# coway

USER MANUAL

AP-2524B

MY

coway

Specification

The specification is subject to minor changes to improve the product performance.

Item	Specification
Product type	Air purifier
Model name	AP-2524B
Rated voltage	220-240 V~, 50/60 Hz
Power consumption	72 W
Filter composition	3-in-1 Composite HEPA Filter (Vacuumable Pre-Filter+Green True HEPA+ Activated Carbon)
Coverage area	92 m^2
Installation location	Indoor
Dimensions (W x D x H)	34 × 34 × 75.3 cm
Product Weight	11.3 Kg
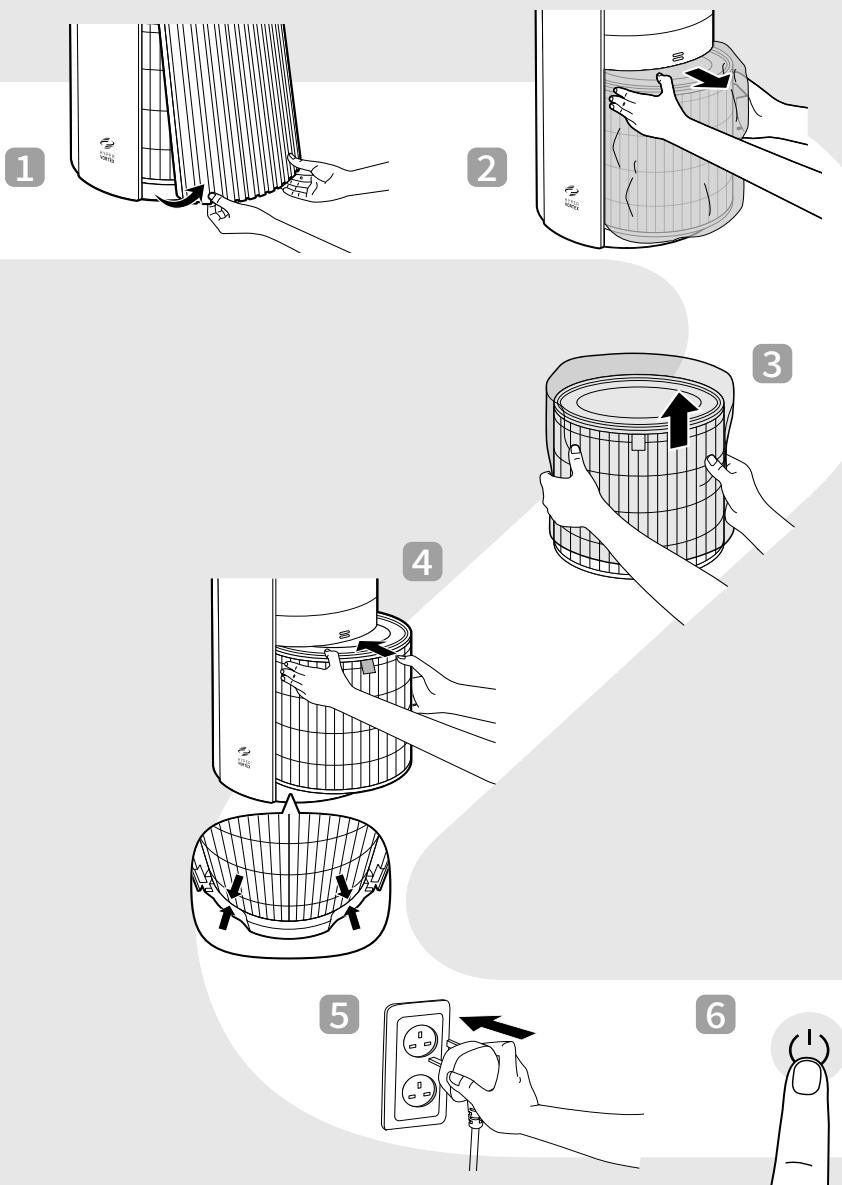
# Table of contents

Quick start guide

Do not operate the product until completing these steps first.
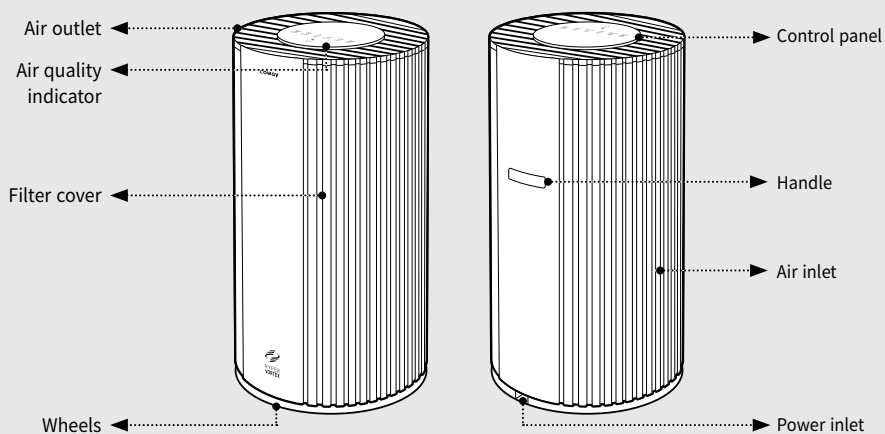
Checking the product
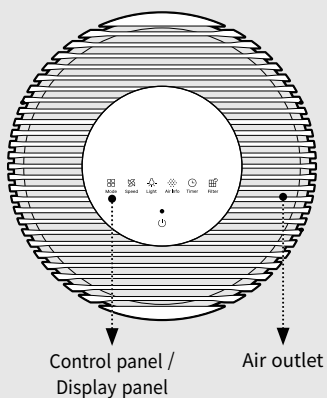
Before installing the air purifier, make sure all of the components are present.
If any items are missing or damaged, contact the customer service center.

Front / back

Air outlet

Air quality indicator

Filter cover

Wheels

Control panel

Handle

Air inlet

Power inlet

Top

Control panel / Display panel

Air outlet
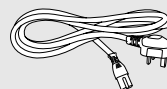
Accessories

User manual
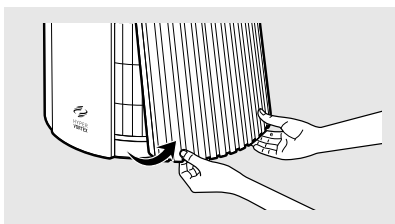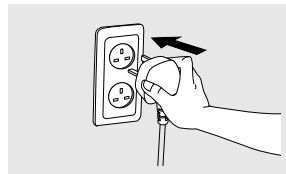
Power cord
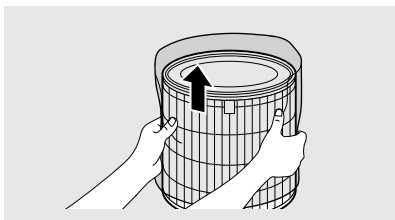
Before use

> ✎ **Note**
>
> · The product uses 220-240 V, 50/60 Hz only.
> · Make sure to connect the power plug to a grounded electric outlet (220-240 V, 50/60 Hz) dedicated to the product.
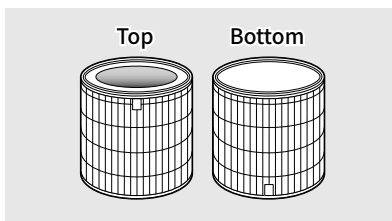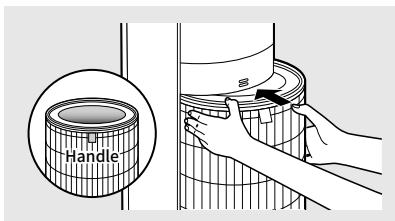
1   Open the filter cover by pulling the lower left/right corners on the right side of the product.
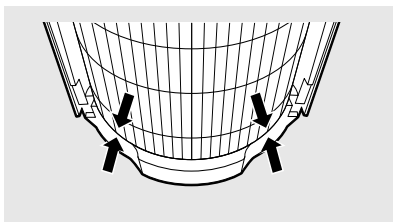
2   Take out the 3-in-1 Composite HEPA Filter and remove the plastic packaging.

3   When assembling the filter, check the top and bottom of the filter and fasten it with the handle facing forward.

     * The open part of the filter is the top, and the blocked part is the bottom.

Handle   Top   Bottom
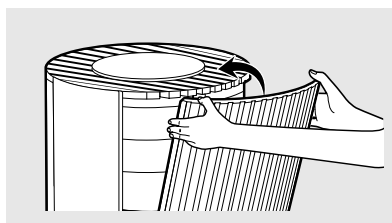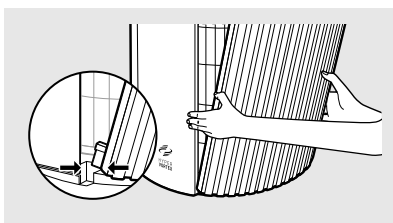
4   When installing the filter, insert it all the way in so that the sides are aligned as shown in the picture.

5   Mount the filter cover.
Align the bottom of the filter cover according to the grooves and push in the cover to fix it.
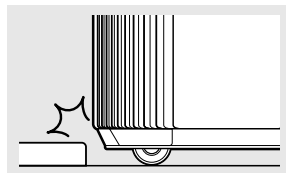
* The product will not operate if the filter cover is not attached correctly.
* A clicking sound indicates that the filter has been fully installed.

✍ **Note**

· The gap between the wheels and the bottom of the product is narrow.

· It may not move smoothly on carpets or uneven floors.

· We recommend lifting and carrying the product over thresholds or obstacles.

Safety instructions

Read and follow all the safety tips and warnings before using the product.

⚠ WARNING

Warning indicates a potentially hazardous situation that may result in death or severe injury to the user or others.

⚠ CAUTION

Caution indicates a potentially hazardous situation that may result in injury to the user or others, or the loss of property.

⚠ WARNING

- Do not exceed the voltage and power rating of the power outlet or connection device.
- This may generate excessive heat and cause electric shock or fire.
- Only use the appropriate type of electric socket for the product. Connecting the product to an incorrect socket may result in damage.
- Do not immerse the product or any of its parts in water. Operate the product only after a qualified technician examines and replaces the parts that were under water.
- Do not handle the power plug with wet hands.
- If the electrical outlet is wet, carefully unplug the product and let the electrical outlet dry completely before subsequent use.
- Do not operate the product if the motor fan fails to operate or is damaged.
- Disconnect the power plug from the electric outlet if strange sounds, smells, or smoke come from the product. Contact the customer service center immediately for instructions.
- Disconnect the power plug from the electric outlet when the product is not in use and before cleaning, inspecting, or replacing parts.
- Use a dedicated electric outlet for the product. Do not connect the product to a power strip that has connections to several other products.
- Do not operate the product if the power plug or cords are damaged.
- Do not forcibly bend, twist, pinch, or damage the power cord.
- Do not force the power plug into an incorrect electric outlet or into a loose electric outlet.
- Contact a qualified technician to install a proper electric outlet.
- If the power cord is damaged, do not replace the cord yourself. Contact the service center to have it replaced.

- Remove the power plug from the electric outlet by grasping the power plug and pulling it gently. Never pull the cord itself to remove the power plug.
- Keep the electric cord away from heat sources.
- Do not attempt to repair the product on your own. Doing so will void your warranty. All repair work must be carried out by a qualified technician.
- 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, contact a qualified electrician. Do not attempt to defeat this safety feature.
- Do not use this product in industrial areas or factories where oil, grease, or dust particles may be present.
- Do not change the filter while the product is operating. Always turn off the product and unplug the power plug before accessing the components inside the product.
- Do not place the product near a humidifier or in humid areas, such as bathrooms or laundry rooms, where the product may come into contact with water.
- Do not place the product near flammable gases, cigarettes, incense, and other combustible materials.
- Do not place the product on a bed or against soft objects, such as curtains.
- Do not clean the product using detergents, paint thinner, or other household solvents.
- Do not spray insecticides or other flammable materials near the product.
- To reduce the risk of fire, electric shock or injury to persons, do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3d printer).
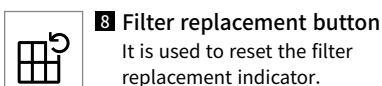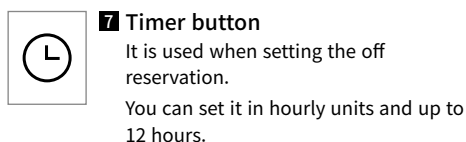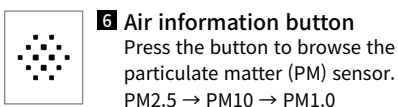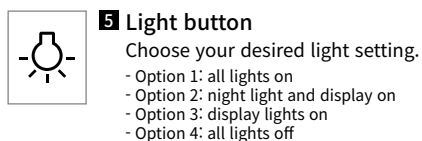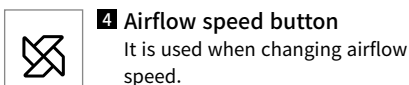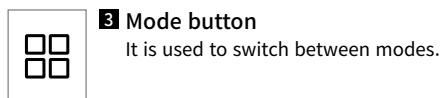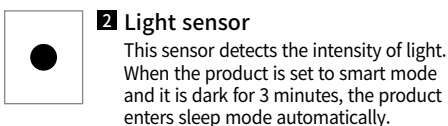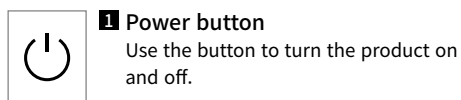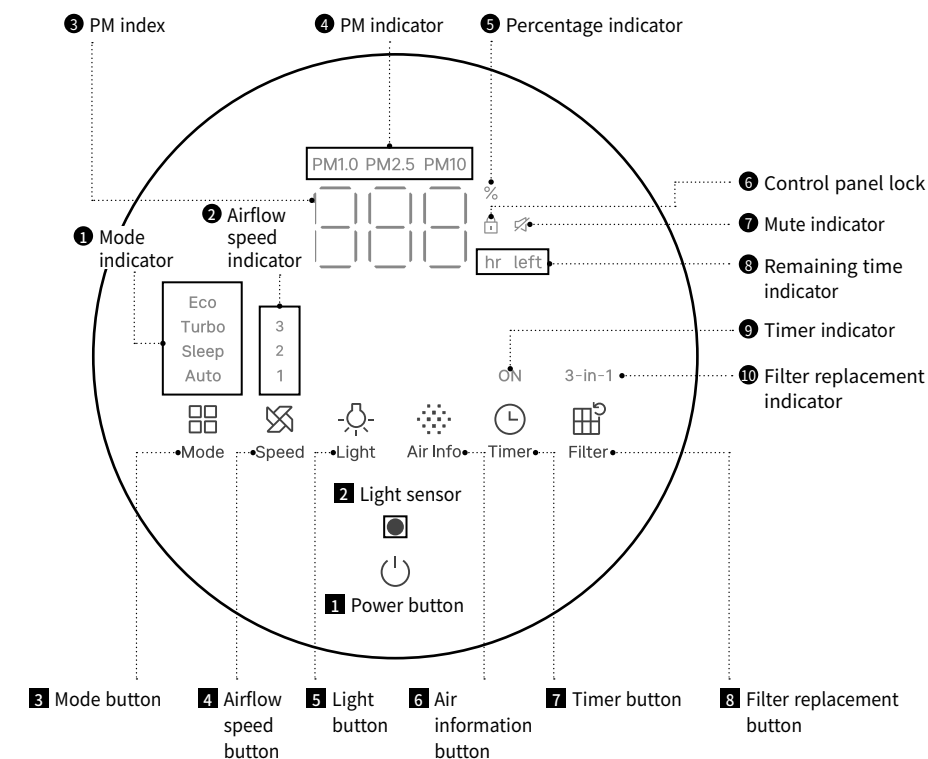
⚠ CAUTION
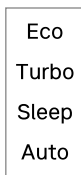
- The appliance is not to be used by children under 8 or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- Do not allow children to play with the plastic wrapping and product.
- Do not use this product with any solid-state speed control device, as it may result in electric shock or fire.
- Do not use an adapter or extension cord, as it may cause fire, shock, or personal injury.
- Do not use attachments or filters not recommended by the manufacturer.
- Exercise caution while removing the components from the product. Ensure that your body parts do not get stuck or scratched while servicing the product.
- Do not insert any objects or finger into the openings of the product. If any objects fall into the openings, immediately turn off the product and unplug the power plug. Contact a qualified technician or the manufacturer to remove the object.
- The 3-in-1 Composite HEPA Filter cannot be cleaned with water. Please remove large dust on the outer surface of the Pre-Filter using a vacuum cleaner or dry cloth.
- Do not block the air outlet of the product. Doing so may decrease the efficiency of the product and increase the risk of injury.
- This product is for household use as described in this manual. Using it in an industrial environment or any other place not recommended by the manufacturer and may result in electric shock, fire, and injury to person.
- Do not place anything on top of the product.
- Change the filters at the recommended intervals so that excess dust does not accumulate.

- Do not place the product where both surrounding sides of the product are blocked.
- Do not place the product in direct sunlight.
- Do not place the product next to or on windows.
- Place the product on a firm, flat, and dry surface that provides sufficient air circulation.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- 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.
- For safety reasons, the Power cord may be detached when using the product. Be careful not to let infants or children touch the detached Power cord.
- If you hold the product with one hand, your hand may be injured, so make sure to hold it with both hands.

READ AND SAVE THESE INSTRUCTIONS
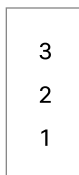
Control panel & indicators

❸ PM index ❹ PM indicator ❺ Percentage indicator

PM1.0 PM2.5 PM10

❷ Airflow speed indicator

❶ Mode indicator

Eco
Turbo
Sleep
Auto

3
2
1

%

hr left

ON 3-in-1

❻ Control panel lock
❼ Mute indicator
❽ Remaining time indicator
❾ Timer indicator
❿ Filter replacement indicator

Mode Speed Light Air Info Timer Filter

2 Light sensor

1 Power button

3 Mode button **4** Airflow speed button **5** Light button **6** Air information button **7** Timer button **8** Filter replacement button

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1 Power button
Use the button to turn the product on and off.

2 Light sensor
This sensor detects the intensity of light. When the product is set to smart mode and it is dark for 3 minutes, the product enters sleep mode automatically.

3 Mode button
It is used to switch between modes.

4 Airflow speed button
It is used when changing airflow speed.

5 Light button
Choose your desired light setting.
- Option 1: all lights on
- Option 2: night light and display on
- Option 3: display lights on
- Option 4: all lights off

6 Air information button
Press the button to browse the particulate matter (PM) sensor.
PM2.5 → PM10 → PM1.0

7 Timer button
It is used when setting the off reservation.
You can set it in hourly units and up to 12 hours.

8 Filter replacement button
It is used to reset the filter replacement indicator.

9

❶ Mode indicator
Eco
Turbo
Sleep
Auto

There are 4 modes. When a mode is selected, it will light up.
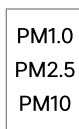
❷ Airflow speed indicator
3
2
1

There are 3 levels of airflow speed. When a speed is selected, it will light up.

❸ PM index
It displays real-time air quality information measured in μg/m³.

❹ PM indicator
PM1.0
PM2.5
PM10

It indicates which particulate matter(PM) concentration is being displayed. If pollution levels are all the same, PM 2.5 Will be displayed.

❺ Percentage indicator
%

It lights up when the value displayed on the filter remaining amount indicator is in percentage units.

❻ Control panel lock
It lights up when the lock function is activated. The lock function is activated by pressing and holding the light button for more than 3 seconds.

❼ Mute indicator
It lights up when the mute function is activated. The mute function is activated by pressing and holding both the speed button and the light button for more than 3 seconds.

❽ Remaining time indicator
hr left

It lights up to show the remaining time when a timer is set.

❾ Timer indicator
ON

It lights up when the timer is set.

❿ Filter replacement indicator
3-in-1

It lights up when you press the filter button to check filter usage or when a filter replacement notification occurs.

⓫ Air quality indicator
It displays colors according to the pollution level.
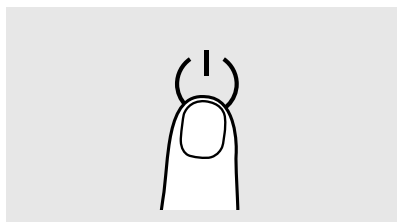
* Level 1 (good): blue / level 2 (moderate): green / level 3 (unhealthy): yellow / level 4 (very unhealthy): red

How to use
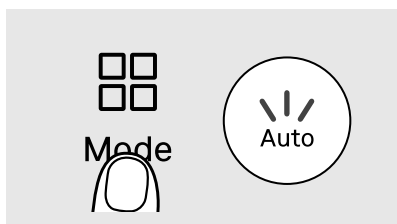
> ✏ **Note**
> · Plug the power cord into an outlet before operating the product.
> · If the product is forcibly turned off or if a power outage occurs, when the product turns on again, it will operate with previous settings.
> · Do the touch the display when the product is powering up.

### Power on/off

Press the power button to turn on/off the product.
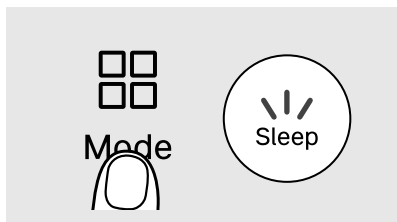
Auto mode

It adjusts the airflow speed according to the indoor pollution levels.

Air quality	Good (Blue)	Moderate (Green)	Unhealthy(Yellow)	Very Unhealthy(Red)
Airflow	Level 1	Level 2	Level 2	Level 3
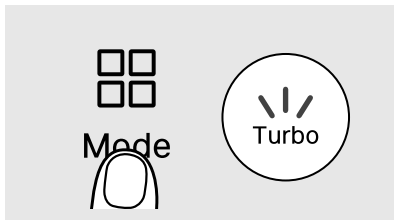
Auto mode's smart features

In auto mode, if the surroundings of the product become dark for more than 3 minutes, sleep mode will turn on automatically. If the surroundings of the product become bright for more than 5 minutes or if any button is pressed, sleep mode will trigger off and return to your initial mode setting.
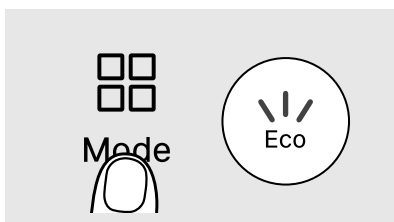
Sleep Mode

This mode turns off all the display lights and operates at the lowest airflow speed. You may turn on or off the night light by pressing the light button.
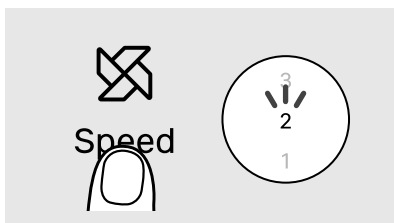
Turbo Mode

This mode accelerates the air purification process with a faster airflow speed than manual mode(level 1~3). At maximum airflow speed, it consumes more energy and may produce noise.
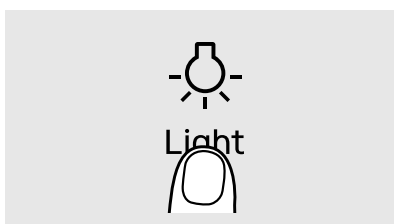
Eco Mode

When no pollution is detected for 10 minutes, airflow will automatically stop to save energy consumption. After 30 minutes, when pollution is detected or if any button is pressed, Auto Mode will resume.

Airflow Speed
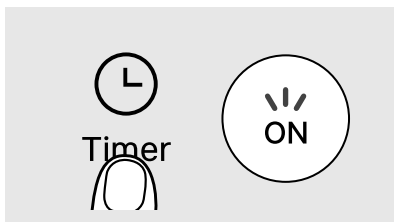
You can choose whichever airflow speed you need.

Light settings

You can choose your desired light settings from the options below.

Option 1: All lights on
Option 2: Night light and display on
Option 3: Display lights on
Option 4: All lights off
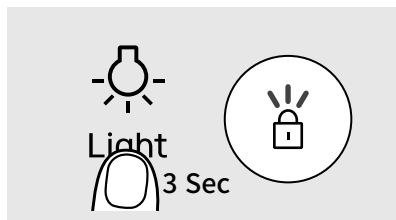
Timer Settings

Set to automatically turn off after 1 to 12 hours as needed.
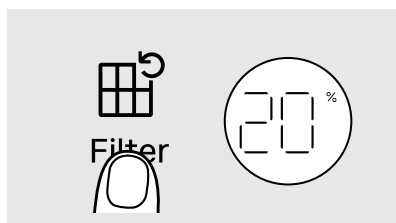
How to use

Control panel lock

You can lock the display settings with the control panel lock. Press and hold the light button for 3 seconds to lock or unlock the control panel.
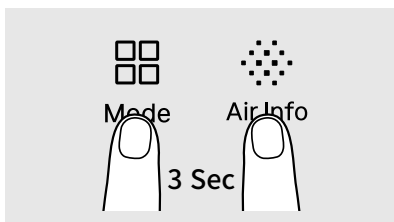
Filter lifespan indicator

Press the filter button to display the filter's remaining lifespan in percentage. The filter's lifespan begins at 100%. When it reaches 5%, the 3-in-1 Composite HEPA Filter replacement indicator will light up.

How to adjust the sensitivity of the air quality sensor
When you operate the product for the first time, the air quality sensor is set at the normal sensitivity.
If the air quality indicator remains at very unhealthy (red) or good (blue) for more than two hours,
you can adjust the sensor's sensitivity as follows.
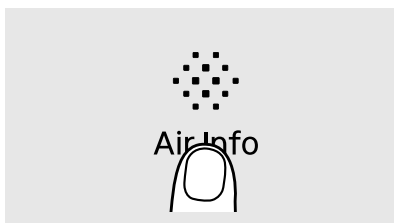
1 While the product is operating, press the mode button and the air information button simultaneously for more than 3 seconds.
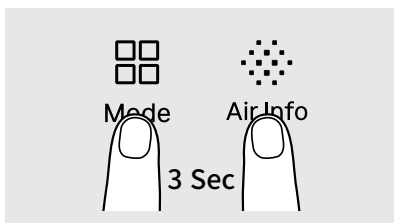

2 The PM index displays the current sensitivity level of the air quality sensor. When the sensitivity is being adjusted, the PM index will blink.

level	1	2	3
Sensitivity	Sensitive	General	Insensitive

3 Press the air information button to choose your air quality sensor's sensitivity.

4 Press and hold both the mode button and the air information button for more than 3 seconds, or leave the buttons unpressed for more than 10 seconds, to apply the selected air quality sensor sensitivity.

PM index guide

	Good (Blue)	Moderate (Green)	Unhealthy (Yellow)	Very Unhealthy (Red)
PM1.0 (μg/㎥)	1~12	13~35	36~55	56~
PM2.5 (μg/㎥)	1~12	13~35	36~55	56~
PM10 (μg/㎥)	1~54	55~154	155~254	255~

▶ For the PM2.5/PM10 pollution level standards, the US EPA guideline was referred to, and for the numeric expression of concentration, the company's algorithm was applied.

▶ The concentration of dust displayed on the product measures the indoor environment real time, so it may differ from the guide of the ministry of environment and may differ depending on the place of use, the measurement method of the environment, etc.

▶ The maximum concentration of dust displayed on the product is 500 μg/㎥ (PM1.0/PM2.5) Or 999 μg/㎥ (PM10).

▶ If the humidifier is operated near the purifier, the air quality measurement may rise.

▶ As the ultrasonic humidifier has large humidifying droplet particles, the dust sensor can recognize them as dust, thereby causing a malfunction in the dust sensor. So use it away from the purifier.

▶ If the dust air quality level continues to display the maximum number of PM1.0/PM2.5 :

500 μg/㎥ / PM10 : 999 μg/㎥, the sensor is contaminated. Therefore, clean the dust sensor, turn off the power of the product and then turn on again so that it can operate normally.
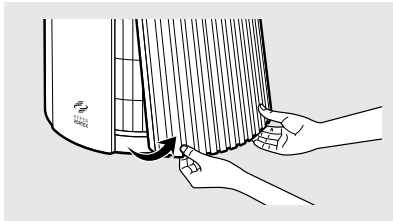
How to clean
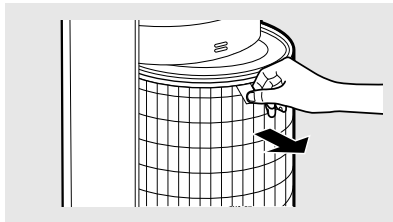
> **✎ Note**
> · Always unplug the power cord before cleaning the filter.
> · The pre-filter can be cleaned by vacuum or dry cloth.
> · Failure to clean the pre-filter for a long time may result in poor product performance.
> · 3-in-1 Composite HEPA Filters are not separable and can be damaged by water.
> · Cleaning/maintenance cycle may vary depending on usage and environment.
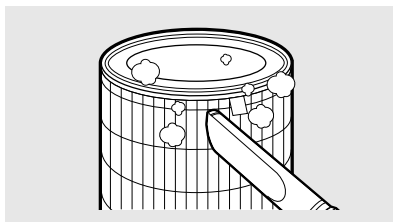
### Pre-filter (clean every 2-4 weeks)

1 Remove the cover by pulling the bottom corners on the right side of the product.

2 Hold the filter handle and remove it, then clean the pre-filter mesh.

* When removing the dirty filter, hold the filter tab and pull it out. Proceed slowly to prevent dust from falling out.
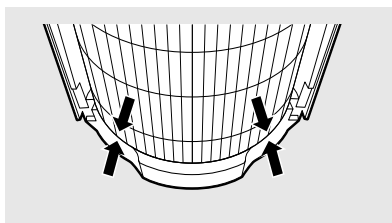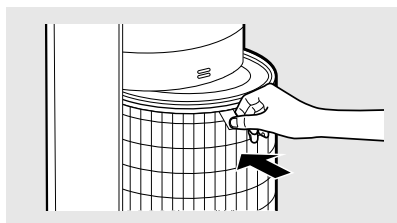

3 Remove dust using a vacuum cleaner or a dry cloth according to the level of contamination. (Filters are not separable and can be damaged by water.)

* Be careful to prevent dust from falling inside the product during cleaning.
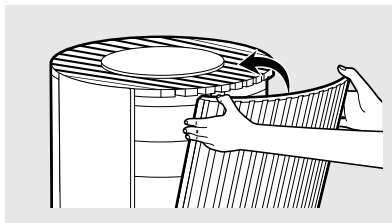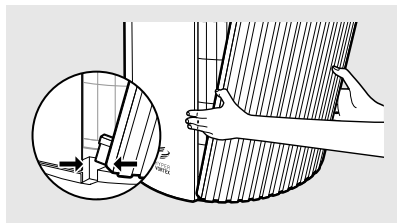
4 After cleaning, hold the filter tab and reattach it to the product.

* When assembling the filter, insert it all the way so that the surface is aligned as shown in the picture.
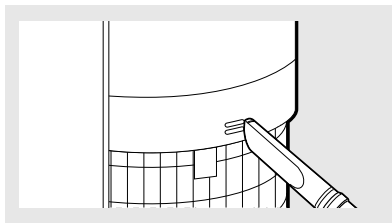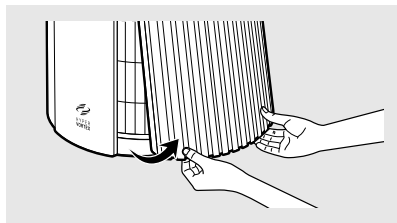

**5** Align the filter cover from the bottom, and push in until you hear a click.
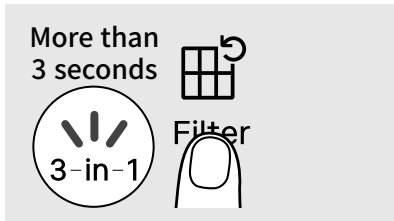
Cleaning of air quality sensor (every 2 months)

1 If dust or foreign objects accumulate near/on the air quality sensor, it may detect higher concentrations of dust. Please use a vacuum cleaner to clean the area around the air quality sensor.

* Set the vacuum cleaner to the lowest suction level before cleaning.

How to replace filter

More than 3 seconds
3-in-1
Filter

How to reset filter indicator

If the filter usage reaches 95% or more, the 3-in-1 Composite HEPA Filter replacement indicator will light up. When this happens, you may replace the filter. After replacing the filter, hold the filter button for 3 seconds to disable the icon and reset the notification.

How to replace filter

- Refer to the filter installation method on page 5~6 to replace the filter.
- Be sure to check the front side when installing the filter.
- Use genuine COWAY filters to maintain optimal performance of the product.
- Always unplug the power cord before replacing the filter.

Filter cleaning and replacement cycle

Clean the Pre-Filter once every 2 - 4 weeks (page 16).
Replace the entire 3-in-1 Composite HEPA Filter once annually.
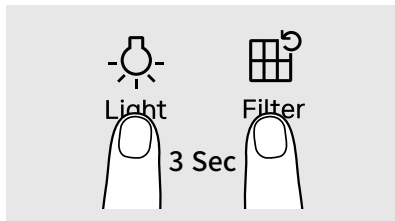
* Based on using for 8 hours per day in turbo mode, the filter replacement notification indicator turns on after using it for about 1 year.

* After replacing the filter, be sure to press the filter button for more than 3 seconds to reset the filter replacement indicator.

* Filter replacement cycle is just a recommendation, and it depends on the environment of use.

* The 3-in-1 Composite HEPA Filter cannot be cleaned with water. Please remove large dust on the outer surface of the pre-filter using a vacuum cleaner or dry cloth.
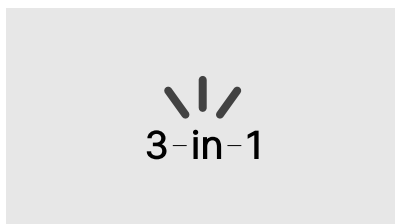
How to reset your filter usage
You can manually reset your filter usage preemptively.
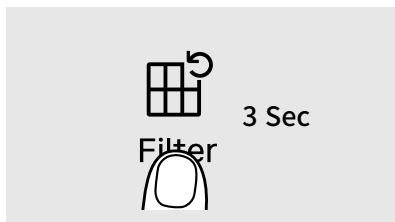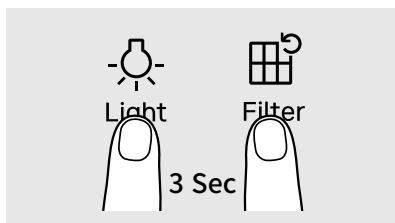

1 Press the light button and filter replacement button for more than 3 seconds.

2 The 3-in-1 indicator will blink and the filter amount usage will appear on the PM index.

3 Press the filter button to reset the remaining filter usage.

4 Press the light button and filter button for more than 3 seconds or leave it for 10 seconds to fully reset the filter usage.

Troubleshooting

Before contacting the customer service center, please attempt the following solutions.

All other servicing should be done by coway authorized service center.

symptom	Checkpoint	Measures to take
No air is coming out.	• Is the Power cord plugged in?	Before use, please securely attach the detachable power cord to the product. Plug the Power cord into a 220-240 V, 50/60 Hz outlet.
	• Are all the indicators off?	Press the Power button and select the desired function.
	• Is there a power outage?	Use the product after electricity is restored.
The air speed has weakened considerably.	• Has the pre-filter been cleaned?	Check the filter replacement Indicator and clean the pre-Filter.
The air quality does not change.	• Is there dirt on the area where the air quality sensor is located?	Clean the air quality sensor. (Refer to P. 17)
	• Does the air quality remain at High?	Adjust the air quality sensor's sensitivity to insensitive or general. (Refer to P. 14)
	• Does the air quality remain at Low?	Adjust the air quality sensor's sensitivity to sensitive or general. (Refer to P. 14)
There is a bad smell coming our of the air outlet.	• Have you installed a new product?	When using for the first time, there may be a new filter smell. Please run the purifier for several hours.
	• Is it past the filter cleaning and replacement period?	Check the filter replacement indicator and replace the filter when the 3-in-1 light is on.
	• Are you operating the product in a humid and polluted location?	When using the product in a contaminated area, we recommend keeping a distance.
The air quality indicator is flashing.	• Contact the customer service center.	
Other functional defects	• Plug/unplug the product or turn the product on/off. If the problem persists, contact the customer service center.	

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