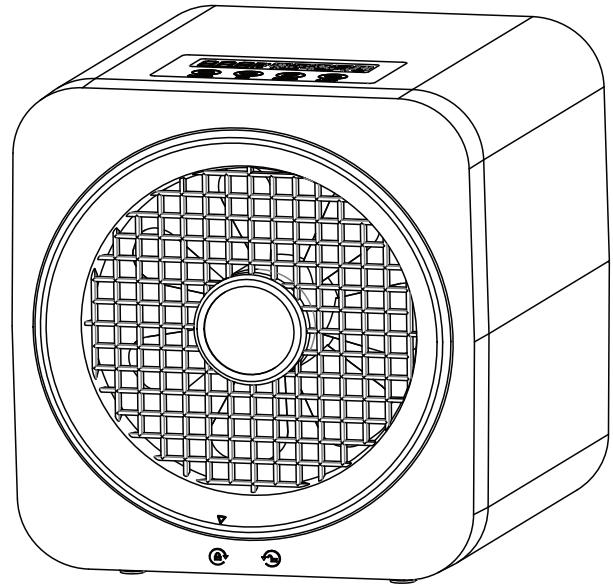


BY LT&B

ECOROOM Air Purifier

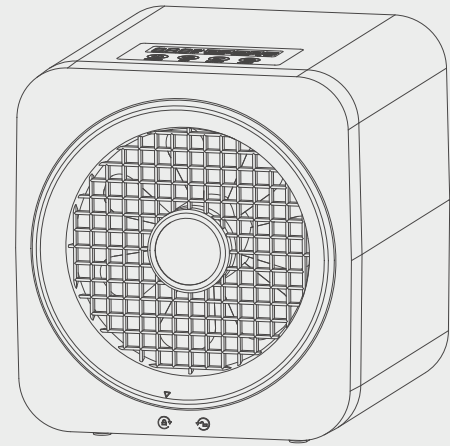


USER MANUAL

ECOROOM BY LT & B

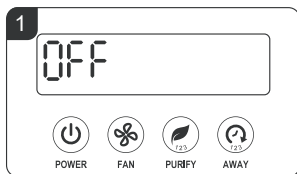
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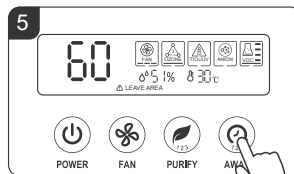


Read this manual carefully for proper care and use.

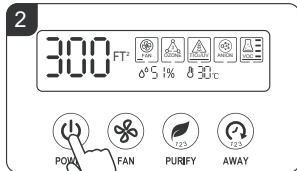
Rapid User's Guide



Connect the power supply, the screen displays OFF, indicating that the machine is connected to the power supply and then enters the standby state.



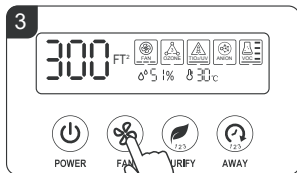
Touch the [AWAY] button, there will be 8 rapid beeps, enter the cleaning mode, the fan defaults to the highest level and cannot be adjusted. Touch the [AWAY] button again to adjust the working time. 3 levels adjustable, the screen displays 60 minutes, 120 minutes, 180 minutes, the fan will delay 30s to shut down in the cleaning mode.



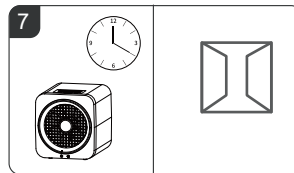
Touch the [POWER] button to turn it on, the default purification mode is level 1, the fan is level 1. The screen displays the purification area of 300 FT², air quality indication, temperature, humidity, etc.



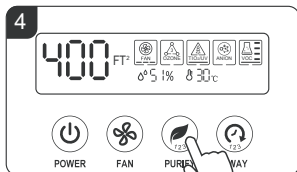
Close the doors and windows, make sure that humans, animals, pets should leave the treated area when the cleaning mode starts working.



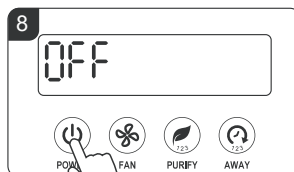
In the purification mode, touch the [FAN] button to adjust the air volume, 3 levels are adjustable.



In the cleaning mode, entering the room after the end of the cleaning mode 40 minutes, open the windows for ventilation. If you feel unwell, please leave immediately.



In the purification mode, touch the [PURIFY] button to adjust the purification area, 3 levels are adjustable, which are suitable for 300 FT², 400 FT², 500 FT².



Touch the [POWER] button to shut down and enter the standby state, the screen display OFF.

Introduction

This user manual is intended to help you use EcoRoom by LT & B Purify safely and to give you the basic information regarding how to operate and maintain the product. Read the instructions carefully before use.

After reading the manual, you are still not certain you understand the risks that may be associated with the product, do not use it. Please contact the dealer if you need further information.



NOTE: The user manual only addresses the basics for safe use of the product. It is not possible to describe all situations which could arise while using the product.



Warning! When using the product, certain safety precautions must be followed to reduce the risk of personal injury and property damage. Warranty only applies if the product is used according to these instructions.

Safety Guidelines

- Product are placed flat on the desktop.
- Do not use in contact with water.
- Ensure the air intake and outtake of the product is not blocked.
- Do not cover the product or place items on top of the product.



Warning! Do not use in flammable and explosive gas environments, do not place the product in a place where the air inlet or outlet is blocked, which may cause the product to not work properly.



Warning! This product has a cleaning function. Before using the cleaning mode, close the doors and windows, make sure that the place of use is unoccupied. Entering the room after the end of the cleaning mode 40 minutes, open the windows for ventilation. If you feel unwell, please leave immediately.

Function Introduction

EcoRoom by LT & B is a High-End air purifier with beautiful appearance and attractive design; air volume adjustable, Purification mode and cleaning mode are optional, LCD screen display, VOC air quality monitoring, temperature and humidity monitoring, Carbon, UV replacement prompt, Unique and beautiful air inlet/outlet design, using TriOxygen, Carbon, photo-catalyst +UV lamp, plasma and other technologies are used for disinfection and sterilization, deodorization and aldehyde remove, purify air, efficient performance.

TriOxygen

TriOxygen has strong oxidizing properties and is a globally recognized green broad-spectrum and efficient disinfectant. It can quickly kill bacteria at a certain concentration, automatically reduce to oxygen after 30 to 40 minutes. There is no chemical toxic residue, no secondary pollution, it is known as "The cleanest oxidant and disinfectant". Widely used in air purification, drinking water treatment, fruit and vegetable preservation, medical and health care, food processing, poultry farming and other occasions.

Carbon Filter

Activated Carbon has efficient adsorption performance, removes volatile organic compounds formaldehyde, toluene, hydrogen sulfide, dichlorobenzene and pollutants in the air. It can deodorize and remove odor under a certain air volume, and has a good effect of purifying the environment.

Photo-Catalytic Filter +UV Lamp

Photo-catalytic is a general term for semiconductor materials with photo-catalytic function, represented by Nano-Scale titanium dioxide. It is coated on the surface of the substrate, and under the irradiation of ultraviolet light, it produces strong oxidizing substances (such as Hydroxyl radical, oxygen, etc.), which can effectively degrade toxic and harmful gases in the air, such as formaldehyde, dichlorobenzene, toluene. It can effectively purify the air; at the same time, it can effectively kill a variety of bacteria, and can decompose and harmless treatment of toxins released by bacteria or fungi.

Negative Ions

Negative air ions have negative charges, which can make positively charged indoor dust, smoke, viruses, and bacteria gather together, lose the ability to float freely in the air, and quickly land, thereby purifying the air. Negative ions, like sunlight, are essential substances for human beings. They can promote the synthesis and storage of vitamins in the human body, and strengthen and activate the physiological activities of the human body. They are also called "air vitamins". The measure of whether the air is fresh or not is based on how much concentration.

Plasma

Under the action of the electric field, the plasma generator will produce positive and negative ion groups. The positive oxygen ions have strong oxidizing properties and can oxidize and decompose methyl sulfide, ammonia, hydrogen sulfide, formaldehyde, benzene and other pollution factors in a very short time. Finally, stable and harmless small molecules such as carbon dioxide and water are produced. At the same time, negative oxygen ions can destroy the living environment of bacteria in the air, reduce the concentration of indoor bacteria, and charged ions can adsorb suspended particles in the air to achieve the purpose of purifying the air.

Schematic Diagram

1. Air Outlet

2. Panel Disassembly Tips

3. Control Panel

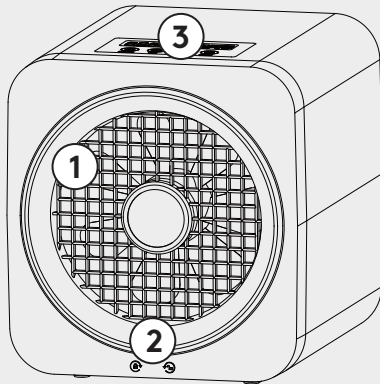
4. Handle

5. Air Quality Testing Sensor

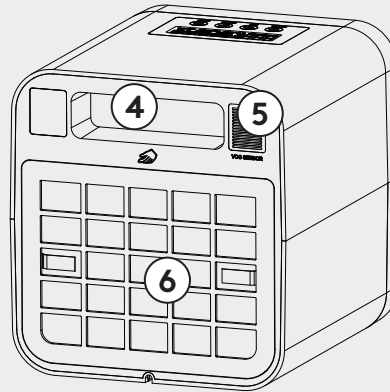
6. Filter

7. Rubber Feet

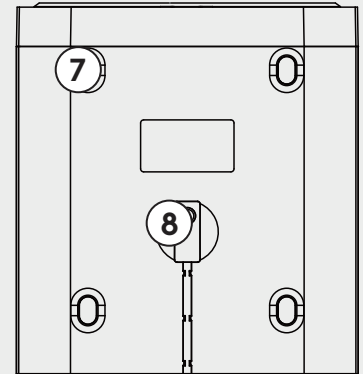
8. DC12V Power Supply



FRONT VIEW



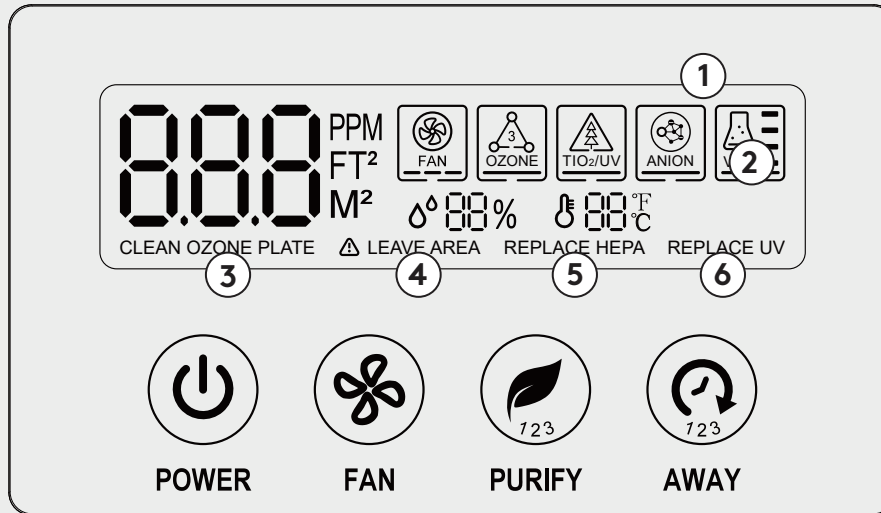
BACK VIEW



BOTTOM VIEW

Control Panel

- ① LCD Screen
- ② Air Quality Indicator Light: 1 grid is excellent, 2 grids are good, 3 grids are fair, 4 grids are poor.
- ③ CLEAN OZONE PLATE: Display after 3000 hours working time.
- ④ LEAVE AREA: Displays when active oxygen is working.
- ⑤ REPLACE Carbon or HEPA: Display after 2000 hours working time.
- ⑥ REPLACE UV :Display after 5000 hours working time.



Usage

In order to meet the different purification needs of customers, The EcoRoom by LT & B air purifiers are divided into two different purification modes, namely: purification mode and cleaning mode, two different purification modes work with different functions to solve different air pollution problems.

AWAY

After the machine is powered on, press the [POWER] button to turn it on, the machine defaults to purification mode, and then touch the [AWAY] button to enter the cleaning mode. In cleaning mode, doors and windows need to be closed, make sure that the place of use is unoccupied. Entering the room in 40 mins after the end of the cleaning mode, open the windows for ventilation. The cleaning mode can be used to remove aldehydes in new houses, purify the air in daily households, sterilize and remove mildew, and remove odors from toilets, kitchens, and garbage rooms.

LEVELS SWITCHING SOUND

Level 1,2,3 of Fan/ Level 1,2,3 of PURIFY/Level 1,2,3 of AWAY, the prompt tone of level 1 is do, the prompt tone of level 2 is mi, the prompt tone of level 3 is sol.

PURIFY

After the machine is powered on, press the [POWER] button to turn it on, the machine defaults to the purification mode. In the purification mode, the machine works in a cycle of 60 minutes. In a single cycle, the photo-catalytic + UV lamp, plasma and other functions are turn on or off in the corresponding time period, the human and the machine can coexist. The purification mode can be used to purify the air in the daily room, remove the smell of smoke in the office and conference room.

MODE SWITCHING

Switching between the PURIFY mode and AWAY modes follows the degree increment rule. For example, when switching from level 1 in PURIFY mode to AWAY mode, it is level 2 in AWAY mode, and when switching back to PURIFY mode, it is level 3 in PURIFY mode, and so on.

Product Parameter

Essential Parameter

Rated Voltage:	DC12V
Power :	15W max
Product Size:	179X165X175mm
Packing Size:	260X225X250mm
N.W/G.W:	1.31kg/1.71kg

Functional Parameter

Model number	EcoRoom by LT & B
Function:	1 .Plasma 2 .Photo-Catalyst 3 .Carbon 4 .UV lamp 5 .Ozone 6 .VOC monitor 7 .Temperature Monitoring and Humidity Monitoring
Operation Interface:	LCD Screen
Operation:	Button
Ozone :	500mg/h
Ion Output:	5 million pcs/cm ³
LED:	2835 UV LED(9pcs), 365 nm
Carbon Filter:	143X107X25mm
Photocatalyst Filter:	100X37X10mm(3pcs)

Degree Parameter

	Level 1	Level 2	Level 3
Air Volume:	50CFM	70CFM	90CFM
Speed:	1250RPM	1800RPM	2500RPM
CADR value:	50m ³ /h	70m ³ /h	90m ³ /h
Sound Level :	30dBA	36dBA	42dBA
Application Area:	≤ 300FT ²	≤ 400FT ²	≤ 500FT ²



Note: In the cleaning mode, the fan defaults to the highest level and cannot be adjusted. In the cleaning mode, the time corresponding to 60 minutes, 120 minutes, and 180 minutes corresponds to an area of ≤ 300FT² , ≤ 400FT² , ≤ 500FT² ,

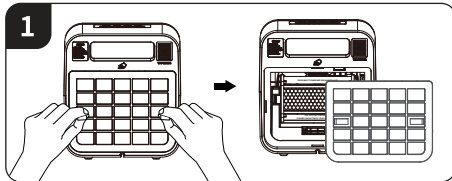


Note: No matter what the working mode is, all the functions of the machine do not work together. The machine works in a cycle of 60 minutes in the purification mode. The UV lamp, photo-catalyst , and plasma are turned on or off in the corresponding time period in a single cycle; The Ozone function works, the UV lamp, Photo-Catalytic, Anion and plasma are turned on or off in the corresponding time period in cleaning mode: .

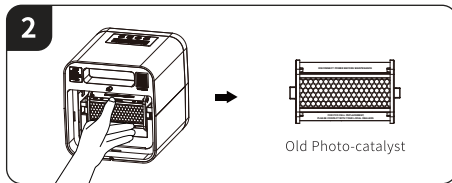
Photo-Catalytic Filter Maintenance

Some parts need regular replacement for the machine to run properly and ensure high quality purifying. After the photo-catalytic module (Photo-catalytic+ UV lamp) works for 5000 hours, the screen flashes and displays REPLACE UV, indicating that it needs to be replaced. Press and hold the PURIFY button for 5 seconds to clear the display.

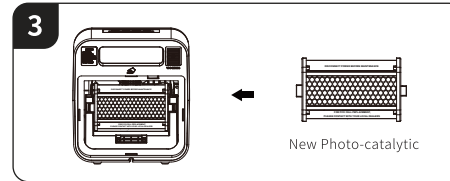
How to replace the Photo-Catalytic Filter



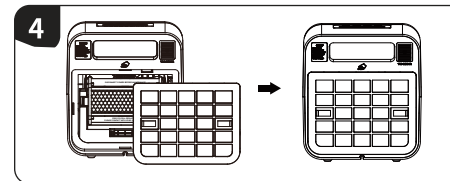
Pull out the drawstring on both sides of the filter with both hands and pull out the filter module.



Hold the handle position with your hand and pull out the photo-catalyst module.



Replace the new photo-catalytic module and insert it into the corresponding position.



Install the filter module and the replacement is complete.

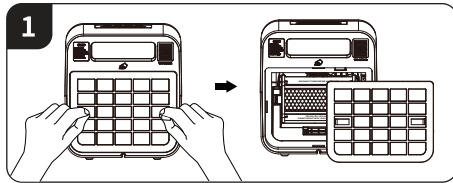


Note: The photo-catalytic module must be replaced according to the above instructions. If do not follow causes the product damaged and will not be covered by the product warranty.

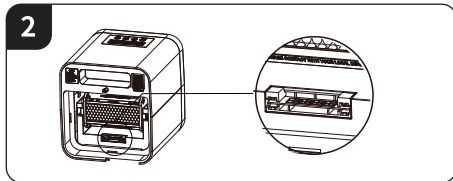
Ozone Plate Maintenance

After approximately 3000 hours of use, the ozone plate needs to be replaced to run properly and ensure high quality purifying. The screen flashes and displays CLEAN OZONE PLATE, indicating that the ozone plate needs to be cleaned. Press and hold the AWAY button for 5 seconds to clear the display.

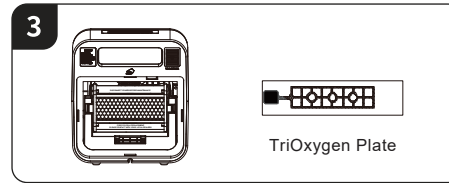
How to clean the ozone plate



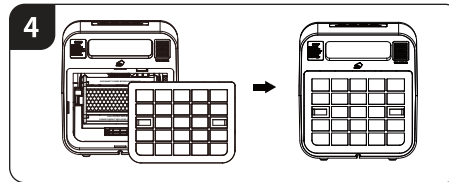
Pull out the drawerstring on both sides of the filter with both hands and pull out the filter module.



Pull out the ozone plate with your finger or a tool.



Use a brush to clean the stains on the surface of the ozone plate, and the hard-to-clean stains can be scrubbed with alcohol. Reinstalled in original position after cleaning.



Install the filter module and the replacement is complete.

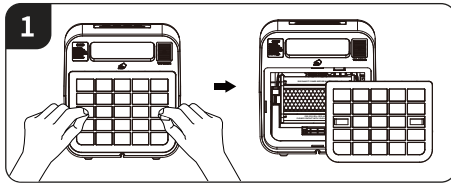


Note: Be sure to follow the above instructions. If do not follow the instructions to remove, clean or install causes the product damaged and will not be covered by the product warranty.

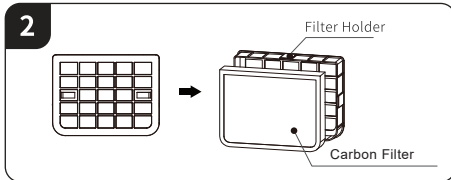
Carbon or HEPA Filter/Panel Maintenance

After approximately 2000 hours of use (Suggested less than 1 year or filter is dirty,) the Carbon or HEPA filter needs to be cleaned or replaced to maintain an accurate cleaning level and to run at its optimal. The green light flashes and the screen flashes and displays REPLACE HEPA, indicating that it needs to be replaced, press and hold the PURIFY button for 5 seconds to clear the display.

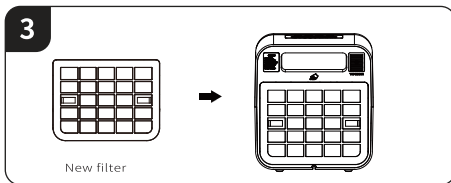
How to clean or replace the filter



Pull out the drawstring on both sides of the filter with both hands and pull out the filter module.

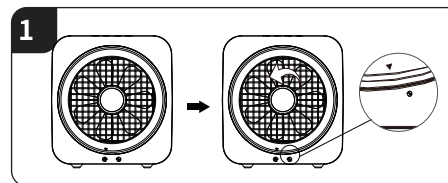


Take out the Carbon or HEPA filter from the filter holder and replace it with

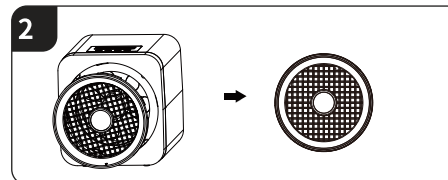


Reinstall the new Carbon or HEPA filter into the filter holder and install the filter module into the machine.

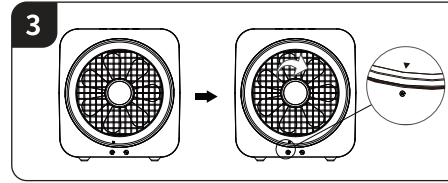
How to clean the panel



Before cleaning the panel, be sure to disconnect the power. Insert the tool into the air outlet and turn the panel counterclockwise to the unlocked position.



Use a tool to clip out the panel and clean it.



Align the arrow of the panel with the unlocked position and re-install it, and turn it clockwise to the locked position.

Trouble Shooting

Problem	Possible reason	Solution
The product is not working.	The product is not turned on.	Turn on the product by pushing menu button
	The power cord is not correctly connected.	Check that the power cord is properly connected.
	Electrical outlet is not working.	Try another electrical outlet.
Low air volume.	Fan input or output is blocked.	Check that the fan input or output is blocked.
	Carbon or HEPA filter is full.	Replace the Carbon or HEPA Filter.
ozone works but produces little or no ozone.	The ozone plate needs to be replaced/ the surface of the ozone plate is stained.	Replace/Clean the ozone plate.
	ozone Plate is not properly attached.	Check that the ozone plate is properly attached.
Screen is not work.	The product does not start.	Contact the authorized dealer or manufacturer for maintenance.
Scree display: E01	Check that the panel is properly installed.	Panel is properly installed.
Scree display E02	Check that the filter is properly installed.	Filter module is properly installed.

Service and Warranty

Provides one year warranty for the whole machine and the core components. (Calculated from the purchase date of the original purchaser.)

The following are not covered by the warranty service:

- 1 . Beyond warranty period, there is a problem with the product, which is not covered by the warranty.
- 2 . Any damages or malfunctions caused by negligence, abuse, or use not in accordance with the owner's manual are not covered by this warranty.
- 3 . The unit cannot work normally due to accidental or intentional damage by the customer.

