



ROOM AIR PURIFIER

User Manual



RMAP-ST
RMAP-XL
RMAP-SST
RMAP-SXL

Features of the Room Air Purifier



Advanced Filtration

Three level filter includes a pre-filter for large particles, a HEPA filter for particles as small as 0.3 micron and an activated carbon filter for odors.



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



Note Functions and specifications may differ depending on the model.

* Wi-Fi® connection required. Works with Alexa®, Google Home® and select Apple® and Android® mobile devices. Free Carrier Home App download required. See User Guide at CarrierAtHome.com for more details.

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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.

**CAUTION**

- Remove the plastic packaging from the filter before use.
- Keep plastic packaging away from children as it may cause suffocation.

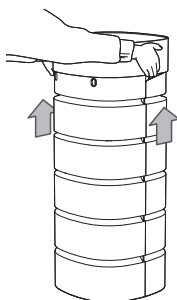
How to Prepare/Change the Filter

- An integrated filter is included with the new product.
- Remove the filter packaging before plugging in the product.

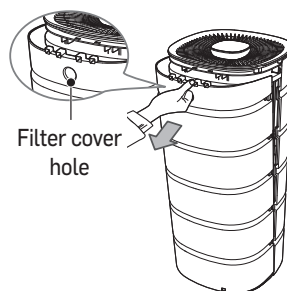


Note You cannot return the filter once the plastic packaging is removed.

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



- 2** Grasp the filter cover hole on the rear and pull it forward.

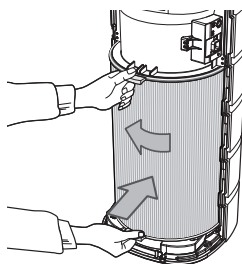


- 3** Remove the filter from the product and then remove the plastic packaging from the filter.

- 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.



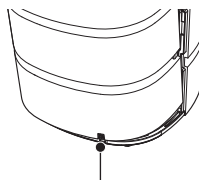
- 4** Slide the filter back into the unit.



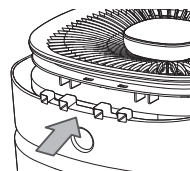
5

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.



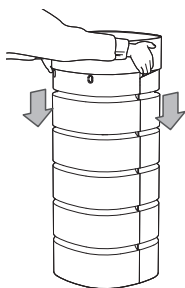
Fixed groove at bottom




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

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

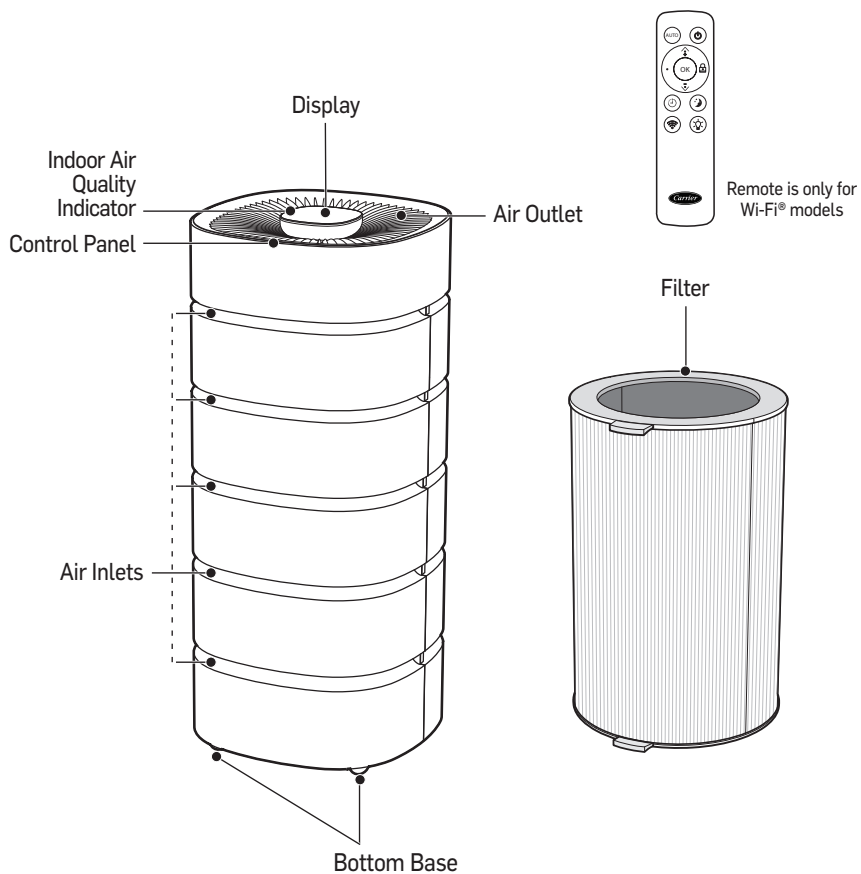
Retain the removed bottom bases and screws for future use.



Note

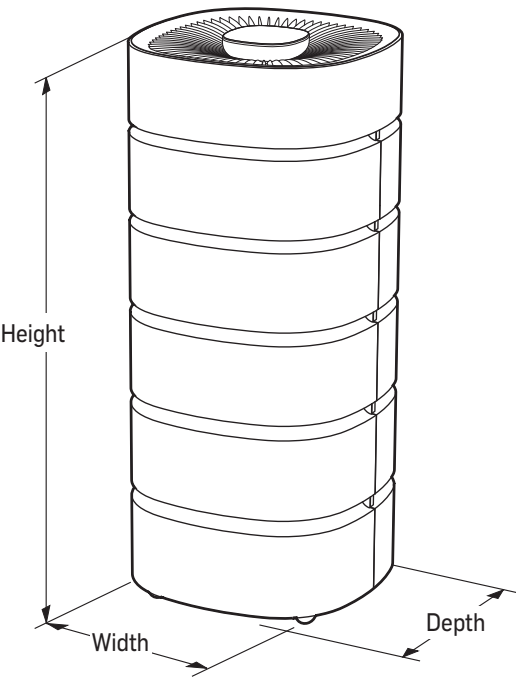
If there is no caster box inside the product box, please contact customer service at 1-888-320-0909.

Carrier Room Air Purifier



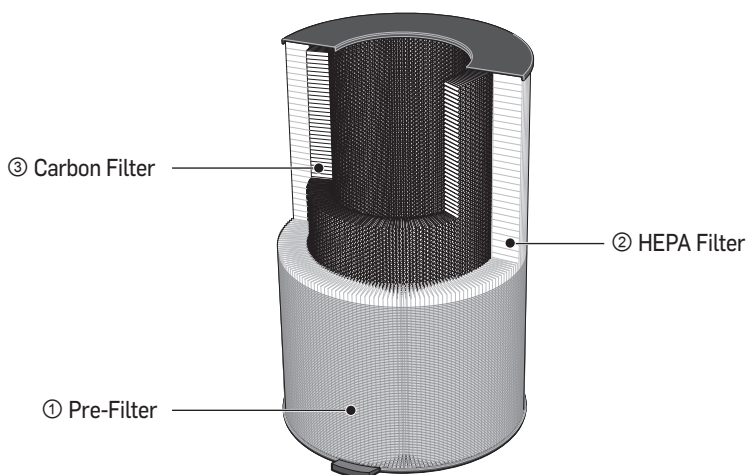
Note Product features and specifications may vary depending on the model.

Product Specifications



Model	Room Air Purifier RMAP-ST	Room Air Purifier XL RMAP-XL	Smart Room Air Purifier RMAP-SST	Smart Room 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.
Filter Replacement Model Number	RMAPFIL-ST	RMAPFIL-XL	RMAPFIL-ST	RMAPFIL-XL

Filter Detail



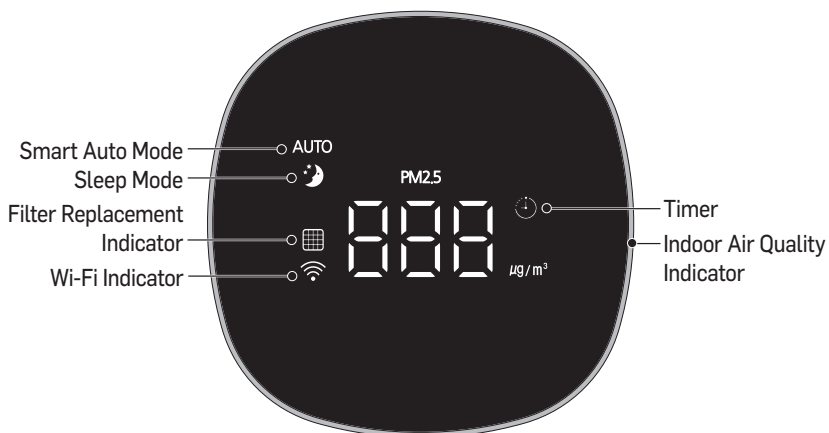
Filter Type	Function
① Pre-Filter (microfiber net)	Removes large dust particles and pollutants.
② HEPA Filter	Removes 99.97% of particles that are 0.3 microns in size.
③ Carbon Filter	Removes odors, gases and VOCs not removed from the HEPA filter.



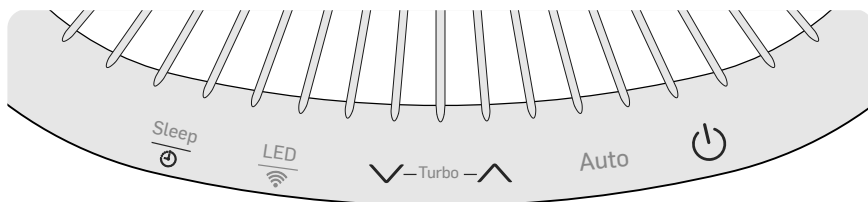
Note

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






Display



Control Panel



Control Panel Descriptions








	Sleep mode / Timer		Use the up arrow to set fan speed as well as time for Auto-off mode
	LED ON/OFF & Wi-Fi® connection	Auto	Smart automatic operation
	Use down arrow to set fan speed as well as time for Auto-Off mode		Power ON/OFF



Note See page 12 for complete list of product operations.

Remote Control

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



Remote Control Battery


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.

Connecting Wi-Fi Models to App

- 1** Download the free Carrier Home app to your device. Enable Bluetooth® on your mobile device.
- 2** Make sure the room air purifier is plugged into an outlet, and is powered on. Bluetooth will automatically turn on.
- 3** Launch the app and sign up for a new account if you do not already have one.
- 4** On the app, tap "Add device" and select the device you want to add to your account.
- 5** Scan the QR code on the back of the air purifier. You will see a six digit pairing code on the app and the unit. Confirm the pairing PIN by pressing  on the unit.
- 6** Select your Wi-Fi® Network and enter your password.
- 7** Your room air purifier is now connected to Wi-Fi. See the list of remote access features below.

Remote Access Features from App

- In app account creation and Wi-Fi provisioning
- View all devices in a dashboard
- View indoor PM2.5 concentration levels
- View indoor TVOC levels
- Control air purifier speed
- Set unit to AUTO mode
- View the remaining filter life
- Place order for new filter
- View outdoor air quality levels
- Alexa and Google Home integration

Normal Operation



Note

When the air purifier turns on, the sensor is initialized and the display shows [_ _] during initialization.

1

Press the button to turn on.

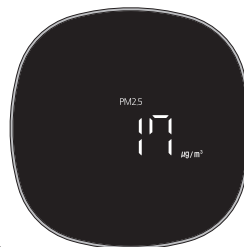
- ▶ The previously selected operation mode will be displayed.

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.



Auto Operation

1

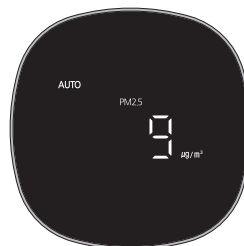
Auto Mode allows the system to determine the fan speed depending on the air quality of the room. Press the button to turn on.

- ▶ 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.

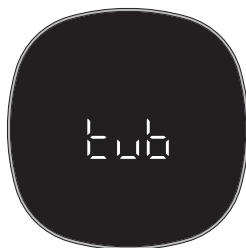


Note







- 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.

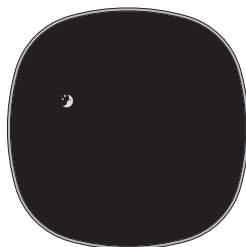
Turbo Fan Operation

- 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
 - Note:** The maximum fan speed in sleep mode is 10 to limit excess noise.
- 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

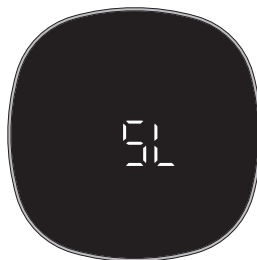
You can set the safety lock function so that children cannot operate the product.

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

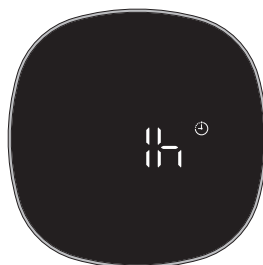
Press the   button on the control panel (or the   button on the Remote Control) to select the desired run time.

► 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.

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.

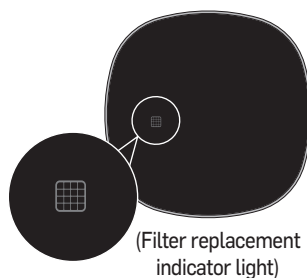
- 1 Using a damp cloth, clean the exterior of the room air purifier and wipe dry with a soft cloth.
- 2 Open the filter cover on the back and remove the filter. Clean the inside of the filter cabinet with a vacuum cleaner and damp towel.
- 3 Clean the product and the pre-filter once or twice a month.

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

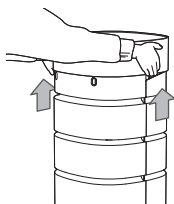
- 1 The filter replacement indicator light will turn red when it is time to replace the filter. Replace the filter every 6-12 months. (See pages 5-6 for details on installing filter and see page 8 for filter by model information.)
- 2 After replacing the filter, reset the indicator light. Press the 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



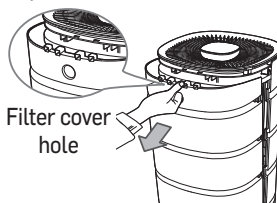
Note The life of the filter depends on your environment and use.

Cleaning the Dust Sensor

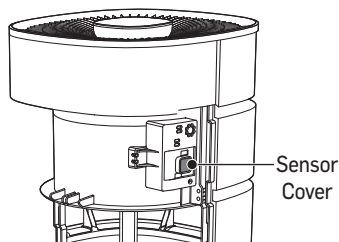
- 1** Hold the top cover of the product with both hands and pull up.



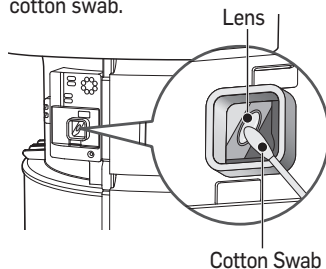
- 2** Grasp the filter cover hole on the rear and pull it forward.



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



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



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

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 product does not turn on when pressing the Power button.	Is there a power outage?	Confirm power is on in the home, then try Power button again.
	Is the power plug connected?	Make sure the power plug is fully pushed into the outlet, and then try power button again.
	Is the power outlet working?	Attempt to plug product into a different power outlet and turn on.
Filter replacement indicator is still on.	Did you press the  + "Auto" button at the same time for more than five seconds after replacing the filter?	When replacing the filter, be sure to press the  + "Auto" button for at least five seconds until the 'ding' sound is heard.
Product is producing a strange smell.	Check if the dust filter or deodorizing filter smells strange.	Replace the filter.
"FAN" flashes on the screen.	Unplug the unit, wait 10 seconds, and then plug the unit back in. Is the "FAN" indicator still flashing?	Unplug the power cord and contact customer service.
When trying to pair my unit to the app, why am I being asked to re-scan the QR code?	Is your phone close enough to the unit so that Bluetooth stays connected?	During the pairing process, stay close to the unit with your phone and be ready to enter the codes when prompted.
The app is saying I entered incorrect Wi-Fi® credentials	Make sure you have your correct Wi-Fi credentials on hand.	Follow the prompts to scan the QR code and start the pairing process again.

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 Room Air Purifier carries 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.



HEALTHYHOMES



Turn to the experts

carrierathome.com 1-888-320-0909

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