
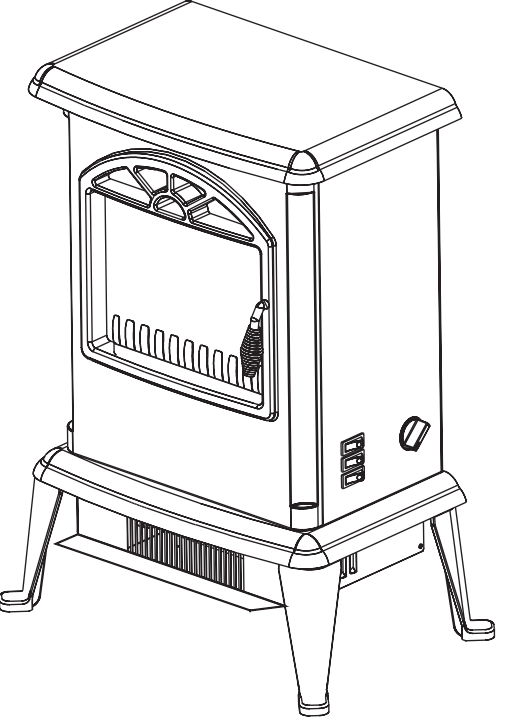



145x210mm



INFRARED QUARTZ HEATER

model # HT1108





ATTACH YOUR RECEIPT HERE

Purchase Date _____ Serial Number (located on back of unit) _____

Thanks for your purchase. Any questions please don't hesitate to contact us. We will handle all your problem ASAP. Your feedback is vital to us! And we will always try to do better. For more details, please contact us by email via support@rovsun.com. (Write your seller's Order # on the subject of the email, so that we can find your order and better assist your issue) Or call us at (1)855-882-2333.

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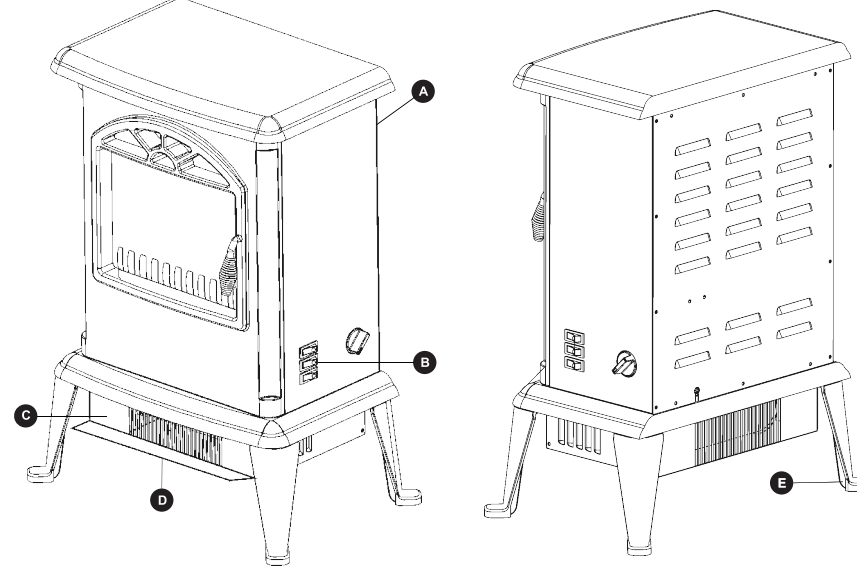


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PACKAGE CONTENTS		
		
PART	DESCRIPTION	QUANTITY
A	Infrared Heater	1
B	Control Panel (preassembled to Infrared Heater (A))	1
C	Heat Output Vent (preassembled to Infrared Heater (A))	1
D	Heat Switch (preassembled to Infrared Heater (A))	1
E	Unit Legs	4

SAFETY INFORMATION


Please read and understand this entire manual before attempting to assemble, operate, or install the product.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: POTENTIAL ELECTRICAL HAZARD IF NOT ADHERED TO: When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- This heater must be plugged into a 120V, 15 amp (or more) circuit of its own. Do not plug anything else into the same circuit. If unsure if your home meets this specification, consult a certified electrician prior to use. **Risk of fire, overheating, malfunction, property damage, injury, or even death may result if not adhered to!**
- Connect to a properly grounded, 2-prong outlet only. Do not connect the heater to extension cords, surge protectors, timers, direct breakers, or an outlet with other appliances connected to the same outlet. **Risk of fire, overheating, malfunction, property damage, injury, or even death may result if not adhered to!**
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use handles (certain models) or wheels to move this heater.
- Keep combustible materials, such as furniture, pillows, bedding, papers, cloths, and curtains at least 3 ft. (0.9 m) from the front of the heater and keep them away from the sides and rear of the heater.
- Extreme caution is necessary when any heater is used by or near children, invalids, pets, or when the heater is left operating unattended.
- Always unplug the heater when not in use.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped, or damaged in any manner. Contact the manufacturer for resolution options.
- Do not use outdoors. Exposure to outdoor elements, such as rain, snow, sun, wind, or extreme temperatures may cause the heater to become a safety hazard.
- This heater is not intended for use in bathrooms, laundry areas, and similar indoor locations, nor any locations that use GFCI outlets.
- Never place the heater where it may fall into a bathtub or other water receptacles.
- Do not allow foreign objects to enter or block any ventilation or exhaust opening as this may cause electric shock, fire, or damage the heater.
- Do not run the cord under carpet. Do not cover the cord with throw rugs, runners, or similar coverings. Arrange the cord away from traffic areas and where it will not be tripped over.
- The heater must be plugged into a wall outlet that is a dedicated circuit with a minimum 15 amp rating on that individual circuit.
- To disconnect the heater, first turn the power button to the OFF position and then remove the plug from the wall outlet.
- Do not allow foreign objects to enter or block any ventilation or exhaust opening as this may cause electric shock, fire, or damage the heater.
- Allow at least 3 ft. of unobstructed space to the front and rear of the heater to allow for maximum heat, air, and ventilation flow.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored, nor use flammable solvents to clean the heater. Keep the heater dry at all times.
- Use the heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Do not use aerosol solvents to clean the heater as it may cause damage to the finish or casing.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where gasping may become blocked.
- Always plug heater directly into a wall outlet/receptacle. Never use with an extension cord or reusable power tap (split/power strip).

SAVE THESE INSTRUCTIONS

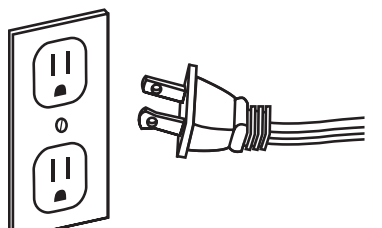


SAFETY INFORMATION

Overheat Safety Feature

This heater is equipped with an overheat safety feature. When the internal components of the heater reach a certain temperature that could cause overheating or possible fire, the heater will automatically shut off.

WARNING: TO PREVENT ELECTRICAL SHOCK, MATCH THE WIDE BLADE OF THE PLUG TO THE WIDE SLOT OF THE RECEPTACLE AND FULLY INSERT.




WARNING: It is normal for the power cord to feel warm to the touch. However, a loose fit between the outlet and the plug may cause overheating of the plug. If this occurs, try inserting the plug into a different outlet. Contact a qualified electrician to inspect the original outlet for damage.

Specifications

Voltage Rating	120 V 60 Hz
Power Consumption	1,000 W/1,500 W
Unit Size	15.40 in (39.1 cm) H x 10.02 in (25.5 cm) W
Unit Weight	12.26 lbs

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FREQUENTLY ASKED QUESTIONS

Please review these frequently asked questions on the next few pages prior to using your heater.

Q. Why does my heater emit a strange odor when I first open the box and when I turn the heater on for the first time. Why is this happening?

A. This is normal. This heater is treated with a special heat self-releasing coating. This odor will sometimes be present when the box is opened. When the coating is exposed to heat, it produces this particular odor during the first few hours of operation. This will dissipate after the break-in period. If you are sensitive to odors, you may want to pre-burn the unit in a garage with the door open until the initial odor dissipates.

Q. My heater runs on its max wattage setting, how many BTUs is that?

A. This heater is intended to be used as supplemental heat in areas most needed. It may take several minutes to several hours to heat your area, depending on various factors. The below chart provides BTU translations for different heaters.

WATTAGE	BTUs
1,500	5,110
1,000	3,412
750	2,559
500	1,705

Q. Can the heating elements be replaced?

A. Replacement heating elements can be obtained from the manufacturer. All parts may be purchased through the manufacturer if your product is out of warranty. If you feel that the elements are definitely faulty right out of the box, contact Customer Support. A representative can then direct you to the next step.


Q. Once I plug the unit in and turn it on, how long will it take to heat my room?

A. The heating process in the heater begins immediately upon powering on and setting the desired temperature above the ambient temperature. A noticeable change in the ambient temperature of the room will vary due to variables such as the location of the heater (in the hallway, floor and side of the room, how well the room is insulated, how many doors/windows, how much bare concrete facts as a heat sink with any type of heating), the opening and closing of an interior door, any hollows, high ceilings, etc. Customers with smaller rooms experience quick heat charges. Rooms with larger and open floor plans can expect up to 30 hours to completely heat up.

Q. Can I use more than one heater at a time? Can I use the heater and another appliance at the same time?

A. Yes, but make sure they are not plugged into the same circuit. Each heater requires its own minimum 15-amp circuit with no other items plugged into that circuit or outlet. This is because heaters are considered appliances and draw out high amperage. If you are unsure your circuit meets these requirements, verify with a certified electrician.

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FREQUENTLY ASKED QUESTIONS

WARNING: Risk of fire, damage to property, or injury may result if requirements are not met.

Q. Why does my heater fan continue to run after the set temperature is reached or the power is turned off?

A. This is normal. The heater's fan will continue to run even after the heater automatically cycles down. The fan continues to run so that every last bit of heat is blown out of the heat chamber while allowing the unit to continue blowing your air. Once the internal box components cool completely, the fan should then shut off on its own. In this case, allow a few minutes after the heat cycles off (with power on). The fan will shut off faster when the power is turned off.

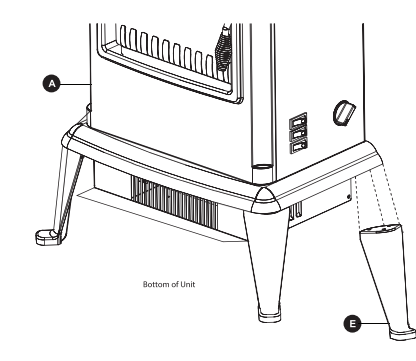
Q. My heater's power cord gets warm. My cord is showing signs of heat or melting at the outlet. Is this normal?

A. A warm power cord is normal. These power cords are rated safe for up to 109°C/221°F by the UL, CSA, or ETL. The exception is, if you detect heat, smoke, or signs of melting at the contact point of the wall outlet, it may be due to loose or worn wall contacts (or arcing). Please stop using the heater immediately, contact warranty support for a replacement power cord, and have a certified electrician replace the wall outlet as soon as possible.


PREPARATION

Place the heater on a firm, level surface and plug into a grounded 120 V, 60 Hz power outlet. Only operate heater in upright position.

Please note that infrared heaters do not heat like a traditional space heater. Infrared heaters heat objects not air. Infrared heaters are intended to supplement an already heated, insulated room. Square footage specifications assume a single enclosed room not an entire home. Infrared heaters do not heat through walls, floors, and are not intended to replace a main heat source. Infrared heat can take at least 24 hours to warm a room but operate much more efficiently to maintain the desired temperature. Infrared heaters will not work well in un-insulated uninsulated spaces like screened in porches, RV's, garages, uninsulated basements, etc.



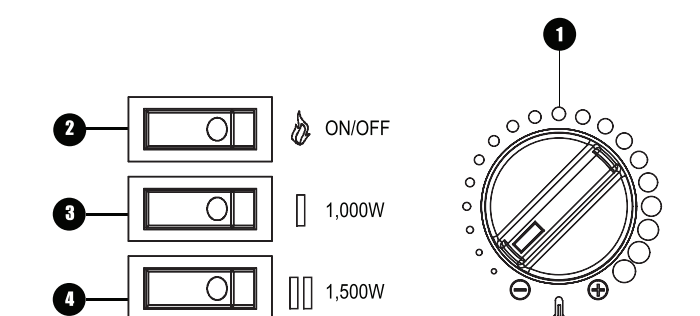
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TROUBLESHOOTING


PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
The heater does not turn on.	1. The power cord is not plugged in. 2. The electricity of the main fuse box is not working.	1. Plug the power cord into an electrical outlet. 2. Check the electricity at the main fuse box.
The flame effect does not turn on.	3. There is no light for the flame.	4. Change the light bulb.
There is no heat from the unit.	1. The thermostat on the heater is set lower than the room temperature. 2. The switch for heat is not on.	1. Increase the thermostat temperature on the heater to a higher heat setting. 2. Turn the low and/or high heat switch to the on position along with the flame and fan effect switch.

CONTROL PANEL



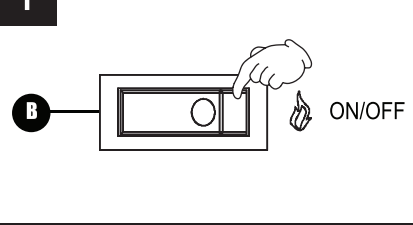
PART	NAME	DESCRIPTION
1	Thermostat Knob	Increases or decreases desired temperature
2	Flame Effect Switch	Engages the flame effect ON or OFF
3	Power ON / OFF Heat Switch One	Powers the unit ON / OFF and toggles power to 1,000 watt mode
4	Heat Switch Two	Engages power to 1,500 watt mode

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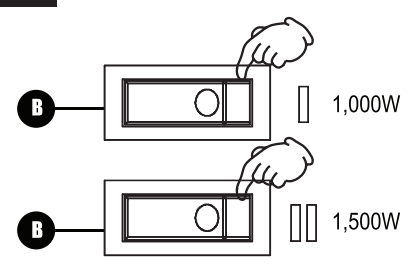


OPERATING INSTRUCTIONS

1. Turn the flame effect ON / OFF by toggling the flame effect switch on the control panel (B) to the position.



2. Turn the heater ON / OFF by toggling the unit power / Heat Switch 1 switch on the control panel (B) to the position. The unit power is set to 1,000 W. Increase the heat power by toggling the Switch 2 on the control panel for 1,500 W.



3. Set the thermostat by turning the thermostat knob on the control panel (B).


To increase the desired temperature, turn the thermostat dial to the right (clockwise) to increase, or left to decrease temperature. The thermostat control knob can only be used while the Power and Heat switch/two are in the on position.

Once you have chosen the desired temperature, the heater will remain on until the room temperature increases to that level. Then, the heater will cycle on and off to maintain the desired room temperature.

Note: A. To turn the heater on, turn the thermostat dial to position before switch on the Heat Switch 1.
B. To turn the heater off, switch off all the three red switches, wait 20 seconds to wait the unit cool down, then turn the thermostat dial to the left - position.

Turn the thermostat dial to the left - position will shut off the fan and stop heating.

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CARE AND MAINTENANCE

WARNING: Before performing any maintenance task, turn off the power switch in the front of the unit, unplugging the unit, and allow to cool completely.

1. To keep the heater clean, clean the water shield with a soft, damp cloth necessary. After cleaning, dry the unit with a soft cloth.

CAUTION: DO NOT let liquid enter the heater.

2. DO NOT use acidic, gasoline, abrasive powders, furniture polish, or rough brushes to clean the heater. They may cause damage or deterioration to the surface of the heater.


3. DO NOT immerse the heater in water.

4. Wash until the unit is completely dry before use.

5. Store the heater in a cool, dry location when not in use. To prevent dust and dirt build-up, use the original packaging to re-pack the unit.

WARNING: Do not use the heater without all assembly in place.

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ONE-YEAR LIMITED WARRANTY

The manufacturer warrants this heater against defects in materials and workmanship on functional parts, for a period of 1 year from the original date of purchase. Your sales receipt showing the date of purchase of the product is your proof of purchase. Keep it in a safe place for future reference. This warranty is subject to personal use only, commercial or rental applications will not be covered.

This product is made with the highest quality materials and is warranted to be free from defects in materials and workmanship at the time of purchase. This limited warranty applies to products manufactured or distributed by the manufacturer, as determined in the continental United States or Canada and extends to the original purchaser, or gift recipient. This warranty becomes valid at the time of purchase and terminates either by the specified time frame listed above and/or owner transfer. Any refund or monetary compensations must be claimed through the place of purchase (retailer), and not through the manufacturer. Any extended warranties (warranties that cover above and beyond this manufacturer warranty) that are sold through a retailer or third party, are not directly correlated with this product's limited warranty, and may be subjected to said retailer or third party for coverage.

This warranty extends through the manufacturer of the product, and covers functional parts only. Convents are not covered, unless empirically determined it is a workmanship defect. Shipping damage should be addressed with the shipping company, retailer, or place of purchase, not the manufacturer unless the manufacturer was the direct shipper.

The manufacturer's sole obligation under this warranty shall be limited to furnishing the original purchaser replacement parts for units deemed repairable by the supplier's warranty department. The purchaser is responsible for insuring any parts shipped or returned, if desired. The purchaser is responsible to prepare any shipping charges (both ways) including, but not limited to taxes and duties. All exchanged parts and products replaced under this warranty will become the property of manufacturer. The manufacturer reserves the right to change manufacturers of replacement parts or products for use, in order to cover any existing warranty.

The purchaser may be asked to provide the supplier with proof of purchase documents (including the date of purchase) if requested. Any evidence of alteration, misuse, or tampering or proof of purchase documents will be just cause to void this limited warranty. Products, in which the serial number has been deleted or removed are not eligible for warranty coverage.


This warranty does not apply if the unit has been subject to negligence, fabrication, misuse, abuse, or repairs, alteration by non-manufacturer authorized personnel, inappropriate installations, or any case beyond the control of the manufacturer. Examples of warranty violation may also include, but are not limited to:

- Use of liquid or paints in (and around) the heaters
- Heater placed on non-approved surfaces
- Electrical requirement deficiencies (15-20 amp dedicated outlet)
- Use on extension cords/timers/surge protectors/GFCI
- Outdoor applications
- Normal wear/tear/weathering
- PatConsume accidents
- Purchases from dealers unauthorized by the manufacturer (Authorization in writing)

The manufacturer shall not be liable for any loss due to use for misuse of the heater or other incidental or consequential costs, expense or damages without irrefutable foundations. Under no circumstances shall the manufacturer or any of its representatives be held liable for injury to any person or damage to any property, however arising. Any implied warranty shall have duration equal of the applicable warranty stated above. Specifications are subject to change without notice or obligation.

This limited warranty grants the original purchaser specific legal rights. Other rights may vary from state to state.

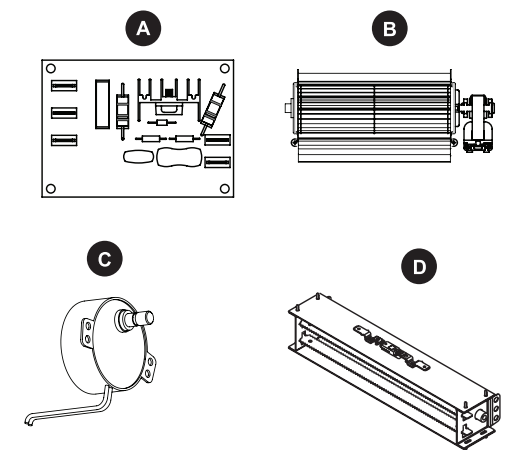
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REPLACEMENT PARTS LIST

For replacement parts, call our technical support department at 1-800-752-5262, 8 a.m. - 5 p.m., CST, Monday - Friday

PART	DESCRIPTION	PART #
A	Power Board	21108
B	Fan	24159
C	Motor	24158
D	Heating unit	23401



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