



AIR PURIFIER AND SMART AIR PURIFIER

User Manual



Air Purifier Models
RMAP-ST | RMAP-XL

Smart Air Purifier Models
RMAP-SST | RMAP-SXL

Features of the Air Purifier



Advanced Filtration

Our 3-in-1 high-efficiency filter includes a pre-filter for large airborne particles, a high-efficiency (models RMAP-ST, RMAP-XL) or HEPA (models RMAP-SST, RMAP-SXL) filter for fine particles, and a carbon filter for odors and VOCs (volatile organic compounds). In addition, the all-in-one design makes filter replacement easy.



Air Quality Monitoring

Continuously samples incoming air, measures levels of pollution and indicates air quality with an easy-to-read LED screen.



360-Degree Airflow

A powerful, 18-speed fan with 360-degree airflow pulls polluted air from below and returns cleaner air in multiple directions.



Easy Operation

Use Smart Auto Mode to allow the air purifier to automatically adjust fan speeds based on the air quality level.



Smart Features

Connect Smart Wi-Fi® models with the Carrier® Home app so you can manage your air purifier from anywhere by integrating with Hey Google or Alexa for voice control.*



Note Functions and specifications may differ depending on the model.

* Wi-Fi® connection required. Works with Hey Google or Alexa and select Apple and Android™ mobile devices. Free Carrier Home app download required.

Table of Contents

| | |
|-----------------------------------|--|
| Before Using | Safety Precautions..... 2 |
| | What's In the Box 4 |
| | Product Description..... 5 |
| Product Setup | Preparation for Setup/Use 9 |
| | Smart Air Purifier Setup/Connection 11 |
| How to Operate | Product Operation 12 |
| | Indoor Air Quality Indications and On-Screen Codes 15 |
| | Care and Maintenance 16 |
| Things You Should Know | Troubleshooting..... 18 |
| | Customer Support..... 20 |
| | Warranty and Legal Notice 21 |

Read these instructions thoroughly for the safety of users and to prevent property damage.

Indication Description



Indicates that there is a possibility of death or serious injury in case of violation of the instructions.



Indicates that there is a possibility of injury or material damage in case of violation of the instructions.

Power Supply



This product has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit in the outlet, contact a qualified electrician. Do not attempt to defeat this safety feature.



Be sure to plug your product into a 120V outlet.

- ▶ Do not turn off the product by unplugging the power plug while in use.
- ▶ Contact customer service if the power plug or the power cord is damaged.
- ▶ Connect the power plug firmly to the wall outlet and do not use a damaged power plug, a damaged power cord, or loose outlet.



Unplug the product during thunder and lightning. Product can be damaged due to electric shock.

- ▶ If the product is not used for long period of time, unplug the unit to prevent unnecessary overheating and to save electricity consumption.



Note This air purifier is for 120V use only.



Initial Setup

WARNING

Plug the product into an outlet. Do not press the product up against the wall plug.

- Do not extend the power cord at will.
- Do not use with a power strip as it may cause electric shock or fire.

Leave at least 12 inches (30 cm) between wall and product.

- If the air inlet and outlet space is crowded, it may impact the product's ability to filter and recirculate the air.

Place on flat surface.



- ▶ **Do not** use the product near flammable substances or a gas leak.
- ▶ **Do not** use the product in places exposed to high humidity, oil, grease, or water.
- ▶ **Do not** install the product in direct sunlight or near a heating vent.



When Using

CAUTION

Avoid installing the product within 3 feet (1 meter) of a television or other electronic device.

Turn off power immediately if water or other foreign matter enters the product. Dry the product completely before turning on.

Using a dirty pre-filter or no filter will degrade product performance.

If there is a strange sound, burning smell or smoke coming from the product, unplug it immediately and contact customer service.



- ▶ **Do not** replace the filter while the product is in use or plugged in.
- ▶ **Do not** use filters that are not recommended by the manufacturer.
- ▶ **Do not** move the product while in use.



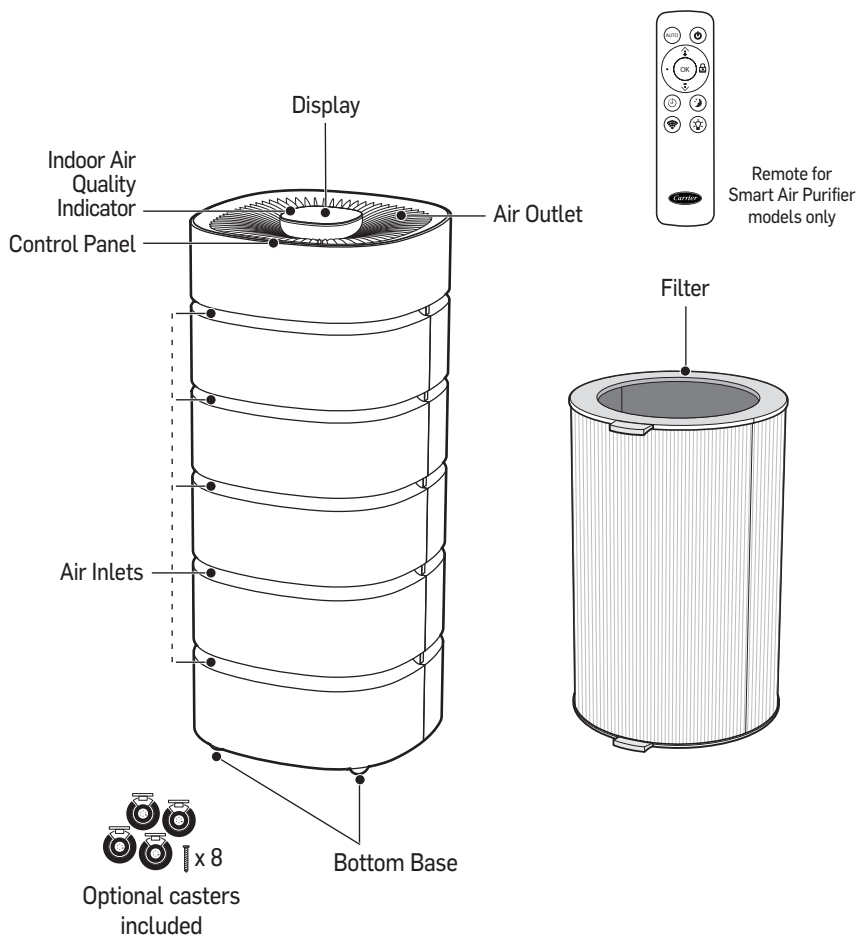
When Cleaning

CAUTION



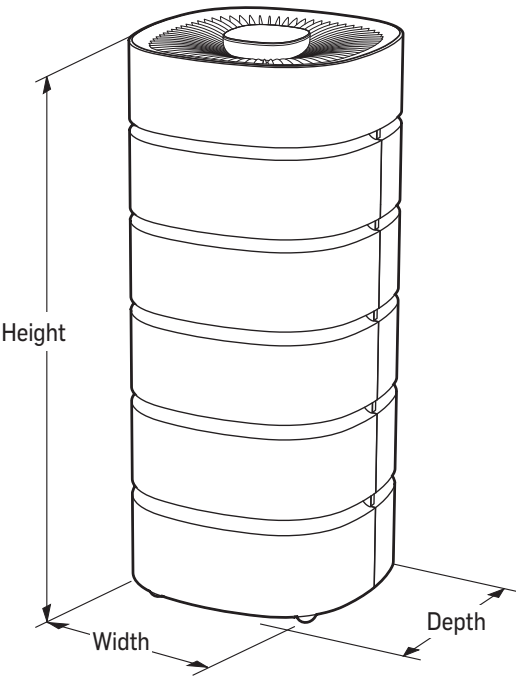
- ▶ **Do not** clean when power is on as it may cause electric shock or malfunction.

What's in the Box



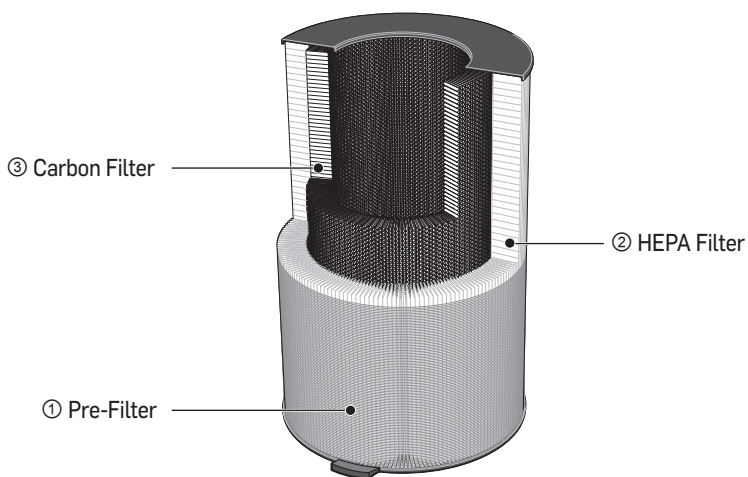
Note Product features and specifications may vary depending on the model.

Product Specifications



| Model | Air Purifier RMAP-ST | Air Purifier XL RMAP-XL | Smart Air Purifier RMAP-SST | Smart Air Purifier XL RMAP-SXL |
|--------------------------------------|--|--|--|--|
| Power | 120V, 60Hz, 1-phase | | | |
| Wi-Fi® | No | No | Yes | Yes |
| Remote Control | No | No | Yes | Yes |
| Dimensions | 13.7" W x 13.7" D x 26.5" H 350mm W x 350mm D x 675mm H | 13.7" W x 13.7" D x 31.5" H 350mm W x 350mm D x 800mm H | 13.7" W x 13.7" D x 26.5" H 350mm W x 350mm D x 675mm H | 13.7" W x 13.7" D x 31.5" H 350mm W x 350mm D x 800mm H |
| Room Size | Up to 430 sq. ft. | Up to 560 sq. ft. | Up to 430 sq. ft. | Up to 560 sq. ft. |
| HEPA Filter Replacement Model Number | RMAPFIL-HST | RMAPFIL-HXL | RMAPFIL-HST | RMAPFIL-HXL |

Filter Detail



Model: RMAPFIL-HST

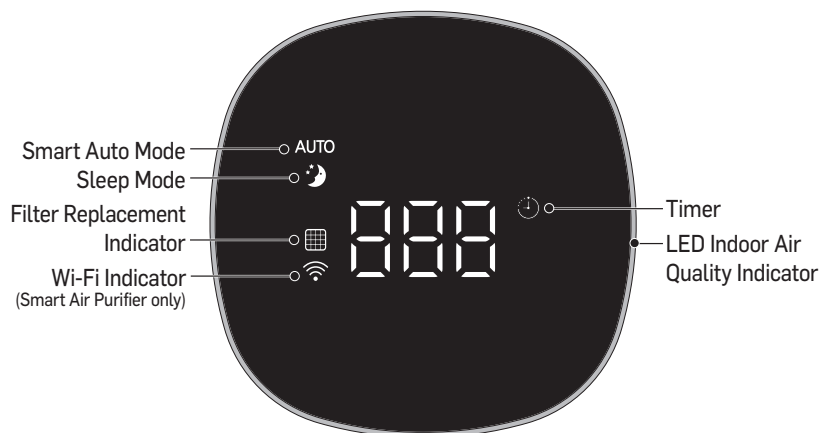
| Filter Type | Function |
|----------------------------------|---|
| ① Pre-Filter (microfiber net) | Filters large dust particles, smoke, pet dander and pollutants. |
| ② HEPA Filter | Captures over 99.97% of particles sized 0.3 microns including pollen and other allergens. |
| ③ Carbon Filter | Activated carbon filter traps odors. |



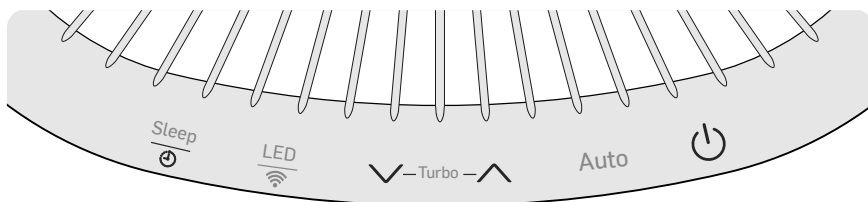
Note

It is recommended that you replace the filter every 6-12 months. Replacement period may vary depending on the product usage. Visit CarrierAtHome.com or contact your dealer to order your replacement filter.

Display



Control Panel



Control Panel Descriptions








| | | | |
|--|--|------|--|
| | Sleep mode / Timer | | Increase the timer and fan speed setting value |
| | LED ON/OFF & Wi-Fi® connection (LED off cycle lasts 6 hours) | Auto | Smart automatic operation |
| | Decrease the timer and fan speed setting value | | Power ON/OFF |



Note See page 12 for complete list of product operations.

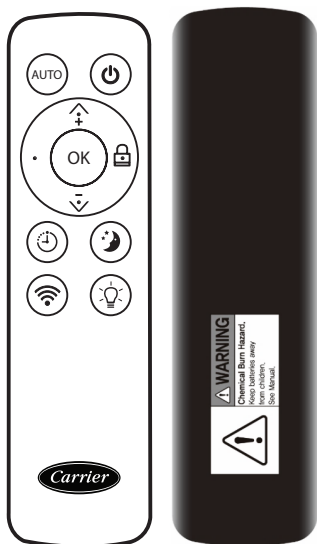
Remote Control (Smart Air Purifier only)

Remote Control Buttons

| | | | | | |
|---|--|---|--|---|---|
|  | Power ON/OFF |  | Decrease the timer and fan speed setting value |  | Safety lock |
| AUTO | Smart automatic operation |  | Timer |  | Sleep mode |
|  | Increase the timer and fan speed setting value | OK | Confirm your timer setting |  | LED ON/OFF (Off cycle lasts 6 hours) |



CAUTION



CAUTION

- 1** This product contains a lithium button/coin cell battery. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as two hours.
- 2** Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the battery, and keep it away from children.
- 3** If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

**CAUTION**

- Be sure to unplug the unit before removing the filter packaging.
- Remove the plastic packaging from the filter before use.
- Keep plastic packaging away from children as it may cause suffocation.

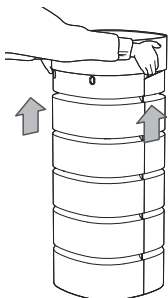
How to Prepare/Change the Filter

- An integrated filter is included with the new product.

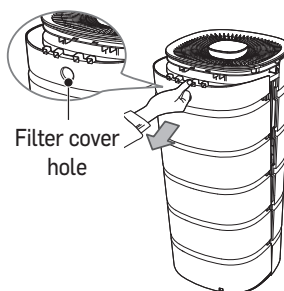


Note You cannot return the filter once the plastic packaging is removed.

- 1** Hold the top cover of the product with both hands and pull up. Remove any tape used to secure unit during transit.



- 2** Grasp the filter cover hole on the rear and pull cover out and then up to remove and access filter.

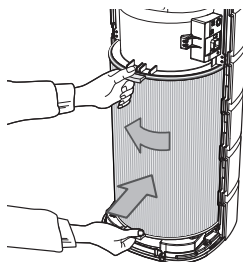


- 3** Remove the filter from the product and then remove the plastic packaging from the filter.

► Failing to remove the packaging will result in abnormal sounds and the filter will not work properly; and it may cause a fire or other damage to the product.



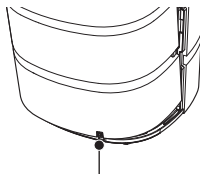
- 4** Slide the filter back into the unit with tabs on filter facing outward.



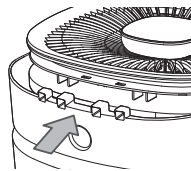
5

Replace filter cover.

- ▶ Insert the cover into the fixed groove at the bottom of the product.
- ▶ Slide the cover forward so that the cover fits into the top grooves.



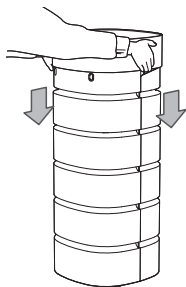
Fixed groove
at bottom



Cover-positioning
groove at top

6


Hold the top cover of the product with both hands and slide it back in place, making sure the logo appears in the front.

**7**

Place purifier in desired location and plug into wall outlet.

8

For filter replacement:

When the filter installation is complete, press the  + "Auto" button on the control panel for five seconds or more to reset the filter indicator light.

- ▶ The red filter light will turn off when the product is reset.

How to Install Casters (Optional)

1

Inside of the air purifier package, there is a small box containing four casters and eight screws.

2

Remove the four bottom bases from the air purifier with a screw driver.

3

Replace each base with a caster, utilizing two screws per caster.

4

Retain the removed bottom bases and screws for future use.



Note

If there is no caster box inside the filter box, please contact customer service at 1-888-320-0909.

Connecting Smart Air Purifier Models to App

- 1** Download the free Carrier® Home app to your device. Enable Bluetooth® on your wireless device.
- 2** Launch the app and sign up for a new account if you do not already have one.
- 3** Make sure the air purifier is plugged into an outlet, and is powered on. Bluetooth will automatically turn on for connection with the air purifier..
- 4** On the app, tap "Add device" and select the device you want to add to your account. If you already have an account, open app and select the three dots at the top right hand side of your screen, then select "Add device".
- 5** Follow on-screen app instructions to finish setting up product by pairing Bluetooth and connecting to your Wi-Fi.
- 6** See list of remote access features below, along with other control access capabilities.



Note

Make sure you have completed the filter preparation steps from page 9 before continuing. Skip the app setup step and go to next page if you have RMAP-ST or RMAP-XL.

Remote Access Features from App

- View indoor PM2.5 concentration levels
- View indoor TVOC levels
- Control air purifier fan speed
- Set unit to Smart Auto Mode
- Set unit to Sleep Mode
- Set unit to Turbo Mode
- View the remaining filter life
- View outdoor air quality levels
- Hey Google or Alexa Voice Control
- Place order for new filter when filter life reaches 50%

Normal Operation



Note

When the air purifier turns on, the sensor is initialized and the display shows "—" during initialization, and the LED light sensor will change colors.

1

Press the button to turn on.

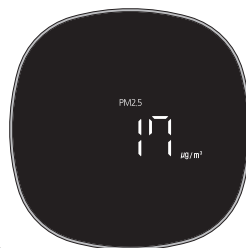
- ▶ The previously selected operation mode will be displayed.

2

Press the button on the control panel (or button on Remote Control) to select your desired fan speed.

- ▶ You can adjust the fan speed from level 1 (F1) to level 18 (F18).

Note: The default home display on Wi-Fi models will show a PM2.5 reading. Once the button is pushed, the display will switch to show designated fan speed.



Smart Auto Operation

1

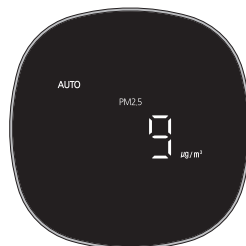
Smart Auto Mode allows the system to determine the fan speed depending on the air quality of the room. Press the button to turn on.

- ▶ The previously selected operation mode will be displayed.

2

Press the "Auto" button (or Auto button on the Remote Control) to select Auto mode.





- ▶ Each time the button is pressed, it switches between Auto Operation and Normal Operation.



Note







- The fan speed cannot be adjusted during Auto Operation.
- In Auto mode, the Indoor Air Quality Monitor detects the indoor air quality and the device automatically adjusts the fan speed to filter the air accordingly.

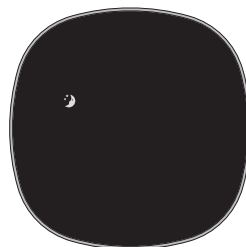
Turbo Fan Operation

- 1** Turbo mode allows the room's air to be filtered faster. Press the  button to turn the product on.
- 2** Set Turbo Fan Operation by pressing the   buttons on the control panel simultaneously for three seconds.
- 3** If you press the  button on the control panel (or on the Remote Control), the fan speed will change to level 18, and Turbo Fan Operation will stop. You can now set your fan speed to any preferred level.











Sleep Operation

- 1** Sleep mode allows the system to run normally but the display panel will be dark. Press the  button to turn on.
- 2** Press the  button on the control panel (or  button on the Remote Control) to select the Sleep mode.
- 3** During sleep mode, the entire display panel is turned off, except for .
 - ▶ The fan speed is set to level 1 by default. Press the   arrows to select preferred fan speed.
- 4** If you press the sleep button again during sleep mode, it will operate in the previously selected mode.
 - ▶ Sleep mode will be cancelled if the unit is turned off.



Safety Lock Function









- 1 You can set the safety lock function so that children cannot operate the product.
If you press the  +  button (or the  button on the Remote Control) for more than three seconds while the product is on, the display shows  and the Safety Lock function is set.
If you press a button on the control panel while this function is on,  will flash on the display five times at one second intervals.
- 2 To cancel this function, press the  +  button simultaneously for more than three seconds. Or press the  button on the Remote Control to cancel this function.

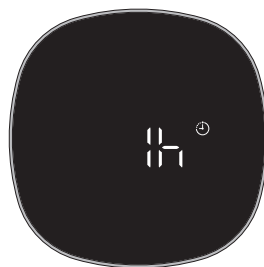


Mute Function

Mute: Press and hold the  button and the "Auto" button simultaneously for three seconds to turn on and off the beep sound.

Auto-Off Function

- 1 While the product is on, press the  button (or the  button on the Remote Control) for more than three seconds.
► Initially, 1h is displayed.
- 2 Press the   button on the control panel (or the   button on the Remote Control) to select the desired run time.
► You can select from 1 hour to 12 hours. (If you do not press the button for five seconds, it returns to the previous display.)
- 3 After selecting the desired run time, press the  button on the control panel for three seconds or longer (or the OK button on the Remote Control).
► You will hear the beep sound and the timer  symbol will be shown on the display.



Note

- When in Auto-Off mode the room air purifier will automatically turn off after the set run time.
- If the power is disconnected the scheduled auto-off time will be canceled, and a new auto-off time will need to be set.

Indoor Air Quality (IAQ) Indicator

- You can check the indoor air quality in real time by using the indoor air quality indicator. This indicator appears as a light around the outer edge of the display monitor.
- The indoor air quality is displayed based on the density of fine particles and VOC density being sensed by the unit.

Color Code

| | Color | Air Quality | PM2.5 Reading ($\mu\text{g}/\text{m}^3$) | VOC Density |
|---------|--------|-------------|---|-------------|
| Level 1 | Green | Good | 0-12 | Low |
| Level 2 | Yellow | Moderate | 13-35 | Medium |
| Level 3 | Orange | Bad | 36-55 | High |
| Level 4 | Red | Very bad | Equal or above 56 | Very high |



Note

- IAQ indicator may not react to some particles and its readings may be different from that of other air quality measuring products and instruments.

Air Purifier & Smart Air Purifier On-Screen Codes

| Code | Meaning |
|------|---|
| Upd | Your unit is processing a product update. |
| App | Confirms connection to app is successful |
| YES | Confirms pairing and connectivity during setup. |
| FAN | Error with fan performance. See Troubleshooting section. |

How to Clean the Product



Note


- Unplug the product before cleaning.
- Clean the air purifier once or twice a month for optimal function.
- In areas with high levels of dust, it is recommended to clean the air purifier more frequently.

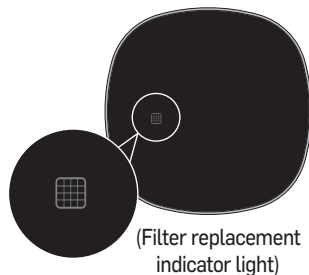
- 1** Power off and unplug air purifier before cleaning.
- 2** Using a damp cloth, clean the exterior of the room air purifier and wipe dry with a soft cloth.
- 3** Open the filter cover on the back and remove the filter. Clean the inside of the filter cabinet with a vacuum cleaner and damp towel.
- 4** Clean the product and the pre-filter once or twice a month.

Cleaning the Filter

- 1** If the filter is extremely dirty, replace it.
 - ▶ Filter contamination may vary depending on your environment and the number of hours you have run the air purifier. The timing of filter cleaning may vary accordingly.
- 2** In between filter replacements, clean the pre-filter with a vacuum cleaner or a soft brush.
 - ▶ Never wash the filter with water.

Replacing the Filter

- 1** The filter replacement indicator light will turn red when it is time to replace the filter. Replace the filter every 6-12 months. (See pages 5-6 for details on installing filter and see page 8 for filter by model information.)
- 2** After replacing the filter, reset the indicator light. Press the  + "Auto" button on the control panel for five seconds or longer to reset the indicator light.

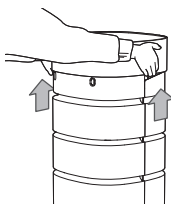


Note The life of the filter depends on your environment and use.

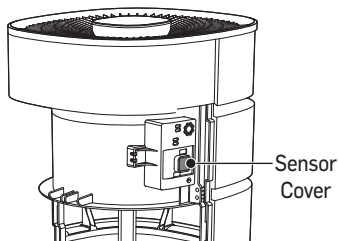
Cleaning the Dust Sensor

- 1** Power off and unplug unit.

- 2** Hold the top cover of the product with both hands and pull up.

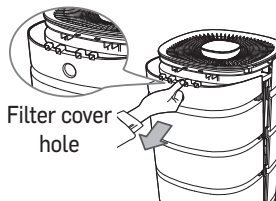


- 4** Remove the cover of the dust sensor located on the right side of the product.

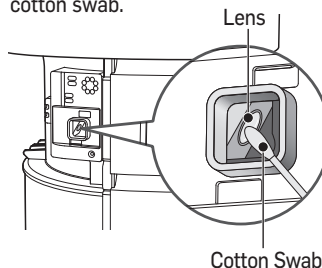


- 6** Replace the cover of the dust sensor. Replace the filter cover. Replace the top cover of the product with the logo facing the front.

- 3** Grasp the filter cover hole on the rear and pull cover out and then up to remove and access filter.



- 5** Wipe the lens and inlet of the dust sensor with a damp cotton swab. Thoroughly dry with a clean, dry cotton swab.



CAUTION










Do not wipe sensor parts with harsh cleaning chemicals, such as acetone, alcohol, etc. It may cause damage to the lens.

Long Term Storage




- 1** Run the product for one hour and then disconnect from the power outlet.

- 2** Cover the product and store in a dry space out of direct sunlight.

Troubleshooting

| Symptom | Check | Solution |
|---|--|--|
| The air purifier does not turn on when pressing the  button. | Is there a power outage? | Confirm the Power is on in your home, then try the  button again. |
| | Is the air purifier plugged in? | Make sure the plug is fully pushed into the outlet, then try the  button again. |
| | Is the power outlet working? | Attempt to plug the air purifier into a different power outlet, then try the  button again. |
| The filter replacement indicator is still on after replacing the filter. | Did you press the  and Auto buttons simultaneously for a least five seconds after replacing the filter and powering up the unit? | Press the  and Auto buttons simultaneously for at least five seconds, until the air purifier makes a "ding" sound. |
| The air purifier is producing a strange smell. | Locate the origin of the strange smell by checking that there is no plastic bag on the filter and by checking the dust or deodorizing filter. Make sure that no visible build-up has occurred on any of the filters. | Remove the plastic bag if it is still on the filter. Periodically vacuum the outside of the pre-filter to prolong its lifetime and avoid substance build-up. If the filter indicator light is on, replace the filter. |
| The air purifier is producing a strange sound. | Was the plastic bag removed from the filter before turning on the air purifier? | When setting up the air purifier for the first time or replacing the filter, be sure to remove the plastic protective wrapping from the filter. |
| The air purifier control panel is not responding. | Is the control lock turned on? | If the control panel lock is engaged, turn off this safety feature by pressing the  and  buttons simultaneously for more than three seconds. |
| The color on the top of the air purifier is orange or red. | Check the fan speed setting on your air purifier. Too low a fan speed can cause an orange or red indicator light. | Red and orange colors are indicating that the particulate and/or VOC sensor is reading elevated levels of pollutants. If your device is in auto mode, the fan speed will increase to draw more air into the air purifier. |
| The app says I entered incorrect Wi-Fi® credentials. | Make sure you have entered the correct Wi-Fi password. If your wireless device has a <i>Caps Lock</i> function, make sure it is turned off. | Re-enter the password and double check all spellings, capitalizations and special characters. |
| The air purifier will not connect to Bluetooth®. | Make sure you are close to the air purifier with the wireless device you are trying to connect. | Move closer to the air purifier to be in better range for pairing. |
| | Make sure you receive a pairing code on the mobile app. | After you confirm the pairing code on the app, press the  button on the air purifier to complete the pairing process. You will hear a "beep" and see YES on the air purifier screen. |
| | Do you have Bluetooth enabled on your wireless device? | Open your settings and turn on Bluetooth pairing. |

Troubleshooting

| Symptom | Check | Solution |
|--|--|---|
| The air purifier will not connect to Wi-Fi. | Check your router settings to ensure you are up-to-date with the latest version. | Make sure your router and wireless device are both updated to the most recent software. |
| | Check the distance between your air purifier and your router. | Move your air purifier closer to your router to avoid distance issues or interference with other smart devices. |
| | Does your router block certain smart devices? | Double check your router settings to make sure you can connect additional smart devices. |
| | Check the router settings for a 2.4 Ghz connection. | Carrier RMAP and RMAP products are supported by 2.4 GHz Wi-Fi. |
| Unable to setup the air purifier. | Confirm you have followed each step of the on-screen and printed setup instructions. | <p>If you are still having trouble setting up your air purifier and have tried the above troubleshooting steps, reset the air purifier and try again.</p> <ol style="list-style-type: none"> 1. Turn off the air purifier but leave it plugged into the power outlet. 2. Press and hold the , , Auto and  buttons simultaneously on the air purifier until you hear a "beep". 3. On your wireless device, go to Settings, then go to Bluetooth. Look for a device listed as "Carrier_#####" (the five numbers will be specific to your air purifier model). Press the info icon to "forget the device". 4. Restart the setup process |
| The Carrier Home app is running slowly and taking a long time to load information. | Make sure you have the latest version of the Carrier Home app. | Log into your app store and download the latest version of the mobile app. |

Customer Support

For customer assistance please call 1-888-320-0909, or go to CarrierAtHome.com for a complete list of Frequently Asked Questions.

For filter replacement, go to CarrierAtHome.com for details.

Warranty

FOR WARRANTY SERVICE OR REPLACEMENT:

Contact Carrier at 1-888-320-0909.

Retain this document for your records.

Model Number _____

Serial Number _____

Date _____

The Carrier Air Purifier and Smart Air Purifier models carry a one-year warranty from the date of purchase. See warranty card for additional details.

Legal Notice

FCC Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 8 inches (20cm) between yourself and the radiator.

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



carrierathome.com 1-888-320-0909

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