

PTC FAN HEATER

USER MANUAL

MSHC23R6BB

Warning notices: Before using this product, please read this manual carefully and keep it for future reference. The design and specifications are subject to change without prior notice for product improvement. Consult with your dealer or manufacturer for details. The diagram above is just for reference. Please take the appearance of the actual product as the standard.

THANK YOU LETTER

Thank you for choosing Midea! Before using your new Midea product, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new appliance offers in a safe way.

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SAFETY INSTRUCTIONS

Intended Use

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the unit. Please check the packaging and unit on arrival to make sure everything is intact to ensure safe operation. If you find any damage, please contact the retailer or dealer. Please note modifications or alterations to the unit are not allowed for your safety concern. Unintended use may cause hazards and loss of warranty claims.

Explanation of Symbols

	Danger This symbol indicates that there are dangers to the life and health of persons due to extremely flammable gas.
	Warning of electrical voltage This symbol indicates that there is a danger to life and health of persons due to voltage.
	Warning The signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.
	Caution The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.
	Attention The signal word indicates important information (i.e. damage to property), but not danger.
	Observe instructions This symbol indicates that a service technician should only operate and maintain this unit in accordance with the operating instructions.

Read these operating instructions carefully and attentively before using/commissioning the unit and keep them in the immediate vicinity of the installation site or unit for later use!

Important Safeguards

READ ALL INSTRUCTIONS BEFORE USING THE HEATER

When using electrical heaters, basic precautions should always be followed to reduce the risk of fire, electric shock, injury to persons, and hyperthermia, including the following:

CAUTION

- Read all instructions before using heater.
- Extreme caution is necessary when any heater is used by or near children or invalids, and whenever the heater is left operating and unattended.
- **CAUTION:** This unit has a polarized plug (one blade is wider than the other). To reduce the risk of shock, this plug is intended to fit only one way in a polarized outlet. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. DO NOT attempt to defeat this safety feature. To do so could result in an electric shock hazard.
- **CAUTION:** It is normal for the plug to feel warm to the touch; however, a loose fit between the AC outlet (receptacle) and plug may cause overheating and distortion of the plug. Contact a qualified electrician to replace a loose or worn outlet.
- **CAUTION:** Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or reloadable power tap (outlet/power strip).
- **CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.
- **CAUTION:** Risk of fire-**Do Not** Operate without Legs (Base) Attached.
- This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the unit by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the unit.



WARNING

- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, always use handles when moving this heater. Keep combustible materials such as furniture, pillows, bedding, papers, clothes and curtains at least 3 feet (0.9m) from the front of the heater and keep them away from the sides and rear.
- 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. Discard heater or return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
- **Do not** use the heater outdoors.
- This heater is not intended for use in bathroom, laundry areas and similar moist indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- **Do not** run cord under carpeting. **Do not** cover cord with throw rugs, runners, or similar coverings. **Do not** route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- This heater draws 12.5 amps during operation. To prevent overloading a circuit, **do not** plug the heater into a circuit that already has other appliances working.
- To disconnect the heater, first turn controls to off, then remove plug from outlet. Never pull by the cord.
- **Do not** insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire or damage to the heater.
- 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 openings may become blocked.
- 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.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

- The output of this heater may vary and its temperature may become intense enough to burn exposed skin. Use of this heater is not recommended for persons with reduced sensitivity to heat or an inability to react to avoid burns.
- Hyperthermia can result in death. Symptoms of hyperthermia include high body temperature, headache, nausea, vomiting, tiredness, dizziness, fainting, and rapid pulse. If you begin to experience symptoms related to hyperthermia, turn off the heater and seek medical attention.
- To avoid excessive room temperatures which can cause hyperthermia: **DO NOT** leave product running unattended in a confined space around infants, or individuals with reduced physical, sensory, or mental capabilities.

SAVE THESE INSTRUCTIONS

SPECIFICATIONS

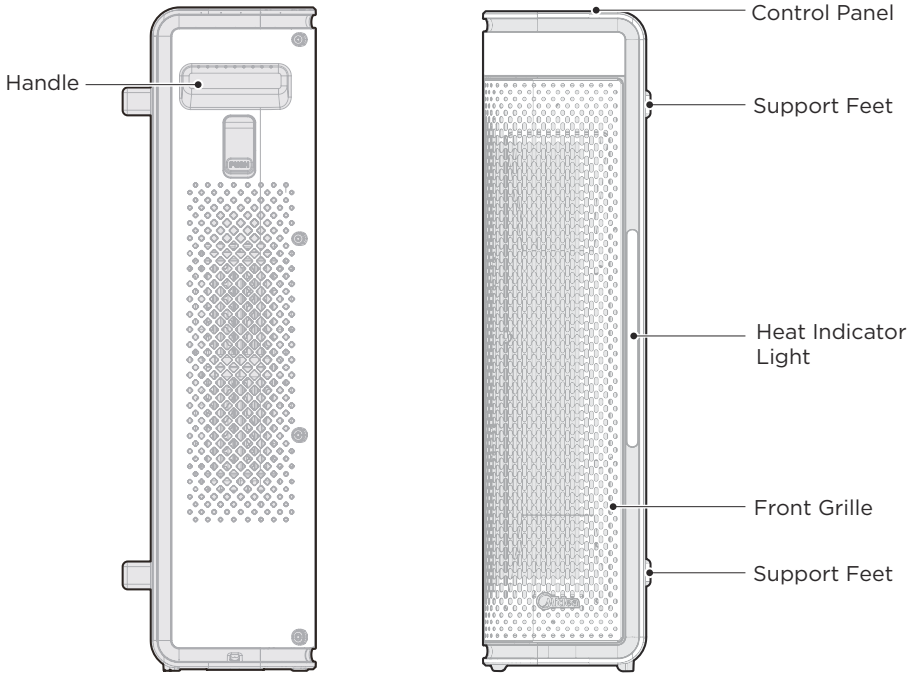
Product Model	MSHC23R6BB
Voltage	120V-
Frequency	60Hz
Power	1500W

Power Regulation Range		
Low	Medium	High
720W	900W	1500W
Low OSC	Medium OSC	High OSC
720W	900W	1500W



PRODUCT OVERVIEW

Component Name



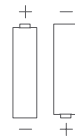
Accessories



User Manual x1



Remote Control x1



Battery x2

NOTE

All the pictures in this manual are for explanation purposes only. Any discrepancy between the real object and the illustration in the drawing shall be subject to the real model.

OPERATING INSTRUCTIONS

Check Before Turning on the Machine

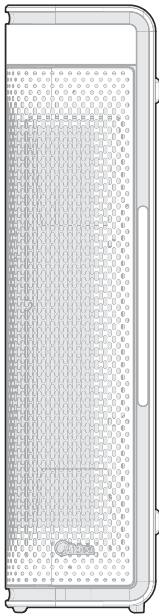
1. Check for any damage to the power cord.
2. Before connecting the heater to the power source, ensure the heater is positioned on a stable, flat, and even surface, clear of any obstacles.
3. The product uses a 120V AC power supply, before use, please confirm if the rated current of the receptacle meets the local requirements as a safe grounding device, otherwise, please replace it with the qualified receptacle.

Vertical and Horizontal Use

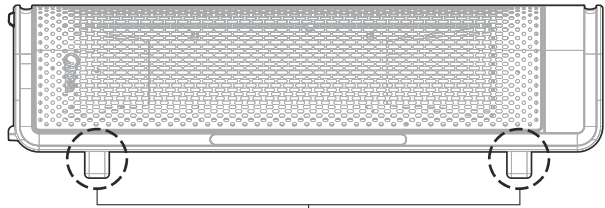
1. This product can be placed vertically or horizontally. Simply choose the orientation that works best for your needs.

Figure 1

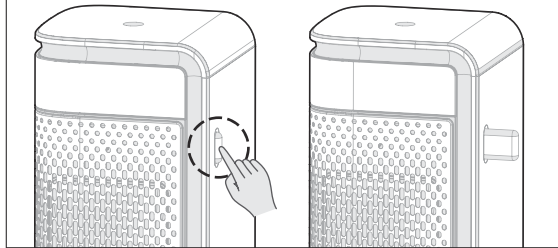
Vertical Orientation



Horizontal Orientation



To use the device in a horizontal position, press the two support feet to pop them out. To return the device to a vertical position, press the feet again to retract them.

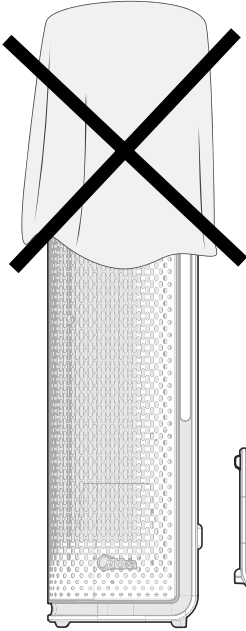


CAUTION

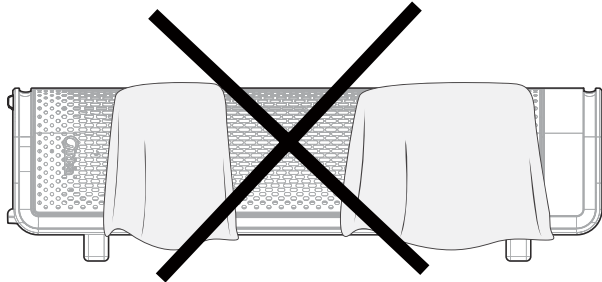
Please extend the support legs when using the heater in Horizontal Mode, otherwise it will not output warm air properly.

Figure 2

⚠ WARNING
Do not cover the heater.



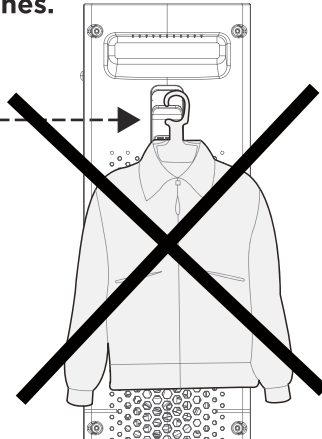
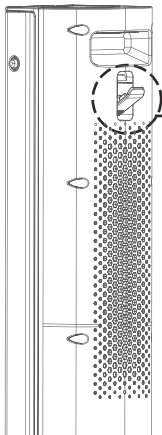
Vertical Orientation



Horizontal Orientation

Figure 3

⚠ WARNING
Do not hang clothes.

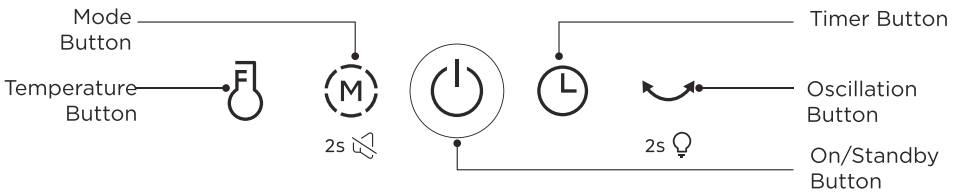


Display Area Indicators










Indicators	Description	Light Status
	<ul style="list-style-type: none"> Temperature/Timer/Mode Display 	<ul style="list-style-type: none"> Solid White
	<ul style="list-style-type: none"> ECO Mode Enabled Fahrenheit units Enabled 	<ul style="list-style-type: none"> Solid White
	<ul style="list-style-type: none"> Oscillation Enabled 	<ul style="list-style-type: none"> Solid White
	<ul style="list-style-type: none"> Power Status - ON 	<ul style="list-style-type: none"> Solid Red
	<ul style="list-style-type: none"> Timer Enabled 	<ul style="list-style-type: none"> Solid White

Operation Area Buttons



Button	Function description
 Temperature Button	<ul style="list-style-type: none"> In ECO mode, press to set temperature range from 41-95°F.
 2s Mode Button	<ul style="list-style-type: none"> Press the “” button repeatedly to cycle through the different modes: H1 → H2 → H3 → ECO → C1 → H1 → ... cycling through the modes. C1 : Fan Only ECO : display “” along with the temperature setting. Press “” to adjust the temperature, with a range of 41-95°F. H1: Low Heat H2: Medium Heat H3: High Heat Press and hold for 2 seconds to mute/unmute.

Button	Function description
 On/Standby Button	<ul style="list-style-type: none"> Plug the unit into a grounded 120V~ outlet, press the “” button (or press the “” button of the remote) to power the unit on. The heater will default to H3, use “” to cycle through the different modes.
 Timer Button	<ul style="list-style-type: none"> Press and hold for 2 seconds to cycle through timer settings: 0h → 1h → 2h → ... → 24h. After the timer is set, press and hold for 2s to cancel timer function.
 2s  Oscillation Button	<ul style="list-style-type: none"> Press to turn the oscillation on/off. Press and hold for 2 seconds to turn the ambient light on/off.

Additional Functions

Forced Shutdown Function

If the unit keeps running for 24 hours without any operation, it will automatically shut down.

Temperature Sensor Short Circuit, Open Circuit Protection Function

The heater will display “E2” or “E1” error code if the temperature sensor detects a short circuit or open circuit.

Safety Protection

If the room temperature (TH) exceeds 122°F, the heater will shut down with error code “FF” display, flashing once per second for 75 times. Unplug the unit, then plug in again to reset.

Tip-over Switch

For safety, the heater will show the error code “P4” if it is tipped over or not positioned correctly in the following situations:

1. Retracted support feet: “P4” will appear if the heater is not placed upright.
2. Extended support feet: “P4” will appear if the heater is not placed upright or is not level on the side with the support feet.

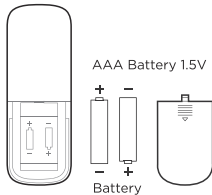
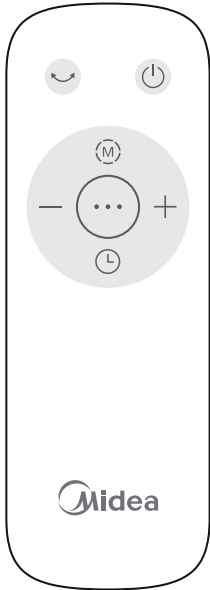
To resolve this, simply set the heater upright and turn it back on.

Select ECO mode and set the temperature to your desired comfort

The heater will adjust its heating power by comparison between the room temperature and set temperature. If the heater turns off frequently, please raise the set temperature for longer heating.

Remote Controller







- Use of the remote control. Please refer to the control panel and display section for the key functions of the remote control.
- The remote control can be used within 15 ft from the front of the product.



Includes Remote Control
(2xAAA batteries included)

[Note]

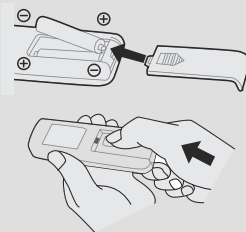
- Please use a manganese or alkaline battery of type "AAA" and do not use a non-recyclable battery.
- Do not mix new batteries with old.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc.) batteries.

Button	Function Description
 On/Standby	<ul style="list-style-type: none"> • Press to power On/Off.
 Decrease	<ul style="list-style-type: none"> • Decrease temperature and timer.
 Increase	<ul style="list-style-type: none"> • Increase temperature and timer.
 Oscillation	<ul style="list-style-type: none"> • Press to turn oscillation on/off.
 Timer	<ul style="list-style-type: none"> • Press this button to set 1-24 hours schedule off.
 Mode	<ul style="list-style-type: none"> • Press repeatedly to cycle through modes: H1 - H2 - H3 - ECO - C1 - H1 ...

Battery Installation

Figure 2

- Slide the battery compartment cover.
- Insert the batteries, and make sure that the batteries are placed as shown in the Figure 2.
- Slide back the battery cover.



CLEANING AND MAINTENANCE

It is recommended to clean the heater at least once during the operating season to maintain optimal performance.

ALWAYS TURN OFF THE POWER SWITCH AND UNPLUG THE HEATER BEFORE CLEANING.

Keep the box for off-season storage.

- Turn the heater “OFF”, unplug it and wait for the heater to cool down.
- Use a dry cloth to clean only external surfaces of the heater.
- Do not use any cleaning agents or detergents.
- Never immerse the heater in water.
- Pack the heater in the original carton and store it in a cool and dry place.
- Any other maintenance shall be performed by an authorized service agent.

WARNING

This heater cannot achieve accurate temperature control of the environment, and thus cannot be used as an insulation device for storage environment, items, animals and plants.


TROUBLESHOOTING

Operation of your unit can lead to errors and malfunctions. The following tables contain possible causes and notes for resolving an error message or malfunction. It is recommended to read the table below carefully in order to save your time and money that may cost for calling to the service center.

Problem	Cause	Solution
After the power is engaged, the machine does not work.	<ul style="list-style-type: none">• The plug may not be properly inserted into the receptacle.	Check whether the plug is properly inserted into the receptacle.
The machine suddenly stops during heating.	<ul style="list-style-type: none">• The temperature exceeds the threshold of the thermal cut-off.	Make sure the unit is powered-off and unplug. After the product has cooled, reinsert the plug into the receptacle and power-on.



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All the described functions and instructions were up to date at the time of printing this manual. However, the actual product may vary due to improved functions and designs.

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For the provision of the services agreed with the customer, we agree to comply without restriction with all stipulations of applicable data protection law, in line with agreed countries within which services to the customer will be delivered, as well as, where applicable, the EU General Data Protection Regulation (GDPR).

Generally, our data processing is to fulfil our obligation under contract with you and for product safety reasons, to safeguard your rights in connection with warranty and product registration questions. In some cases, but only if appropriate data protection is ensured, personal data might be transferred to recipients located outside of the European Economic Area.

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