

1 Precautions for Using

For safe use of this product, be sure to read and take care of the followings before using it.

Danger!

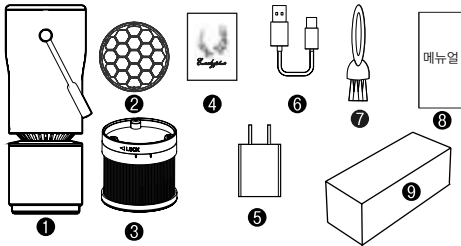
- Prolonged storage indoors and outdoors where high temperatures occur or inside a car can cause product deformation, failure or explosion.
- Avoid using it in places where water or damp conditions. If it is used close to the humidifier, it can cause failure and explosion.
- Do not use industrial oil, flammable gas, or metal dust as it may cause failure and explosion.
- Cleaning this device with a damp towel can cause failure and explosion.
- Don't touch this device intentionally with metal substances etc.
- It is banned using this device by children who are inexperienced in manipulation or feeble minded person.
- Intentionally, disassembling this device or disconnecting the battery can cause injury, electric shock, or fire.
- In case of rain, stop using the device because it causes electric shock, fire, and product failure and disconnect the power and charging cable.
- If foreign substances such as beverages or coffee are included in this product, it can cause an electric shock or fire.
- If this device is flooded, stop using it due to the risk of failure or electric shock and make sure to ask CS Center to repair it.
- Artificially placing flammable substances or metallic materials in air intake and air outlet can cause failure, injury, or electric shock.
- Be careful if you install the product unstably at a high place, the product may fall off and get damaged.
- Moisture or foreign substances on the charging terminal can cause electric shock, fire, and failure.
- Do not use this product for any purpose except for the air sterilizer.

Caution!

- When using this device, use it on a flat surface because uneven floor can cause noise.
- Shortens battery life when using products in hot or cold environments.
- It is recommended to use it at a distance away from other audio devices as this may cause malfunction.
- Strong detergents damage the appearance of the product and are recommended to clean it with a soft cloth.
- Excessive use of the product or placing heavy objects on it can cause product failure.
- Storage in areas with strong light can cause discoloration of the appearance of the product.
- Batteries must be replaced through the head office CS and consumers are not responsible for artificial disassemble and replacement.

Product Components and Specifications

1.Components



- 1 Main Body 2 Pre-Filter 3 Main Filter 4 Aroma Stick 5 Home charger 6 Charging Cable 7 Dusting Brush 8 Manual 9 Box

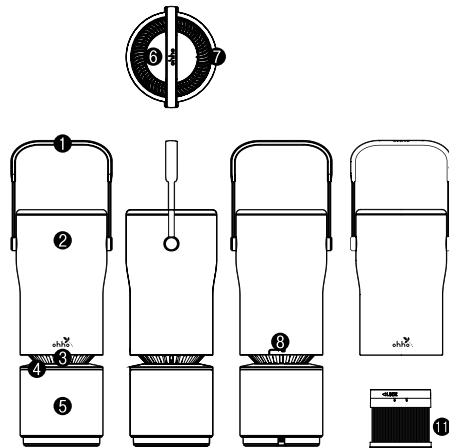
2.Specification

Categories	Specification
Power(AC Adaptor)	MODEL:RY019A050200U INPUT: 100-240V~50/60Hz 0.5A OUTPUT: 5.0V $\pm$ 2.0A
Power Consumption	0.34A @ 3.7V Watt = 1.25W (Fan 2 level, UV OFF, Sound OFF)
Usage Enviroment	Ambient temperature when charging : 10~45°C Ambient temperature during discharge : -20~60°C
Speaker	8 Ω 6W
Fan/Motor	BLDC 5V 5900RPM
Battery	4000mAh 3.7V 14.8Wh
UVA	0.50W X 8EA
UVC	0.25W X 4EA
Photocatalytic Filter	Nickel Plate
HEPAfilter	H13
Aroma Stick	Eucalyptus

Categories	Weight	Size
Main body+Filter	518g	202X20mm
Home Charger	135g	61X35X22mm
Charging Cable	21g	1M
Aroma Stick	4.5g	24X17mm
Dusting Brush	3g	83X16mm

*The appearance, color, and components of the product may vary depending on the model.

Main Body Key Parts and Names

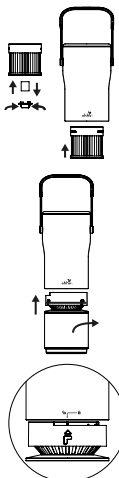


- 1 Handle and Stand 2 Upper case 3 Air Intake 4 Speaker parts 5 Lower case 6 Touch Panel 7 Air outlet 8 Assembly Position Indication 9 USB C-type Terminal 10 Main Power 11 Main filter 12 Photocatalytic Filter 13 HEPA-filter 14 Pre-filter 15 Aroma Stick 16 Aroma Stick Cap

How to mount a filter

This product uses a Pogo pin wireless separation and a magnetic lter system to provide optimal user convenience, and can be selected and equipped with a separate aroma stick.

1. Open the box and wrap the packaging off.
 2. Open the box and check the top part, bottom part, and filter part and unbox it for assembly.
 3. Remove the included aroma stick packaging and remove the aroma stick.
 4. Turn the aroma stick case to remove it downward, open the aroma stick cap, insert the aroma stick from packaging has been removed, and insert the cap again.
 5. Turn the aroma stick case into the main filter and attach it.
- * VOC sensor may operate when using aroma sticks in enclosed spaces
6. Put the main filter into top part's case. (the position of the filter mounting is automatically installed by magnet).
 7. Attach the lower case by aligning the starting point of the arrow marked at the bottom of the upper case with the direction of the arrow marked at the inlet.



Change the location of the handle according

This product can be used by applying a movable/holdable handle, changing it to the desired location with ease of movement.

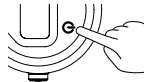


- *Caution!
- Do not place excessive force on the handle or hang heavy objects.

How to supply power

- Charge it completely when using it for the first time and make sure to check the state of charge when normal using it and prepare to use the product.

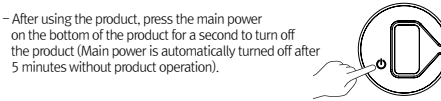
- Turn on the product by pressing the main power on the product floor for one second.



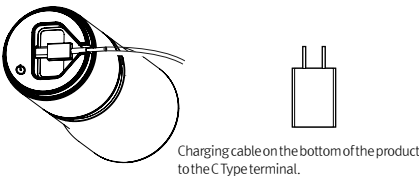
- Select (touch) the leaves to select the air flow mode of automatic, manual 1, manual 2, and manual 3.



- ohho Portable connect with smart devices that support Bluetooth and adjust the volume to appreciate high-quality sound through the speakers.

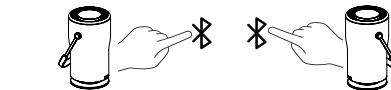


Wired power usage and battery charging



How to use Stereo Speaker

To use dual stereo speakers with other products, use the Bluetooth icon touch 1 second at the same time and connect.



Touch the Bluetooth icon of one of the two products for 1 second to disable the TWS function.

How to operate touch panel(LED)

1. Parts Name



- 1 Select Operation/Stop/Wind Force
- 2 Show the wind force selection.
- 3 Show the Bluetooth Speaker Connection.
- 4 Show the battery charging state .
- 5 Indicate UVA/ UVC On/ Off.
- 6 Volume Down 7 Volume Up.

*The volume control icon shows up only when Bluetooth is connected.

2.Select Operation/Stop/Wind force

- 1 You can select the wind flow option in four stages by briefly touching the leaf icon. The selected option 2 is shown on the wind flow selection LED. mode 3 In AUTO, UVA/UVC LED operation is automatically on/off according to VOC figures.

Stage Level	Wind Force				Air sterilization
	AUTO	Low	Mid	Max	UVA/UVC
Indicate wind force	●○○○ ○○○○ ●●○○ ●●●○	●○○○	●●○○	●●●○	Keep On Keep Off
Anti-Virus Features LED(UVA/UVC)	According to VOC Value ON/OFF	Always ON			Keep Off

3.How to check the current air condition

The LED lighting on the leaf icon automatically recognizes the current air condition and shows it in four colors.

Stage Level(Color)	Good(Blue)	Fair(Green)	Bad(Yellow)	Poor(Red)
VOC (mg/m ³)	0~0.220	0.221~0.660	0.661~2.200	2.201~10

- *Caution!
- In an environment where other dust-causing objects or products are used together, the product may react differently from the actual state.



For convenient use of this device,
Recognize the QR code above.
Download and install the Ohho app.

4. How to Connect Bluetooth Speaker

- After activating a smart device that supports Bluetooth function, find and connect "ohho portable".
- When Bluetooth speakers and smart devices are successfully paired In the Bluetooth speaker comes out a connection sound and can play music.
- Volume adjustment is possible with Bluetooth-enabled devices, but for volume effect, it is recommended to adjust the volume on the portable device to mid level and volume control on the touch panel.

*Bluetooth speakers in this product do not support Incoming/Outgoing Call Tone.

This wireless device may have potential radio interference.			
Model	STM32WB55CGU6	Frequency	2402 MHz~ 2480MHz
Version	Bluetooth® 5.0	Output	Max 6.0dBm

Bluetooth® registered trademark and Logos are owned by Bluetooth SIG, Inc. and "ohho" use this trademark under license. Other trademarks and brand

5. Battery Charging Time / Status Indication /Use Time

The battery status indicator LED ❹ shows the current state of battery volume along 3 colors as shown below.

*Status Indication

Color	Red	Green	Blue
Charging stage	LOW	MID	MAX
Charging Amount	1~19%	20~94%	95~100%

*When the battery is charging, the LED lighting blink to indicate the battery state of charging.

*Battery Charging Time
Based on main power off: 2 and half hours

*Use time

Use Function	Use Option	Battery Life
Air Purifier	Low Air flow (UVA/UV-C Off)	17Hours
	High Air flow (UVA/UV-C Off)	2Hours
Bluetooth Speaker	Volume Min	16Hours
	Volume Max	4Hours

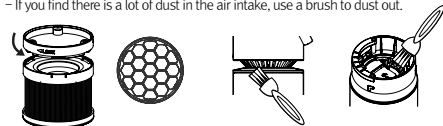
*The usage time may be changeable if two functions are used at the same time.

The Time of Replace and Clean Filter

This product have the main filter (Photocatalytic filter + HEPA filter) and Pre-filter, refer to replacement period or cleaning time is recommended as follows.

Filter	Washable	Periodic replacement	Periodic Cleaning
Main Filter	○	3 Months	X
Pre-filter	○	X	1 Week
Pre-filter	○	1week(wet cleaning)	X

- When the HEPA filter a replacement cycle, rotate the photocatalytic filter and the HEPA filter on the main filter in the direction of the arrow below to remove and replace the HEPA filter.
- The enclosed brush or small vacuum cleaner can be used to clean the area around the inlet of the device to help maintain air cleaning performance.
- Pre-filter is washable with water and make sure to dry it in the shade
- If you find there is a lot of dust in the air intake, use a brush to dust out.



**Precautions!
- Periodic replacement of the filter may changeable depending on the environment of use and operation time.
- If a large amount of VOC occurs in an enclosed space, the filter life may cause life cycle reduction.
- Main filter is a consumable and needs to be replaced with a new one when its life is over.

Other Maintenance

- Foreign substances on the wireless pogo pin terminals will cause contact failure between the upper and lower Bluetooth speakers of the main body . Wipe or remove any foreign substances on the device.
- Main filter may not be properly assembled if metallic substances are attached to the Main Filter Magnet. Remove them on it.
- Keep the main power of the product off for storing.
- In long term storage this device, make sure to avoid storing direct sunlight and store it in the shade after packing it in order to dust does not enter into it.

*Precautions!

- Storing it in a sunny place or on a vehicle's dashboard may cause break down and fire.

- If the battery is stored for a long time without charging it, it can cause a failure. Make sure to recharge fully every six months. Charge the battery fully before using it when reusing after long storage.

- Clean on the inside/outside of the product with an alkaline detergent, sulfuric acid, hydrochloric acid, etc. may break down or be damaged. Make sure to clean with soft fabric.

Q & A

Please check the symptom, Specific solutions as below before contacting CS or visiting CS Center.

Problems and Fail	Trouble shooting
It's not working	- Check if the main power in the bottom of this device whether turned on or off if not, press the power to turn it on. - Check if the battery is discharged and charge it. - Check that the upper case and the lower case are well assembled, if not, rotate the lower case along the way in the Lock Mark Direction to join it.
The main power is on, but it doesn't work.	- This device's power has automatically turned off if it is not operating for 5 minutes with the main power button on. You should repress the main power button and use it.
Do not work to charge the battery	- Make sure connect the DC power cable to the socket in the bottom of the product. - Check out the charger if charging cable are disconnected. - Check that the charging cable is disconnected by external impact.
Battery operation time has been shortened.	- Try to charge the battery. - Check out if the ambient temperature is too low or too high and use this device in a place where the proper temperature.
It doesn't clean up the air well.	- Wash the pre-filter with water and clean it well in the shade. - Clean the air inlet of this device enough. - If you have used the main filter for more than 3 months, replace it. - Air out from the indoor and use this device
Bacterial icon lighting does not work	- Bacterial lighting is automatically turned off if the VOC level is low when the wind flow option is AUTO.
The color of the leaf does not change from red to other colors.	- If the area of contaminated room is large, it takes a lot of time to purify the entire space. - If the room is very polluted or sealed, firstly open the window to ventilate. - Turn off the main power of this device and turn it on again.
The air outlet or filter smells bad.	- Using the filter for long periods of time or in the room with poor air conditions can reduce filter life. - Check the HEPA filter status and replace it or clean the pre filter. - If the air outlet smells bad, remove the filter you were using and operate this device.
You can not smell the aroma stick scent when using this device.	- Make sure to check the aroma stick is installed at the bottom of the main filter. - If you are able to smell the aroma stick scent after taking out it, the aroma stick is about to end.
Bluetooth connection is not working.	- Check out if this device and other surrounding devices are paired with Bluetooth and disconnect Bluetooth - Make sure to check the Bluetooth icon on the touch panel and reconnect Bluetooth-enabled devices to Bluetooth of this product.
The speaker volume is not able to control	- Set the device volume level of the Bluetooth to mid level and control the volume icon on the touch display.
Call tone not receive/ send via Bluetooth speaker.	- For your stable using, it is designed it does not come out sound on mobile phone. Use your mobile phone to receive/ send phone calls.

List of Customer's Paid

- The following cases will be paid even within the free repair service period
- The device cause the device disorder due to customers intentional disassemble
 - When a product is broken due to natural disasters such as earthquakes, floods, lightning strikes, etc.
 - If the device is dropped and damaged.
 - Cause a failure if the device is immersed in the water or used in a humid place,
 - In case the product fails because it is used at cool place or hot place
 - Cause a failure if foreign substances go into this device from the outside.
 - The exterior or function of this device is damaged by using strong organic solvents such as Paint thinner, benzene, etc.
 - Cause a failure due to the incorrect voltage selection.
 - Cause a failure due to connecting another power supply.
 - When replacing consumable parts like filter is end of their life expendancy.
 - Requesting to clean the product without any problems due to its functionality.
 - If the product fails due to other customer's fault

Product Warranty

Modle Name	OP-100W
Purchase date	

Products that are found to be manufacturing errors in this device can receive free customer's service for one year from the purchase, and customer fault due to natural disasters and consumer carelessness can be serviced for a fee.

Please give us a warranty with the date of purchase when you request to get customer service.

This product is exclusive to the U.S.
You can't get any Customer Services,
this device break down or have problemes
if you use it in different countries.
break down or have a problem.



ohho Portable Air Refining Purifier User Manual

Before using this device, read the contents of this manual in detail and refer to the precautions and operation instructions.

This manual has prodcut warrenty.



www.ohho-airfilter.com

Through QR code
Please check the details of the product.



FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio 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 from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.