

NOBLE

Noble Air Purifier User Manual

AP-2023K

MY

Please read the user manual for your safety and correct usage of appliance. Use cautions for proper storage of the appliance.

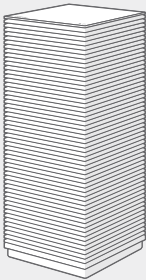
Dear customers

Thank you for using the Coway Air Purifier.

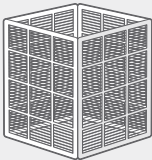
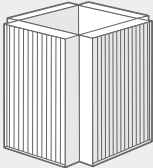
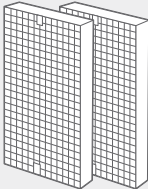
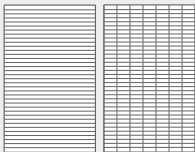
Please read this user manual carefully for correct use and maintenance of the appliance.

You can refer to the user manual to troubleshoot for appliance issues while using it.

Product Box

Air purifier	User Manual	Quick Start Guide	Power cord
			

Filter composition

4D pre-filter	Copper HEPA filter(4D)	Deodorization filter	Air Matching Filter
			

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Danger Death or serious injury may occur if the instruction is not followed.



Power

Electric shock/Fire

- Do not use a damaged or loose outlet.
- Make sure to connect the power plug to a 220 V – 240 V~ 50Hz, 60Hz outlet.
- Do not pull on the power cord to move the device.
- Do not touch the power plug with wet hands.
- To avoid damaging or warping the power cord, do not use excessive force to bend the power cord.
- Do not plug or unplug the power plug repeatedly.
- If water got into the power supply section, then disconnect the power adapter and completely dry it before use.
- Make sure the product is unplugged while the product is being repaired, inspected, or when its parts are being replaced.
- If there is any dust or water on the power plug's pins and contact area, wipe them off completely.
- Do not connect multiple products to one power outlet. Use a separate socket for the product.
- If you don't use it for a long time, then disconnect the power adapter.
- Do not modify the power cord arbitrarily.
- If the power cord is damaged, do not attempt to replace the cord. Instead, contact the service center to replace it.



Install

Fire
Fire/Electric shock/
Malfunction
Electric shock/Fire

- Do not install the product near an electric heating device.
- Do not place the product on top of an electrical appliance such as heater or television.
- Do not use or store in areas with high levels of humidity, dust, water, or flammable gas and substance near the product.

Danger Death or serious injury may occur if the instruction is not followed.



- | | |
|------------------------------|--|
| Electric shock/Fire | • If there is any strange noise, burning smell, or smoke from the product, immediately unplug the power cord and contact the service center. |
| Electric shock | • Never immerse the product in water. |
| Fire/Performance degradation | • Do not spray flammable substances, such as pesticides or air fresheners, into the air inlet. |
| Electric shock/Damage | • Do not arbitrarily open, repair, or improve the product. |
| Fire/Damage | • Do not place bowls filled with water, chemicals, food, small metals, or flammable substances on top of the product. |
| Electric shock/Fire | • Unplug the power cord before cleaning the product. |
| | • If the product falls during use and gets wet, be sure to have it inspected by the service center before using it again. |
| Electric shock | • Do not spray water or use benzene or thinner on the product to clean it. |
| Injuries/Failures | • Do not insert fingers or foreign objects such as pin, stick, coin, etc. into the air outlet. |
| Performance degradation | • When the filter replacement time comes, replace it with a new one. |

Warning Severe injury or property damage may occur.



Power

Fire
Fire/Electric shock/
Malfunction

- Do not pull the power cord.
- Plug the product into an outlet connected to an electric leakage breaker (sensitivity current less than 30 mA).



Install

Electric shock/Fire

- Do not use the product in a place where it can be in direct contact with water, such as public bathroom, shower room, or swimming pool.

Warning Severe injury or property damage may occur.



Injury

- This product contains UV-C emitters, so if the product is not operated as instructed, or if the housing is damaged, harmful UV-C radiation may escape.
- Even a small amount of UV-C radiation may cause harms to human eyes and skin.
- If UV-C emitters are damaged, do not attempt to replace the cord. Instead, contact the service center to replace it.
- Do not operate the UV-C LED while it is removed from the product.
- Before replacing the filter, or cleaning or maintaining the product, please disconnect the power first, and make sure all parts are in the right place before energizing the product again.
- Do not operate the damaged product.

Caution Minor injury or property damage may occur.



Power

Electric shock/Fire

- Do not unplug or move the power plug while driving.
- If there is any strange noise, burning smell, or smoke when using the product, immediately unplug the power cord and contact the service center.

Caution Minor injury or property damage may occur.



Install

Injury/Damage
Performance
degradation
Radio interference
Performance
degradation

Discoloration/
Decolorization

- Do not install it on a tilted surface or a high place.
- Maintain at least 20 cm from walls and surrounding objects.
- Install the product where it is not blocked from any side.
- Install at least 2 m from electronic appliances such as TV.
- Do not use the product in a place where there is too much odor, smoke, or grease around it such as in a restaurant or barbecue place.
- Install the product away from direct sunlight.



Use

Malfunction
Injury/Damage
Injury/Malfunction

- Do not apply excessive force on the product.
- Do not push or lean on the product. The product may fall.
- Holding the filter cover and shaking the product may cause damage, so be careful.

Ventilation
Malfunction
Abnormal
combustion/Smell

- Periodically ventilate when using in an enclosed space.
- Make sure the air outlet is not blocked by laundry, curtain, etc.
- The 4D Prefilter must be periodically vacuumed or cleaned with water, and dried thoroughly in a well-ventilated area before use.

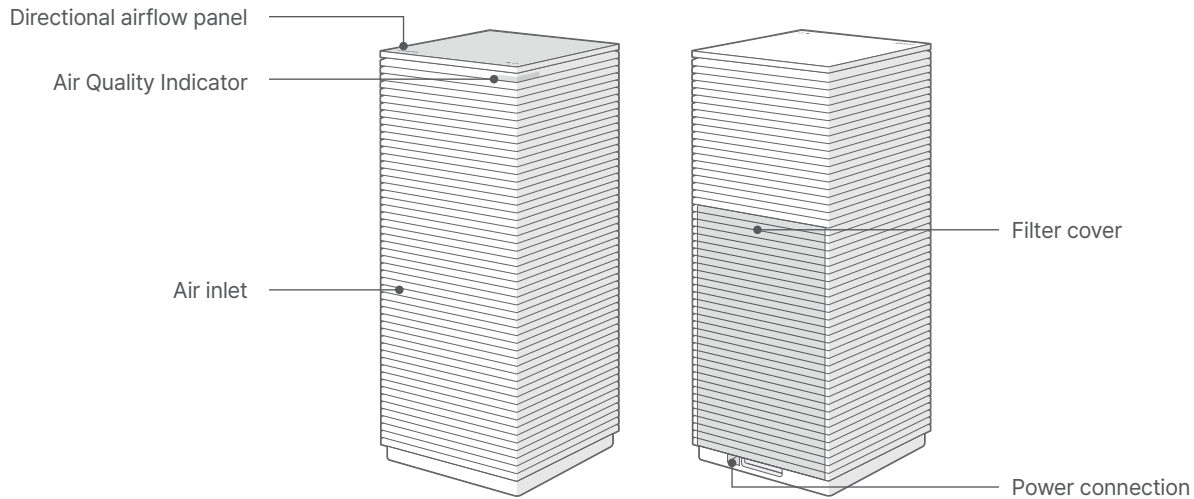
Injury/Malfunction

- Anyone who has an insufficient physical, sensory, or mental ability (including children) must be supervised or instructed to use the product.

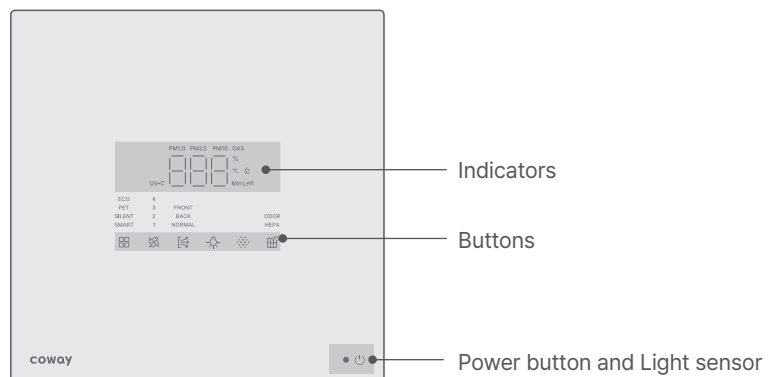
Electric shock

- Children shall not play with the appliance.
- The power cord may be disconnected when pulled for safety purposes. Do not allow infants or children to touch the separated power cord.

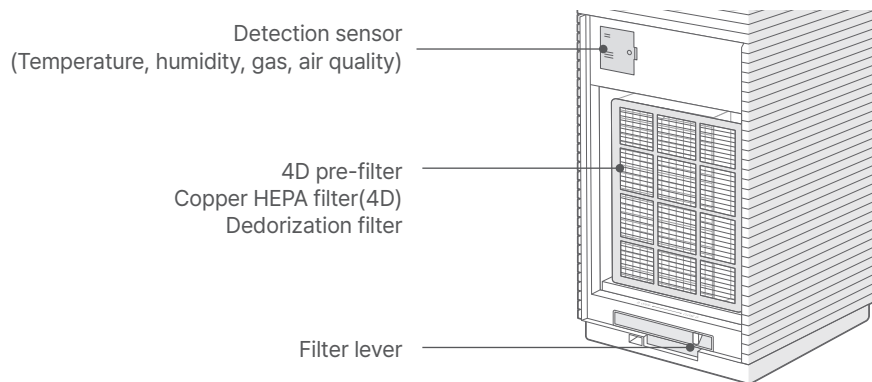
Front/Rear



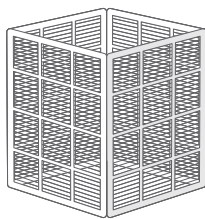
Top



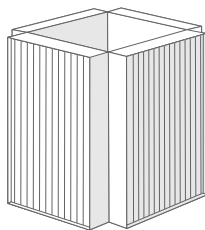
Bottom



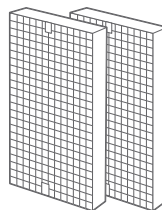
Filter



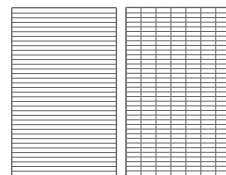
4D pre-filter



Copper HEPA filter(4D)



Deodorization filter



2 air matching filters

3 Filter Installation and Replacement

Filter Type

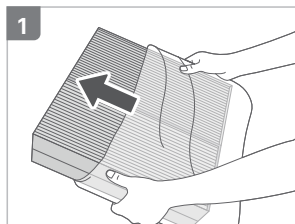
Name	Configuration	Function	Cleaning/ Replacement Time	Maintenance Method
4D pre-filter	4 pre-filters	A basic four-sided filter that removes large dust, mold, hair, pet hair.	1 time / 2 weeks	Clean and wash
Copper HEPA filter(4D)	4 Copper HEPA filters	This is a complex filter that combines a multi-cube deodorization filter effective in removing odors and harmful gases and a HEPA filter with antibacterial treatment removes that takes care of ultra-fine dust.	1 time / 12 months	Replacement
Deodorization filter	2 deodorization filters		1 time / 24 months	Replacement
Air Matching Filter	2 air matching filters	As the filters that can be selected based on your lifestyle and environment, you can choose two filters from four filter types (allergen/ smoke / pet / fresh home filter / find dust / kitchen) for use.	1 time / 4 months	Replacement



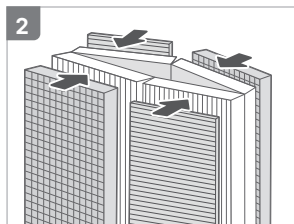
- The filter cleaning and replacement cycle may vary depending on usage environment and time.
- If you operate the device for 8 hours everyday at the maximum speed, the HEPA filter replacement indicator will light up after about one year of use.
- If you operate the device for 8 hours everyday at the maximum speed, the deodorization filter replacement indicator will light up after about two years of use.

Filter installation

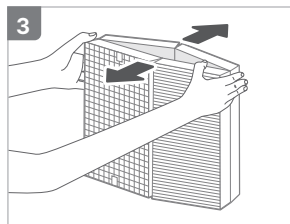
01. Before installation



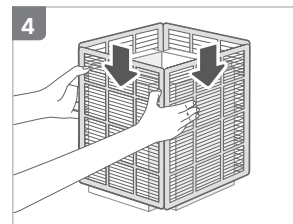
Remove the plastic packaging of the Copper HEPA filter(4D)



Assemble the air matching filter and deodorization filter to the Copper HEPA filter(4D)

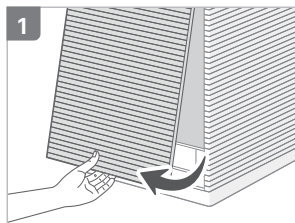


Unfold the Copper HEPA filter(4D)

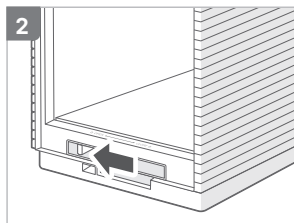


Mount the 4D pre-filter

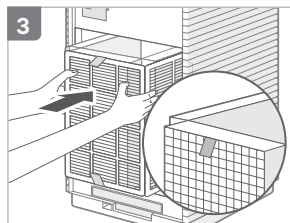
02. Filter installation



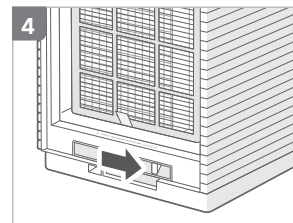
Pull the lower part of the filter cover behind the appliance to open it



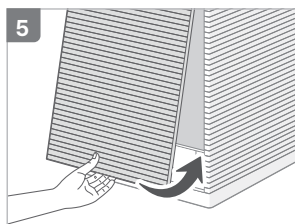
Push the filter lever to the left



Place the assembled 4D filter with the handle facing outward



Push the filter lever to the right



Align the top of the filter cover with the groove and slide it to close



• The appliance will not operate if the filter cover is not fixed correctly.

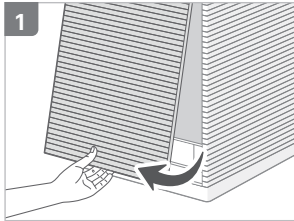
3 Filter Installation and Replacement

Filter Replacement

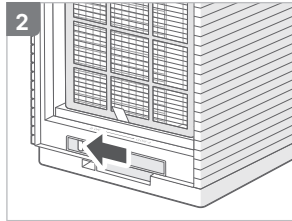
Replace the filter when the filter replacement indicator lights up.

Use the genuine Coway filter to maintain optimal performance of the product, and always unplug the power cord before filter replacement. The 4D pre-filter is used after vacuuming or washing with water.

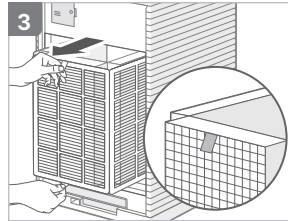
- How to clean a 4D pre-filter: Refer to page 26



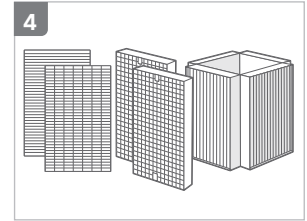
Pull the lower part of the filter cover behind the appliance to open it.



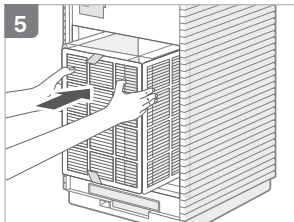
Push the filter lever to the left



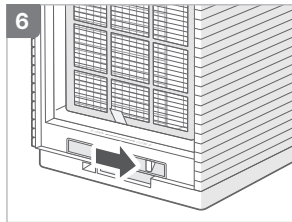
Take out the filter while holding its handle



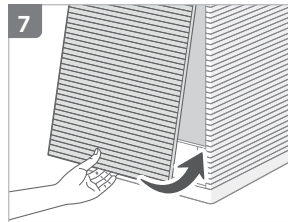
Check the appliance to replace from the air matching filter, deodorization filter, and Copper HEPA filter(4D), then replace.



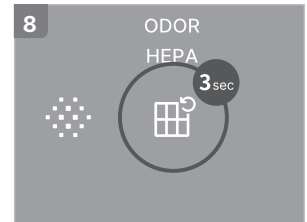
Mount the filter



Push the filter lever to the right



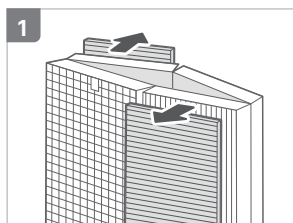
Align the top of the filter cover with the groove and slide it to close.



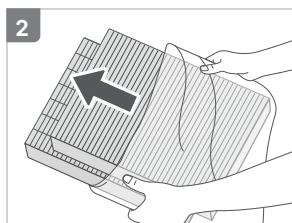
Press and hold the filter replacement cycle button for about 3 seconds or longer to reset the replacement indicator.

How to Replace by Filter Type

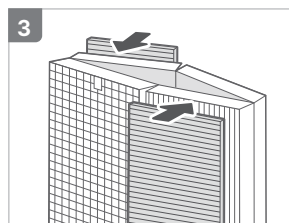
* Air matching filter (Replace every 4 months)



Remove an air matching filter from a detached Copper HEPA filter(4D)

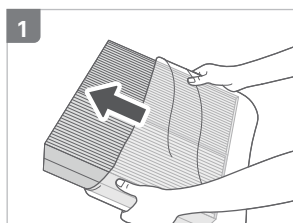


Remove the filter packaging of the new air matching filter

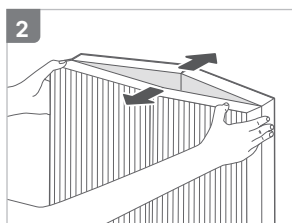


Fit it into the grooves of the Copper HEPA filter(4D)

• Copper HEPA filter(4D) (Replace every 12 months)

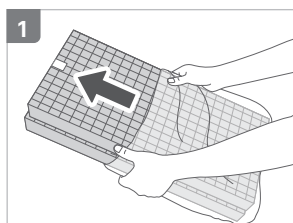


Remove the plastic packaging of the new Copper HEPA filter(4D)

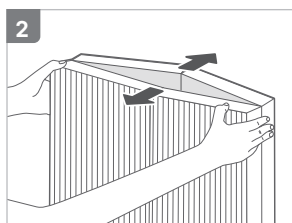


Unfold the Copper HEPA filter(4D) in a rectangular shape

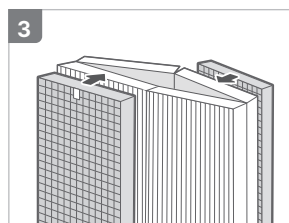
• Deodorization filter (Replace every 24 months)



Remove the plastic packaging of the new deodorization filter



Unfold the Copper HEPA filter(4D) in a rectangular shape

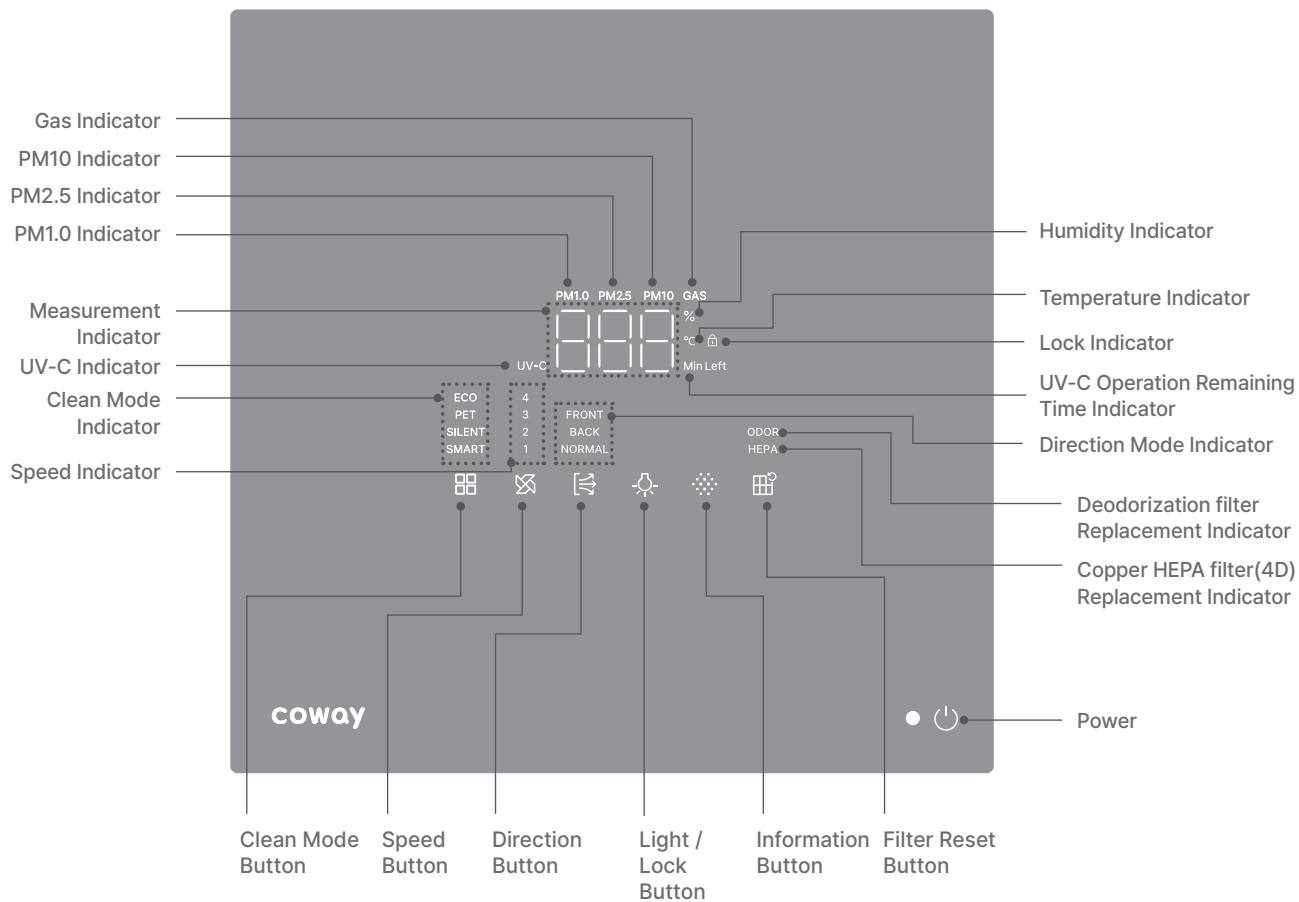


Fit it into the grooves of the Copper HEPA filter(4D)

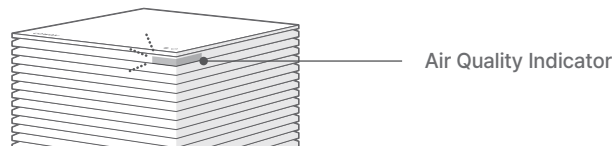


• The filter replacement cycle may vary depending on usage environment and time.

Top



Front





Clean Mode Button

Press the Clean Mode button to select the desired mode.



Speed Button

Press the Speed button to select the desired air speed.



Direction Button

Press the Direction button to select the desired air direction.



Light/Lock Button

Use is when turning the appliance and air quality indicators on or off.

[When used as a light button]

When pressing the button with the overall and air quality indicators on, you can turn the indicator on and off in the following order: Air quality indicator OFF → All indicators OFF (except for light button/measurement indicator) → All indicators ON → Air quality indicator OFF.

[When used as a lock button]

You can lock all the buttons by pressing and holding this button for more than 3 seconds. Press the button again for more than 3 seconds to unlock the buttons.

- When pressing a button while it is locked, it informs a locked status with a lock (🔒) display and a beep, and 'Loc' is displayed on the measurement indicator.



Power

Use the button to turn the appliance on and off.



Information Button

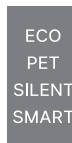
It checks the current indoor dust concentration (PM1.0, PM2.5, PM10), gas concentration, humidity, temperature, and UV-C operation time remaining.

- UV-C operation time remaining can be checked during UV-C operation only.



Filter Reset Button

It indicates the usage of 4D dimension filter installed in the product as a number. When the filter indicator lights up (when the filter usage is above 90%), replace the filter and press the button for about 3 seconds to reset the filter usage.



Clean Mode Indicator

Each indicator lights up when the mode is selected.



Speed Indicator

The current air speed lights up.



Direction Mode Indicator

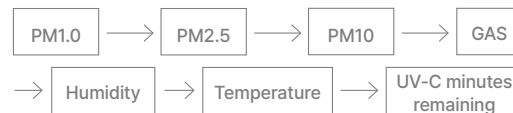
Each indicator lights up when the circulation mode is selected.



Measurement Indicator

It shows dust concentrations (PM1.0, PM2.5, PM10), gas concentrations, humidity, temperature, and UV-C operation time remaining.

- UV-C operation time remaining can be checked during UV-C operation only.



UV-C

UV-C Indicator

The indicator lights up when UV-C inside the appliance is operated.

- UV-C sterilization is operated for about 20 minutes twice a day, with a 12-hour gap between each run.
- The directional airflow panel remains closed during UV-C sterilization.
- During UV-C sterilization, the air quality indicator on the exterior of the appliance lights up in white for about 30 seconds.

PM1.0

PM1.0 Indicator

If you press the Information button and select PM1.0, the PM1.0 concentration ($\mu\text{g}/\text{m}^3$) is displayed on the measurement indicator.

PM2.5

PM2.5 Indicator

If you press the Information button and select PM2.5, the PM2.5 concentration ($\mu\text{g}/\text{m}^3$) is displayed on the measurement indicator.

PM10

PM10 Indicator

If you press the Information button and select PM10, the PM10 concentration ($\mu\text{g}/\text{m}^3$) is displayed on the measurement indicator.

GAS

Gas Indicator

If you press the Information button and select GAS, a gas concentration level (1~4) is displayed on the measurement indicator.

°C

Temperature Indicator

If you press the Information button and select temperature, the current temperature is displayed on the measurement indicator.

%

Humidity Indicator

If you press the Information button and select humidity, the current humidity is displayed on the measurement indicator.

**Lock Indicator**

If a lock is set, it is displayed.

Min Left

UV-C Operation Remaining Time Indicator

If you press the Information button and select remaining minutes, the UV-C remaining operation time is displayed on the measurement indicator.

- UV-C operation time remaining can be checked during UV-C operation only.

ODOR
HEPA**Filter Replacement Indicator**

The indicator turns on when there is 10% or less remaining in the filter life.

**Air Quality Indicator**

(Located at the front top right of the appliance)

Indicates the current in-room air quality in different colors.

- It displays with colors the worse air quality between dust concentration and GAS.
- However, if dust concentration and GAS have the same measurement, it is displayed based on dust concentration.

Good: Blue, Normal: Green, Bad: Yellow,
Very Bad: Red

Air Quality Indication Guide

Classification	Good (blue)	Normal (green)	Bad (yellow)	Very bad (red)
PM 1.0 (μg/m ³)	0 ~ 15	16 ~ 35	36 ~ 75	76~
PM 2.5 (μg/m ³)	0 ~ 15	16 ~ 35	36 ~ 75	76~
PM 10 (μg/m ³)	0 ~ 30	31 ~ 80	81 ~ 150	151~
Gas Level	1	2	3	4

- PM1.0, PM2.5, PM10 concentration guide and color display criteria are based on the guide provided by the Ministry of Environment and for the numeric expression of concentration, the company's algorithm is applied. The normal is set as default for the appliance air quality, and the setting can be changed to sensitive or insensitive.
- The 4-step air quality indicator is based on the worse measurement between PM1.0, PM2.5, PM10 and gas level.
- The concentration of dust displayed on the appliance 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 value of dust concentration displayed on the appliance is 500 μg/m³.
- 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 500, the sensor is contaminated. Therefore, clean the dust sensor, turn off the power of the appliance and then turn on again to use it.

2 How to Use

Tips

- Plug the power plug into an outlet before operating the appliance.
- When the appliance is turned on for the first time, it operates in Power Off, and afterward, it operates in the previously used mode.
- Depending on the use environment (around a construction site, around a road side, using a vacuum cleaner, cleaning blanket/clothes, around a fabric couch, etc.), dust concentration may differ.
- In the following cases, the dust concentration may be displayed higher. ① When using in a space with hairy carpets nearby or in hospitals with hairy pets, clothing shops, highly humid places, or places where smoke occurs ② When using a humidifier, electric rice cooker, water spray, or spray ③ When using in a space where outside air is flowed in (around an air conditioning facility, ventilation system of the apartment complex, or drafty windows/doors)
- There may be differences in displays of dust, temperature, humidity, gas level, etc. by using different appliances in the same place or by internal ventilation. The values on display may differ by measuring instruments or appliances.
- The gas air quality may not change even when there is a strong odor if the strength of gas is consistent without changes.
- Materials with intense odor such as diffusers, deodorants, cleaners, etc., may affect the gas air quality.

01. SMART Mode

Press the Clean Mode button to set the SMART Mode.

- The air speed is automatically adjusted according to air quality, and the air direction is also changed if highly polluted
- If the ambient light dims to 2 lux or less, it will enter a sleep state after about 3 minutes and operate at the minimum air speed in the directional airflow panel closed state.

Button operation



02. SILENT Mode

Press the Clean Mode button to set the SILENT Mode.

- During SILENT Mode operation, it operates with the directional airflow panel closed.

Button operation



03. PET Mode

Press the Clean Mode button to set the PET Mode.

- In PET Mode, it operates with the air direction and air speed automatically changed for about 10 minutes, and returns to SMART Mode after about 10 minutes.

Button operation



04. Eco mode

Press the Clean Mode button to set the Eco mode.

- It operates in the Eco Mode that is set.

Button operation



05. Manual Mode

Press the Speed button to set the Manual mode.

- Each time you press the speed button, the air speed will change in the order of Level 1 → Level 2 → Level 3 → Level 4.

Button operation



06. Direction Mode

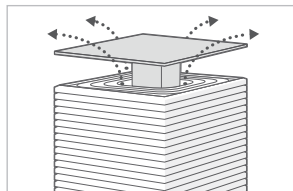
Press the Direction Mode button to select the air direction.

Button operation



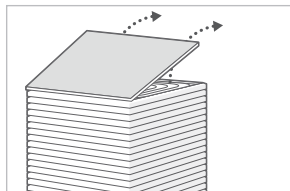
• Types of Direction mode

Normal mode



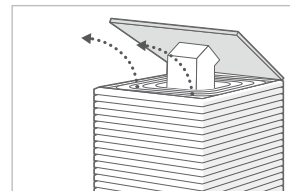
It is used to evenly care the entire space. The directional airflow panel will operate horizontally upwards opened.

Back mode



It is used when the direct wind feels overwhelming. The directional airflow panel is tilted, and the wind is discharged backward.

Front mode



It is used to care your main living space intensively. The directional airflow panel is tilted, and the wind is discharged forward.

07. Quiet Mode

If you press the Speed Button and Light Button for more than 3 seconds, the Quiet Mode is set. If you press them again for more than 3 seconds, the mode is canceled.

Button operation



08. Setting Dust Sensor Sensitivity

Press the Clean Mode Button and Information Button for about 3 seconds to set dust sensor sensitivity.

- If you press the Clean Mode Button and Information Button simultaneously for about 3 seconds while the appliance is operating, the PM2.5 indicator blinks every 1 second with a buzzer sound and displays the currently set sensitivity value.
- If you press the Information Button, the sensitivity setting values change in 3 steps (003: Sensitive, 004: Normal, 005: Insensitive). To end the setting, press the Clean Mode Button and Information Button for about 3 seconds.

Button operation



3 sec.

09. Resetting Gas Sensor

If you press the Light Button and Information Button simultaneously for about 3 seconds within 30 seconds after turning on the power, it is automatically reset to the initial value with a buzzer sound.

Button operation



3 sec.

10. Manually Resetting the Filter Replacement Cycle

If you replace or maintain the filter before the filter replacement indicator is turned on, you can reset the replacement cycle.

1. Press the Filter Replacement Cycle Button and the Light Button simultaneously for more than 3 seconds while the appliance is operating.

Button operation



3 sec.

2. The 'HEPA' indicator light will light up.

You can select the desired filter by pressing the Filter Replacement Cycle Button once more.

Indicator lighting/operation



3. If you press the Filter Replacement Cycle Button for about 3 seconds or more, the filter replacement cycle will be reset.

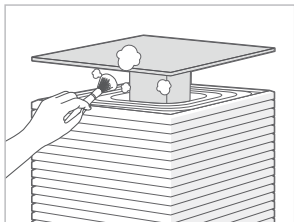
- If the Filter Replacement Cycle Button is not pressed within 10 seconds or if the Filter Replacement Cycle Button and the Light Button are pressed simultaneously for more than 3 seconds, the mode is canceled.

Button operation



3 sec.

Air Inlet and Outlet

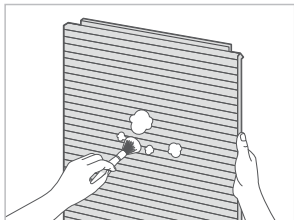


Recommended Cycle: Every 2 months

How to Clean: Clean the air inlet and outlet with a soft brush.

- Do not let dusts drop into the air outlet when you clean it

Filter cover

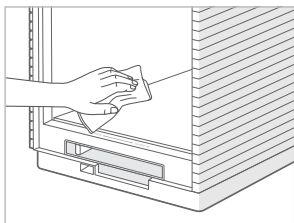


Recommended Cycle: Every 2 months

How to Clean: After separating the filter cover from the appliance, use a soft cloth or brush to wipe off dusts on the surface. If highly polluted, use a slightly wet cloth to wipe it off.

- Do not use an abrasive.

Filter Tray

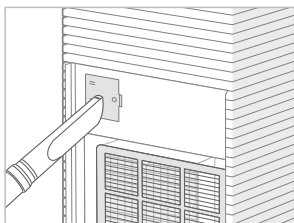


Recommended Cycle: Every 2 months

How to Clean: Remove the filter cover from the appliance and open the filter tray. After separating all the filters, use a soft cloth or brush to wipe off dusts on the surface. If highly polluted, use a slightly wet cloth to wipe it off.

- Do not use an abrasive.

Cleaning air quality Sensor Unit



Recommended Cycle: Every 2 months

How to Clean: If there are dusts or foreign objects in the sensor, the dust density may be detected high, so use the vacuum cleaner to remove the dust.

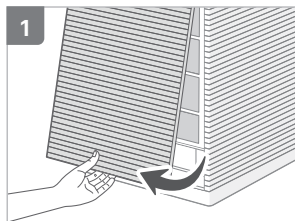
- Use the lowest power of the vacuum cleaner to clean

2 How to Clean Filter

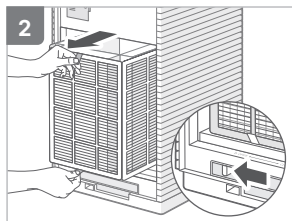
4D Pre-filter

Clean the 4D pre-filter every 2~4 weeks. (The cleaning cycle varies depending on the use environment.)

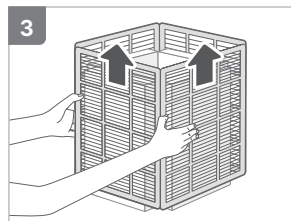
Failure to clean the filter for a long time may result in poor appliance performance.



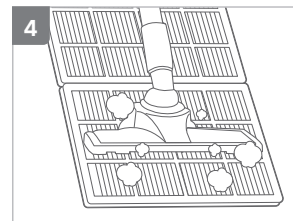
After removing the power plug, pull the lower part of the filter cover behind the appliance to open it.



Push the filter lever to the left and take out the filter.

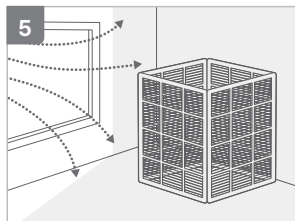


Separate the 4D pre-filter.



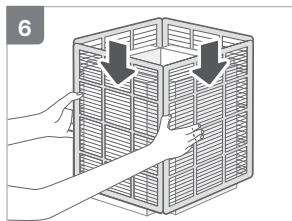
Remove dust with a vacuum cleaner or water depending on the degree of contamination.

[How to clean with water]
Wash it in running water or in water with a neutral detergent (approx. 30°C)

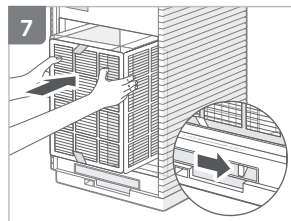


When cleaning with water, dry completely in a well-ventilated shade.

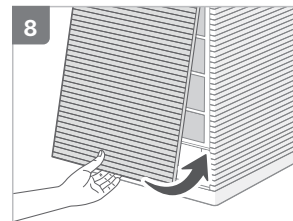
[Precaution] If you dry it in direct sunlight or near a dryer, heater, or other heat-generating devices, the pre-filter may be deformed and the appliance may not function properly.



Assemble the 4D pre-filter



Insert the assembled filter and push the filter lever to the right.



Align the top of the filter cover with the groove and slide it to close.



• The appliance will not operate if the filter cover is not fixed correctly.

If an error code as shown below appears while using the appliance, check the cause of the error and operate according to the guide.



Fan Motor Operation Detection

E1 will be displayed when there is no motor operation signal detected for about 6 seconds while the air purifier is operating. Fans and motors stop and power turns off.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.



Fan Motor Rotation

It is displayed when it has been running at 100 RPM above or below the set RPM for 10 minutes. Fans stop and power turns off.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.



Dust Sensor

If the communication does not last for more than 10 seconds or the fan of the dust sensor does not operate while using the appliance, the air quality display lights up blue and E3 appears. Fans stop and power turns off.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.



Temperature and Humidity Sensor

It is displayed when the air purifier encounters five or more communication errors with the sensor during operation.

[Resolution Guide]

It is a temporary failure and is recovered automatically.
Please wait a moment.

A digital display showing the error code 'E5' in a white, segmented font on a dark gray background.

Up and Down Motion of Directional airflow panel

It is displayed when the up and down motion of the directional airflow panel (step motor 1) is not normal.

[Resolution Guide]

It is a temporary interference and can be solved by pressing the Mode or Direction button.

A digital display showing the error code 'E6' in a white, segmented font on a dark gray background.

Front and Rear Motion of Directional airflow panel

It is displayed when the front and rear motion of the air po-pup (step motor 2) is not normal.

[Resolution Guide]

It is a temporary interference and can be solved by pressing the Mode or Direction button.

A digital display showing the error code 'E7' in a white, segmented font on a dark gray background.

Directional airflow panel Step Motor 1 Current Abnormality

It is displayed when the directional airflow panel step motor 1 current abnormality is detected.

[Resolution Guide]

It is a temporary interference and can be solved by pressing the Mode or Direction button.

A digital display showing the error code 'E8' in a white, segmented font on a dark gray background.

Directional airflow panel Step Motor 2 Current Abnormality

It is displayed when the directional airflow panel step motor 2 current abnormality is detected.

[Resolution Guide]

It is a temporary interference and can be solved by pressing the Mode or Direction button.

If an error code as shown below appears while using the appliance, check the cause of the error and operate according to the guide.



Motor Parts

It is displayed when an error occurs in the motor parts.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.



Buttons

It is displayed when there is no communication with the indicators and buttons or when you press the button for more than 30 seconds.

[Resolution Guide]

It is a temporary failure and is recovered automatically. Please wait a moment.



Gas Sensor

It is displayed when the gas sensor does not operate normally.
The air quality display lights up red.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.



Power

It is displayed by flashing at a frequency of about 0.5 seconds when the power supply is not normal.
Fans and motors stop and power turns off.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.

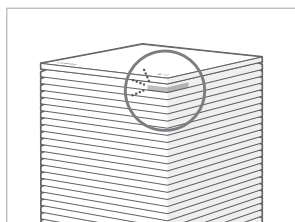


Filter Cover

When the filter cover or filter is not properly installed, it flashes at about 0.5-second intervals.

[Resolution Guide]

Please check the filter cover and filter again and mount it.



Light Sensor

If an error occurs in the light sensor, the air quality display flashes yellow.

[Resolution Guide]

It is a temporary failure and is recovered automatically. Please wait a moment.



UV-C

The UV-C LED blinks when no UV-C activity is detected for more than about 5 seconds.

[Resolution Guide]

Turn off the power, unplug the power cord, and plug it back in again for operation.

The air purifier may malfunction due to lack of familiarity and minor causes.

If the problem persists after checking the items below, please contact the service center.

The appliance is not working.

Power	There is the power button at the bottom right of the indicator on the top of the appliance. Power is touch-sensitive. If you touch for about 0.1 seconds, the appliance will operate. When turning off the appliance, touch the power button for about 3 seconds or more.
Power cord	For your safety, the power cord is designed to be disconnected. When you moved or transferred your appliance in a hurry last time, the power cord may have come loose or become slightly disconnected. Press the power cord connection one more time to reconnect it.
Filter cover	If the filter cover is not closed properly, the appliance may perform poorly or fail to operate. Make sure the top of the filter cover is mounted well into the groove.

The directional airflow panel is rattling, is it defective?

Directional airflow panel	An directional airflow panel moves up and down automatically to change the wind direction, and may have a slight wobble to maintain their fluid motion. It is designed to move in the direction of force applied to prevent breakage. [Precautions] 1. If you press forcibly while the directional airflow panel is lifted up, it can break the fixed part. 2. Lifting the appliance by the directional airflow panel part or pressing it forcibly may cause the appliance to fail.
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The pollution level does not seem to be displayed correctly.

Cleaning the sensor	If the dust is accumulated to the sensor, it can reduce its detection ability. Clean the area around the air quality sensor with a vacuum cleaner. (Refer to page 22)
Installation location	If you place an appliance with a sensor too close to a wall, there is less dust movement and its detection ability may be low. Keep it at least 50 cm away from walls and furniture.
Sensitivity adjustment	This is a high-performance air quality sensor that has received a CAS(sensor certified).

The pollution level is high but only Sleep mode works.

Objects on the appliance	Remove objects from the top of the appliance. If the light sensor on the top of the appliance is covered by an object, it may recognize it as night and operates in Sleep mode.
Installation location	If it is dark or very cloudy inside, or if blackout curtains are used, it may operate in Sleep mode. Turn on the lights, draw the blackout curtains to brighten the room, or manually manipulate to change to a mode other than SILENT Mode or SMART Mode.
UV-C care	When UV-C Hygiene Care is on, the appliance's directional airflow panel closes to operate in SILENT Mode. If you want to change a mode, you can press the Change Mode button.

The air purifier may malfunction due to lack of familiarity and minor causes.

If the problem persists after checking the items below, please contact the service center.

In SMART Mode, the directional airflow panel is not horizontal and changes directions.

Directional airflow panel

In SMART Mode, if a bad condition with yellow or red pollution levels persists for more than about two minutes, the directional airflow panel moves to quickly clean the air. Therefore, it is normal for directional airflow panel to change directions in SMART Mode.

The button does not work.

Light button

If the light button is pressed for more than about 3 seconds, the lock function is set to prevent other buttons from being operated. Press and hold the light button for about 3 seconds or longer to unlock the lock function.

The filter connection part on the 4D pre-filter has come apart.

4D pre-filter

The 4D pre-filter is used by assembling four pre-filters, so the filter connection part can come apart during cleaning. Align the both ends with the center and press gently to reassemble.

Brightness of the display changes.

Display

It is designed to automatically change depending on brightness (light, illumination) around the environment in which it is used.

There is loud noise.

Follow these steps to identify the source of the noise

Indoor air quality	If the air quality color is red or yellow	Is a window open?	It can be affected by fine dust or yellow dust coming in from outside, so close the door.
		Are you using a humidifier?	It recognizes steam and fine particulate substances from humidifiers, cookers, sprays as dust, so use it from a distance.
		Have you encountered a situation where dust is generated or brought in from the outside?	It may temporarily increase pollution levels and run hard, which can cause noise. Noise is reduced when the surroundings are clean.
	If the air quality color is green or blue	Has it been a while since you cleaned the filters?	Take out the 4D pre-filter, remove dust, wipe it with water and dry, and then mount it again.
Air outlet	Is the air outlet not blocked by anything?		Clear the area around where the air is coming from.
Shaking and noise	If the appliance is making noise due to shaking, first check if the floor on which the appliance is placed is tilted. If the floor is tilted, the appliance may be out of level and noise may be generated.		
Insertion of foreign objects	Foreign objects in the appliance inlet and outlet may cause sounds and malfunctions. Make sure to disconnect the power cord, remove the discharge grill, and remove any foreign objects. If it is difficult to remove the foreign object, please contact the service center (1-800-888-111) for after-sales service and stop using the appliance until the after-sales service is completed.		

The air purifier may malfunction due to lack of familiarity and minor causes.

If the problem persists after checking the items below, please contact the service center.

Can I see the UVC filter?

UVC filter

It is not possible as UV lamps can cause eye damage if viewed with the naked eye. They are built into the product and their operation can be confirmed by the air quality indicator lighting up in white while in operation.

How many minutes does UVC Hygiene Care work?

Hygiene Care

Hygiene Care, which sanitizes the center of the fan with a UV lamp, runs for about 20 minutes twice a day, with a 12-hour gap between each run.

Does my purifier still work during UVC sanitization?

SILENT Mode

It adjusts to Silent mode where the product's air cover remains closed during UVC hygienic care operation.

Does the life display function simply measure time to represent life time?

Filter life

Filter usage is not a simple time calculation, but takes into account the amount of time the product is in use and the amount of airflow depending on the air quality. As the product remembers filter usage, it does not reset when rebooting the power.

Does the product have any replacement notifications other than the filter life display?

Replacement notification

If you press the filter button of the product, it will tell you the current life and you can see it from the app in real time. The filter replacement period alarm lights up when the filter life reaches about 90%, and it is also notified through the app.

The air speed has weakened considerably.

How to clean/ replace filter	Check the filter's cleaning and replacement cycle before replacing or cleaning the filter.
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There is a bad smell coming out from the outlet.

How to clean/ replace filter	Check the filter's cleaning and replacement cycle before replacing or cleaning the filter.
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The air quality indicator is flashing.

After-sales service	Contact our service center for service inquiries and requests.
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In addition to what is here, there are functional defects.

After-sales service	After checking the problem, unplug the power cord and request after-sales service.
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Call center : 1-800-888-111

Product name	Air purifier
Model name	AP-2023K
Rated voltage	220 V – 240 V~ 50 Hz, 60 Hz
Phase	Single phase
Power consumption	55 W
Product insulation class	Class 2 equipment 
Dust collection method	Mechanical dust collection method
Safety Device	Door Controlled Switching Device
Installation location	For indoor use
Product dimensions	320 mm (width) × 320 mm (length) × 805 mm (height)
Product Weight	15.7 kg

- Design and specification may change without any prior notice for application of statutes, product improvement, and quality enhancement.

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