

Portable Electrical Quartz Infrared Heater

Model No.: HG-8073

(Operation and Warranty Manual)



IMPORTANT TO SAVE THESE INSTRUCTIONS

To ensure you get the best results from your portable heater, please read this manual first and keep it for future reference. For additional information please contact the retailer or distributor.

Thank you for purchasing the Portable Quartz Infrared Heater.

Brief Introduction:

The Portable Quartz Infrared Heater has adopted the most advanced far infrared technology. It has replaced the heat-dissipating method that sends out lethal substances and toxic CO with a safe, convenient, clean, and economic heat-dissipating method and do not reduce the humidity in room.

The far infrared heater is mainly made of plastic casing and fitted with trundles to make it convenient to move. Our filter is not high in efficiency but also convenient in cleaning. It is only required to use warm water to flush it directly.



WARNING:

IMPROPER USE OF THIS HEATER COULD RESULT IN RISK OF FIRE, ELECTRIC SHOCK, AND INJURY TO PERSONS



WARNING:

ANY REQUIRED SERVICE OTHER THAN FILTER MAINTENANCE SHOULD ONLY BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE AND ANY OTHER REPAIRS ATTEMPTED BY ANYONE OTHER THAN AN AUTHORIZED SERVICE REPRESENTATIVE WILL VOID THE WARRANTY.



CAUTION:

RISK OF ELECTRICAL SHOCK
DO NOT OPEN
NO USER-SERVICEABLE PARTS INSIDE

READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THE HEATER

Attentions for Use:

The purpose of this part is to make sure some basic matters are noticed during use of electrical appliances to reduce the occurrence of fire, electric shock, etc. since electricity safety is the key to the assurance of the household safety. Please follow the following safety instructions:

1. Read the instructions carefully before use and save them for future reference.
2. The heater shall be operated by adults. It shall be put in a place where the children cannot reach.
3. The heater shall be placed on the ground for operation.
4. Do not operate the heater near water.
5. Do not plug the power line in places like rotary union and multi-function adapter. Connect the power line of the heater directly on a grounded plug with the specification of AC220-240V and 16amp.
6. Do not plug the power line in a loose or broken socket.
7. Do not change the design or operation of the power line by oneself. Such change will lead to the loss of the product guarantee right or even cause casualty.
8. **WARNING: To avoid overheating, DO NOT COVER the heater.**
9. If the plug is damaged, please do not operate the heater.
10. If there is any bad contact or the product is thrown out or damaged, please stop operating the heater.
11. Keep the heater away from combustibles like furniture, pillow, bedding, and paper.
12. It is required to pull off the plug when the heater is used.
13. It is forbidden to use heater outdoors.
14. Do not put the power line under the carpet or use the carpet or other things to cover the heater. It is forbidden to thread the power line over the furniture or other equipment. Make sure the power line is unimpeded.
15. It is forbidden to use the heater in places like bathroom.
16. Before the plug is pulled off, the heater shall be shut down first.
17. It is forbidden to insert other things in the air hole or exhaust vent to avoid electric shock, fire or other damages.
18. Do not block the exhaust vent or air hole to avoid the occurrence of fire.
19. When the heater is being used, do not put it under the power socket.
20. It is forbidden to use heater near bathtub, nozzle, or swimming pool.
21. Before disassembling the heater, please strictly follow the guidance provided by the authorized supplier. Parts inside the heater that can be used by the user are limited.

22. The product shall be used under the guidance of this manual. It is not suggested to use the product by other means, for a series of casualties like fire and electric shock may be caused.
23. A topping switch is built in the heater. The heater will have the power supply cut and stop working automatically if it is biased by 45° at any direction.
24. Do not use this heater with a programmer, timer or any other device that switches the heater on automatically, since a fire risk exists if heater is covered or displaced.
25. Do not use this heater in the immediate surroundings of a bath, a shower, or a swimming pool.
26. **WARNING:** This heater is not equipped with a device to control the room temperature. Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.
27. **Caution—** some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
28. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person to avoid a hazard.
29. The 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 unless they are older than 8 and supervised.
30. Keep the appliance and its cord out of reach of children less than 8 years.
31. Children age 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 operation 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.
32. Children of less than 3 years should be kept away unless continuously supervised.

WARNING: DO NOT COVER THE HEATER TO PREVENT OVERHEATING. This is what the symbol means.

Product Specification:

| | |
|-----------------------------|---|
| Model No. | HG-8073 |
| Product Name | Portable Electrical Quartz Infrared Cabinet heater |
| Heating Element | 6 infrared quartz heating tube with 3 copper chamber and 1 copper reflector |
| Power Supply | AC220-240V/50Hz |
| Rated Power | 1500W |
| Rated Current | 6.8A |
| Required Fuse | 16A |
| Power Setting | 750W/1500W |
| Heat Output | 5200Btu |
| Noise index | 46db |
| Fan System | Perfusion fan |
| Delayed Fan Blowing | Delayed heat dissipation function |
| Remote control | Yes |
| Over-heat Protection | Yes |
| Cleanable Air Filter | Yes |
| Gross/Net weight | 13.2/12.0 kg |
| Item Dimension | 570x375x525 mm |

How it Works:

Under the condition that the power supply is connected, and the fan heater works normally, the heat dissipating equipment will work and generate heat and the temperature controller is connected to the per fusion fan and starts working. The impeller of the fan rotates at a high speed and extracts the surrounding air to enter the body of the fan heater through filter screen. The flowing air crosses a specially designed air duct and the heating heat dissipating equipment to make the heat in the body efficiently transmitted out from the air distributor of the front plate. The warm current transmitted out will increase the indoor air temperature to reach the heating effect.

The ideal heating area of the fan heater is from 20m² to 30m². The maximum heating area is 40m² only for a single room. The temperature rise effect is mainly dependent on the ambient temperature around the fan heater.

Functions and Composition:

- A. This heater is composed of some quartz heating tube and resistance wire heating elements. The total power is 1,500W. These heating components generate infrared rays with the function of physical therapy which pass through the box and heat the air.
- B. AC per-fusion heater imports the air flow to the movement installed with quartz heating tube. The per-fusion heater utilizes impeller to generate extensive air flow. The air flow is then absorbed inside the heater and circulates around the quartz heating tube with the temperature inside the box. Later, it will be spread out as a unique warm air flow.
- C. The operating system of this fan heater controls the simultaneous operation of AC per-fusion fan and heating coil. When the working temperature is too high, the temperature controller will stop working automatically to protect the product. When the temperature of the temperature controller drops to a certain degree, the temperature controller will be actuated, and the product resumes the normal working status.
- D. This heater has a delayed heat dissipation function to control AC per-fusion fan. AC per-fusion fan will work continually after the power supply on the control panel is cut off and circulate the air and cool the heater.
- E. The control of the running program of fan heater is of logicity. It can be implemented through control panel and remote. See the operation guide for details.

Unpacking of Heater:

1. Check the carton first to make sure it is free from obvious damage during transport.
2. Open the packing of heater and slowly slide it out. It is available to gently and carefully turn the whole box over to make the heater slide out slowly.
3. Remove all protective materials and properly collect the protective materials which may be used to wrap the heater again in seasons when the cabinet is not needed.

Operation Guide:

Check if the heater is damaged first before operation. If any damage is found, please do not use it and contact with the supplier immediately.



ATTENTION:

The operation functions of the remote control are same as those of the front control panel. You can operate the heater either use remote control or the front control panel. The meaning of symbols and words as bellowed:

| | |
|------------------------------|--|
| (ON/OFF) Power Switch | Turn on or turn off the heater. |
| (TEMP↑) UP arrow | Increase the setting temperature you want (°C) |
| (TEMP↓) DOWN arrow | Decrease the setting temperature you want (°C) |
| (MODE) 2 Modes | “MAX” mode and “AUTO & Energy-saving” mode. |

Operation:

1. Insert the power line to the traditional AC220-240V and 16A socket directly and then press down the main power switch of the rear plate, the light on the main power switch and the power indicator light on the power switch button (ON/OFF) above the front control panel displayed as red.
2. Then press down the power switch button (ON/OFF) on remote control or on the front control panel, the "MODE" on the control panel will display "AUTO" and the light in red, the "ROOM TEMP" show indoor ambient temperature and the "SET TEMP" shows your desired temperature.
3. You can press the "MODE" button to choose "MAX" mode or "AUTO & Energy-saving" mode you want.
4. If the heater is not used, it should be turned off by pressing the power switch button (ON/OFF) on the remote control or front control panel first. Now the fan will continue running 3 minutes to blow out the rest of heat from the internal, to cool down the heater, prevent over-heating and make the heater more durable. 3 minutes later, the fan will stop running; you can cut off the main power supply switch of rear plate and pull off the plug.
In any time, do not cut off the main power supply switch of rear plate or pull off the plug directly, it will cause over-heating and reduce the lifetime of the heater.

Tips: The heaters are designed to operate for maximum efficiency from 16 to 22 °C range. Due to the soft heat concept, a temperature of 20 °C will feel as though it were 22 °C, this is due to the heat mixing evenly with humidity of 40% for "head-to-toe" comfort.

Notice: that the temperature displayed on the control panel of the heater is unnecessarily consistent with wall-mounted thermostat, thermometer or other internal temperature displays, since the heater is placed close to the ground, the temperature sensor is inside of the back of the heater, which will make the recorded temperature lower or higher. However, it does not mean that the actual temperature of the house is that low or the heater does not send out heat. If the temperature displayed by the heater is about 4°C-5°C different from the temperature of other temperature readers, it is completely normal.

Tips:

1. Do not put the heater in a place with strong air ventilation.
2. Make the air outlet in the middle of the house. Do not place it against a firm building like wall. If the place is relatively big, put the heater in the center.
3. The set temperature of the heater ranges from 18°C to 30°C. It is mainly because that is comfortable room temperature range.
4. Before use of heater, other heating and exhaust systems shall be turned off to make sure the heater works in an independent place.
5. It is not suggested to use heater aside the non-insulating metal or concrete wall. The indoor concrete floor shall be converted as non-insulating.
6. If the heater is dirt or with dust, it shall be constantly cleaned to assure the working efficiency of heater.

Washable lifetime filter system:

THE Heaters come equipped with a washable lifetime filter on the rear of the unit that is easy to clean.

IMPORTANT INFORMATION: If you have allergies and/or are sensitive to dust, you will want to use this filter. When choosing to use the filter, it must be cleaned daily; a clogged filter will cause the heater to not work to its full capacity.

Using the heater with the dust filter attached is an optional feature. Operating the heater without the filter will in no way harm or alter the operation of the heater. If you are not sensitive to dust or do not want to clean the filter daily, please remove it from the back of unit and use your heater without it.

To clean the filter:

- 1) Press the tab on the top of the filter to release the filter and pull it straight out.



- 2) Run warm tap water over the filter, the opposite direction of air flow, until water runs clear. The filter might excrete some filtered residue, so be cautious not to drip on any stainable surfaces such as carpeting. You can also soak the filter in water mixed with a small amount of mild dish soap (do not forget to rinse with water after soaking filter).

- 3) Shake the filter over a sink until excess water is removed and allow it to drip dry completely before reinstalling. DO NOT force the filter to dry using any alternative methods.
- 4) Reinstall the filter to the rear of the unit by positioning the filter back in place.



WARNING:

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To assure maximum performance of the Heater, please note the following recommendations:

- 1) For best results, do not locate the heater in an area with a high rate of air filtration and movement as the warm air will be exhausted.
- 2) Try placing the heater near a warmer inside wall and direct the output toward a cooler outside wall. The cooler outside wall will tend to draw the generated heat toward itself, which will allow for more efficient heating.
- 3) Placing the heater next to a cold air return will draw the heat away from area to be heated. Try closing or covering the cold air return. This will allow for more efficient heating. Experiment with the placement of the heater to see what works best for you.
- 4) To ensure maximum efficiency, a 40% (minimum) relative humidity should be maintained in the heated environment.
- 5) The heaters are designed to operate for maximum efficiency from 16 to 22 °C range. Due to the soft heat concept, a temperature of 20 °C will feel as though it were 22 °C. This is due to the heat mixing evenly with humidity for "head-to-toe" comfort.
- 6) When the heater is placed in an isolated area, i.e. basement or recreation area, the delivery registers and air return grills of the existing system should be closed in that area if possible.
- 7) In rooms with large areas of bare concrete, try placing the heater a few feet above the floor. Make sure the heater is secure and will not fall. This will allow for more efficient heating since concrete acts as a heat sink and will tend to draw the heat its direction.
- 8) Try lowering your central heating system to a lower temperature and placing the heater in the area you spend most of your time. Now set the heater to your comfort level. After all, there is no point to heating multiple rooms to 20+ degrees when they are not in use.
- 9) When heating larger areas, place the heater in a central location. If a ceiling fan is nearby, try using it at the same time to help distribute the heat evenly.
Our suggestion gives it a try and see what works best for you.
- 10) If used in an extremely dirty or dusty area, the filter must be cleaned more frequently as it can clog and cause the heater to stop working.
- 11) The heater grill is hot when in use. To avoid burns, do not let bare skin touch hot surface. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least three feet from the front of the heater and keep them away from the sides and rear.
- 12) Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- 13) To disconnect heater, press power button to "off," then remove plug from outlet.
- 14) Always unplug heater when not in use.

Maintenance and Storage:

Before the maintenance of heater, the power supply shall be pulled off first. The wooden case shall be wiped by using water and wet rag. The heater is fitted with a cleanable filter screen. The filter screen shall be cleaned as scheduled to assure the use of the heater to a maximal extent. After the filter screen is removed, pour the warm water I the filter screen for cleaning. Spin dry the water in the filter screen and reinstall it. (Note: mild soap can better clean the filter screen). If the heater is not used anymore, it may be stored. Make sure the power supply is turned off and the power line is pulled off. Wrap the power line and cover the heater to retain dust. Also, the heater may be packed to the original status before disassembly. Store the heater in a dry and dust-free environment. (Note: before storage, the filter screen shall be cleaned to prepare for the next use.)

Failure Analysis:

1. Problems:

- A. The heating equipment is damaged.
- B. The control panel does not react, and the temperature is displayed as 30°C, or there is a burning smell.
- C. The power line is damaged.

Solution: *Contact with the supplier immediately. It is forbidden to use heater to prevent electric shock, fire, etc..*

2. Problem: The hot air from the air hole of front plate is reduced.

Solution: Check the filter screen to make sure it is not covered by dust. Check the panel barrier strip or the air flow absorbed to the rear plate to make sure the heater is not blocked by various chips.

3. Problem: The heater cannot be started.

Solution: Check if the power line is properly plugged first. It can be detected by plugging the power line on other sockets. Secondly, check if the control panel blinks. If it does not blink, press down the power button to shut off the time display to make sure the heater can be normally used. Thirdly, check if the switch button blinks. If there is current but the control panel doesn't blink or the switch button doesn't blink, please contact with the supplier immediately.

4. Problem: When the switch is turned off, the heater will work continuously

Solution: Do not pull of the power supply. When the switch is turned off, the fan in the heater will work continuously until the cabinet is cooled. When the fan stops running, the plug may be pulled out.

5. Problem: The control panel does not display temperature or time.

Solution: Check if the power line is damaged, properly plugged or with current first. Secondly, check if the control panel is damaged. If the control panel always cannot display, please contact with the supplier.

6. Problem: Although there is display on the control panel, the heater does not work.

Solution: Check if the signal line or other relevant plugs is properly connected. Please contact with the supplier.

7. Problem: The heater works and the air flows, but the temperature on the control panel always cannot rise.

Solution: Check if the temperature probe is damaged or properly connected. Please contact with the supplier immediately.

Questions & Answers:

Why does the fan still rotate after the rocker switch is turned off?

The fan will not stop rotating until the special heating chamber is cooled. The fan will close automatically after several minutes.

Can the heating elements be replaced?

Yes.

Why does the air flow blown out of the heater become smaller as it seems?

Please make sure the air inlet at the back is not blocked and the filter is clean.

How long does it take to heat my room after I connect the power supply and start the heater?

It takes less than 1 hour. Please notice that there are many variable factors during any type of heating process, including size of the room, heat insulation effect of the room, quantity of doors/windows, degree of bareness of concrete wall (it can be used as cooling fin for any type of heating), opening and closing of outdoor door, etc..

Please note that the heat changes according to the degree of openness of architectural design and size of the room. We heard the feedback of some client that the heater may heat multiple rooms at the same time with the help of the fan when placed in the central position of the room. We suggest that you give it a try and see which method is best.

Does this heater work since the heat insulation effect of my home is not favorable?

Yes, it works. However, please note that room with extremely poor heat insulation effect cannot effectively preserve heat.

Can I use this kind of heater if there is an arched or raised ceiling?

Yes. But it takes a longer time to heat the room for the first time. When the room reaches the required temperature, it will automatically open or close in a circulated manner according to the temperature.

Can this heater be used in bathroom?

It is not recommended to use it in bathroom since the humidity in the bathroom is too high.

Can this heater be used in basement or garage?

Yes. But please note that room with extremely poor heat insulation effect cannot effectively preserve heat. The bare concrete ground will absorb a part of heat like any similar heated cooling fin. Please put the heater several dozens of centimeters above the ground to obtain a better heating effect.

Can I use multiple heaters at the same time?

Yes. But make sure they are not in a same circuit. Each heater and device shall use independent circuits.

Can I use this heater in workplace/construction site?

This heater is not specifically designed for the use in construction environment with tremendous dust. If this heater is used for this purpose, you will not be able to enjoy the warranty service.

Can I move the heater everywhere when it is running?

When the heater is running, you are not recommended to move any portable heater. We suggest that you move the heater after the fan fully stops rotating.

What is regional heating?

Regional heating refers to gathering of heat to regions people conduct activities constantly. After all, it is not necessary to heat multiple idle rooms above 20°C.

How about the electricity consumption of the heater per hour?

It is tested by an independent laboratory that the power consumption of LM- S15Q03 heater per hour under the mode of "MAX" in a residential environment is 1.5kW. It is approximately 0.8kW under the mode of "Energy-saving".

How much heat will the heater generate?

The heat generated by LM- S15Q03 heater is 5,275,279.26J (5000BTU). BTU rule is used to assess the unavailable combustion determination method. Therefore, BTU is only used as a measurement unit fundamentally. Our heating method has obvious advantages in efficiency, safety, and comfort. It can provide a natural and healthy indoor environment.

Can I use the heater and other devices simultaneously?

Yes, if they are not in a same circuit. The regional heater can be viewed as a device. Do not use multiple large devices on a single breaker. The freezer, refrigerator, microwave oven, washing machine, hair driver or other similar devices are not allowed to share a breaker.

Can my heater use have extended electric wire, surge voltage protector or power panel?

It is not suggested to use them. The plug is designed especially applicable for direct insertion of grounding circuit socket with the specification of AC220V-240V and 16A and above. However, if you must use the extended electric wire, you shall use electric wire with the rated power of at least 1,875W. The extended electric wire shall be a three-wire electric wire fitted with grounding-type electric wire and plug connector.

Can I use electric wire adaptor or pull off the grounding plug since I have no grounding socket?

No.

Product Guarantee:

The warranty period for the overall machine lasts for one year, and that for main parts lasts for three years. The purchase receipt will be used as the guarantee voucher. Please keep the receipt properly.

Manufacturing Guarantee:

All heaters are made of high-quality materials. Besides, the material or function guarantee can be enjoyed since the date of purchase. This guarantee applies to products manufactured by The or products distributed in the name of this brand. This guarantee comes into force since the date of purchase.

NOTE CONCERNING PROTECTION OF ENVIRONMENT



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

