



BIONAIRE[®]

digital TwinHeat™
CERAMIC
heater
BCH3230

Read instructions before operating. Retain for future reference.

Instruction Leaflet

BIONAIRE[®]

 **INFO-LINE**

If after having read this leaflet, you have any
questions or comments on your heater,
call **1-800-788-5350** in North America.

428-0769

PLEASE READ AND SAVE THESE IMPORTANT SAFEGUARDS.

IMPORTANT INSTRUCTIONS

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

1. Read all instructions before using the appliance.
2. To avoid fire or shock hazard, plug the appliance directly into a 120V AC electrical outlet.
3. The heater is hot when in use. To avoid burns, **DO NOT** let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 ft (0.9 m) from the front of the heater and keep them away from the sides and rear.
4. **DO NOT** run cord under carpeting. **DO NOT** cover cord with throw rugs, runners, or the like. Arrange cord away from traffic area and where it will not be tripped over.
5. This heater is not intended for use in bathrooms, laundry areas and similar indoor location. **NEVER** locate heater where it may fall into a bathtub or other water container.
6. Extreme caution is necessary when any heater is used by, or near, children or disabled persons, and whenever the heater is left operating and unattended.
7. **DO NOT** insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
8. **DO NOT** operate heater with a damaged cord or plug, or after the heater malfunctions, has been dropped or damaged in any manner. Return appliance to manufacturer for examination, electrical or mechanical adjustment, or repair.
9. 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.

10. Use appliance only for intended household use as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons. The use of attachments not recommended or sold by Bonaire® may cause hazards.
11. DO NOT use outdoors.
12. 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.
13. To disconnect heater, set controls to OFF, then remove plug from outlet.
14. 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 No. 14 AWG minimum size and rated not less than 1875 watts.
15. Always unplug the heater when not in use.
16. Discontinue use if plug outlet is hot. The manufacturer recommends outlet be replaced if plug or outlet is hot to touch.

PLEASE SAVE THESE INSTRUCTIONS.



CONSUMER SAFETY INFORMATION

THIS PRODUCT IS EQUIPPED WITH A POLARIZED AC (Alternating Current) PLUG (a plug having one blade wider than the other).

This plug will fit into the power outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact qualified personnel to install the proper outlet.

DO NOT DEFEAT THE SAFETY PURPOSE OF THIS POLARIZED PLUG IN ANY WAY.

The length of the cord used on this product was selected to reduce the hazards of becoming tangled in, or tripping over a longer cord. If a longer cord is necessary an

approved extension cord may be used. The electrical rating of the extension cord must be equal to or greater than the rating of the heater. Care must be taken to arrange the extension cord where it cannot be pulled on by children or accidentally tripped over.

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

AUTO SHUT-OFF

This heater is equipped with a patented, technologically-advanced safety system that requires the user to reset the heater if there is a potential overheat situation. When a potential overheat temperature is reached, the system will automatically shut the heater off. It can only resume operation when the user resets the unit.

To Reset the Heater:

1. Unplug the heater and wait 10 minutes for the unit to cool down.
2. After the 10 minutes, plug the unit in again and operate normally.

PRE-OPERATING INSTRUCTIONS

1. Carefully remove your heater from the box. (please save the carton for off-season storage).
2. Place heater on firm level surface.
3. Avoid overloading your circuit by not using other high wattage appliances in the same outlet. At 1500 Watts, this unit draws 12.5 Amps.

Note: The power light will remain lit during operation.

FIRST USE ONLY:

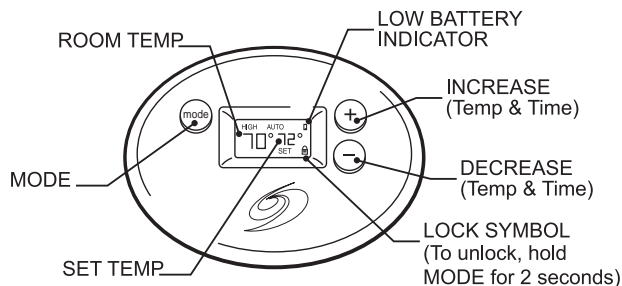
1. Put batteries into Remote. The "Room" temperature is displayed at all times. (Use 3 AAA Alkaline batteries only, do not mix batteries)
2. Plug unit into outlet. The first time the unit is plugged in, it will beep every two seconds until it is synced with the remote. To sync unit with remote follow the below steps:
Unlock remote. (This must be done before each use of

the remote) To Unlock remote, hold down the mode button for 2 seconds until the lock symbol disappears from the screen. Once the remote is unlocked, press the mode button again and the unit will quickly beep 5 times telling the user the signal was received.

DO NOT SYNC more than 1 unit at once. A hazardous situation may occur.

Note: If the batteries are running low on power, a low battery indicator will appear on the remote. Low batteries will affect transmission distance and the screen contrast. The manufacturer recommends replacing batteries immediately.

Figure 1



Note: The maximum transmission distance for this remote is 30 ft. Do not use remote more than 30 ft from appliance. Remote must be used in same room as appliance.

Note: Galileo™ can be used in either Fahrenheit or Celsius. To change the reading on the remote, flip the remote over and push the button located on the right hand side under the stand with a ball point pen tip. This switch will change the reading from F to C and vice versa.

Note: Every minute while in Auto mode, the Galileo™ communicates with the base unit. If the Galileo™ goes out of range and/or has low batteries, the communication will stop, and after 8 minutes of non-communication the unit will shut off.

MANUAL OPERATION WITH REMOTE

1. Press Mode button on the remote. "Low" illuminates on remote screen indicating mode. The power light on the unit will turn on. The unit turns on and operates in "Low" mode. The unit's "Low" light will illuminate. In this mode, the unit will continuously run at its low

wattage.

2. Press Mode button on remote a second time.

The remote screen will now display "High" (1500 Watts). The unit's "High" light will illuminate and the unit will run in this mode. In this mode the unit will continuously run at 1500 Watts.

Note: While using the remote, the backlight function will turn on when any button is pushed and will turn off after 10 seconds of non-use.

Note: Do not cover remote while in use, this may affect the accuracy of the temperature reading.

Note: Do not place remote under lamps as the radiant heat from the lamp may affect the accuracy of the thermostat.

Note: Do not place remote on control panel while in use. This may affect the temperature reading.

Note: Because heat rises, and the Galileo™ remote senses temperature, Bionaire® recommends that you do not locate the Galileo™ remote higher than 4ft from the ground. By locating the Galileo™ more than 4ft from the ground, you will get a less accurate temperature reading than under normal circumstances.

THERMOSTAT OPERATION WITH REMOTE

1. Press Mode button on remote until the remote screen displays "Auto" and "low". The "Set" temperature is displayed next to the "Room" temp. The unit will cycle on and off to maintain the "Set" temperature. The default room temp = 72°F/22°C. In this mode the unit will run to maintain the "Set" temperature.
2. Press Mode button on remote again. The remote screen displays "Auto" and "high". The "Set" temperature is displayed next to the "Room" temp. The "Auto" light on unit stays illuminated. The unit will cycle on and off to maintain the "Set" temperature at high wattage (1500 Watts).
3. To turn unit "Off", press the Mode button and the LCD will go blank (except for the "Room" temperature display which is always displayed while batteries are in the remote) and the unit will shut off.

Note: It is normal for the heater to cycle on and off as it maintains the preset temperature. To prevent the unit from

cycling, you need to raise the thermostat setting.

ADJUSTING SET TEMP:

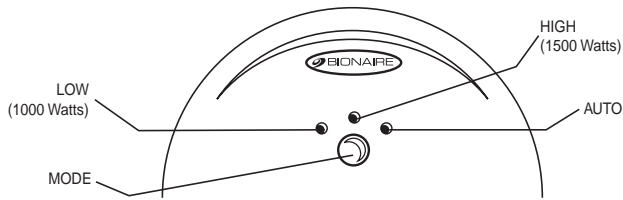
1. When in "Auto" mode, press the (+) button on the remote. The "Set" number will increase with each press. Hold the button down to scroll. The minimum temp is 55°F/13°C and the maximum is 85°F/29°C. The unit scrolls one digit at a time in a continuous loop. 55°, 56°..., 84°, 85°, 55°, 56°....
2. When in "Auto" mode, press the (-) button on the remote to decrease the "Set" temperature. The unit scrolls one digit at a time in a continuous loop.

UNIT OPERATION WITHOUT REMOTE

A. Remote and Unit are OFF:

1. Press the Mode button on the unit the first time. The "Low" light illuminates and the unit runs in "Low" mode.

Figure 2



The power light turns on.

2. Press the Mode button a second time to run in "High" mode (1500 Watts).
3. Press the Mode button a third time and the unit shuts off.

Note: The "auto" light only illuminates when the unit is set to "auto" mode by the remote.

B. Remote is ON and Unit is ON:

1. Press the Mode button on the unit. The unit will then switch "Modes"; either from "Low" to "High" or "High" to "Off". The unit's lights will reflect the change. The Remote will display a different mode – the mode in which it was left. If a button is pressed on the Remote, the Remote's signal will override the "Mode" on the unit and the two will be back in sync.

TIMER FUNCTION:

To turn unit off while remote and unit are on (in low, high, auto state).

- 1) Hold mode button for 2 seconds to unlock remote.
- 2) Push + and - together.
 - 2.1) "timer" turns on. 1 Hr appears on the screen.
- 3) Push + or - to adjust the number of hours the unit will run before it automatically shuts itself off.
 - 3.1) you can choose from; 1 to 8 hours
 - 3.2) 1 through 8 will scroll in a continuous loop
- 4) After you have made your selection, the whole screen flashes for 5 seconds after last button push of + or - then goes back to previous mode
 - 4.1) "timer" remains lit to show the timer function has been set.
- 5) At any time if you unlock the remote and push the mode button to turn the unit off the timer setting will be erased and "timer" will disappear from the remote.

- 6.) To check how much time is remaining, press and hold the + and - buttons simultaneously.

To turn unit on while remote and unit are off (only ambient temp is displayed on remote).

This function is meant for a person to preheat a room by setting the timer. For Example: It's 8 am, and you want to come home to a warm room at 8 pm. To accomplish this, place the unit in the desired room and set the timer to turn the unit on in 12 hours. Once the timer is activated the unit will run for a preset time of 2 hours. The digital thermostat will maintain the room temperature at a default of 72°F/22°C.

- 1) Hold mode button for 2 seconds to unlock remote.
- 2) DO NOT push mode again as this will turn unit on.
- 3) Push + and - together.
 - 3.1) Unit remains off.
 - 3.2) "timer" and "auto - high" turns on and flashes on the remote, and 1 Hr appears on the screen
- 4) Push + or - to adjust the number of hours that will pass before it turns itself on.


- 4.1) you can choose from 1 to 16 hours
- 4.2) 1 through 16 will scroll in a continuous loop
- 5) The whole screen flashes for 5 seconds after last button push of + or - then goes back to previous mode
 - 5.1) "timer" and "auto - high" remain lit to show the timer function has been set.
 - 5.2) The timer will turn the unit on and run for 2 hrs then shut off and maintain the room in auto - high at the default of 72°/22°C. After these 2 hours, the unit will shut off.
- 6) At any time if you unlock the remote and push the mode button on the remote the timer setting will be erased and "timer" will disappear from the screen.
- 7) To check how much time is remaining, press and hold the + and - buttons simultaneously.

CLEANING/MAINTENANCE

During Season Care:

1. Always unplug the heater before cleaning
2. Clean the unit with a soft cloth moistened with a mild soap solution.
3. NEVER use abrasive or flammable solvents to clean the unit.
4. After cleaning, be sure to completely dry the unit with a cloth or towel.

After Season Care:

1. Store heater in a cool, dry location
 2. The manufacturer recommends that you store the unit in its original carton.
-  **TIP:** Over time, dust may accumulate on the front grills. This can be removed by wiping the unit with a damp cloth. Always unplug unit and allow to cool prior to cleaning.

TROUBLESHOOTING


If your heater fails to operate:

- UNPLUG THE UNIT
- Make sure the electrical outlet or circuit breaker is working.

- Check for obstructions. If you find an obstruction turn the heater OFF, and unplug the unit. Carefully remove the obstruction and follow the reset instructions.
- The temperature may be set too low. Adjust the thermostat until the heater restarts.

Please DO NOT attempt to open or repair the heater. Please see the Warranty for Service Instructions.

HEATER SERVICE INSTRUCTIONS

1. Do NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void the warranty. The inside of the unit contains no user serviceable parts. All servicing should be performed by qualified personnel only.
2. If you need to exchange the unit, please return it in its original carton, with a sales receipt, to the store where you purchased it. If you are returning the unit more than 30 days after the date of purchase, please see the enclosed warranty.
3. For service information please call **1-800-788-5350** or visit our website at **www.bionaire.com**.
4.  If you have any other questions or comments, feel free to write to us:

 BIONAIRE

The Holmes Group, Inc.
Consumer Service Department
32B Spur Drive
El Paso, TX 79906

WARRANTY

Bionaire® warrants to the first retail purchaser, for TWO (2) YEARS from the date of original purchase, either to repair or replace at its option, without charge (parts and labor), any supplied or manufactured part of this heater which, upon inspection by an authorized service center, proves to have failed in normal use due to defects in material or workmanship, or at its option, to replace the unit.

Operation under conditions other than those recommended or at voltages other than the voltage indicated on the unit, or any attempts by unauthorized personnel to service the unit or modify it, will render the guarantee void.

Bionaire® shall not be liable for any personal injury, property damage or any incidental or consequential damages of any kind (including water damage), resulting from defects, malfunctions, misuse, improper installation or alteration of the product.

BIONAIRE® EXPRESSLY DISCLAIMS ALL RESPONSIBILITY FOR CONSEQUENTIAL DAMAGES OR INCIDENTAL LOSSES CAUSED BY USE OF THIS PRODUCT.

The provisions of this Warranty are in addition to, and not a modification of, or subtraction from the statutory warranties and other rights and remedies contained in any applicable legislation and to the extent that any such provision purports to disclaim, exclude or limit any such statutory warranties or other rights or remedies, such provisions shall be deemed to be amended to the extent necessary to comply therewith.

For Warranty Service, please call 1-800-788-5350 in North America.

A Bionaire® consumer service representative will help determine which is the best procedure in order for your heater to be repaired.

KEEP THIS NUMBER FOR FUTURE REFERENCE.

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