Read instructions before operating. Retain for future reference.

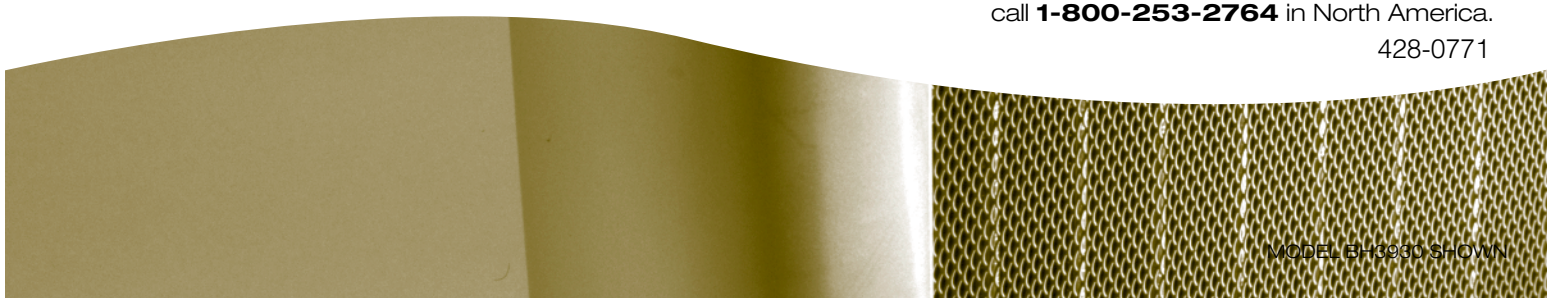
Instruction Leaflet

BIONAIRE®

☎ INFO-LINE

If after having read this leaflet, you have any questions or comments on your heater, call **1-800-253-2764** in North America.

428-0771



⚠ HEATER SAFETY

PLEASE READ AND SAVE THESE IMPORTANT SAFEGUARDS.

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:

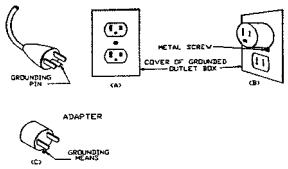
1. Read all instructions before using the appliance.
2. To avoid fire or shock hazard, plug the appliance directly into a 120V AC electrical outlet.
3. The heater is hot when in use. To avoid burns, DO NOT let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible 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 invalids, 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 Bionaire® 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. We recommend outlet be replaced if plug or outlet is hot to touch.

PLEASE SAVE THESE INSTRUCTIONS.

CONSUMER SAFETY INFORMATION

To avoid an electrical circuit overload, do not operate another high wattage product on the same circuit with the heater. This appliance is equipped with a grounded type 3-wire cord (3-prong plug). This type of plug will only fit into an electrical outlet made for a 3-prong plug. This is a safety feature intended to help reduce the risk of electrical shock. If the plug should fail to fit, contact a qualified electrician to replace the obsolete outlet.



DO NOT DEFEAT THE SAFETY PURPOSE OF THIS GROUNDED 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 Part15 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.

HOW YOUR BIONAIRE® CONSOLE HEATER WORKS

Your Bionaire® heater uses natural convection heat to draw cool air in and exhale warm air without the use of a fan. Within this unit are heat-panel filaments that get warm in a matter of seconds and hold their temperature evenly. The air surrounding these filaments heats up, rises, and flows out into the room. Cooler air is then drawn in to replace the warm air and the process continues like a revolving door. Because there is no fan, there is almost no noise.

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

ASSEMBLY INSTRUCTIONS
Wheel Assembly

Tools required for assembly: Phillips head screwdriver

Carefully unpack your Bionaire® heater from the box (it is recommended to save the box for off-season storage). You will find the following pieces:

1. Four casters (wheels) 2. Four screws 3. Two caster (wheel platforms)

⚠ WARNING DO NOT ATTEMPT TO OPERATE THE HEATER WITHOUT THE WHEELS IN PLACE

1. Make sure the unit is unplugged. Using a slotted or Phillips head screwdriver, attach two casters to each caster platform.

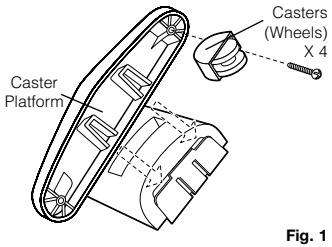


Fig. 1

2. Carefully turn the unit over so the caster platforms can be attached.
3. Slide the caster platform into the bottom of the plastic end cap, following the grooves (shown in Fig. 1).
4. Repeat this sequence on the other side of the heater, making sure both sides are secure.
5. Return the console to its upright position.

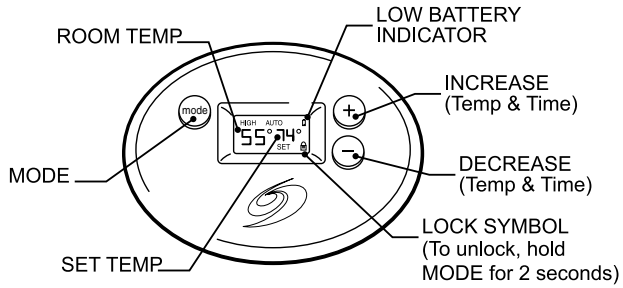
FIRST USE ONLY:

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 on 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.

Figure 2



We recommend replacing batteries immediately.

Note: The transmission distance for this remote is 30 ft, do not use outside of 30 ft area of appliance. Remote must be used in same room as appliance.

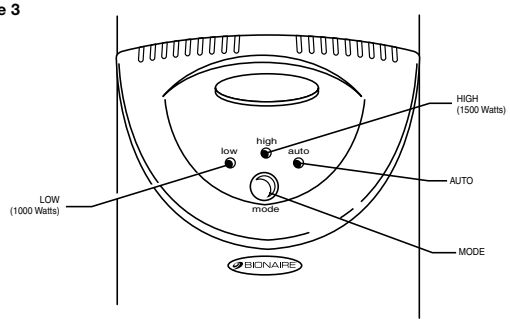
Note: Galileo can be used in either Fahrenheit or Celsius. To change the reading on the remote, flip the remote over and push the button located on the left hand side with a ball point pen tip. This switch will change the reading from F to C and vice versa.

Note: Every minute while in Auto mode, the Galileo communications 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 wil 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 units "Low" light will illuminate. In this mode, the unit will continuously run at its low wattage.

Figure 3



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: 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 4 ft 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 "Auto" light on unit will illuminate. The unit will cycle on and off to main tain the "Set" temperature. The default room temp = 72ºF. 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 55ºF and the maximum is 85ºF. The unit scrolls one digit at a time in a continuous loop. 55º, 56º…, 84º, 85º, 55º, 56º….
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. 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", "High" to "Off" or "Auto" 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.

   2.2) the current mode will remain displayed on the screen ("low" or "high" or "auto")
3) Push + or - to adjust the number of hours the unit will run before it shuts itself off.

   3.1) you can choose from; 1, 2, 3, 4, 5, 6, 7, 8 hours

   3.2) 1 through 8 will scroll in a continuous loop
4) After you have made your selection, "timer" 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. To check how much time is remaining, press and hold the + and – buttons simultaneously.
5.1) 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: Locating the unit in the bedroom and setting the timer at 8AM for 12hrs, this allows the room to preheat for 2 hours. The unit will turn on at 8PM and shut off at 10PM. Your room will be pre-heated before you go to bed at 10PM.

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, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 hours

4.2) 1 through 16 will scroll in a continuous loop

5) "timer" flashed 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 degrees F. 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.

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.

☛ TIP: Over time, dust may accumulate on the grills. This can be removed by wiping the unit with a damp cloth. Always unplug unit and allow to cool prior to cleaning.

After Season Care:

1. Store heater in a cool, dry location.
2. Bionaire® recommends that you store the unit in its original carton.

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 **1-800-253-2764** or visit our website at **www.bionaire.com**.
4. ✉ If you have any other questions or commentor feel free to write to us:

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

BIONAIRE Canada
6385 Shawson Drive
Mississaugua, Ontario
Canada, L5T IS7

WARRANTY

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 1-800-253-2764 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.

Galileo™ is a trademark of The Holmes Group, Inc.
Bionaire® and Bionaire® BIONAIRE are registered trademarks of The Holmes Group, Inc.

The Fego Precision Industrial Co., Ltd. Model: 3430TX;3930TX (referred to as the EUT in this report) is a wireless transmitter of Heater Fan Remote Control.
A major technical descriptions of EUT is described as following:

A). Fundamental Frequency: 315 MHz

B). Modulation : Pulse Modulation

C). Antenna Designation: Non-User Replaceable (Fixed)

D). Power Supply: DC 4.5V, Battery Operated.

E). Transmitting Time: Periodic < 5 seconds by manual

F) Associated Receiver: FCC Doc

FCC Statement

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

Warning:

Note: This equipment has been tested and found to comply with the limits for digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, used and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference in to radiate communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different form that to which the receiver in connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user′s authority to operate the equipment.