

# Multi-Panel Energy Efficient Silent Heater



## **OWNER'S MANUAL**

*Read and save these instructions.*

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For questions regarding your product, please contact us at:

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**Email:** [support@newair.com](mailto:support@newair.com)  
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Alternatively, we recommend you attach a copy of your sales receipt below and record the following information, located on the manufacturer's nameplate on the rear of the unit. You will need this information if it becomes necessary to contact the manufacturer for service inquiries.

**Date of Purchase:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Model Number:** \_\_\_\_\_

# READ AND SAVE THESE INSTRUCTIONS.

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## SPECIFICATIONS

<b>MODEL NO.</b>	AH-450B
<b>VOLTAGE:</b>	120V
<b>CURRENT:</b>	12.5A
<b>POWER CONSUMPTION:</b>	HI=1500W; LO=900W
<b>HEAT OUTPUT:</b>	5120 BTUs

## BEFORE FIRST USE

- Read and follow all the instructions below even if you feel you are familiar with the appliance.
- Remove the packing and make sure that the appliance is intact. If in doubt do not use the appliance and contact the place of purchase.
- Do not leave packaging materials such as bags and staples within reach of children.
- Dispose of packaging carefully and with consideration for the environment.
- It is ideal to retain the appliance carton for seasonal storage.
- For your convenience, record the date you received the appliance on the warranty page of these instructions, and attach your proof of purchase. Retain this information in the event that warranty service is required.

## IMPORTANT INSTRUCTIONS



When using any electrical appliance, basic safety precautions must be followed in order to reduce the risk of fire, electrical shock and/or injury to persons or property. Be sure to read all instructions before using this appliance and observe the following safety tips:

- This heater is hot when in use. To avoid burns, do not let bare skin touch the hot surface. 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 (0.9 m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids, and whenever the heater is left operating and unattended.
- Always unplug the heater when not in use.
- Do not operate the heater with a damaged cord or plug, if the heater malfunctions, or has been dropped or damaged in any manner. 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 bathrooms, laundry areas and similar humid 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.



**CAUTION:** This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician.

- This heater draws 12.5 A during operation. To prevent overloading a circuit, do not plug the heater into a circuit that already has other appliances working.



**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.

- To disconnect the heater, first turn controls to the OFF position, then remove the plug from the outlet. Never pull by the cord.
- No object should be inserted into any part of the heater at any time.
- 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 parts inside. Do not use it in the 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.



**CAUTION:** Always plug heaters directly into a wall outlet/ receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

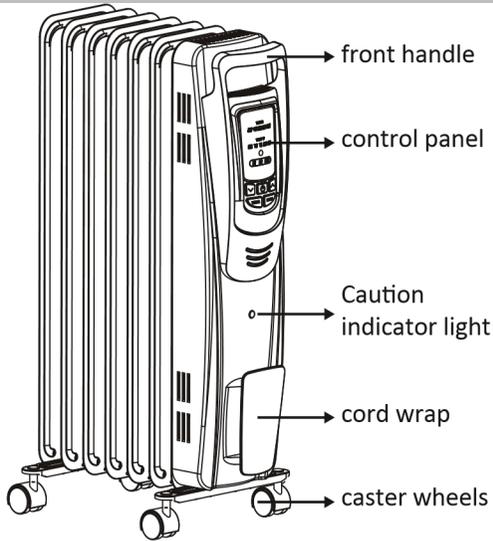
- The output of this heater may vary and its temperature may become intense enough to burn exposed skin. Use of this heater is not recommended for persons with reduced sensitivity to heat or an inability to react to avoid burns.
- Before using the unit, check if the voltage indicated corresponds with the intended outlet (120V).
- This heater may include a visual alarm to warn that parts of the heater are getting excessively hot. If the alarm flashes, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may cause high temperatures. DO NOT OPERATE THE HEATER WITH THE ALARM FLASHING.

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## SAVE THESE INSTRUCTIONS

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## PARTS LIST



## ASSEMBLY INSTRUCTIONS

Unpack your heater and find the wheel-holding plate and butterfly nuts between the fins assemblies.

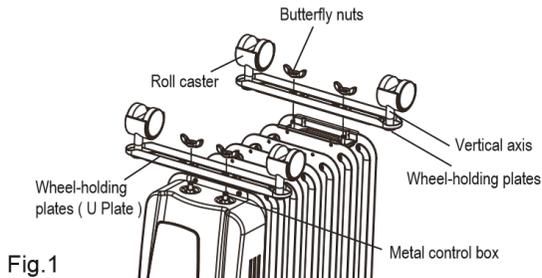


Fig.1

1. Make sure the heater is unplugged and in the "OFF" position.
2. Turn the heater upside down.
3. Attach the wheel-holding plates onto the heater as Fig.1 shows. The U plate is fixed between the last two fins and the other one is fixed under the metal control box. Fix the castors to the vertical axis of both the wheel holding plates.
4. Insert the butterfly nuts and tighten them securely.

5. Turn the heater upright.

Your heater is now ready to use

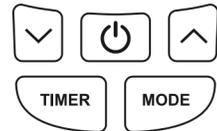
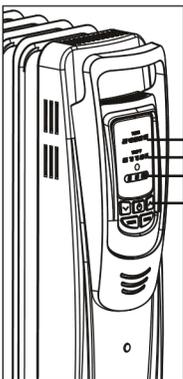


**WARNING:** Risk of fire. Do not operate heater without wheel assemblies attached. Operate heater in upright position only (wheels on bottom, controls on top).

Ensure that the surface beneath the heater is clean and free of any obstructions. It is not recommended that this heater be placed on high-pile carpeting or any other surface that impedes the flow of air underneath the heater.

This heater includes a visual alarm to warn that parts of the heater are getting excessively hot. If the alarm flashes, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may cause high temperatures. **DO NOT OPERATE THE HEATER WITH THE ALARM FLASHING.**

## OPERATING INSTRUCTIONS



∨ : Temperature decrease

⏻ : ON/OFF button

∧ : Temperature increase

**TIMER** : Timer button

**MODE** : Mode button

## Control Panel Functions

<b>A</b> Timer Display	<b>B</b> Temperature Display
<b>C</b> Mode Display	<b>D</b> Function Button

1. Check that neither the appliance nor the power cable has been damaged in any way during transportation when first using the heater.
2. Place the heater on a firm level surface, at least 3' (0.9 m) away from any wall and any other objects such as furniture, curtains, plants or combustible material.
3. Plug into standard 120 V AC, 60 Hz source.



**IMPORTANT:** Your heater is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your outlet.

4. Heat setting  
Turn on the power switch and press the ON/OFF  button to turn on the heater.  
Press MODE button to select the heat setting.  
Press ON/OFF  button again, the LED will turn off and the heater will stop working. When the heater is turned on, press the MODE button to select appropriate setting which is shown in the LED as follows:  
HI: Heater operates at a higher wattage, approximately 1500W.  
LO: Heater operates at a medium wattage, approximately 900W.  
ECO: Heater operates at eco mode, alternating between HI and LO settings based on the desired temperature.
5. Temperature setting (65°F-85°F).  
When the heater is in operation press the  (Temperature Increase) or  (Temperature Decrease) button to raise or lower the set temperature. The heater will automatically set the temperature to 85°F if the temperature is not set within 2 minutes after turning on the heater.
6. Timer setting
  - A. Setting the timer to turn on the heater.  
When the heater is in stand-by mode (unit is plugged in but not operating), press the TIMER button to set the time at which the heater will turn on. The "2H" icon will be displayed on the control panel to

indicate that the heater will turn on after 2 hours. Press the timer button repeatedly to automatically turn on the heater at any desired hour set in a sequence of 2-4-6-8-10. The timer is adjustable up to 10 hours with an interval rate of 2 hours.

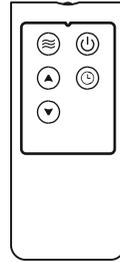
B. Setting the timer to turn off the heater.

Press the timer button once when the heater is in operation. The “2H” icon will be displayed on the control panel to indicate that the heater will turn off in 2 hours. Press the timer button repeatedly to automatically turn off the heater with a selected number of hours in a sequence of 2-4-6-8-10. The timer is adjustable up to 10 hours with an interval rate of 2 hours. Timer will be cancelled if you press the TIMER button when it is set to the maximum hour.

## USING THE REMOTE CONTROL

There are 5 keys that have the following functions:

-  Press this key to select the heat setting
-  Temperature increase
-  Temperature decrease
-  Press to switch the heater on, press again to switch off
-  Press this key repeatedly to set the timer



**CAUTION: Please dispose or recycle the battery according to municipal or provincial laws.**

## SAFETY FEATURES

If the heater shuts down:

1. Turn off and unplug the heater.
2. Wait for at least 10 minutes until the heater cools.
3. Plug the heater in to the power outlet and then turn it on.

This heater includes a safety tip-over protection feature which will shut the heater off in case it is tipped over. If, at any time, the heater does tip over, please put the heater back in the upright position (wheels on bottom, controls on top). The heater will resume its normal operation.

**CAUTION:** This heater includes an Overheat Protection System that shuts the unit off if it overheats due to abnormal conditions. At this time, the “C” Caution Indicator Light turns on. If this occurs turn the heater “OFF”, unplug it, and inspect and remove any objects on or adjacent to the heater. Allow it to cool for a few minutes, plug it back in, and resume normal operation.

## CLEANING & STORAGE

It is recommended that the heater be cleaned at least once during the operating season in order to provide the optimum level of performance. Always turn the power switch off and unplug the heater before cleaning. Be sure to save the box for off-season storage.

1. Turn the heater off, unplug it and wait for the heater to cool down.
2. Use a dry cloth to clean only the external surfaces of the heater.
3. Do not use any cleaning agents or detergents.
4. Never immerse the heater in water.
5. Pack the heater in the original carton and store it in a cool and dry place.

## TROUBLESHOOTING

Problem	Possible Causes	Solution
<b>Your heater shuts off unexpectedly or fails to operate.</b>	There is no power.	Be sure it is plugged in and that the electrical outlet is working.
	The set temperature is lower than the current room temperature.	Set the desired temperature higher than the current temperature to restart the heater.
	The room temperature has reached the temperature set at the thermostat.	This is normal. The heater will restart once room temperature is lower than set temperature.

<b>The room is not hot enough.</b>	One of the safety protection devices was activated to prevent overheating.	Place the heater in upright position and check for any obstructions. If you find an obstruction, turn the heater off. Unplug the heater and wait at least 10 minutes for it to cool down. Carefully remove the obstruction. Plug the heater in and restart it as described in the OPERATING INSTRUCTIONS section. If you still notice the same problem, remove the plug from the outlet and contact the NewAir Customer Support Department.
	The room is too large or a window is open.	Close the window. Turn on the main heat source of the room and possibly use more portable heaters.
	The set temperature or power setting is too low.	Increase the temperature or power setting.

## LIMITED MANUFACTURER'S WARRANTY

This appliance is covered by a limited manufacturer's warranty. For one year from the original date of purchase, the manufacturer will repair or replace any parts of this appliance that prove to be defective in materials and workmanship, provided the appliance has been used under normal operating conditions as intended by the manufacturer.

### **Warranty Terms:**

During the first year, any components of this appliance found to be defective due to materials or workmanship will be repaired or replaced, at the manufacturer's discretion, at no charge to the original purchaser. The purchaser will be responsible for any removal or transportation costs.

### **Warranty Exclusions:**

The warranty will not apply if damage is caused by any of the following:

- Power failure
- Damage in transit or when moving the appliance
- Improper power supply such as low voltage, defective household wiring or inadequate fuses
- Accident, alteration, misuse or abuse of the appliance such as using non-approved accessories, inadequate air circulation in the room or abnormal operating conditions (extreme temperatures)
- Use in commercial or industrial applications
- Fire, water damage, theft, war, riot, hostility or acts of God such as hurricanes, floods, etc.
- Use of force or damage caused by external influences
- Partially or completely dismantled appliances
- Excess wear and tear by the user

### **Obtaining Service:**

When making a warranty claim, please have the original bill of purchase with purchase date available. Once confirmed that your appliance is eligible for warranty service, all repairs will be performed by a NewAir™ authorized repair facility. The purchaser will be responsible for any removal or transportation costs. Replacement parts and/or units will be new, re-manufactured or refurbished and is subject to the manufacturer's discretion. For technical support and warranty service, please email [support@newairusa.com](mailto:support@newairusa.com)

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