IMPORTANT INSTRUCTIONS AND OPERATING MANUAL

INFRARED HEATER

Model: PHW-1500CR

Add: 9733 Topanga Canyon Blvd. APT310, Chatsworth, CA 91311

Phone: 213-4467172

THE USER MANUAL AND WARRANTY CERTIFICATE

WARNING!

PLEASE DO NOT USE THIS PRODUCT IN A VERTICAL POSITION

Distinguished Customer,

This manual has been designed for our Infrared Line, Infrared Star and Infrared U K Line models.

You have purchased a high quality, efficient and original Infrared Heater.

We would like to express our gratitude to you for your appropriate choice and confidence in our company. Please read this manual thoroughly in order to attain a sustainable satisfaction with your heater.

Appropriate installation, operation and maintenance are of great importance for the security of you and of those who are to benefit from the heater.

The difference between Infrared Classic, Infrared Line and Infrared Star models is the duration of lives of the filaments employed.

Please keep this manual in a safe place for future reference and urgent needs.

We wish you to enjoy your new Infrared Heater for better days and times.

All Infrared Products have CE/GS/EMC/ETL/ROHS certificate.

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2. Safety

2.1 Safety Instructions (A+B)

A-Electrical Connection Safety

- Check whether your appliance and power cord are damaged before operating your appliance.
- Check whether there is any crack, disjoint or scratch on the filament (heating tube). If any, contact with your authorized technical service.
- If you appliance or power cord is damaged, do not operate your appliance and return it to your technical service.
- Make sure that the main electricity circuit is 120V and the connection is fused.
- Check the safety of the network. The fuse must be 25A.
- Do not use your infrared heater together with another appliance plugged to the same multiple sockets or connected to the same fuse.
- Use your appliance with a properly earthed plug.
- The earthed plug must fall outside heating field and hot surface.
- The power cord must not be left on or around the frame of your infrared appliance.
- Unplug your appliance when you won't operate it for a long term or will conduct cleaning or maintenance.
- The damaged heater glass must be exchanged.
- If the cable of the heater should be damaged, this may be replaced only by the authorized service.
- If has to be notified that the mounting in the bath must be so that the persons in the bath cannot reach the controls.
- It has to be notified that the product has to be installed at a dry location and may not be wet.

B-Safe distances required for installation on the wall, high temperature and fire protection

- Attention! The appliance must only be operated in a horizontal position with max15°slope. In case of operations in angels larger than 5°in horizontal position or of vertical operations, the heating loop wire may fall into disuse shortly.
- Never install your appliance on a combustible surface (carton etc.)
  The distance of your appliance from the ground is to min 1.8 m (6 feet).
- The distance of your appliance from the ceiling is to be min 0.5 m (2.5 feet).
- The distance of your appliance from the corners to be installed is to be min 0.4 m (1.5 feet) and from the combustibles like curtains must be min 1 m (3.5 feet).
- The distance of your appliance from the living belongs is to be min 1 m (3.5 feet).
- The distance of heating area of your appliance from the materials such as wood, carton, cloth etc., must be min 1 m (3.5 feet).
- Do not cover your appliance and do not hang any clothing over the heater or do not place any clothing on or near the appliance.
- Do not stick anything into the protective grid.
- Do not make use of your heater to light up cigarette or similar materials.
- Supervision is needed when this product is used anywhere near children. The appliance is not intended for use by children or other persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely.
- Risk of Fire-keep combustible material such as furniture, papers, cloths, and curtains at least 0.9 m (3 feet) from the front of the heater and away from the sides and rear.

Warning-TO REDUCE THE RISK OF FIRE

1) Do not place any objects such as furniture, papers, cloths, and curtains at least 0.9m (3 feet) from the front of the heater and away from the sides and rear when the heater is plugged in.
2) Do not place the heater near a bed because objects such as pillows or blankets can fall off the bed and be ignited by the heater.
3) Always unplug the heater if it is not being used.
4) Avoid the use of an extension cord because the extension cord may overheat and cause a risk of fire. However, if you have to use an extension cord, the cord shall be 1.5mm² minimum size. Do not operate within 7.6 m (25 feet) of flammable material.

- Never block the front grill of the heater.
- The heater is not suitable for hazardous locations.
  Never attempt to service the heater without disconnecting its power source.

2.2 Safety Instructions (C+D+E)

C-The distance from bath tub, washbasin or other sanitary installations

You may operate your heater in the bathroom and outdoors considering the items below:

- The distance of your appliance from bath tub, washbasin or other sanitary installations is to be min 0.6 m (2 feet). The distance of 1 m (3.5 feet) is recommended for more safety.
- The distance of the earthed plug from bath tub, washbasin or other sanitary installations must be min 0.6 m (2 feet).
- 1 m (3.5 feet) distance is recommended for more safety.

D-Cleaning and Maintenance Instructions

- Unplug your heater first.

Unplug power cable

Never pull your power cable to unplug your heater

- Take out the front grid to clean the reflector (reflecting mirror) and the filament and apply the instructions on page 19.

E-Repair and Service (page 20)

- Attention! Only technical services and persons authorized by SUN may serve, repair and replace the parts of this heater.

Distinguished Customer:
Please read safety instructions carefully for the security of you, your family and your belongings before operating your appliance.

3. Installation

3.1 Installation Instructions

Installation on the wall: Attention! The appliance must be installed on the solid surfaces like concrete and metal.
Never install on flammable surfaces!
Read the directions carefully to come up with the most appropriate installation method for your patio heater.

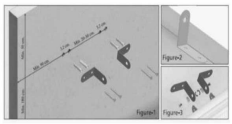


Figure-1 Figure-2 Figure-3

- Drill four 6mm diameter holes on the wall to the place where the unit will be placed with the distance shown in (Figure-1).
- Insert the 6mm diameter wall plugs, supplied with the unit, into the holes.
- Mount two of the L shaped legs on the wall using the 4.9×38screws supplied with the unit.
- Mount the other L legs on the unit using the M5 screws and the small wrench as shown in (Figure-2), corresponding nuts are already built in on the body of the unit)
- Mount and fix the L shape legs on the wall and on the unit respectively, using the M8×13 bolts and nuts and the washers as shown in (Figure-3) and tighten by using the wrench supplied.

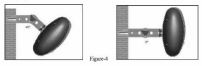


Figure-4

- Depending on the area to be heated the angle of the unit can be adjusted between 0-45 degrees by the help of M8 Bakelite head bolt and nut 6mms.
- Before operating the unit joints should be checked once again.

Installation positions: Attention! Fixing only at ±5°horizontally is of great importance for permanent operation.

5°or more slopes

WRONG WRONG RIGHT

Safety Distances: Minimum distances required for safety

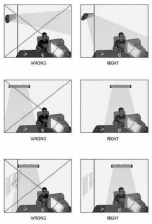
Minimum distances from wall corners

Minimum distances from coverage area and other objects

3.2 Installation Instructions with Right and Wrong Positions

DIRECT YOUR HEATER TOWARDS THE MOST APPROPRIATE ANGLE

Do not let the light out through window, glasses etc. as the heater primarily heats the locations onto which its light falls.



WRONG RIGHT

WRONG RIGHT

WRONG RIGHT

4. Using steps

Step 1: Connect the power cable and the power socket.

Step 2: Press Open/Close once, the digital screen shows P.0.

Step 3: Press Open/Close second, the digital screen shows P.1, the function of a file connected.

Step 4: Press Open/Close third, the digital screen shows P.2, the function of two file connected.

Step 5: Press Open/Close forth, the digital screen shows P.3, the function of three file connected

Step 6: After the function is on, 1-24 hours timing shutdown can be adjusted arbitrarily, the digital screen showing 0.1 indicates timing one hour, showing 0.2 indicates timing two hour.

5. Application Fields

Application fields of Infrared Line and Infrared Star models

Home Applications

Sitting room
Nursery room for children
Guest room
Corridor
Bathroom
Nursery room of babies
Study room
Summer house
Hobby room
Swimming pool

Office Applications

Office
Meeting room
Entrance
warehouse
Workshop
Shop
Internet cafe
Market
Showroom
Swimming pool
Classroom
Greenhouse
Church
Factory and production line
Warehouse and loading area
Exhibition
Hotel, Nursery room
Passageway
Airport
Train station

6. Specifications

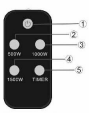
Model: PHW-1500CR

Voltage	AC120V~
Frequency	60Hz
Electric power(W)	1500W

7. Operating Instructions

7.1 Definitions of the Buttons on the Remote Control

The functions of the heater may be controlled via the buttons on your remote control and LED screen. You may also control some of the functions of your heater through the buttons on the front side of the heater.



Remote Control

1. On / Off
Switches on or off the heater or stands it by.
2. First gear
After turn on the heater, you can choose low heating.
3. Second gear
After turn on the heater, you can choose moderate heating.
4. Third gear
After turn on the heater, you can choose high heating.
5. Timer Off
Switches off the heater in present time and starts standby mode.

7.2 Operation of the Remote Control

1. Turn on the power, the buzzer on the products will beep once, the digital screen and the indicator is no show. At this time, press On / Off button to make it in standby mode.
2. Press the function button to choose the power level. P0 indicator appears on the screen, and the indicator flashes three times, indicating that the appliance is in standby mode. P1 indicator appears on the screen, and the indicator flashes three times, indicating that the appliance is in low-grade mode. Press the function button again to mid-grade, the buzzer will beep once, P2 indicator appears on the screen and the indicator flashes three times, indicating that the appliance is in mid-grade mode. Press the function button again to high-grade, the beeper will beep once, P3 indicator appears on the screen, and the indicator flashes three times, indicating that the appliance is in high-grade mode. Press the function button again, you can choose low, medium and high gear, P0 indicator appears on the screen and the indicator flashes three times, indicating that the appliance is in standby mode. Continuously press the function button, "P0 - P1 - P2 - P3 - P0" appears on the digital tube as a circulation , corresponding to the appliance mode is "Stand-by—Low grade—Mid-grade—High grade—Stand-by".
3. In standby mode, press the timer button, the appliance can set time from 1 to 24 hours. After set the time, the indicator next to the digital tube will light up, it means that the appliance has been selected timer function. "0" indicates time not set.
4. When the appliance is on working, the digital screen always shows the power state (P1-P2-P3). The timer setting, when the indicator lights up, it means that the machine has been set a timer function from 1 to 24 hours. To view the regular time, press the timer button, the appearing time is the present setting time, at this time the indicator also flashes three times continuously, indicating that the appliance enters into the timer setting state.

7.3 Manual Operation

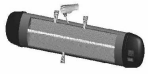
Control through the main module on the heater.
P0 indicator appears on the screen when the heater is switched on and it is in standby mode.
The 1st digit on the screen illustrates P symbol while 2nd digit illustrates power level mode from 1 to 3.
Press the button on the heater functions as ON / OFF. The heater starts operating at the power level mode at which it has been switched off.
Press the button on the heater to adjust power mode.
P0 appears on the screen when pressed ON / OFF button and the power level mode (P1; P2; P3) can be adjusted through the buttons on the remote control..
Press ON / OFF button on the remote control or the heater itself to switch off the heater.
The heater starts functioning in standby mode after electricity cut.
LED keeps flashing in case of a program set by remote control.
Buzzer signal is given following each command.

8. Cleaning and Maintenance Instructions

Maintenance

Attention! Careful and regular maintenance of Infrared Heater considering our instructions assume great importance so as to attain a long and efficient operation of your appliance.

1- Check the fittingness of the Reflector and IR-Filament at least once a month. If necessary, apply cleaning and maintenance instructions.
2- The number of checks may be increased considering the amount of the dust in the environment.
3- Check the deformation of the Reflector, Wire and Frame visually while cleaning the appliance. In case of any deformation, consult to your technical service.
4- Check the power cord and plug visually while cleaning the appliance. In case of any deformation, consult to your technical services.
5- It is recommended to change the reflector every 2 years for the purpose of more efficient operation of you appliance.



Cleaning

Attention! Regular and careful cleaning helps your heater operate for longer years and more efficiently.

1- Unplug your power cord for your safety before cleaning your appliance.
2- Take out the front grid wire through the inlets on the frame using a slotted screwdriver.
3- Make sure that the power is off for your safety. Power cord plug must be unplugged.
4- The reflector and filament must be cleaned with a soft cloth, a smooth brush or cool or dry air. The cloth may be damp but never too wet and the cleaner should not include any chemical.
5- Refrain from using cleaning material likely to damage the reflector (cleanser etc.).
6- Insert the wire grid using a slotted screwdriver.

9. Technical Service

Attention!
Only technical services and persons authorized by SUN may serve, repair and replace the spare parts of this heater.

Points to be considered before shipping the product to the technical service:

1- Make sure that the thermostat of your appliance is in "0"mode.
2- Make sure that the plug, to which the appliance is connected, has power, check the fuse and power cord. If the plug lacks power, consult to an electrician.
3- Make sure that the appliance has been installed in accordance with the instructions in the manual. If the installation is inaccurate, consult to technical service.

Call the dealer to get service

10. Terms of Warranty

Warranty does not cover the defects arising out of the improper use the appliance. The warranty does not cover the situations below:

1- The damages and defects arising out of improper use.
2- The damages and defects having occurred during the transportation after the delivery of the product to the customer by the company.
3- The damages and defects arising out of low or excessive voltage, ungrounded plug visage, faulty electricity systems, operating the appliance in different voltage values other than specified in the instructions.
4- The damages and defects arising out of fire and lightening.
5- The damages and defects arising out of repairs and maintenance by persons other than Authorized Services.
6- The defects arising out of the breach of the instructions in the manual.
7- The damages and defects arising out of the transportation of the product instead of repair.

Attention! Faulty maintenance and cleaning are not covered by the warranty.

1- The dust and polluters in the environment.
2- Damage in the reflector or filament due to faulty cleaning.
3- Faulty installation or dismantlement.
4- Operating with damaged filament, frame or power cord.

Above mentioned defects and services are not covered by the warranty.

Should this product be proven defective in workmanship or material, the consumer's sole remedies shall be such repair or replacement as provided by the terms of this warranty. Under no circumstances shall SUN be liable for any loss or damage, direct, consequential, or incidental, arising out of the use of or inability to use this product.

This warranty will be voided if the certificate of warranty lacks the stamp and signature of the supplier as well as the date of purchase.
This warranty will become void if the serial number (if applicable), model number identification, or brand have been wholly or partially removed or erased.
All products have CE/GS/EMC/ETL certificate.

This symbol on the product or its packaging indicates that the appliance cannot be treated as normal domestic trash, but must be handed in at a collection point for recycling electric and electronic appliances.
Your contribution to the correct disposal to the product protects the environment and the health of your fellow men. Health and the environment are endangered by incorrect disposal. Further information about recycling of this product can be obtained from your local town hall, your refuse collection service, or in the store at which you bought the product.

Thank you for purchasing this product! If you have questions about assembly or operation of this product, are missing parts, or if the product is damaged, please contact us via **Amazon Message** or call customer serve Phone: **213-4467172.**

IMPORTANT

Do not return this product to the store.
Simply call our customer service department for any questions or concerns:

213-4467172

(8:30am - 5:30pm P.S.T.)

DATED PROOF OF PURCHASE REQUIRED FOR WARRANTY SERVICE.

AVIS

Ne pas retourner ce produit au magasin.
Veuillez appeler le service à la clientèle pour toutes questions ou

213-4467172

(8:30am - 5:30pm P.S.T.)

PREUVE D'ACHAT ORIGINALE REQUISE POUR SERVICE DE GARANTIE.

IMPORTANTE

No devuelva este producto a la tienda.
Sólo hay que llamar nuestro departamento de servicio al cliente en caso de tener preguntas o inquietudes:

213-4467172

(8:30am - 5:30pm P.S.T.)

SE REQUIERE PRUEBA DE COMPRA CON FECHA PARA SERVICIO BAJO GARANTÍA.

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