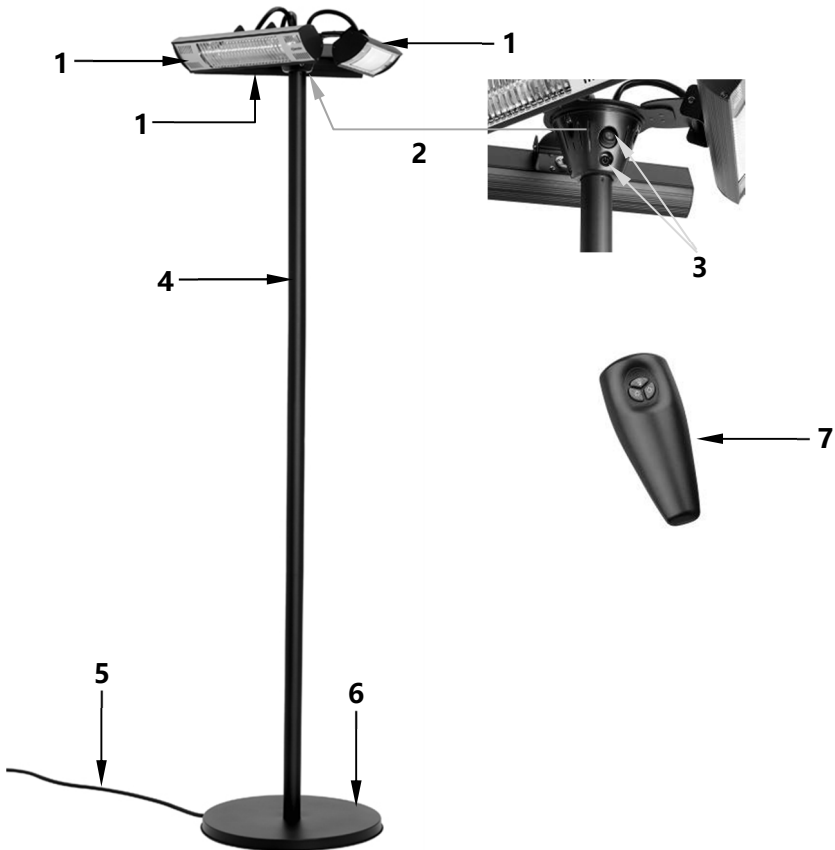
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

Packages should be stored under consideration of the following:

- do not store outdoors,
- keep it dry and dust-free,
- do not expose it to aggressive media,
- do not expose it to direct sunlight,
- avoid mechanical shocks and vibration,
- in case of longer storage (> 3 months) make sure you check the state of the packaging and the parts regularly, if required refresh or renew.

4. Technical data

4.1 Overview of parts



- 1 Heater (3)
- 2 Heaters holder
- 3 Control panel
- 4 Stand tube
- 5 Power cable
- 6 Base unit
- 7 Remote control

4.2 Technical specification

Description	Heater ST3000 3-E360
Code-No.:	825223
Material:	Aluminium, steel, enamelled
Model:	<ul style="list-style-type: none"> ▪ Power supply: electric ▪ Heat source <ul style="list-style-type: none"> - Infrared heating tubes: 3 x 1 kW ▪ Number of heating levels: 1 ▪ Heating radius: 12 m² ▪ Standing device ▪ Control: <ul style="list-style-type: none"> - Touch operation (on the unit) - Remote control ▪ Can be used optionally with 1, 2 or 3 heaters ▪ ON/OFF switch ▪ Indicator lights: <ul style="list-style-type: none"> - Standby - Heating
Degree of protection:	IP55
Power supply:	3 kW 220-240 V 50/60 Hz
Dimensions:	W 600 x D 600 x H 2120 mm
Weight:	19.7 Kg
Power cable	Length 1.85 m, output on base
Accessories (included):	1 remote control

We reserve the right to make technical changes!

5. Installation and operation

5.1 Installation

- Unpack the device and remove the packing material, according to the environmental regulations. Check completeness of delivery.



CAUTION!

Never remove the rating plate or any warning signs from the device.

Installation

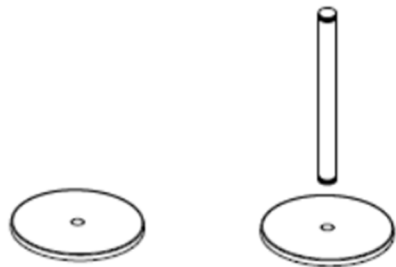


CAUTION!

Connect the heater to the power supply only when the assembly is complete.

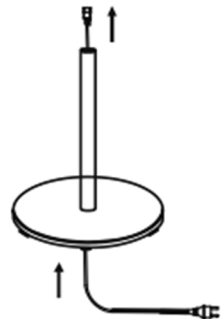
Step 1:

Connect the lower tube with the base by turning it onto the base.



Step 2:

Route the power cable through the base, lower tube, then through the middle and upper tube.



Step 3:

Connect the middle tube with the lower tube by turning.



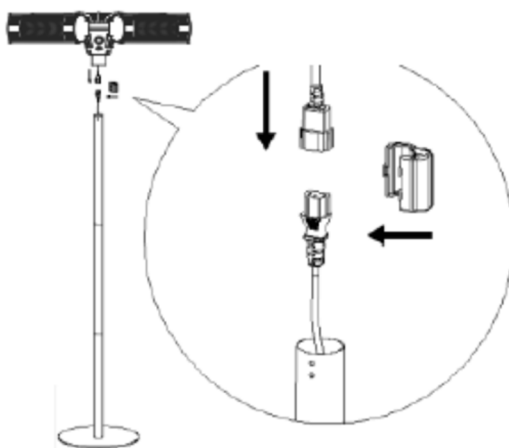
Step 4:

Connect the upper tube with the middle tube by turning in.



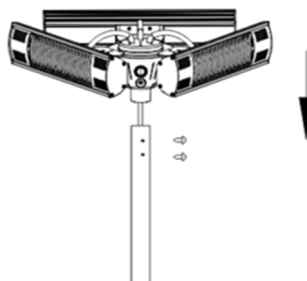
Step 5:

Connect the power cable plug with the holder box of the heaters.



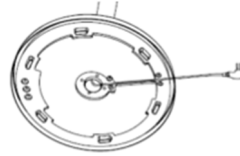
Step 6:

Place the holder with the pre-assembled heaters on the upper tube and tighten it with the supplied 4x8 mm bolts.

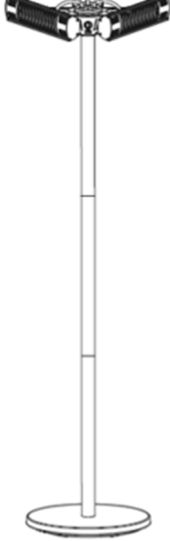


Step 7:

Mount the power cable with the supplied M4 nuts on the reverse side of the base.



Preset

- When assembled, place the device on an even, stable surface that will support the weight of the device
 - **Never** place the device on a flammable surface.
 - You **must not** position the device near open fireplaces, electric ovens/arc furnaces, furnaces/electric heaters or other heat sources..
 - You must place the device in well-ventilated areas only.
 - Do not place the device near a swimming pool or pond, in a bathroom or in a shower area.
 - If possible, do **not** place the device in passage ways to prevent from tipping over as a result of accidentally touching the heater.
 - Place the heater outdoors or in a large open area, away from such obstacles as branches or objects that may be affected by the heat.
- 
- Do not install the device in front of a curtain and/or other flammable objects as there is a risk of combustion.
 - When locating, allow at least 100 cm from walls or other objects and 30 cm from a ceiling (e.g. of a terrace roof).
 - Make sure that the heaters are at a distance of at least 1.8 m from the ground.
 - Do not place the device directly under or above a wall power supply socket.
 - When locating, remember that the power cable must be led so that tripping over or getting caught (e.g. playing children) is eliminated.
 - When locating the device, make sure the power plug is easily accessible to immediately unplug the device, if necessary.



NOTE!

The device is provided with the protection that switches off the heaters automatically when the heater has been hit or tipped over (e.g. when it has been tipped over by a blow of wind). When lifted up, the device needs to be restarted.

Connection



DANGER! Electric shock hazard!

The device can cause injuries due to improper installation! Before installation and connecting the local power grid specification should be compared with that of the device (see rating plate). Connect the device only in case of compliance!

- The power supply circuit with the socket must be protected by the fuse of at least 16A. Connect the device directly to a single grounded socket. Do not use any power bar or multiple socket.

5.2 Operation

- Before use, clean the device according to the instructions set out in point 6 “Cleaning”.
- Connect the device to a single grounded socket.



WARNING! Risk of burns!



Some heater elements may become very hot and cause burns. Always supervise the device operation when there are children or vulnerable people present.

- Thermal radiation of particular heaters cannot be reduced: when on, the heater heats with full power.

Start the device

with control elements on the heaters holder.

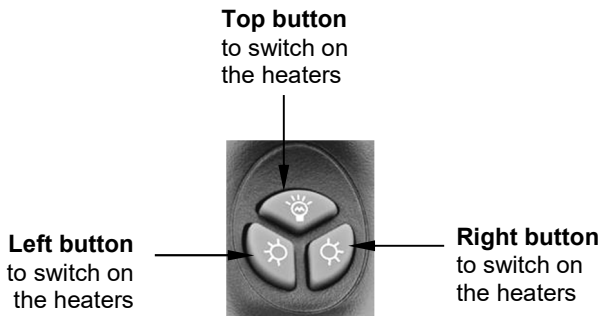


8		ON/OFF switch
9		Button

- Press the ON/OFF switch (8) to “I” position to switch on the device. The button (9) lights up in red signalling that the device is ready to use.
- With the button (9) you can switch on 1, 2 or 3 heaters according to needs:
 - touch the button (9) once to switch on one heater (1000W).
The button (9) lights up blue if one of the heaters is on,
 - touch the button (9) twice to switch on the second heater (1000W);
 - touch the button (9) three times to switch on the third heater (1000W);
 - touch the button (9) four times to switch on all three heaters. The device operates at 3000 W power.
- To switch off all the heaters, touch button (9) four times again.
- To switch off the device completely, press ON/OFF switch (8) to “O” position.

with the remote control

- There is one **remote control** supplied. Using the remote control buttons, you can switch the heaters on or off at any time according to needs.



- Press the ON/OFF switch (8) to “I” position to switch on the device. Button (9) lights up in red signalling that the device is ready to use.
- To use the heater with one heating element, press any button on the remote control.
- To use the heater with two heating elements, press any two buttons on the remote control.
- Press all three buttons on the remote control to use the heater with three heating elements.
- To switch off all the heating elements, press all three buttons on the remote control again.
- To switch off the device completely, press ON/OFF switch (8) to “O” position.

Changing the angle of inclination



WARNING! Risk of burns!

The heater becomes very hot during operation!

Never change the angle of inclination during operation.

- The angle of inclination of particular heaters may be changed (-40° bis 80°).
- Before changing of the angle of inclination, switch off the device and leave it to cool down completely (15 min).
- Move the required heater upwards or downwards, according to the needs.



Turning the device off

- When the device is no longer in use, turn it off using ON/OFF switch (8) by pressing it to “O” position and disconnect from the power supply (pull the plug!).

6. Cleaning and maintenance



WARNING!

Before cleaning, disconnect the device from the power supply (unplug!) and leave to cool off.

Never clean the device with use of pressurized water jet. Protect the device from the water penetration.



CAUTION!

For cleaning, do not use any aggressive cleaning agents, e.g. cleaning sprays, solvents, alcohol/benzine containing agents or abrasive agents.

Cleaning

- Clean the device regularly.
- After operation, wipe the device with a damp, soft and lint-free cloth. Then dry it thoroughly using a soft cloth.
- When used for some time, dust may accumulate on grilles and heaters. Remove the dust with a soft bristle brush.

Maintenance

- Any maintenance work or repair, including the infrared heater replacement, may be carried out exclusively by qualified personnel.

Storing the device

- If the device is not used for a long time, clean it according to the above description and store in a dry, clean place, protected against cold, sun and, children. Do not place any heavy objects on the device.

7. Waste disposal

Old devices



The electric devices are marked with this symbol. You must not dispose of electric devices with household waste. When the device may not be longer used each consumer is obliged to dispose of the device at the dedicated local collection point, separately from household waste.



NOTE!

Electric devices should be used and disposed of properly to prevent the impact on the environment.

- Disconnect the device from the power supply and remove the power cord from the device.

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