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BIONAIRE LC0760 Owner's Manual

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99.97% HEPA air cleaners

MODEL LC0760/LC1060/LC1460



Read instructions before operating. Retain for future reference.

Instruction Leaflet

 **INFO-LINE**

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



AIR CLEANER SAFETY

PLEASE READ AND SAVE THESE IMPORTANT INSTRUCTIONS.

IMPORTANT SAFEGUARDS

1. 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:
2. Read all instructions before using the appliance
3. To avoid fire or shock hazard, plug the appliance directly into a 120V AC electrical outlet.
4. Remove plastic bag over filter before use.
5. Keep the cord out of heavy traffic areas. To avoid fire hazard, NEVER put the cord under rugs, near heat registers, radiator, stoves, or heaters.
6. To protect against electrical hazards, DO NOT immerse in water or other liquids. Do not use near water.
7. Close supervision is necessary when any appliance is used by or near children, or by disabled people.
8. Always unplug the air cleaner before moving it, opening the grill, changing filters, cleaning, or whenever the air cleaner is not in use. Be sure to pull by the plug and not the cord.
9. NEVER drop or insert any object into any openings.
10. DO NOT operate any appliance with a damaged cord or plug, if motor fan fails to rotate, after the appliance malfunctions, or if it has been dropped or damaged in any manner. Return appliance to manufacturer for examination, electrical or mechanical adjustment, or repair.
11. 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.
12. DO NOT use outdoors.
13. NEVER block the air openings or place on a soft surface such as a bed or sofa, as this could cause the unit to tip over, blocking the Air Intake Grill.

14. Keep unit away from heated surfaces and open flames.
15. DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void your warranty. The inside of the unit contains no user serviceable parts. All servicing should be performed by qualified personnel only.

PLEASE SAVE THESE INSTRUCTIONS.

CONSUMER SAFETY INFORMATION

WARNING: To reduce the risk of fire or electric shock, DO NOT use this air cleaner with any solid-state speed control device.

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 cord used on this appliance 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 air cleaner. Care must be taken to arrange the extension cord so that it will not drape over the countertop or tabletop where it can be pulled on by children or accidentally tripped over.

CONGRATULATIONS!

By choosing a Bonaire® Air Cleaner you have acquired a lifetime of fresher air.

Your Bonaire® Air Cleaner represents the culmination of years of research and development into the problems of cleaning air in home or office environments. It is a top-quality, affordable machine offering a unique filtration process that represents a breakthrough in the application of modern technology.

HOW YOUR HEPA AIR CLEANER WORKS

Dirty, dust-laden air is drawn through the Air Intake Grill of the unit where it first passes through the HEPA filter cartridge. The HEPA media removes virtually all airborne particles passing through it.

Additionally, the filter is treated with Microban® antimicrobial protection. This protects the filter by inhibiting the growth of odor-causing bacteria and mold on the filter surface.

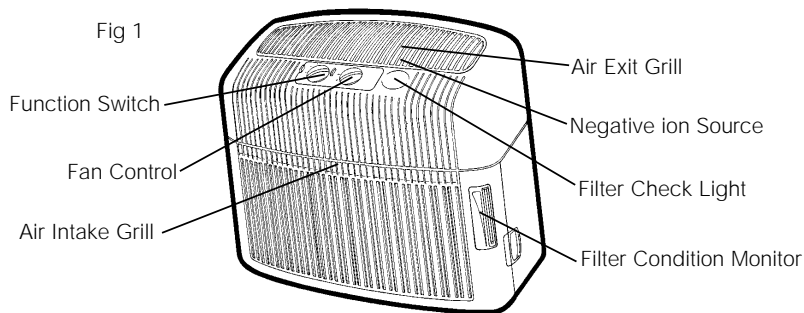
The air then passes through an activated carbon filter, which helps to remove odors.

Finally the outlet air stream has a negative ion emitter which further enhances the cleaning of the air through the electrostatic precipitation of small airborne particles.

Clean air is not a luxury – It is a necessity!

FEATURES AND CONTROLS

1. Air Intake Grill – Air is drawn into the front/top (depending on unit orientation) of the air cleaner.
2. Air Exit Grill – After the air has been cleaned, it is dispersed into the surroundings through the outlet grill.
3. Negative Ion Source – A feature of the air cleaner is the incorporation of a negative ion generator. Negative ions help clean the air by electrostatic precipitation of small airborne



particles. If the unit is close to a wall and/or in a very polluted area, some deposition of particles on objects surrounding the Air Cleaner will occur and may accelerate the natural darkening of the immediate environment. To avoid discoloration of walls, move unit away from wall or operate ionizer only as needed.

4. Function Switch – The units mode of operation is controlled by a simple rotary switch. The user can select the unit to have fan operation with or without ions being emitted. This switch also turns the unit "off".

5. Indicator Lights – Indicator lights tell the user when the unit is on, (“Power” symbol), and when the unit's mode is set to have ions emitted, (“Ions” symbol).
6. Filter Condition Monitor – When the ball, at high speed setting, reaches the high end of the indicator scale, the filter cartridge is loaded with particulate pollutants and needs changing (LC0760 & LC1060).
7. Fan Control – The air-cleaning rate of the unit can be controlled for maximum efficiency and convenience. The two speed fan control is used to select the operating speed of the fan. The unit is designed to run continuously at the low speed setting. For extended motor life, it is recommended that the high speed setting be used only when necessary.
8. Filter Check Light (LC1460) – An electric switch senses the condition of the filter cartridge and turns on an indicator light if the filter cartridge needs to be changed.

PRE-OPERATING INSTRUCTIONS

1. When removing the unit from the packing case, visually check for shipping damage. Please contact both the shipper and your dealer immediately if the unit bears any sign of damage from mishandling. All Bonaire® units are carefully inspected before leaving our factory.
2. KEEP SHIPPING CARTON AND PACKING for use in the unlikely event that your Bonaire® unit needs servicing. If this unit is shipped without the original packing, damage could occur and void the warranty.
3. PLEASE REFER TO THE FOLLOWING PROCEDURE BEFORE OPERATING YOUR NEW Bonaire® Air Cleaner.

WARNING: Check the operating voltage shown on the back of the unit. Do not operate at voltages other than shown.

OPERATING INSTRUCTIONS

1. Remove the inlet grill, remove the HEPA filter cartridge and the carbon filter and remove any plastic wrapping or panels from them. Re-install the filters as per the section “Filter Replacement”.
2. After re-installing the filters, choose a suitable location, table top, shelf or wall (see wall-mount instructions) ensuring that both the air intake and exit are not obstructed. The air cleaner can be placed as a vertical “tall” unit, or

as a horizontal "low profile" unit, depending on your personal preference.

3. Plug the power cord into a wall outlet.
4. Set the unit to the desired mode of operation, "Fan/On" or "Fan/Ions".
5. Select the desired fan speed (LC1060 & LC1460 "Low," "Med" or "High") (LC0760 "Low" or "High").
Low Airflow - For continuous, extra quiet filtration.
Medium Airflow - For continuous filtration.
High Airflow - For maximum, transient pollution filtration.

NOTE: Maximum filtration efficiency may not be reached until after the first 48 hours of operation.

CLEANING INSTRUCTIONS

Be sure the unit is switched off and unplugged from the power outlet.

PLASTIC HOUSING - A soft cloth and non-abrasive cleaner may be used to remove any excessive dirt or fingerprints. Treated like any other quality appliance, your Bionaire® unit will retain its attractive appearance for many years.

ION EMITTER PINS - FIRST, TURN OFF AND UNPLUG THE UNIT. Reach into the air exit grill with a cotton swab dipped into alcohol to clean any dirt that may have accumulated on the pins. Use caution when cleaning pins.

WARNING: Do not wash the HEPA filter cartridge or the carbon filter. These are disposable items.

FILTER REPLACEMENT

To keep your unit operating at peak efficiency, the HEPA filter cartridge should be replaced as needed or as indicated by the Filter Condition Monitor (figure 2, LC0760 & LC1060). The HEPA filter cartridge is designed with large media surface areas and may last up to one year in typical operation. The rate at which the filter clogs with particulates depends on the volume and quality of air being filtered. If the unit is used continuously on high in a room with a strong source of particulates, such as a work shop, then the effective life of the filter will be reduced. In a cleaner environment, operating mainly on lower speeds, the filter will last longer. The carbon filter should be replaced regularly, about every three months or when odor removal effectiveness is noticeably reduced.

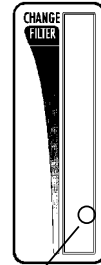
Filter Condition Evaluation

To test the condition of the filter cartridge, turn the unit on high speed and observe the output airflow of the unit. When the filter cartridge becomes clogged with particles there will be a noticeable drop in air flow and the air output will no longer be steady. Additionally, the indicator ball will be hovering in the upper region of the flow meter (figure 2, LC0760 & LC1060).

Replacing the Carbon Filter

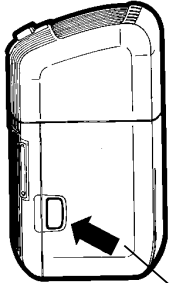
1. Unplug the unit. Place unit on its back.
2. Press on the two side catches to release the front inlet grill (figure 3).
3. Carefully remove the HEPA filter cartridge (figure 4).
4. Remove and discard the carbon filter located in the base of the unit (figure 4).

Fig 2



Indicator Ball

Fig 3

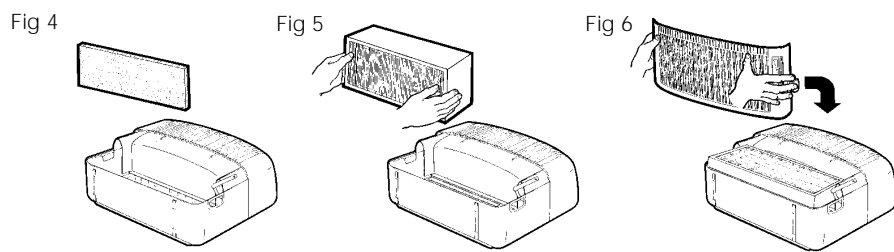


Side Catches

5. Remove any protective wrap from the replacement carbon filter and place it in the base of the unit (figure 5).
6. Mark the new installation date on the side of the HEPA filter cartridge. Insert it in the unit with the foam tape of the filter pressing against the carbon filter (figure 5).
7. Install the inlet grill (figure 6).

Replacing the HEPA Filter Cartridge

1. Repeat steps 1-5 of carbon filter replacement.
2. Remove any protective wrapping or panels from the new HEPA filter cartridge, mark the new installation date on the side panel of the HEPA Cartridge and place foam side first in the unit (figure 5).
3. Install the inlet grill (figure 6).



THE ADDITIONAL BENEFIT OF NEGATIVE IONIZATION.

This Bonaire® model is a compact air cleaner offering the benefits of negative ionization. Behind the outlet grill you will notice two sharp pins pointing into the airstream. This is the ionization source.

Responding to the challenge of improving the quality of indoor air, Bonaire® introduced compact air cleaners to combine the revolutionary HEPA filter system along with ion generators producing millions of negative ions.

In order to maintain the ion output, the emitter pins should be cleaned, as per the "Cleaning Instructions", when an accumulation of dust is noticed on the tips of the pins.

After extended use, dust may collect around the outlet panel. This is due to the electrostatic precipitation process initiated by the negative ions emerging from the unit. This dust does not originate from the discharged air but is drawn out of the uncleaned air going past the air outlet. It is additional evidence of the air-cleaning effectiveness of negative ions. The dust is easily removed by wiping the panel with a soft cloth.

WALL-MOUNTING

There are two keyhole slots on the back which allow the unit to hang on two suitable screws inserted into a wall.

Select #8 Pan Head screws that are approximately 1" - 1 1/4" long that can be inserted into and retained by the keyhole slots. Verify their suitability before fixing them in the wall by sliding them into the keyhole slots.

Carefully mark the two hole locations horizontally on the wall (distance between holes should be; 4.5 inches (11.4 cm). Make sure that the screws are of correct length to give reliable support. The use of wall plugs or expansion devices will be needed for plaster board walls.

Drive screws into the wall leaving a gap of 3/8 inch (9.5 mm) between the wall and the underside of the screw head.

Hold the air cleaner against the wall, insert the screw heads into the keyhole slots, carefully lower the unit to fully engage the

screw heads into the slots. Adjust height of the screw head as required to suit the wall's contours.

AIR CLEANER TROUBLESHOOTING GUIDE

Problem	Solution
☛ Unit will not operate.	<ul style="list-style-type: none"> ✓ Make sure the electrical outlet or circuit breaker is working. ✓ Check that the unit is plugged in. ✓ Check that front inlet grill is securely in place. ✓ If unit continues to not operate call 1-800-253-2764 for assistance.
☛ Decreased airflow.	<ul style="list-style-type: none"> ✓ If the Filter Condition Light is on, or the Indicator Ball is hovering in the upper region of the filter monitor, it is indicating low performance and the filter needs to be replaced. For replacement filters call 1-800-253-2764 or visit www.bionaire.com. ✓ Make sure inlet and outlet are not blocked. ✓ Check carbon filter.
☛ Dust on front grills or wall.	<ul style="list-style-type: none"> ✓ Because on negative ions emerging from the unit, dust may collect. To remove wipe panel or wall with soft cloth. Move unit further from wall.

SERVICE INSTRUCTIONS

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.

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.

Should your air cleaner require service, please consult the enclosed lists of authorized service centers for the one closest to you, or please call 1-800-253-2764 in North America for further assistance.

4. } If you have any other questions or comments, feel free to write to us:

 BIONAIRE

PO Box 400
 Milford, MA 01757
 USA

 BIONAIRE Canada

6385 Shawson Drive
 Mississauga, Ontario
 Canada, L5T 1S7

Visit our website www.bionaire.com

FILTER REPLACEMENT NUMBERS

	#LC-0760	#LC-1060	#LC-1460
Filter Cartridge:	One HEPA filter cartridge.		
Order No:	#A0701H	#A1001H	#A1401H
Carbon filter:	Four activated carbon filters.		
Order No:	#A0702C	#A1002C	#A1402C

TWO (2) YEAR LIMITED WARRANTY

Bionaire® warrants for TWO (2) YEARS from the date of original purchase, to repair or, if repairs are not commercially applicable to replace without charge (parts and labor), any supplied or manufactured part of this air cleaner 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. If the product can not be reasonably repaired the consumer may elect a free replacement or refund.

Operations 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 FOR BREACH OF EXPRESS OR IMPLIED WARRANTIES CAUSED BY USE OF THIS PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE.

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 air cleaner to be repaired.

KEEP THIS NUMBER FOR FUTURE REFERENCE.



 **BIONAIRE®**

428-867

