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## Coway Air Purifier User's Manual

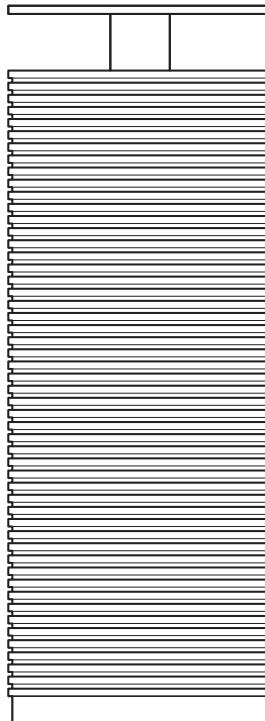
AP-2021A\_Gray

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For your safety and proper use of the product,

please read this user manual before use.

Please take cautions for proper storage of this product.

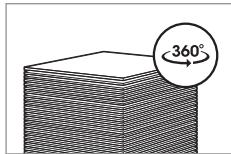


Coway uses eco-friendly recycled paper for products.

# FEATURES

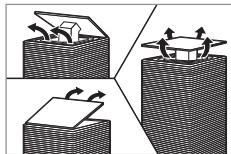
## | Innovative 4D air purification system

It provides an innovative multi-dimensional cleaning by inhaling the air and then circulating the purified air from four sides at 360 degrees.



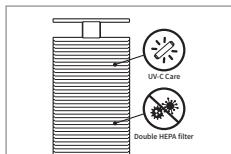
## | Directional airflow panel

The directional airflow panel takes care of the air in a personalized manner such as the full circulation, focus on the front, rear direct, etc.



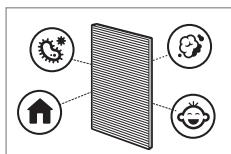
## | Innovative filter system

It removes fine dust and germs and cares the core of the fan with UV-C.



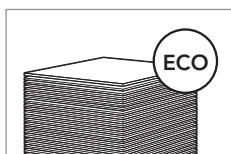
## | Smoke and allergen filter

The perfect indoor allergy filter can reduce dust mites, dog and cat allergens while smoke filter can remove harmful gas such as Nitrogen Dioxide ( $\text{NO}_2$ ) effectively.



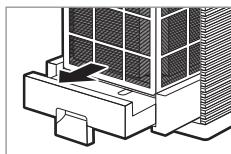
## | Eco mode

After 10 minutes of clean air, the fan automatically stops for 30 minutes to save electricity.



## | Easy sliding tray

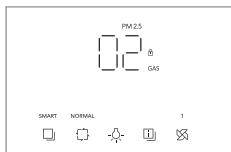
The easy-to-use, simple sliding tray is adopted, making the removal and replacement of filters much easier.



## | Advanced digital panel

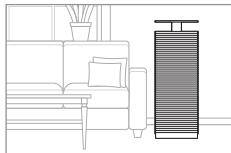
Displays necessary information only including the air quality status, fine dusts, and gas level.

\* The display may differ among product models.



## | Premium design

The square-inspired, sleek tower design classes up the space you are in.



Thank you for using **Coway's air purifier**.

Please read this user manual carefully for correct use and maintenance of the product.  
You can refer to the user manual to troubleshoot for product issues while using it.

## | Contents

### Product Information

03	Safety information
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- Please keep the user manual in an accessible area where it can be seen. -

# SAFETY INFORMATION

## Please follow all the instructions for your safety!

These instructions are to keep you safe and to prevent property damage.  
Please use the product correctly after carefully reading the precautions.



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



**Warning** Severe injury or property damage may occur if the instruction is not followed.



**Caution** Minor injury or property damage may occur if the instruction is not followed.

### | Power

#### **⚠ Do not use damaged power plugs or loose sockets.**

There is a risk of electric shock or fire.

#### **⚠ The power plug must be plugged into 220 V- 240 V~ 50 Hz, 60 Hz.**

There is a risk of electric shock or fire.

#### **⚠ Do not pull on the power cord to move the product.**

There is a risk of electric shock or fire.

#### **⚠ Do not touch the power plug with wet hands.**

There is a risk of electric shock or fire.

#### **⚠ Do not bend the power cord excessively or put it under a heavy object to avoid damage or deformation.**

There is a risk of electric shock or fire.

#### **⚠ Do not plug and unplug the power cord repeatedly.**

There is a risk of electric shock or fire.

#### **⚠ When the power area comes into contact with water, unplug the power plug and completely dry it prior to use.**

There is a risk of electric shock or fire.

#### **⚠ Make sure to unplug the power cord before repairing or inspecting the product or changing its parts.**

There is a risk of electric shock or fire.

#### **⚠ Completely wipe off dust, water, etc. on the power plug's pins and areas of contact with the pins.**

There is a risk of electric shock or fire.

- ⚠ Do not connect multiple electronic devices to one power outlet.  
Always use a separate outlet for the product.

There is a risk of electric shock or fire.

- ⚠ Leave the power cord unplugged when not using the product for a long time.

There is a risk of electric shock or fire.

- ⚠ Do not modify the power cord on your own.

There is a risk of electric shock or fire.

- ⚠ If the power cord is damaged, do not attempt to replace the cord.  
Instead, contact the service center to replace it.

There is a risk of electric shock or fire.

- ⚠ Do not pull on the power cord to unplug it.

There is a risk of electric shock or fire.

- ⚠ Plug the product into an outlet connected to an electric leakage breaker (of current sensitivity of less than 30 mA).

There is a risk of failure, electric shock, or fire due to short circuit.

- ⚠ In case of using power cord extension, make sure to use a dedicated power outlet and cord supporting at least 250 V/15 A.

A risk of abnormal heats exists, which may lead to a fire.

- ⚠ Do not unplug or relocate the power plug while the product is in use.

There is a risk of electric shock or fire.

- ⚠ If there is a strange sound, burning smell, or smoke from the device, immediately unplug the power plug and contact a service center.

There is a risk of electric shock or fire.

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## | Installation

### ⚠ Do not install the product near an electric heating device.

There is a risk of fire.

### ⚠ Do not place the product on top of an electrical appliance such as heater or television.

There is a risk of fire, electric shock or failure.

### ⚠ Do not install the product in a location that is highly humid, dusty, or exposed to splashes of water (rain).

There is a risk of electric shock or fire.

### ⚠ Do not use or store flammable gas or substance near the product.

There is a risk of electric shock or 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.

There is a risk of electric shock or fire due to overheat.

### ⚠ Do not install it on a tilted surface.

There is a risk of injury or product damage.

### ⚠ Do not apply excessive force or shock on the product.

There is a risk of product damage.

### ⚠ Use the product at a distance of not less than 20cm from the walls and surrounding objects.

The walls, ceiling, and objects around the product may be contaminated.

### ⚠ Install the purifier in a place where it is not blocked from any side, so air can circulate well.

### ⚠ Maintain at least 2 m from electronic appliances such as television.

Radio interference may occur.

- ⚠ Do not use the product in a place where there is much odor, smoke, or grease around it such as in a restaurant or barbecue place.

Failure to do so may degrade the product performance.

- ⚠ Do not use the product under direct sunlight.

Discoloration or bleaching may occur.

- ⚠ Do not install the product in a high place.

The product may fall and cause injury or product damage.

## | During Use

- ⚠ If there is any strange noise, burning smell, or smoke from the product, immediately unplug the power cord and contact the service center.

There is a risk of electric shock or fire.

- ⚠ Never immerse the product in water.

There is a risk of electric shock.

- ⚠ Do not spray flammable substances, such as pesticide or air freshener, into the air inlet.

It may cause fire or damage the product performance.

- ⚠ Do not arbitrarily open, repair, or improve the product.

There is a risk of electric shock or product damage.

- ⚠ Do not place bowl filled with water, chemicals, food, small metals, or flammable substances on top of the product.

There is a risk of electric shock, fire, or product damage if such matters get inside the product.

- ⚠ Unplug the power cord before cleaning the product.

There is a risk of electric shock or fire.

- ⚠ If the product falls during use and gets wet, be sure to have it inspected by the service center before using it again.

There is a risk of electric shock or fire.

- ⚠ Do not spray water or use benzene or thinner on the product to clean it.

There is a risk of electric shock or fire.

- ⚠ Do not insert a sharp object such as drill into the air quality sensor.

There is a risk of electric shock.

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### | During Use

**⚠ Do not insert fingers or foreign objects (pin, stick, coin, etc.) into the air outlet.**

There is a risk of injury or product failure.

**⚠ Do not allow children to hang or climb on the product.**

There is a risk of injury or product failure.

**⚠ Do not let children place their hand in the air outlet.**

There is a risk of injury to the child. Parental care is required.

**⚠ When it is time to replace the filter, replace it with a new one.**

Failure to do so may degrade the product performance.

**⚠ Do not spray water on the product.**

It may cause failure or electric shock.

**⚠ This product contains UV-C radiator.**

**⚠ 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.**

**⚠ Do not operate the product with any evident damage.**

**⚠ 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.**

**⚠ The UV-C radiator cannot be replaced by the user. If it is damaged, do not attempt to replace the cord. Instead, contact the service center to replace it.**

**⚠ Do not apply excessive force on the product.**

It may cause failure.

**⚠ Do not push or lean on the product. The product may fall.**

There is a risk of injury or product failure.

**⚠ Holding and moving the back cover back and forth may cause damage.**

There is a risk of injury or product failure.

**⚠ Do not use the product for a long period of time in an enclosed area or where there is an infant or elderly person.**

Reduced amount of oxygen may pose a risk, so make sure to open the window occasionally to ventilate.

**⚠ Make sure the air outlet is not blocked by laundry, curtain, etc.**

If the ventilator is left blocked, the internal temperature rises, which may cause deformation of the product.

**⚠ Use vacuum cleaner or water to remove dust from the pre-filter.**

Accumulated dust may cause abnormal combustion and odor.

**⚠ Clean the pre-filter regularly and dry it sufficiently in the shade with good ventilation to reuse.**

This is necessary to maintain optimal performance.

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

There is a risk of injury or product failure.

**⚠ It is recommended to keep eyes on children to make sure they do not play with the product.**

There is a risk of injury or product failure.

**⚠ The power cord may be disconnected when pulled for safety purposes. Do not allow infants or children to touch the separated power cord.**

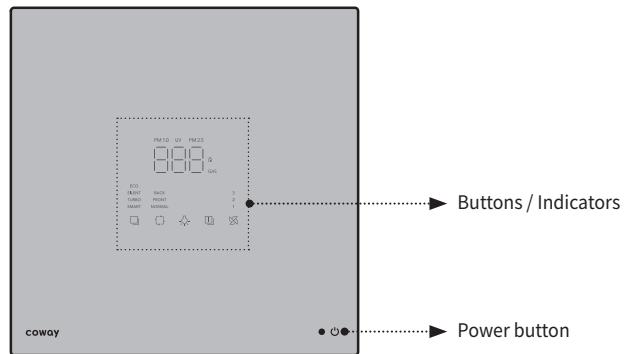
There is a risk of electric shock.

# PART NAMES

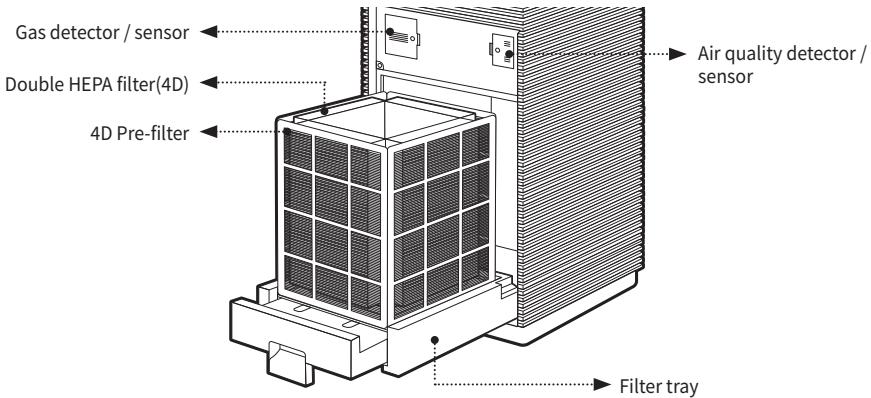
## | Front/Rear



## | Top



### | Bottom



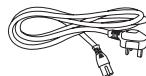
### | Accessories



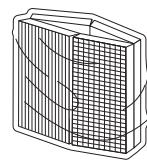
User's manual



Quick start guide



Power cord



Double HEPA filter(4D)

\* When installing the initial product,  
the double HEPA filter(4D) is stored  
on the upper styrofoam.

# AIR PURIFICATION PROCESS

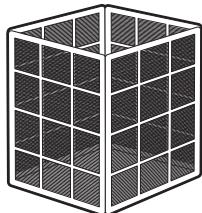
## | 4D Pre-filter

Removes large dust particles, hair, and pet hair.

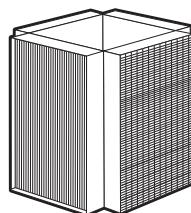
\* 4D pre-filter is mounted when purchasing the product, It is reusable after cleaning every 2~4 weeks.

## | 4D Dimensional purification

- Smoke and allergen filter: Allergen filter can reduce dust mites, dog and cat allergens while smoke filter can remove harmful gas such as Nitrogen Dioxide ( $\text{NO}_2$ ) effectively.
- Deodorization filter: The granular activated carbon filter is effective in removing odor and hazardous gas, and removes food smell and odors in the house.
- Double HEPA filter(4D): High performance four double HEPA filters has been applied for superior performance in removing fine dust.

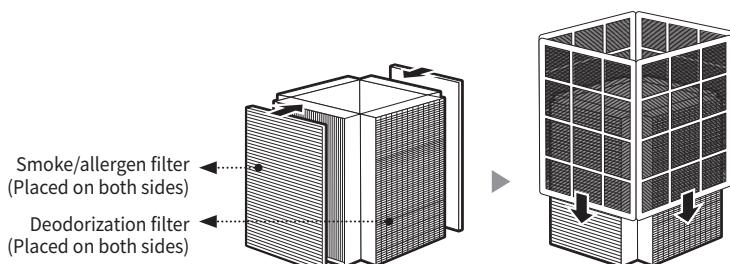


4D Pre-filter



Double HEPA filter(4D)

## | Assembling filter



# BEFORE USE

How to use

| Please check before use!

## ⚠ The product is for 220 V- 240 V~ 50 Hz, 60 Hz only.

The power plug must be plugged into 220 V- 240 V~ 50 Hz, 60 Hz.



| How to install filter



Tips

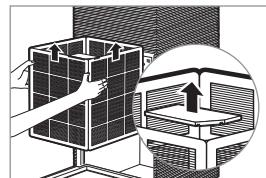
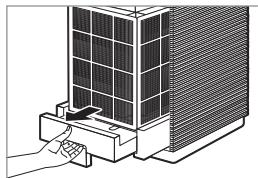
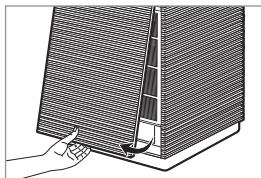
- Be sure to remove the packaging vinyl before installing the filter.
- Use the filter indoors only.
- Unplug the power cord from the outlet when not using the product.

► Filter assembly order: Double HEPA filter(4D) → 4D pre-filter

### 1. Open the back cover.

Open the rear cover by pulling it from the bottom. Then, pull the filter tray handle to open the drawer.

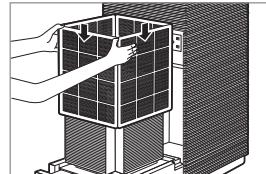
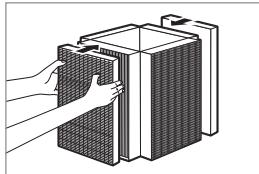
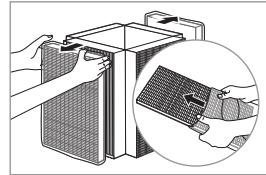
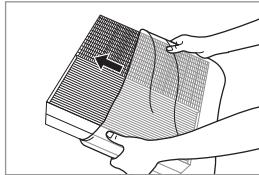
\* Remove the white plate on the top of the pre-filter to install.



### 2. Remove the packaging vinyl of a new double HEPA filter(4D) and deodorization filter.

Unfold and assemble the double HEPA filter(4D) as shown in the image and place it on the filter tray.

\* Double HEPA filter(4D) can be assembled regardless of the direction.



# BEFORE USE

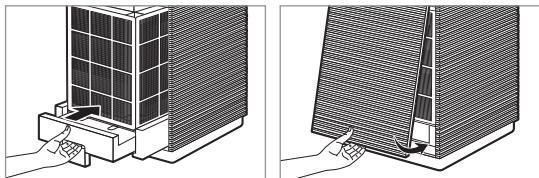
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## 3. Push the filter tray fully to the product and mount the back cover.

Adjust the top of the back cover into the groove and push it to mount it.

\* When closing the filter tray, be careful not to push the product.

\* The product will not operate if the back cover is not fixed correctly



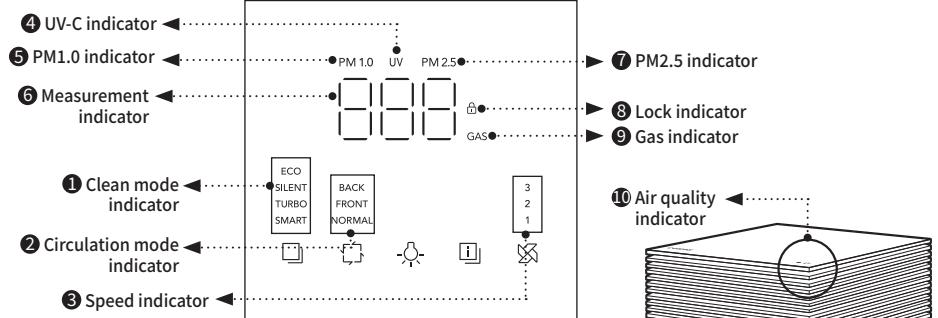
Tips

- The product will not operate if the filter is not properly installed.

# INDICATORS AND BUTTONS

How to use

## Indicators



### ① Clean mode indicator

Each indicator lights up when clean mode is selected.

ECO  
SILENT  
TURBO  
SMART

### ③ Speed indicator

Each indicator lights up when air speed is selected.

Level 1 → Level 2 → Level 3

3  
2  
1

BACK  
FRONT  
NORMAL

UV

PM 1.0

### ⑤ PM1.0 indicator

When PM1.0 measurement is displayed, the indicator lights up together.

PM 2.5

### ⑦ PM2.5 indicator

When PM2.5 measurement is displayed, the indicator lights up together.

GAS

### ⑨ Gas indicator

When the gas level is displayed, the indicator lights up together.

- Good (1) → Normal (2) → Poor (3) → Bad (4)
- If the gas level is higher than the PM2.5 measurement, the default gas level appears is displayed and the air quality indicator lights up in a color based on the gas level.
- \* Gas : Odors and volatile organic compounds (VOCs) such as formaldehyde

### ② Circulation mode indicator

Each indicator lights up when circulation mode is selected.

Normal → Front → Back

\* Directional airflow panel rotates depending on the circulation mode.

### ④ UV-C indicator

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

- \* The functionality is automatically operated every 12 hours for a 20-min run according to the preset algorithm.
- \* The UV-C indicator lights up when UV-C is operated, and the air quality indicator lights off after lighting up in white for 30 seconds (enter silent mode when the UV-C function is operated).

\* When UV-C operation is complete, it automatically returns to the previous operation mode.

### ⑥ Measurement indicator

It displays air quality such as air quality level and gas measurement.

- Air quality (PM1.0/PM2.5) measurement/GAS
- Display order: PM2.5 → PM1.0 → Gas

LOCK

### ⑧ Lock indicator

If you press the button for more than 3 seconds, the indicator light turns on and all buttons can be locked.

Press the button again for more than 3 seconds to unlock the buttons.



### ⑩ Air quality indicator

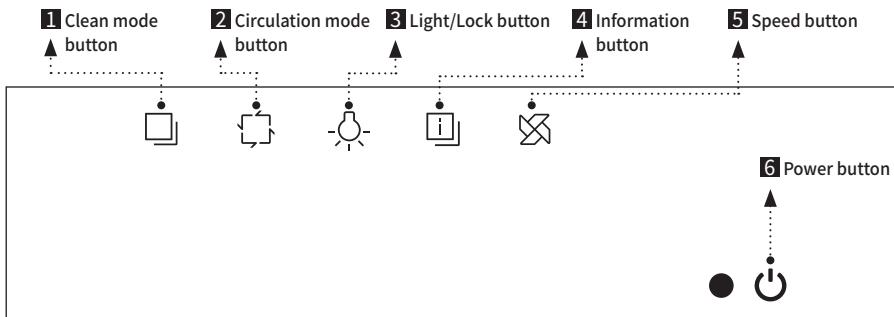
The indicator lights up in different colors as per the current PM2.5 and gas measurements.

- \* It displays the worse air quality between PM2.5 and gas.
- \* However, when PM2.5 and Gas have the same measurement, dust air quality displayed as a priority.

\* Good (Blue) → Normal (Green) → Poor (Yellow) → Bad (Red)

# INDICATORS AND BUTTONS

## | Buttons



### 1 Clean mode button



Press to select the desired clean mode.  
Smart → Turbo → Silent → ECO

### 2 Circulation mode button



### 2 Circulation mode button

Press to select the desired circulation mode.  
Normal → Front → Back

### 3 Light/Lock button



Use this button to turn on and off the indicator and air quality indicator.

While the air quality indicator and other indicators are turned on, pressing the Light button repeatedly executes the following:  
Air Quality indicator OFF → All OFF except for the light button and the measurement indicator → All indicators Light OFF (except for the Light button) → All indicators ON

\* 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 when it is locked, it informs a locked status with a beep and 'Loc' is displayed on the measurement indicator.

### 5 Speed button



Press to select the desired air speed.  
Level 1 → Level 2 → Level 3



### 4 Information button

It checks the gas level of the current air quality and ultrafine dust level.



### 6 Power button

Use the button to turn the product on and off.

\* When the product is activated initially, the directional airflow panel rises, and the product is operated in the smart mode.

\* If you turn off and on again, it will return to the previous operation mode used before it stops.

\* When the product is turned off, the directional airflow panel is lowered and closed.



### Tips

- Brightness of the indicators and buttons is adjusted depending on ambient illumination.

# AIR QUALITY INDICATION GUIDE

How to use

Classification	Good (Blue)	Normal (Green)	Poor (Yellow)	Bad (Red)
PM2.5 ( $\mu\text{g}/\text{m}^3$ )	0 ~ 15	16 ~ 35	36 ~ 75	76~
Gas level	1	2	3	4

- PM2.5 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 product air quality level can be changed with the setpoint 7 levels (001: Sensitive +2, 002: Sensitive +1, 003: Sensitive, 004: Normal, 005: Insensitive, 006: Insensitive +1, 007: Insensitive +2).
- The 4-step air quality indicator is based on the worse measurement between PM2.5 and gas level.
- 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 value of dust concentration displayed on the product is 500  $\mu\text{g}/\text{m}^2$ .
- 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 continues to display the maximum number of 500, the sensor is contaminated. Therefore, clean the air quality detector, turn off the power of the product and then turn on again so that it can operate normally.

# HOW TO USE



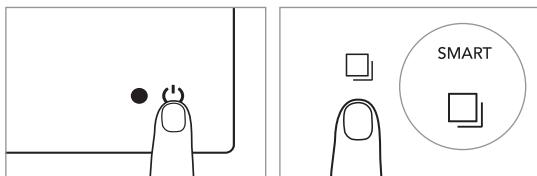
## Tips

- Plug the power cord into an outlet before operating the product.
- When the product 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 hairy pets around, in clothing shops, or in a high humidity condition
  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, drafty windows/doors)
- There may be differences in displays of dust, gas level, etc. by using different products in the same place or by internal ventilation. The values on display may differ by measuring instruments or products.
- Dust concentration indicator on display may differ from forecasts by the ministry of environment.
- 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.
- The gas sensor may react and light up in red in case of change in the odor, such as cooking food indoor or temporary inflow of outside air, so ventilate for 1~2 hours.

## | How to use smart mode

Press the power button to turn on the product and press the clean mode button to select smart mode.

- \* When smart mode is selected, the circulation mode is operated as full circulation by default, and the wind direction is automatically adjusted by air quality.
- \* If the gas pollution level is greater than the PM2.5 pollution level, the gas pollution level controls the air speed and the air quality color, and the displayed measurement automatically changes from PM2.5 to gas level (only in smart mode and eco mode).



### - Smart mode

The product operates automatically with ideal speed (Auto level 1 → Auto level 2 → Auto level 3) and wind direction according to indoor air quality detected by the sensor.

This mode is convenient for general users.

Air quality	Good (Blue)	Normal (Green), Poor (Yellow)	Bad (Red)
Air Speed	Level 1	Level 2	Level 3

### - Sleep mode (Operates only in smart mode)

If the room remains dark during smart mode operation for more than 3 minutes, the device enters sleep mode and runs low air speed/low noise/power saving operation.

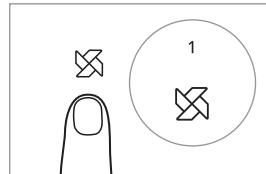
- \* During the sleep mode, all the indicators and air quality indicator except for the light button are turned off.
- \* When the room becomes bright again, the device re-enters smart mode.
- \* During the sleep mode, fine dust monitoring is not operated.

### | How to use manual mode

Press the speed button to select air speed.

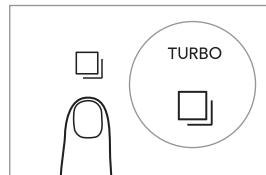
Level 1→ Level 2 → Level 3

\* Manual operation operates only in smart mode operation and eco mode.



### | How to use turbo mode

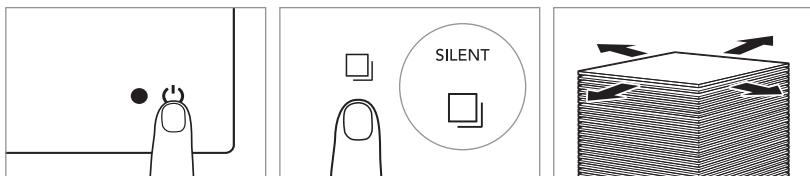
Press the power button to turn on the product and press the clean mode button to select turbo mode



### | How to use silent mode

Press the power button to turn on the product and press the clean mode button to select silent mode.  
This mode minimizes the air speed during operation for a silent and pleasant environment.

\* If silent mode is selected, directional airflow panel is closed and changes to 4-direction discharge.  
At this time, the circulation mode indicator lights are all turned off.



# HOW TO USE

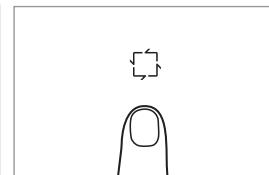
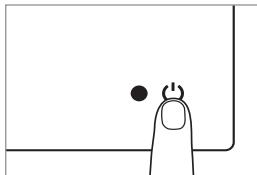
## | How to use eco mode

Press the power button to turn on the product and press the clean mode button to select eco.  
After 10 minutes of clean air, the fan automatically stops for 30 minutes to save electricity.



## | How to use circulation mode

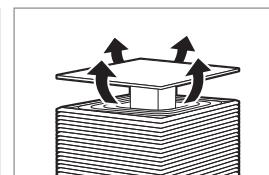
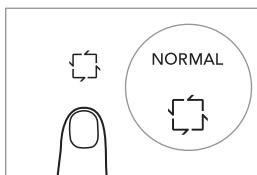
Press the power button to turn on the product and press the circulation mode button to select your choice.



### - Normal mode

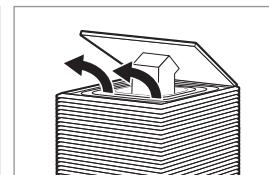
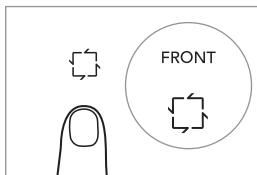
In the normal mode, the directional airflow panel is in a horizontal state and the wind is discharged from the air outlet on the top of the product.

\* Press the power button to turn on the product and when the smart mode is selected, it changes to full circulation.



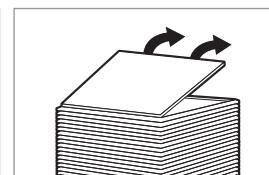
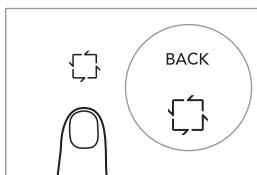
### - Front mode

The directional airflow panel is tilted back, and the wind is discharged forward by the air outlet on top of the product.



### - Back mode

The directional airflow panel is titled forward, and the wind is discharged backward by the air outlet on top of the product.

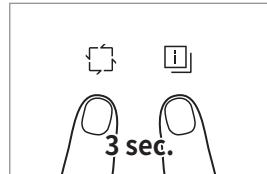


### Tips

- All circulation modes are available in the smart and turbo modes except for the silent mode.
- In the silent mode, the circulation mode indicator lights are all turned off.
- Manually adjust the directional airflow panel may strain the driving part and cause product damage or malfunction.

## | Setting auto moving algorithm ON/OFF

This is a function that automatically moves the directional airflow panel in smart mode or eco mode when the air quality is poor (air quality 3 or higher). To set ON/OFF, press the circulation mode button and the Information button for more than 3 seconds. In the clean mode, smart blinks and the measurement indicator displays the current setting status (ON or OFF). When you press the Information button, the ON/OFF setting value is changed. Press the circulation mode button and the information button for 3 seconds or after 10 seconds, the setting mode ends.

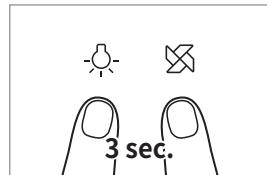


## | UVC Operation ON/OFF Setting

While the product is operating, press and hold the Light button and the Speed button for more than 3 seconds.

UVC indicator blinks and the measurement indicator displays the current setting status (ON or OFF).

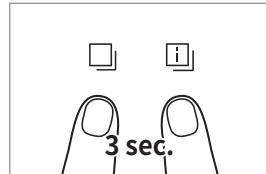
When you press the information button, the ON/OFF setting value is changed. Press the light button and the speed button for 3 seconds or after 10 seconds, the setting mode ends.



# RESETTING SENSOR

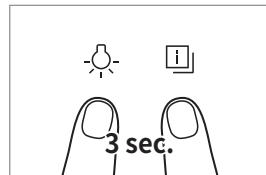
## | Setting dust sensor sensitivity

Press and hold the clean mode button and the information button simultaneously for more than 3 seconds while the purifier is running. With a buzzer, PM2.5 lights up and then flickers at an interval of 1 second, and the current sensitivity setting is displayed. Pressing the information button again will change the sensitivity in 7 levels (001: Sensitive +2, 002: Sensitive +1, 003: Sensitive, 004: Normal, 005: Insensitive, 006: Insensitive +1, 007: Insensitive +2), and press the clean mode button and the information button at the same time for 3 seconds to exit.



## | Resetting gas sensor

Press light and information buttons at the same time within 30 seconds after power is applied, and hold them for 3 seconds. A buzzer sound will be heard and it is reset to the factory setting.





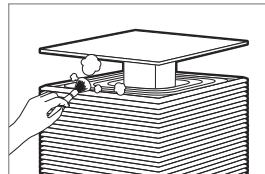
### Tips

- Always unplug the power cord before cleaning.
- Do not use organic solvents (thinner, etc.), bleach, or detergents containing chlorine or abrasives to clean the product.
- Do not immerse the product in water or spray water on it.
- The cleaning/maintenance cycle may differ depending on use environment.

### | How to clean air inlet and outlet (Every two months)

Clean the air inlet and outlet with a soft brush.

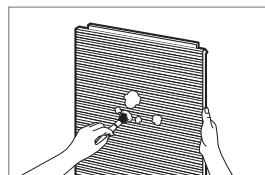
\* Do not let dusts drop into the air outlet when you clean it.



### | Cleaning back cover

After separating the back cover from the product, use a soft cloth or brush to wipe off dusts on the surface.

\* If the air quality is bad, use a slightly wet cloth to wipe it  
(Do not use an abrasive.)

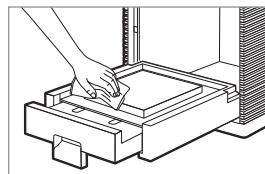
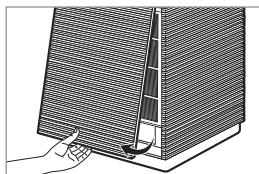


### | Cleaning filter tray

Remove the back cover from the product and open the filter tray.

After separating all the filters, use a soft cloth or brush to wipe off dusts on the surface.

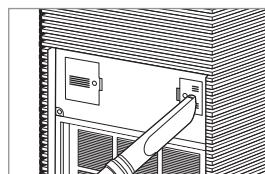
\* If the air quality is bad, use a slightly wet cloth to wipe it (Do not use an abrasive.).



### | Cleaning air quality sensor

If there are dusts or foreign objects in the sensor, the dust density may be detected high, so use the vacuum cleaner to clean the sensor area.

\* Use the lowest power of the vacuum cleaner to clean.



# HOW TO CLEAN

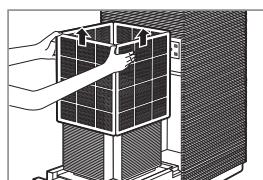
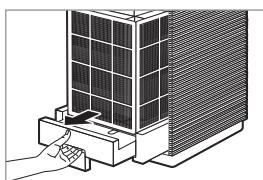
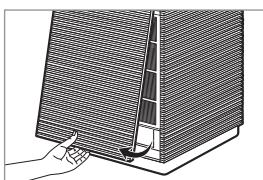


## Tips

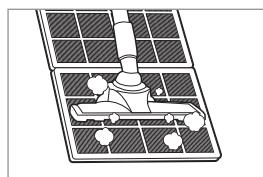
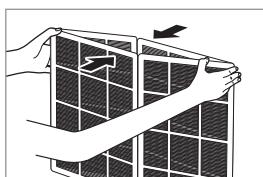
- Always unplug the power cord before cleaning the filter.
- The pre-filter can be restored by removing dust or washing with water.
- Failure to clean the pre-filter for a long time may result in poor product performance.
- Double HEPA filter(4D) can not be reused after washing.  
Never wash these filters with water.
- The cleaning/maintenance cycle may differ depending on use environment.

### |4D Pre-filter (Clean every 2~4 weeks)

1. Remove the back cover from the product and open the filter tray. Remove the 4D pre-filter from the tray.

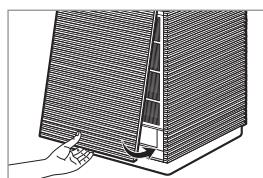
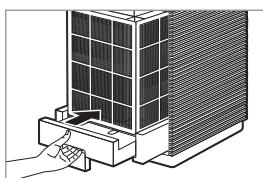
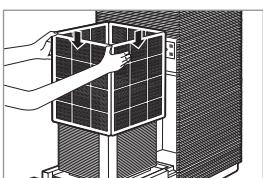


2. Fold the 4D pre-filter and remove dust with a vacuum cleaner or water depending on the degree of air quality.



3. Dry the 4D pre-filter fully and reinstall it to the product in the reverse order.

- \* Install the 4D pre-filter precisely in the designated tray location.
- \* Wash the 4D pre-filter in running water or wash it in water with a neutral detergent (approx. 30°C) and dry it thoroughly in well-ventilated shade. If you dry it in direct sunlight or near a dryer, heater, or other heat-generating devices, the 4D pre-filter may be deformed and the product may not function properly.



## Tips

- The product will not operate if the filter is not properly installed.

# HOW TO REPLACE FILTER

Maintenance

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## | How to replace filter

- Refer to the filter installation method on page 12 to replace the filter.
- Use genuine Coway filter to maintain optimal performance of the product.
- Always unplug the power cord before replacing the filter.

## | Filter cleaning and replacement cycle

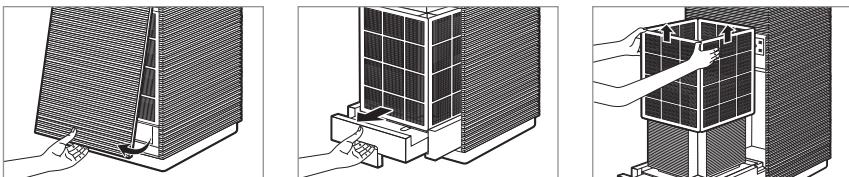
Filter	Cleaning/Replacement time	Cleaning/Replacement
4D Pre-filter	1 time / 2 months	Clean and wash
Smoke and allergen filter	1 time / 4 months	Replacement
Double HEPA filter(4D)	1 time / 12 months	Replacement
Deodorization filter	1 time / 24 months	Replacement

\* A filter cleaning/replacement cycle may differ by use environment.

# HOW TO REPLACE FILTER

## | How to replace filter (Replace in the given filter replacement cycle)

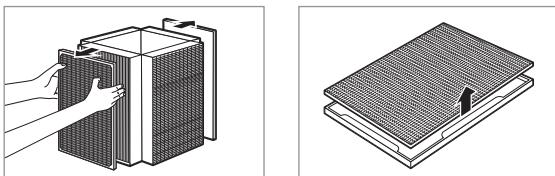
1. Remove the back cover from the product and open the filter tray.  
Remove the 4D pre-filter and double HEPA filter(4D) from the tray.



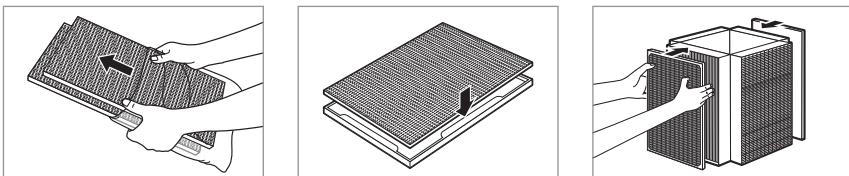
2. Replace each filter in the given filter replacement cycle.

### - How to replace smoke and allergen filter

1. Remove smoke and allergen filter from the separated double HEPA filter(4D).

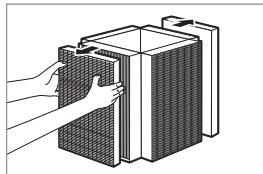


2. Remove the packaging vinyl from the new smoke and allergen filter and insert it into the double HEPA filter(4D).

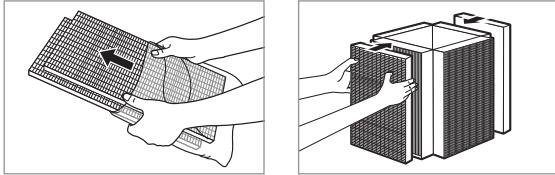


### - How to replace the deodorization filter

1. Remove 2 deodorization filters from the separated double HEPA filter(4D).



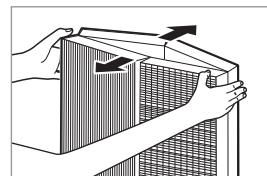
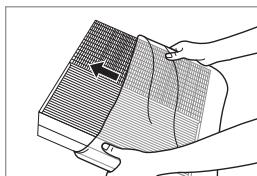
2. Remove the packaging vinyl from the new deodorization filter and insert it into the double HEPA filter(4D).



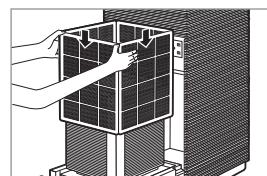
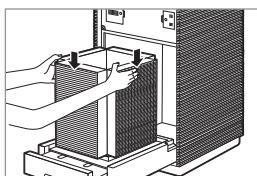
**- How to replace double HEPA filter(4D)**

1. Remove the packaging vinyl from the new double HEPA filter(4D) and unfold the double HEPA filter(4D).

\* If you are using the smoke and allergen filter, assemble it to the double HEPA filter(4D).



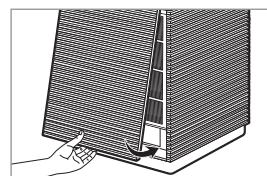
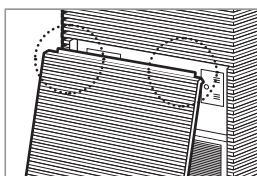
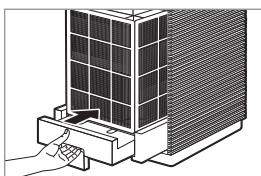
2. Settle the double HEPA filter(4D) and 4D pre-filter on the filter tray in the reverse order.



3. Push the filter tray fully to the product and mount the back cover.  
Adjust the top of the back cover into the groove and push it to mount it.

\* When closing the filter tray, be careful not to push the product.

\* The product will not operate if the back cover is not fixed correctly.



# ERROR CODE

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

## - Hall sensor

It is displayed when the fan motor signal is not detected for more than a certain period of time (6 seconds) during product operation.  
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 the fan motor speed difference of 100RPM or more is maintained for 10 minutes. 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.

## - 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 product, the air quality display lights up blue and E3 appears.



[Resolution guide]

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

## - 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 circulation button.

## - Front and rear motion of directional airflow panel

It is displayed when the front and rear motion of the directional airflow panel (step motor 2) is not normal.



[Resolution guide]

It is a temporary interference and can be solved by pressing the mode or circulation button.

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

#### - Up and down motion of directional airflow panel

##### (Step motor 1) motor current abnormality

It is displayed when the up-down motion of the directional airflow panel motor current abnormality is detected.



[Resolution guide]

It is a temporary interference and can be solved by pressing the mode or circulation button.

#### - Front and rear motion of directional airflow panel (Step

##### motor 2) motor current abnormality

It is displayed when the front and rear motion of the directional airflow panel motor current abnormality is detected.



[Resolution guide]

It is a temporary interference and can be solved by pressing the mode or circulation button.

#### - 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.



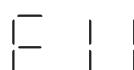
#### - Gas sensor

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 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.



# ERROR CODE

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

## - Filter cover

It is displayed when the filter cover or filter is not mounted.

[Resolution guide]

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



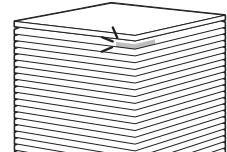
## - Light sensor

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.



## - UVC

The UVC LED blinks when no UVC 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.



# TROUBLESHOOTING

Others

The air purifier may malfunction due to lack of familiarity and minor causes even though the product is not broken. Check the following in such a circumstance to resolve the issue easily without assistance from the service center. If the problem persists after checking the items below, please contact the service center.

Symptom	Checkpoint	Measures to take
No air is coming out.	• Is the power cord plugged in?	Plug the power cord into a 220 V- 240 V~ 50 Hz, 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 the electricity is restored.
The air speed does not change.	• Is the smart mode indicator on?	Speed selection is available only in manual mode (normal).
	• Is the silent mode indicator on?	Speed selection is available only in manual mode (normal).
The air speed has weakened considerably.	• Has the filter cleaning or replacement time passed?	Check the filter cleaning and replacement cycle and clean or replace the 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. 22.)
	• Does the air quality remain at High?	Adjust the air quality sensor's sensitivity to insensitive or normal. (Refer to P. 21.)
	• Does the air quality remain at Low?	Adjust the air quality sensor's sensitivity to sensitive or normal. (Refer to P. 21.)
There is a bad smell coming our of the air outlet.	• Has the filter cleaning or replacement time passed?	Check the filter cleaning and replacement cycle and clean or replace the filter.
The air quality indicator is flashing.	• Contact the service center.	
Other functional defects	• Check the problem, unplug the power cord, and contact the service center.	
Directional airflow panel is not levelled.	• Is horizontality on the front and back different?	Due to the nature of the driving product, there is difference in inclination. Change to the Front Focus or Rear Indirect mode and select the Full Circulation mode.
	• In the Front Focus/Rear Indirect mode, are the gaps on the left and right different?	Although inclination and gaps may exist, there is no degradation or abnormality in product performance.

- Call center: 1-800-888-112

# SPECIFICATION

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<b>Product name</b>	Air purifier
<b>Model name</b>	AP-2021A_Gray
<b>Rated voltage</b>	220 V- 240 V~ 50 Hz, 60 Hz
<b>Phase</b>	Single phase
<b>Power consumption</b>	55 W
<b>Product insulation class</b>	Class 2 equipment <input checked="" type="checkbox"/>
<b>Dust collection method</b>	Mechanical dust collection (ultrafine dust collection filter)
<b>Safety device</b>	Door Controlled Switching Device
<b>Installation location</b>	For indoor use
<b>Product dimensions</b>	320 mm (width) × 320 mm (length) × 805 mm (height)
<b>Product weight</b>	15 kg

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

# MEMO

Others

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# MEMO

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Others

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# coway

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