

ChungHo Nais

ChungHo ULPA 6 way Multi Cycle Air Purifier A850
ChungHo 6 way Multi Cycle Air Purifier A850/A880
User's Manual

The difference in technology is difference in quality

GAP-17H8550 / GAP-25H8550 / GAP-17U8550
GAP-17H8560 / GAP-25H8560 / GAP-17U8560

-
- Read the user's manual thoroughly before using the unit.
 - This manual is common use for stand and Wall-mounted type.
 - Design and color may differ from the picture.
 - Unit appearance, specification, etc. are subject to change without prior notice if necessary for improving unit performance.
 - The rated voltage of this unit is 220-240 V~ / 50 Hz only.

It is a promise of ChungHo Nais for the health of our customers.

There are also levels in technology for home appliance. As organic vegetables without pesticides protect the health of our families with better quality, better home appliance technology of ChungHo Nais opens up a world of healthy home appliances of different category. High technology with reason, ChungHo Nais! We will reward you with great happiness for your precious investment for health.

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Product features

1 Application of multi circulation air cleaning system

Applied double fan motor structure and 6-way discharge system to efficiently purify indoor space.

2 Automatic operation by pollution level detection

The degree of air pollution is indicated by fine dust detection in indoor air applying PM 2.5 sensor, so that the user can easily know pollution degree and, it makes possible to keep easily a comfortable indoor environment because the air volume of the air purifier is automatically adjusted according to degree of air pollution in automatic mode setting.

3 High deodorizing performance

By applying high-performance activated carbon, deodorization efficiency and deodorization capacity of odorant daily life materials such as ammonia, acetaldehyde, acetic acid and causing materials of sick house syndrome such as formaldehyde and volatile organic compounds have been increased.

4 Sleep mode using BLDC motor

It removes the indoor air pollutant continuously while operating in "SLEEP" mode by using quiet BLDC Motor.

5 Elegant and slim type design

The elegant and slim type design is combined with the modern sense and provide of the customer, offering more beauty in your area.

6 Wall mount function and remote control

Applied wall-hanging function to mount air purifier on the wall and the remote control makes possible to operate the product conveniently.

(Wall-mounted type models: GAP-17H8560 / GAP-25H8560 / GAP-17U8560)

Safety precautions

- These are intended to prevent accidents and risks by using the product safely and correctly.
- Precaution is classified into "Warning" and "Caution" depending on the degree of expected risk and damage in case of relevant breach.



Warning

In case of possible accident with serious injury or death due to breach of the indication



Caution

In case of possible Injury or property damage and product degradation due to breach of the indication

Power



Warning

Be sure to use the specified power source. (This product is only for 220-240 V~ / 50 Hz)

If the voltage of the used power source does not match, this may cause malfunction of the product as well as fire or electric shock.

When the product is not in use, always unplug the power cord.

It may be a safety accident prevention.

If the power cord is damaged, please request for follow-up service for risk protection and replace the cord.

Do not use a damaged or loose outlet. There is a risk of electric shock or fire.

If dust or water is present on the pins or contacts of the power plug, wipe it off with a dry cloth.

Dust or water may cause electric shock or fire.

Do not use multiple electrical appliances on one power outlet at the same time.

Possible cause of fire due to abnormal electricity outlet heating.

Insert the power plug all the way into the power outlet so that it does not shake.

Possible cause of fire if the connection is unstable.

Do not touch the power plug with wet hands.

There is a risk of electric shock.

Do not pull on the power cord. Be sure to hold the power plug to pull it out.

If the power cord is damaged, there is a risk of electric shock or fire.

Do not pull on the power cord while the product is installed.

The product may cause damage by its falling down.

Do not bend the power cord excessively or press it with heavy objects to avoid breakage.

There is a risk of electric shock or fire.

Be careful not to step on or trip over the power cord.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

02

Safety precautions

Installation

Do not install the product in a sloped or unstable position.

It may cause fall down and hurt or breakdown.

If it is installed in an unstable place, it may cause a slight vibration when the product is started, but this is not a product defect.

Please install on a flat surface.



Caution

Do not use outdoors.

This product is for indoor use (5 ~ 30°C).

Outdoors use may cause deformation or discoloration.



Warning

Do not install the product in a place that is exposed to humidity such as a bathroom, or where it is exposed to rain or snow.

There is a risk of electric shock or fire.

Do not place candles, cigarettes, etc. onto the product or install it near heating device.

There is a risk of fire.

Use

Do not disassemble, repair or modify the product if it is damaged or malfunctions.

There is a risk of electric shock or fire.



Warning

Do not spray water directly on the product.

It may cause malfunction or electric shock.

Do not spray insecticide or flammable spray around the product.

This may cause product malfunction or fire.

Do not place flammable materials (spray, butane container, oil, gas, etc.) around the product.

There is a risk of explosion or fire.

Do not place any objects containing water, chemicals, or small items on top of the product.

There is a danger of electric shock or fire if get into the product.

Do not apply excessive load or external impact to the product.

Damage due to severe impact may cause overheating or fire.

In case of problem in the product, immediately unplug the power cord and request for follow-up service

Do not prick the display part or button with an auger or pin.

It may cause electric shock and malfunction.

Before replacing or cleaning the filter, unplug the power plug and wait until it is completely stopped.

It may cause electric shock or injury.

Do not insert foreign objects such as pins, sticks, or coins into the air inlet or outlet.

Close supervision is required for children.

It may cause electric shock and product damage.

Be careful that the air inlet or outlet is not blocked by clothes, curtains, etc.

If it is operated in a clogged state, the internal temperature may rise and cause malfunction or fire.

Warnings in use



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

It may cause fall down and hurt or breakdown.

Children should be supervised to ensure that they do not play with the appliance.

Children's tutor should care of it.

Do not use it in greasy places such as greasy restaurants, kitchens or dusty place as construction site, etc. Do not use in places where there is a lot of animal gas, toxic gas.

The life of the filter is shortened and the cleaning efficiency may go low. Sensor contamination may cause malfunction.

Make sure that the clean air of the air cleaner does not come into direct contact with the human body for a long time.

Body temperature can be drop afterwards.

Do not use for purposes other than indoor air cleaning.

When used as a ventilator in a kitchen, the life of the filter is shortened and the product may be deformed.

Be careful so that no one (including children) who cannot use the device safely without supervision or instruction because of lack of physical, sensory, mental ability or lack of experience and knowledge use the device.

Use the product as described in the instruction manual.

Failure to do so may result in electric shock or personal injury.

Stop using when there is abnormal noise or smell.

If an earthquake, fire, or abnormal noise or smell from the product is detected, immediately stop using the product and disconnect the power plug from the power outlet.

Do not unplug or move the product during its operation. Be sure to turn off the power and pull out the power plug.

May cause malfunction, electric shock or fire. Be sure to hold the power plug to pull it out.

Do not hang on or step on the product. (Wall-mounted type)

It may cause damage by the product to fall over.

Be careful not to let water get into or fall down the remote control (Especially drooling in infants and young children).

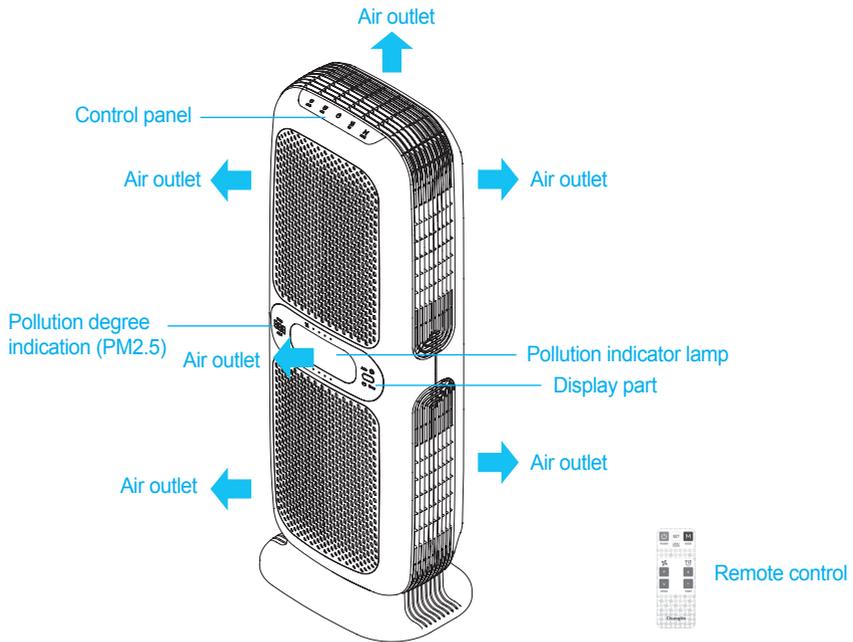
It may cause breakdown or malfunction of the remote control.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

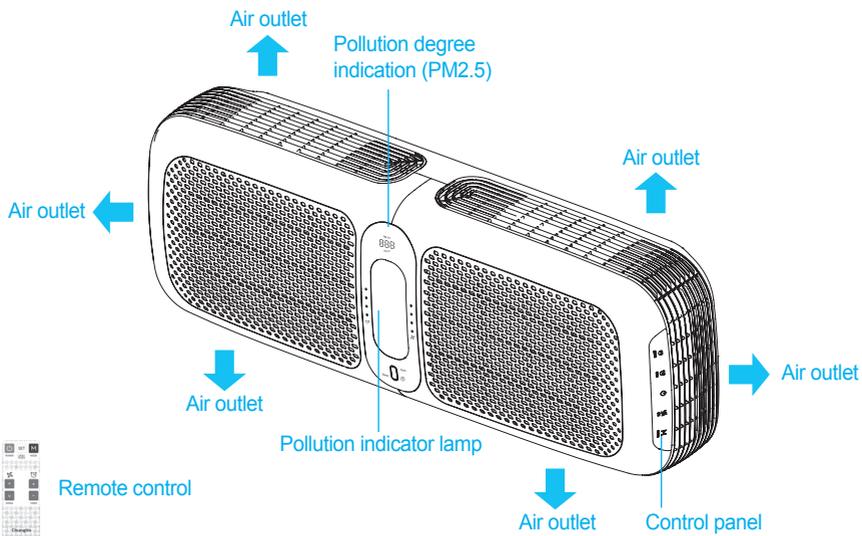
Children should be supervised to ensure that they do not play with the appliance.

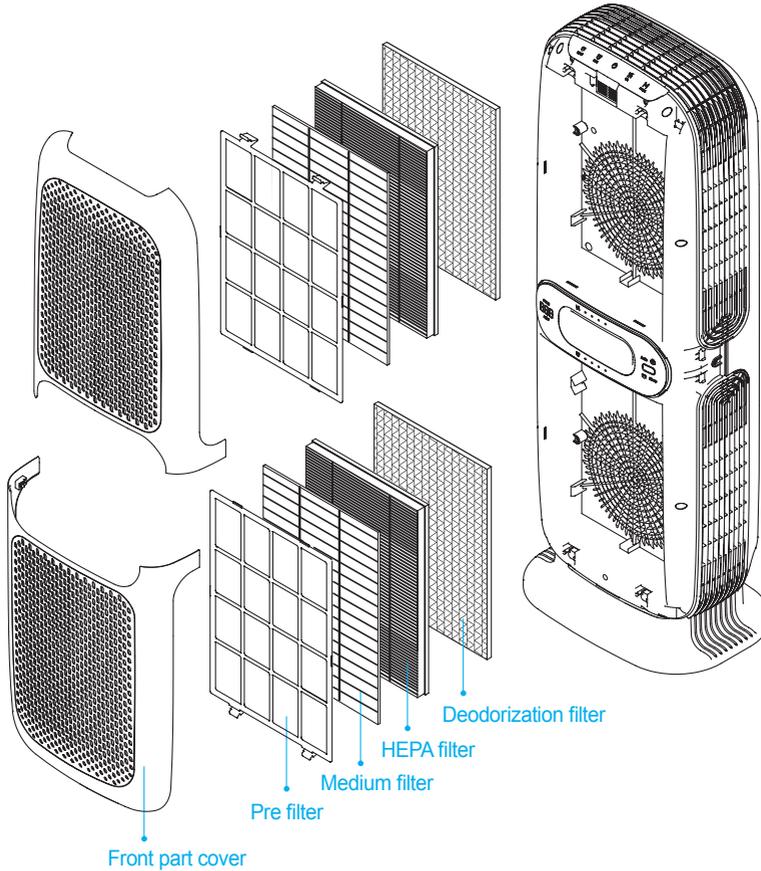
03 Name of each part

Stand type (GAP-17H8550 / GAP-25H8550 / GAP-17U8550)



Wall-mounted type (GAP-17H8560 / GAP-25H8560 / GAP-17U8560)

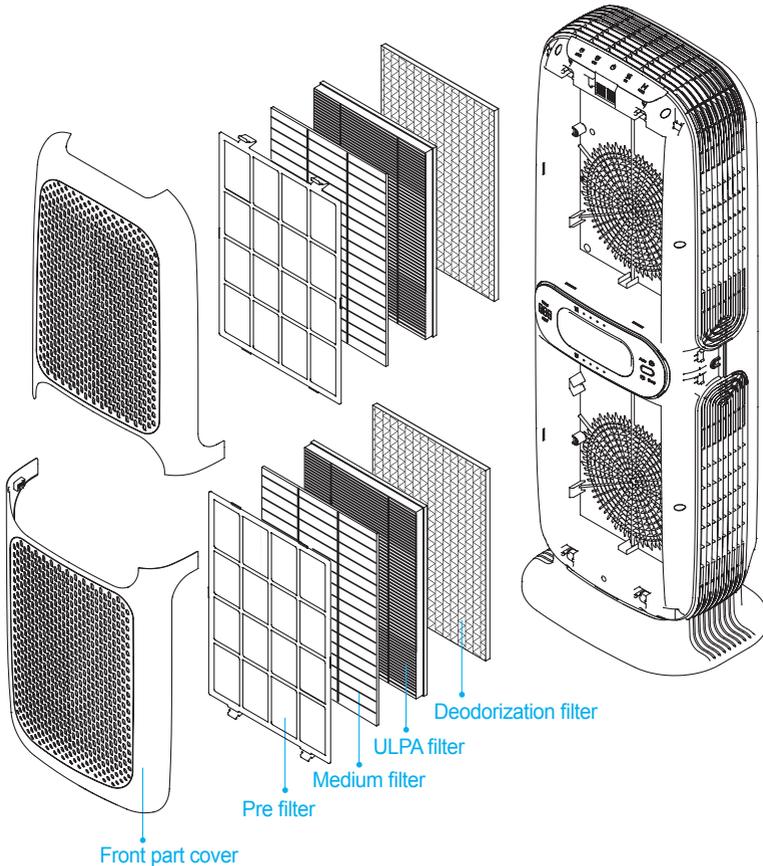




Pre filter	It removes visible dirt such as lint, futon dust, and pet hair, etc.
Medium filter	It removes coarse dust, yellow dust, house dust mites, and removes formaldehyde, the causative agent of sick house syndrome.
HEPA filter	It removes respiratory dust that adversely affects the human body by application of HEPA filter which is capable to remove ultrafine dust.
Deodorization filter	Applied activated carbon which is excellent in the removal efficiency of daily life odorant material such as ammonia, acetaldehyde and acetic acid and sick house syndrome causing materials such as volatile organic compounds and formaldehyde.

04

Filter function GAP-17U8550 / GAP-17U8560

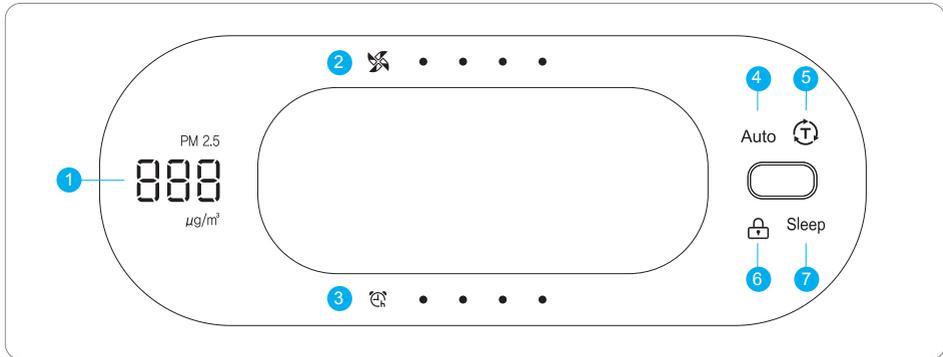


Pre filter	It removes visible dirt such as lint, futon dust, and pet hair, etc.
Medium filter	It removes coarse dust, yellow dust, house dust mites, and removes formaldehyde, the causative agent of sick house syndrome.
ULPA filter	It removes respiratory dust that adversely affects the human body by application of high-performance ULPA filter capable to remove 0.1 μm ultrafine dust .
Deodorization filter	Applied activated carbon which is excellent in the removal efficiency of daily life odorant material such as ammonia, acetaldehyde and acetic acid and sick house syndrome causing materials such as volatile organic compounds and formaldehyde.

05

Display and control unit functions (Stand type)

Display part



- 1 **Pollution display:** Displays indoor PM 2.5 concentration.
- 2 **Wind speed step display:** Displays the wind speed step.
- 3 **Timer display:** Displays the product OFF time.
- 4 **Automatic operation display:** Displays Shows automatic operation ON / OFF.
- 5 **Turbo setting display:** Displays turbo operation ON / OFF.
- 6 **Lock display:** Displays the lock function setting ON / OFF.
- 7 **Sleep mode operation display:** Displays sleep mode operation ON / OFF.

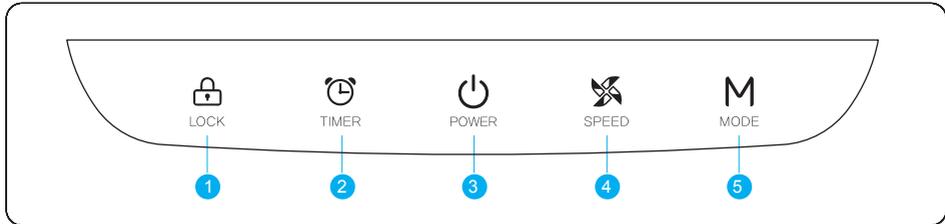
Sensor readiness indication



The sensor readiness is indicated in the pollution degree indicator during the first 1 minute of the indoor dust pollution display.

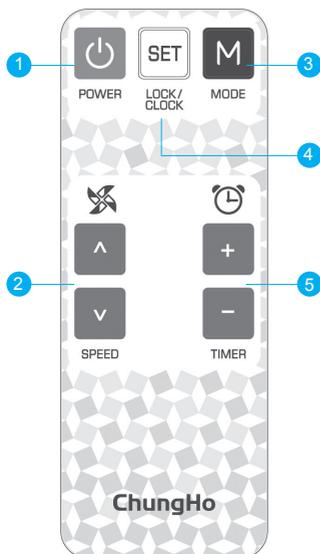
05 Display and control unit functions (Stand type)

Control part



- 1 **Lock setting button:** Press on the button for 2 seconds to set the lock function.
- 2 **Timer setting button:** Product OFF time setting.
- 3 **Power button:** Product ON / OFF.
- 4 **Wind speed setting button:** Wind speed step setting.
- 5 **Mode setting button:** Automatic operation and sleep mode operation setting.

Remote control



- Reception distance: Within 3 meters from receiver
- Reception range: Within 60° front part of receiver

- 1 **Power button:** Product ON/ OFF.
- 2 **Wind speed setting button:** Wind speed step setting.
Pressed on the wind speed setting button during sleep and automatic operation, it switches to basic operation.
- 3 **Mode setting button:** Automatic operation and sleep mode operation setting.
- 4 **Lock setting button:** Lock function setting ON/OFF.
※ CLOCK function is not applied to this product.
- 5 **Timer setting button:** Product OFF time setting.

• How to replace the remote-control battery

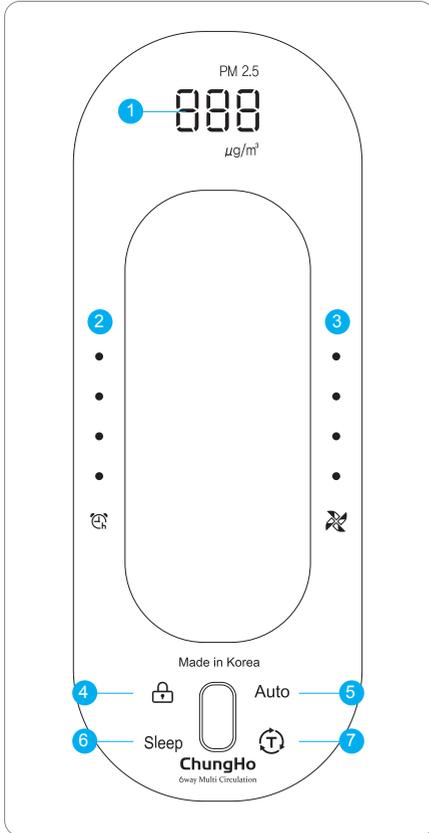
Please replace the CR2025 batteries correctly with the polarities of + and -.

※ This may be the cause of remote controller malfunction when using air cleaner in close proximity to a three-wavelength lamp.

06

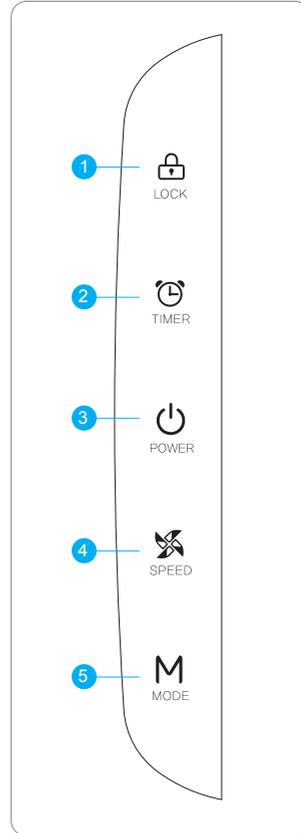
Display and control unit functions (Wall-mounted type)

Display part



- ① **Pollution display:** Displays indoor PM 2.5 concentration.
- ② **Timer display:** Product OFF time display.
- ③ **Wind speed step display:** Displays the wind speed step.
- ④ **Lock display:** Displays the lock function setting ON / OFF.
- ⑤ **Automatic operation display:** Displays automatic operation ON / OFF.
- ⑥ **Sleep mode display:** Displays sleep mode ON / OFF.
- ⑦ **Turbo setting display:** Displays turbo operation ON / OFF.

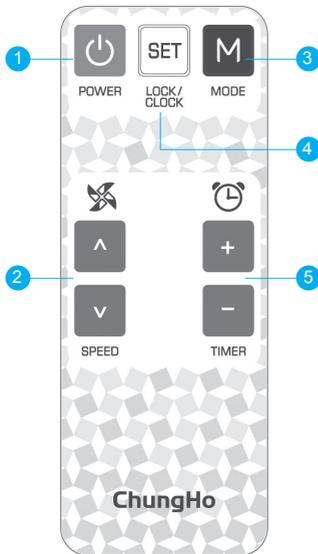
Control part



- ① **Lock setting button:** Lock function setting ON/OFF.
- ② **Timer setting button:** Product OFF time setting.
- ③ **Power button:** Product ON / OFF.
- ④ **Wind speed setting button:** Wind speed step setting.
- ⑤ **Mode setting button:** Automatic operation and sleep mode operation setting.

06 Display and control unit functions (Wall-mounted type)

Remote control



- Reception distance: Within 3 meters from receiver.
- Reception range: Within 60° front part of receiver.

- 1 **Power button:** Product ON / OFF.
- 2 **Wind speed setting button:** Wind speed step setting.
Pressed on the wind speed setting button during sleep and automatic operation, it switches to basic operation.
- 3 **Mode setting button:** Automatic operation and sleep mode operation setting.
- 4 **Lock setting button:** Lock function setting ON / OFF.
※ CLOCK function is not applied to this product.
- 5 **Timer setting button:** Product OFF time setting.

• How to replace the remote-control battery

Please replace the CR2025 batteries correctly with the polarities of + and -.

※ This may be the cause of remote controller malfunction when using air cleaner in close proximity to a three-wavelength lamp.

07 How to use the control panel

- ※ Plug the power plug into the outlet before operating the product.
- ※ Connect the power plug to the outlet and turn on the power ON then, it will operate in one step basically.

Power button

It turns the power ON / OFF of the air purifier.



Product control panel



Remote control

Timer button (Off Timer setting)

Product control panel

Each time the timer button is pressed on, it operates **Continuous → 1 hour → 2 hours → 4 hours → 8 hours → Continuous (OFF) → 1 hour.**

- When the power is turned ON, it is set in continuous.

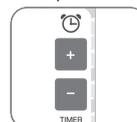


Product control panel

Remote control

It operates **Continuous → 1 hour → 2 hours → 4 hours → 8 hours → Continuous (OFF) → 1 hour** and, with the **+** button pressed on, the OFF time setting goes one step up and with the **-** button pressed on, it goes one step down.

- When the power is turned ON, it is set in continuous.



Remote control

Time	Continuous	1 hour	2 hour	4 hour	8 hour
Display part Stand type	🕒	🕒	🕒	🕒	🕒

Time	Continuous	1 hour	2 hour	4 hour	8 hour
Display part Wall-mounted type

	🕒	🕒	🕒	🕒	🕒

07 How to use the control panel

Lock setting button

Product control panel

Press and hold on the button for 2 seconds to set the lock function ON / OFF.



Product control panel

Remote control

※ CLOCK function is not applied to this product.



Remote control

Wind speed setting button

Product control panel

Each time the air volume setting button is pressed on, it operates from **weak** → **medium** → **strong** → **turbo** → **weak**.

- When the power is turned ON, it is set in weak.

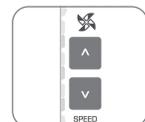


Product control panel

Remote control

It works in **weak** → **medium** → **strong** → **turbo** → **weak** step and with the **▲** button is pressed on it goes one step up and, with **▼** button pressed on, it goes one step down.

- When the power is turned ON, it is set in weak.



Remote control

Time	Weak	Medium	Strong	Turbo
Display part	✪	✪	✪	✪
Stand type				

Time	Weak	Medium	Strong	Turbo
Display part
Wall-mounted type
	✪	✪	✪	✪

07 How to use the control panel

Mode (Automatic operation / Sleep operation) setting

Product control panel

Each time the  setting button is pressed on, it operates in order of

Automatic operation → Sleep operation → Setting cancellation → Automatic operation.

- When the power is turned ON, the automatic operation mode is initially set up.



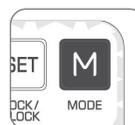
Product control panel

Remote control

Each time the  button is pressed on, it operates in order of

Automatic operation → Sleep operation → Setting cancellation → Automatic operation.

- When the power is turned ON, it is set in automatic operation.



Remote control

Automatic operation

In the case of automatic operation, the air volume operates in weak step, medium step and strong step according to contamination degree of the dust detected by the dust sensor.

 PM 2.5 888 µg/m ³ Pollution degree(PM2.5)	~ 15µg/m ³	16~35µg/m ³	36~75µg/m ³	76µg/m ³ ~
Dust pollution level LED	Blue color	Green color	Yellow color	Red color
Air volume step	Weak	Medium	Strong	Strong
Pollution status	Good	Normal	Bad	Very bad

- ※ Depending on the environment, there may be a difference in ultrafine dust.
 - Fine dust levels may appear high level in dusty places, where smoke is generated, used humidifiers and sprayers, misty weather or where yellow dust comes in.
 - Even if different products are used in the same space, the displayed value of the product may be different due to air circulation.
 - Removing the front cover and sensor cover, the ultrafine dust concentration may increase.
 - The number of pollution level on the display may be different from the number of pollution level provided by public authorities due to differences in usage environment and measurement method.

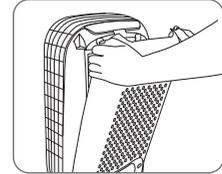
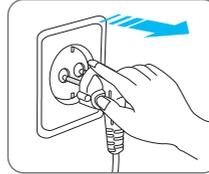
Sleep operation

In sleep operation mode, the brightness of the display part dims and the pollution indicator lamp turns off, and it works quietly with a sleeping phase that does not interfere with sleeping.

08 How to clean and replace the filter

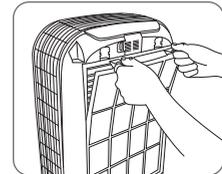
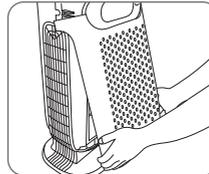
1. Unplug the power plug from the outlet.

※ If not, an electric shock may occur.



2. Remove the upper front cover by pulling out the upper side.

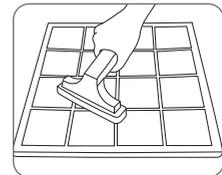
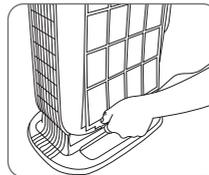
3. Remove the lower front cover by pulling out the lower side.



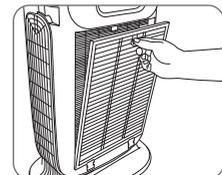
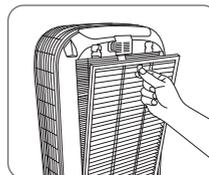
4. Remove the upper Pre filter by pulling the two knobs on the upper part.

5. Remove the lower Pre filter by pulling the two knobs on the lower part.

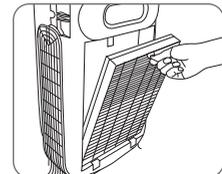
- Cleaning process is required by vacuum cleaner or water once a month.



6. Remove the upper and lower Medium filters from the main body.

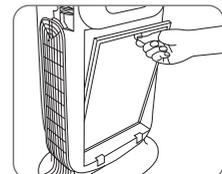


7. Pull out the top and bottom HEPA / ULPA filters from the main body.

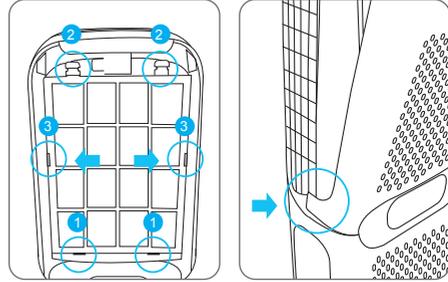


8. Remove the top and bottom Deodorizing filters from the main body.

9. Replace the used Medium, HEPA / ULPA, Deodorizing filter with replacement filter.



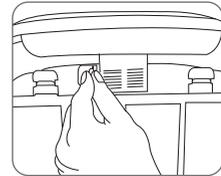
10. Insert the filters into the body in order.
(The order of filters is from the front, followed by Pre filter, Medium filter, HEPA / ULPA filter and Deodorization filter.)
11. When joining the Pre filter, align the groove on the bottom, fix the upper hook, and press down the middle part of the filter.
12. Close the front cover and connect the power plug.
When joining the front cover, align the bottom hook and push up the upper part to fix it. And press down the side part in order to join the projected part.



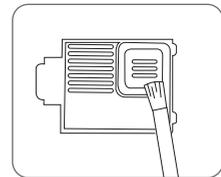
How to clean the dust sensor

If the sensor is dirty, the ultrafine dust concentration may be high or low. Clean the surrounding of the sensor with a brush or vacuum cleaner.

1. Separate the front cover and remove the dust from the sensor cover.



2. Separate the sensor cover and remove the dust on the sensor surface.



09 Filter service life

Filter	Service life & Cleaning	Process
Prefilter	3 months	Reuse after cleaning
Medium filter	3 months	Change
HEPA filter/ ULPA filter	12 months	Change
Deodorization filter	6 months	Change

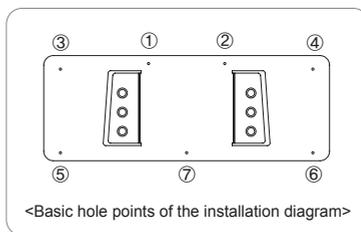
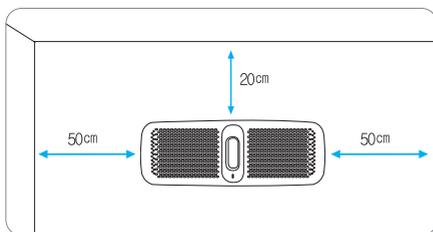
※ The filter replacement period and cleaning cycle may vary depending on the environment.

10

Installation method (Wall-mounted type)

- ※ The installation will be done by our engineer. Please check if the installation has been done correctly. This product is 220-240 V~ / 50 Hz of indoor use only.
- ※ Please install only on the concrete wall. Gypsum board walls, brick walls and other non-rigid walls may cause damage by the product fall down.

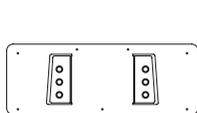
- ① Be sure to read and keep the instruction manual in the packing box. Do not install in direct sunlight or where there is a heating device.
- ② Determine the location of the power outlet and the installation point with good remote control reception using the installation diagram, and attach the installation diagram on the wall.



- ③ Drill the holes in the 7 points shown in above installation diagram by using hammer drill.
 - (※ The hammer drill blade must be \varnothing 6.5mm and groove depth shall be 35mm.)
- ④ After drilling finished, insert the knife block (6X30mm) into the groove and push it all the way.
- ⑤ Remove the installation diagram and wipe the wall cleanly.
- ⑥ Tighten the 7 points with screws to secure the fixing plate onto the wall.
- ⑦ Lift up the product and fit the back groove into the fixing plate from top to bottom in order to the back groove is fully seated on the fixing plate and fix the product.

※ Please be careful not to hang on or step on the product. It may cause damage by the product fall down.
 ※ Please install only on the concrete wall. Gypsum board walls, brick walls and other non-rigid walls may cause damage by the product fall down.

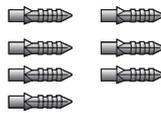
<Wall mounting accessories>



Hanger (1 unit)



Screws (7 pieces)



Knife block (7 pieces)



Installation plan (1 unit)

11 Troubleshooting

Symptom	Check item	Yes	No
When the display is off and the product does not work.	Is the power plug inserted properly?	Request follow-up service.	Insert the plug into a power outlet properly. Make sure the power plug is used in 220-240 V~ / 50 Hz.
	Check if power outlet is defective.	Use a normal power outlet.	
Decreased air flow.	Check condition of the filter and clean/replace if necessary.	Replace filters with new ones and clean up Pre filter.	Request follow-up service.
Decreased deodorization.	Check condition of the filter and clean/replace if necessary.	Replace the deodorization filter.	
The product is severely shaking.	Is it installed in a sloping place or an uneven floor?	Please install it on a flat surface without sloping.	
Strange smell coming out from air outlet.	Has the filter been cleaned and replaced?	Clean or replace the filters.	
	Is it used in places where smoke or odor is constantly generated?	Continuous smell and smoke may cause performance degradation.	
The color of the dust pollution indicator lamp is always the same.	Is there dust on the dust sensor area?	Clean the dust sensor area.	
The brightness of the display panel is not good.	Is the sleep operation mode selected?	During sleep operation mode, the brightness of the display dims automatically.	
In case of other abnormalities.	Checking the symptom of the problem, unplug the power plug and request follow-up service.		

※ If the problem persists after checking the above items, request follow-up service.

Model name		GAP-17H8550	GAP-17H8560	GAP-25H8550	GAP-25H8560
Type		Stand	Wall-mounted	Stand	Wall-mounted
Power consumption		27 W		57 W	
Applicable area		59 m ²		77 m ²	
Noise		Less than 50dB		Less than 55dB	
Installation place		Indoors			
Product weight		15 kg	14.4 kg	15 kg	14.4 kg
Product size	Stand type	361Wx210Dx1074H(mm)			
	Wall-mounted type	1037Wx361Dx219H(mm)			

Model name		GAP-17U8550	GAP-17U8560
Type		Stand	Wall-mounted
Power consumption		48 W	
Applicable area		51 m ²	
Noise		Less than 55dB	
Installation place		Indoors	
Product weight		15 kg	14.4 kg
Product size	Stand type	361Wx210Dx1074H(mm)	
	Wall-mounted type	1037Wx361Dx219H(mm)	

- ※ The size of the product may vary depending on the measuring position.
- ※ Design and product specifications are subject to change without prior notice for quality improvement.



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