

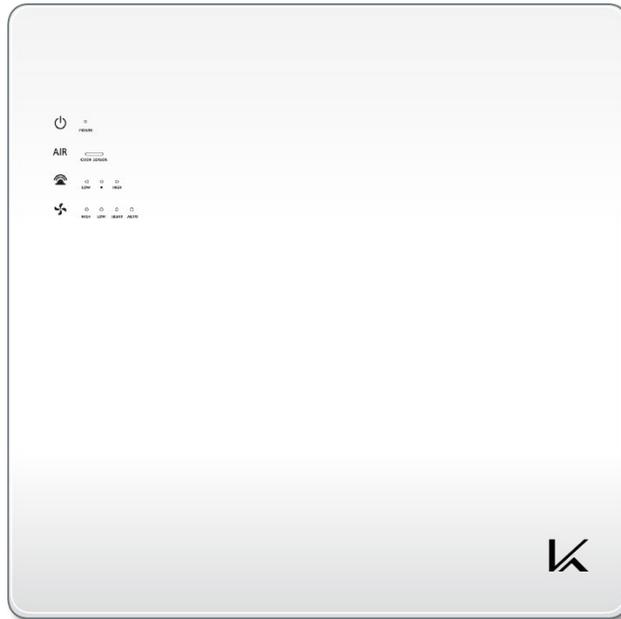


TURNED

Photocatalytic Air Purifier Wall Type

KL-W01

User's Manual (International)



Read and SAVE THESE INSTRUCTIONS

Thank you for purchasing photocatalyst Air Purifier Wall Type "KL-W01"
Please read this owner's manual before you start using this appliance.
Read "Quick Start Guide" for the initial set up.

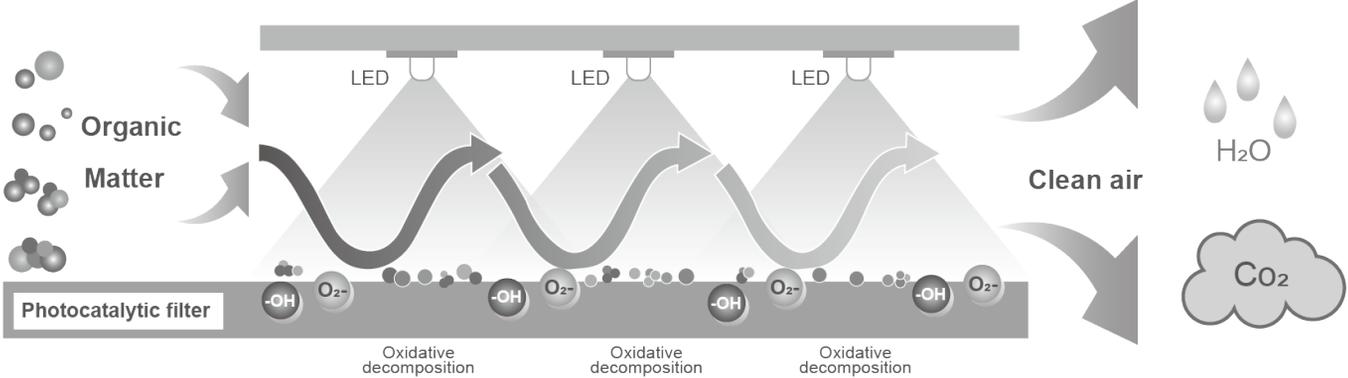
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The Flow of Use	3
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The photocatalyst technology is applied to this wall-mounted type Air Purifier
 This product will bring you comfortable “noiseless space “



Photocatalytic technology reduces a variety of odors



? What is “photocatalyst technology”?

When a photocatalytically active material is irradiated with light, it has a strong oxidizing effects. This strong oxidizing capability of the photocatalyst can be used to reduce odor-causing substances.

The Flow of Use

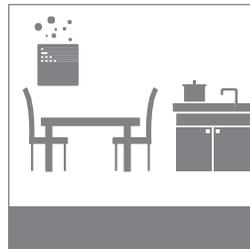
1 Choose a Location to Install See Quick Start Guide ▶

1 ▼

For unpleasant indoor odor.



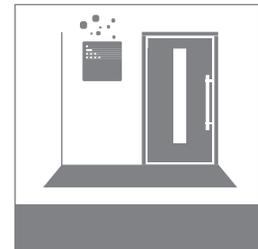
living room



kitchen & dining



bedroom



entrance

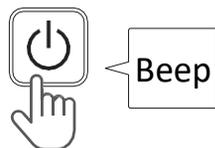
2 How to Install See Quick Start Guide ▶

2 ▼

See the "Quick Start Guide" and install correctly

3 Getting started P7 ▶

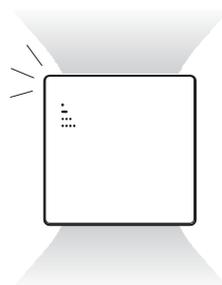
3 ▼



Just push the power button

4 Using Efficiently P8~P10 / See "Quick Start Guide" ▶

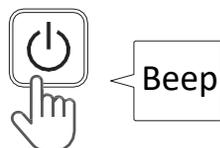
4 ▼



Create comfortable space with its suitable setting

5 How to turn off P9 ▶

5 ▼



Push the Power Button again

Safety Precautions

Please follow the user manual's instructions.

Before using this product, be sure to read this "Safety Precautions" section.
The following information is provided to ensure the correct and safe use of this product.

- Notation of these items



WARNING Content that may cause fire, electric shock, or injury, resulting in death or serious injury.



CAUTION Contents that may cause burns or other minor injuries, or damage to the product, fire, or electric shock.



Prohibited acts



Actions that must be taken.



WARNING



- Only use your air purifier as described in this manual.
- Do not damage the AC adapter / power cord or use a damaged power cord. Do not modify, forcibly bend, pull, or twist the power cord. Do not put heavy objects on it or let them get caught in it.
- Never place the cord near any heat source.
- Do not cover the cord with a rug, carpet, or other covering. Do not place the cord under furniture or appliances.
- Do not connect or disconnect the AC adapter or power cord with wet hands.
- Do not overload electrical sockets with multiple appliances
- Do not use the product if the plug is loose.
- Do not disassemble, modify, or repair the main unit or the photocatalytic filter. Also, do not disassemble the photocatalyst filter when cleaning.
- Do not allow fine metal objects (pins, wires, etc.) to enter the inlet or outlet. ✘ When an object enters the air suction vent, the fan automatically stops and the power lamp and flash and beeps.
- In such cases, remove the objects from air suction vent and restart. (→Page13)
- Never place in water or liquid. Never pour water or liquid on it.
- If liquid or foreign matter gets inside, turn off the power, unplug the power cord from the outlet
- Do not wipe with oil, alcohol, benzene, thinner, or spray with hair spray or insecticide. ✘ If it sticks, wipe off.
- Do not use within the reach of young infants.
- Do not use in a particular environment such as a factory and where salt damage occurs and where corrosive gas is generated etc.
- Do not use your air purifier outdoors.



- Use the supplied AC adapter and power cord with a household AC 100~240V outlet.
- Insert the power plug firmly into the back of the outlet.
- Keep air purifier near the outlet it is plugged into.
- Keep the cord out of areas where people walk often. Place the cord where it will not be tripped over.
- Regularly remove dust from the power plug and AC adapter connection.
- Before cleaning, be sure to disconnect the AC adapter and power cord from the outlet.
- When lightning strikes, turn off the power and unplug it from the outlet.
- If you notice a burning smell or unusual noise during use, turn off the power, unplug the power cord from the outlet.

Safety Precautions (Continued)

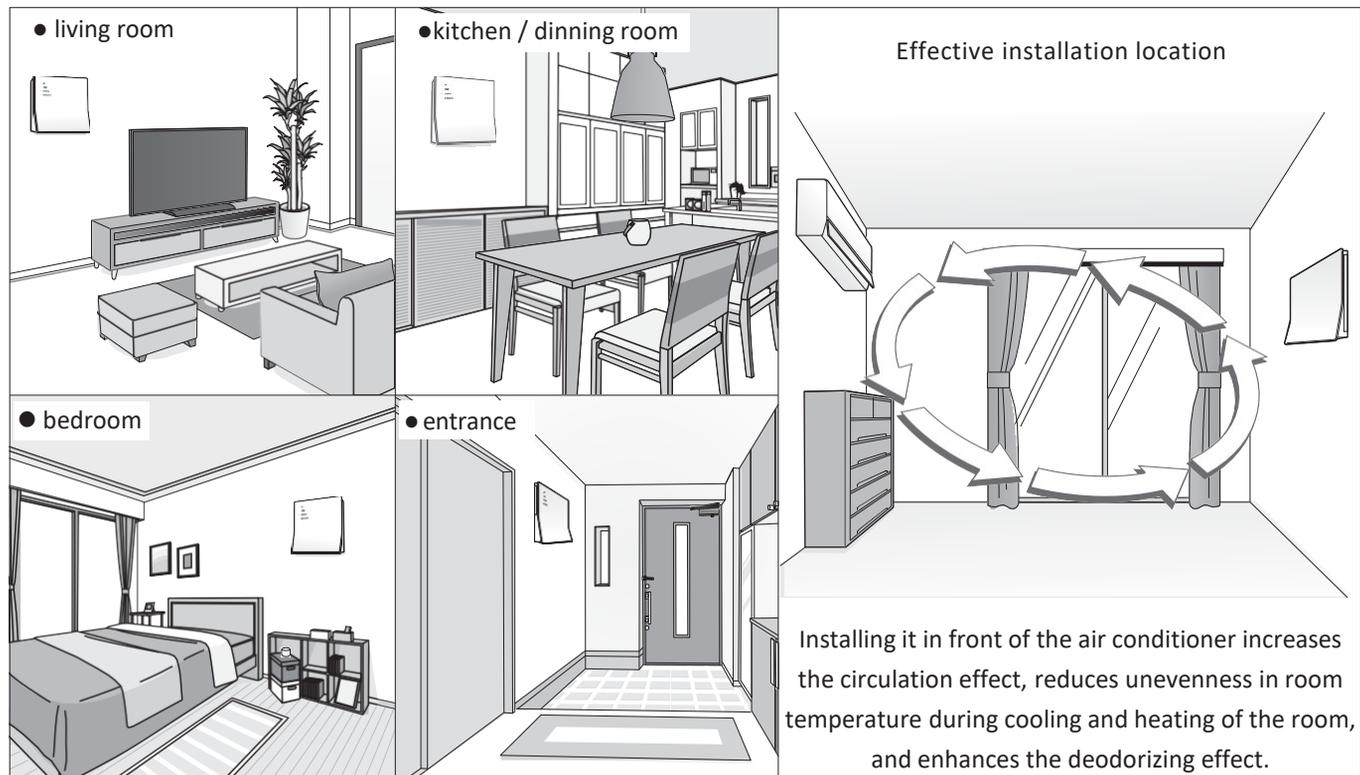
Caution

- Do not use in the following places.
 - Close to combustible materials such as curtains and clothing.
 - Bathrooms and other places subject to water or high humidity
 - Places where oil components, such as cooking oil, are floating.
 - Places subject to severe vibration
 - Do not hold the appliance body by its front panel alone.
 - Do not place any objects on top of the product. Do not place heating or cooling appliance near the product, and do not let expose the product to fire.
 - Do not operate the unit with the filter removed.
 - Do not use this product in a place where it will be exposed to steam from humidifiers. Also, do not let the product suck in steam directly. This may reduce the life of the filter.
 - Do not place the product in a place where it will be exposed to the strong air flow of an air conditioner or heater, or near a window.
 - Do not subject the product to strong impact by stepping on it or dropping it.
 - If the unit becomes hot during use, do not touch the unit.
 - Do not block the inlet or outlet when the power is on and during operation.
 - Do not use this product in areas where smoke based insecticides or deodorants sprays are being used. Drug components may remain inside the product and be released.
 - Do not blow cigarette smoke into the inlet.
 - This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved
 - Children being supervised not to play with the appliance.
 - Cleaning and user maintenance shall not be made by children without supervision.
-
-  Install on a sturdy wall.
 - When you unplug the power cord, please do not yank out the cord only.
 - When planning not to use for a long period of time, unplug the power cord from the power outlet.
 - This product is not a substitute for ventilation. Ventilate frequently when this product is being used with combustible appliances.
 - When disinfecting a room with chemicals such as smoke-based insecticides, turn off the power and move the unit or cover it with a sheet to prevent the chemicals from sticking to the product. After disinfecting the room with chemicals, be sure to ventilate the room well before resuming operation.
 - At the disposal of this product, please follow the instructions of the local community rule and dispose of it properly.

Before Use

● About the Installation Location

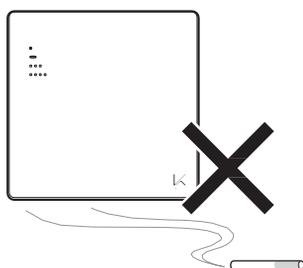
For details on how to install this appliance, refer to the separate "Quick Start Guide".



※Each scenario is a reference image based on our experimental results.

! Precautions for Installation

- Do not use the product in a place where it will be exposed to steam from a humidifier. Also, do not allow the product to take in steam directly. This will reduce the life of the filter and cause it to malfunction.
- Keep away from direct sunlight. This may cause deformation, alteration, or discoloration.
- Do not place near air conditioners, heaters, or windows. This may cause deformation, alteration, discoloration, or malfunction of the sensor.
- Please install on a sturdy wall. Otherwise, it may cause wall dents and drops
- If TV noise occurs, or the radio clock does not set correctly, move it as far away as possible from the TV and radio clock.
- In environments where strong odors occur, it is recommended to use this product with proper ventilation of the space.

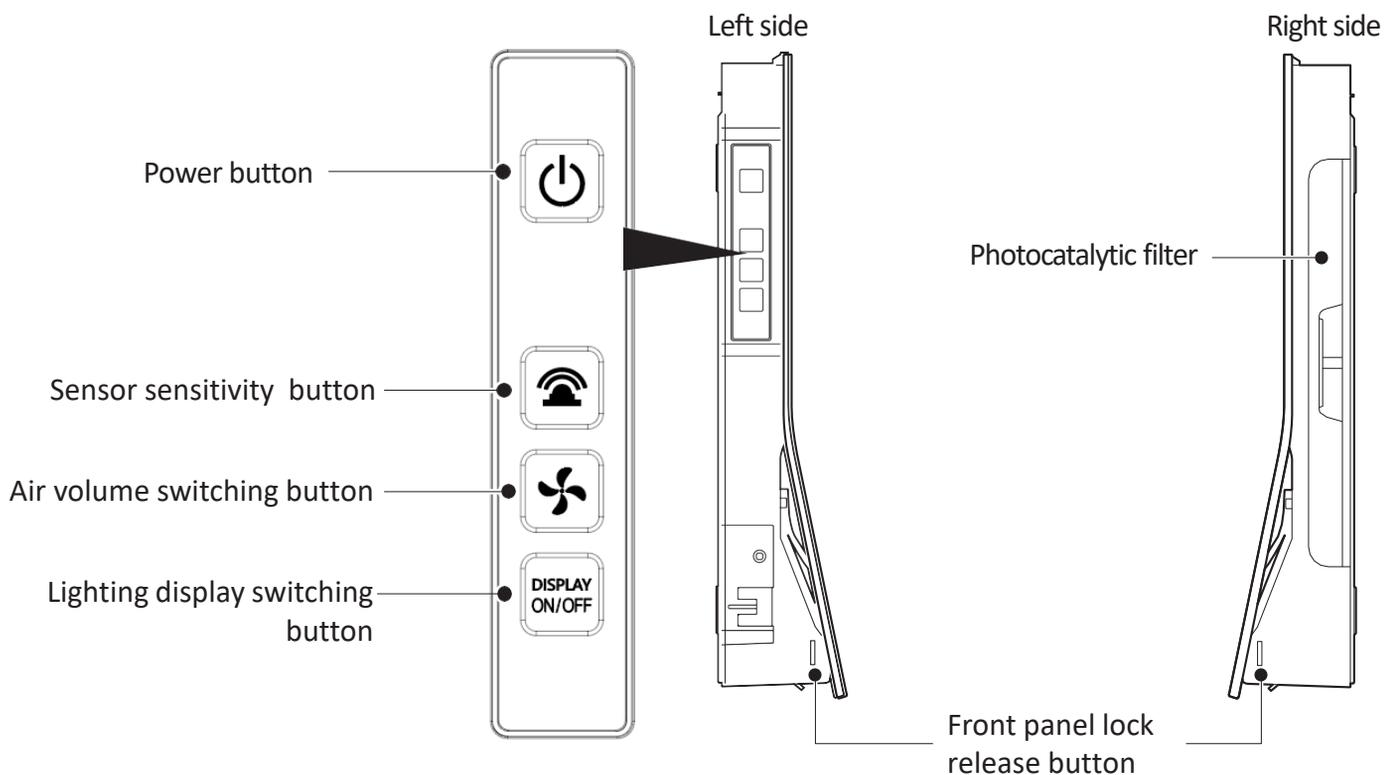
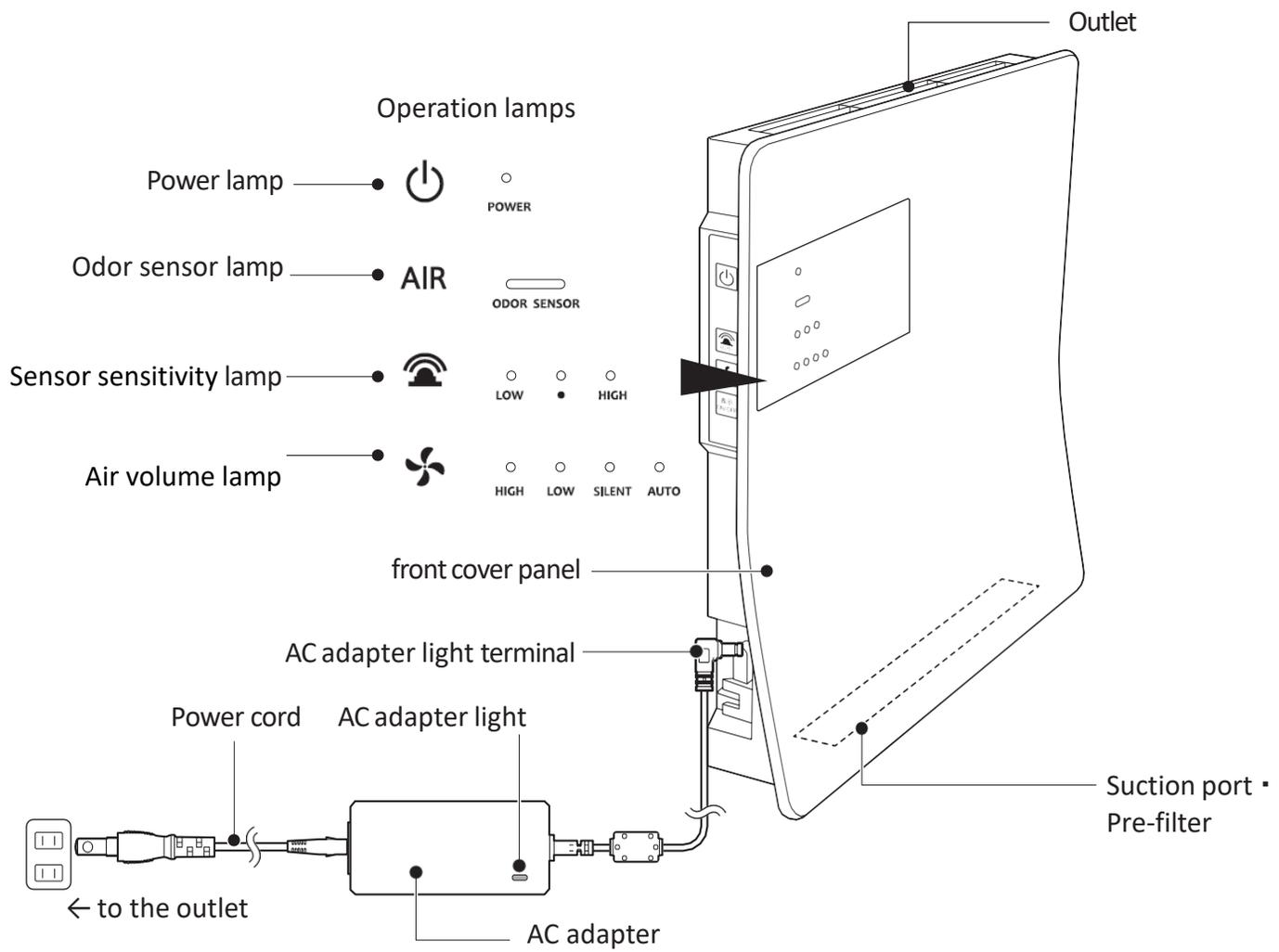


This appliance is a device that collects odor components in the entire room. In an environment where strong odors are generated * 1 or in an environment where sprays containing fluorine resin or silicone are used * 2, odors and insulation adhere to the photocatalyst filter, and the effect is reduced. In such cases, please clean the photocatalyst filter. (→Page12)

*1 Air freshener, aroma oil, tobacco, using cooking grill, etc.

*2 Cosmetics, hair care agents (hair mousse, hair treatment, split coat, etc.), antiperspirants, antistatic agents, waterproof sprays, glass cleaners, waxes, chemical wiping cloths, etc.

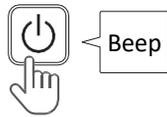
Name of Each Parts



How to Use

1 Turn on the Power

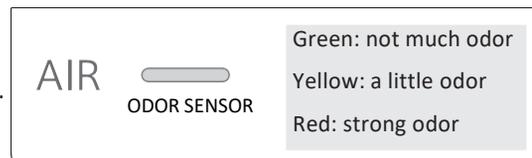
Push the power button



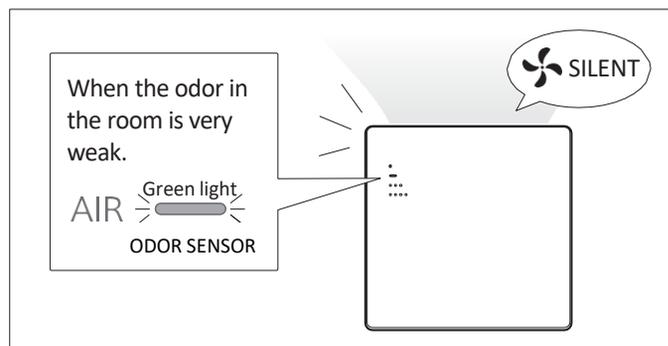
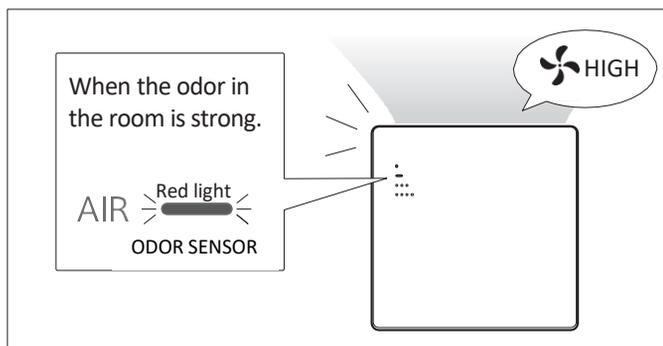
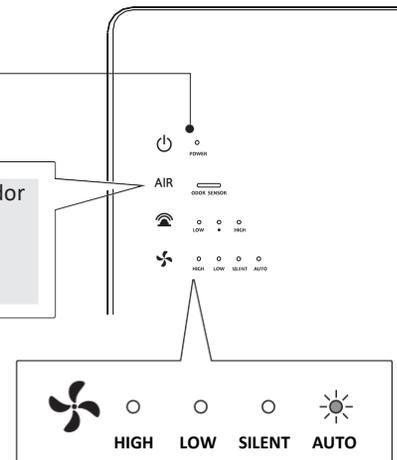
Lights On



The levels of the odor in the room is displayed in three colors by the odor sensor.
(In 3 stages: Green, Yellow and Red)



When the air volume is set to "Auto", the air volume is automatically switched according to the odor intensity detected.



The odor sensitivity is adjusted with the sensor sensitivity button. (Below) When the sensor sensitivity is set, the air volume will be "Auto". When odor is strong or want to use a certain constant air volume, set the air volume with the air volume button (→ Page 9)

Note

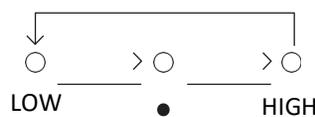
- The sensor sensitivity and air volume level setting will be saved, when turned off.
- When you go to sleep, you can turn off all lights except the power light by pressing the light indicator button. (Press once more to turn on)

2 Set Sensor Sensitivity (When using with the air volume set to "Auto")

Initial setting of Sensor Sensitivity is High.

The sensitivity setting of the odor sensor varies depending on the installation location and environment of this appliance. Refer to "Recommended settings for each room" for setting guidelines. (→Page10)

Press the Sensor Sensitivity button



Each time you press the sensor sensitivity button, it changes its level.

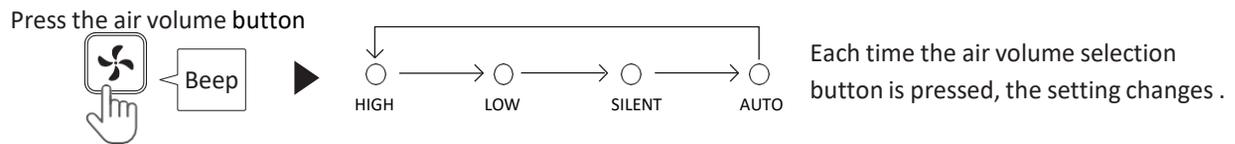
Note

Sensor sensitivity is applied when air volume is set to "Auto". The air volume is set to other mode, it operates at a constant air volume regardless of sensor sensitivity level. (→Page9)

3 Adjusting the Air Volume

Initially, it is set to "Auto".

When the air volume is set to "High", "Low", or "Silent", continuous operation is performed at the set air volume regardless of the sensitivity of the odor sensor.

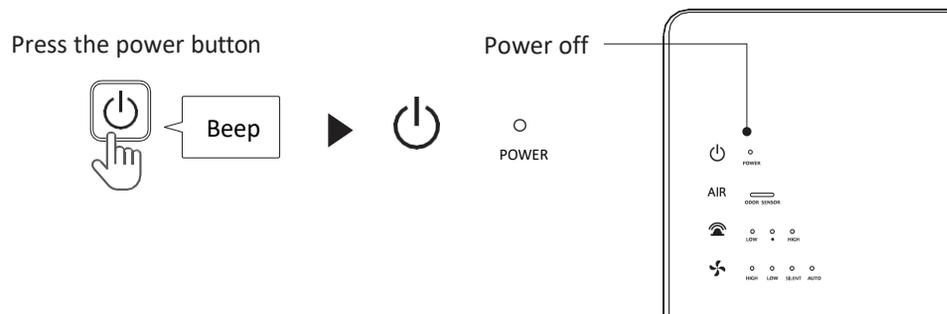


Note

When the air volume is set to "Auto", the sensor detects the odor in the room and switches the air volume automatically.

Odor sensor color	air volume
Green	Silent
Yellow	Low
Red	High

4 Power Off



Note

When you do not use this appliance for a long time, unplug the power plug from the outlet.

After the power plug is unplugged from the outlet, the "sensor sensitivity" and "air volume" return to the default setting.

How to Use (continue)

- Recommended setting for each room

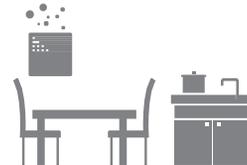
* The setting levels for each room are based on our experiment results.

When the air-flow volume mode is set to "Auto" : Set the "sensor sensitivity"



living room

Scene	 Sensor sensitivity	 Air volume
With pets	High	auto
General home	●(standard)	auto
Absence	Low	auto



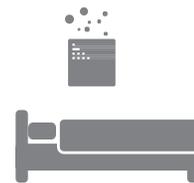
Kitchen / dining

Scene	 Sensor sensitivity	 Air volume
Cooking / strong odor	High	auto
General home	●(standard)	auto
Absence	Low	auto



entrance

Scene	 Sensor sensitivity	 Air volume
Large family / lots of traffic	High	auto
General home	●(standard)	auto
Absence	Low	auto



bedroom

Scene	 Sensor sensitivity	 Air volume
With pets	High	auto
General home	●(standard)	auto
Absence	Low	auto

When you deodorize the room or want to use a constant air volume: Set the "Air volume"

Scene	 Air volume
When you cook / When you want to deodorize the room	High
Absent for hours / in a room with pets / want to operate continuously	Low
When you go to sleep	Silent

How to Care and Maintain

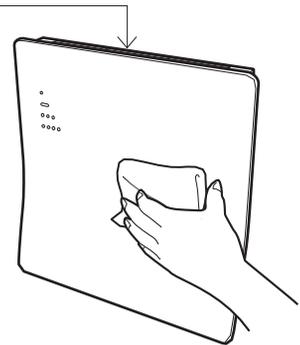
Please keep the appliance front panel and vent area clean. In particular around the air vent where dust and dirt stains may build up, ensure the air vent surrounding areas are cleaned on a regular basis.

If you want to know the recommended frequency of maintenance, see "Guide for caring". (→page 13)

• Main unit and air vent

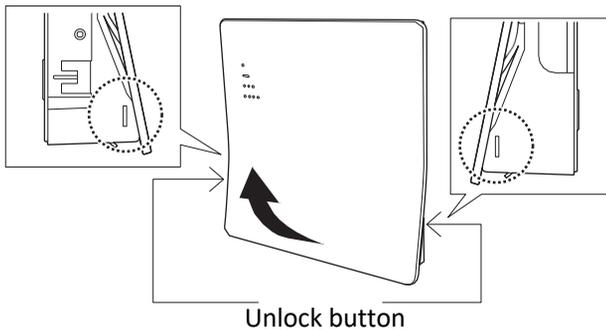
Wipe off dirt with a dry soft cloth.

Wipe the surface without pressing hard on top of the outlet.

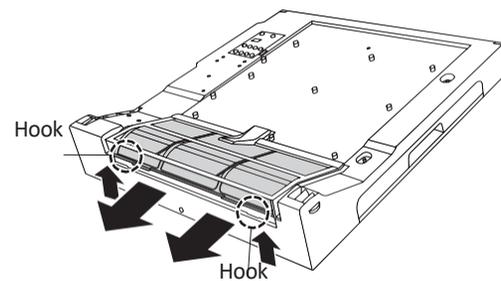


• Pre-filter (Air suction vent) care

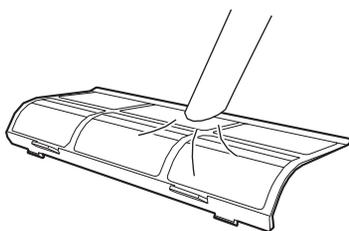
1 Turn off the power and remove the front panel



2 Unhook the Pre-filter pull and pull it out

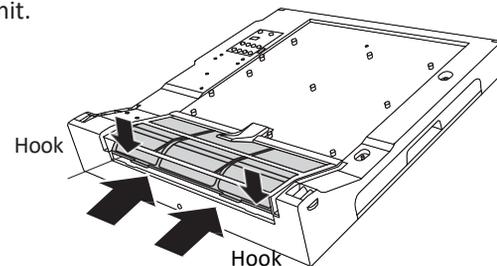


3 Remove adhering dust



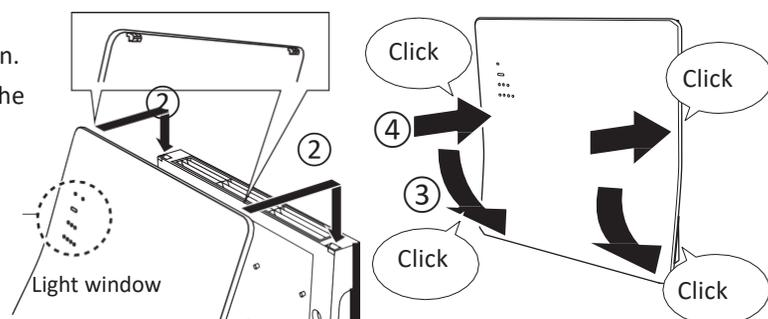
* Be careful not to scratch the filter surface.
When it is extremely dirty, wash it with a neutral detergent and dry it thoroughly.

4 Attach the Pre-filter and hook it back to the main unit.



5 Installing the front panel back

- ① Push the power button to turn the power on.
- ② Hook the front panel tab into the dents at the top of the main unit
- ③④ It is easier to set adjusting the positions between the lamp's window and as the lamps light up on the main unit.
Hold down the panel until it clicks.



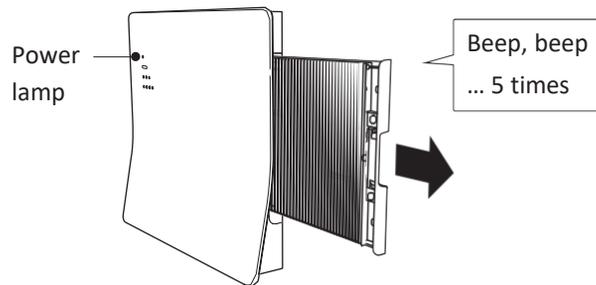
How to Care and Maintain

● Cleaning the photocatalyst filter

Rinse the dust on the surface of the photocatalyst filter.

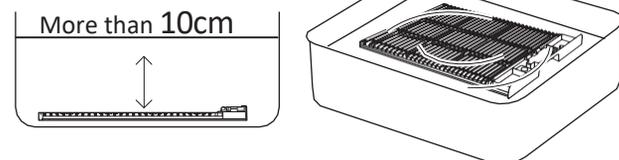
1 Remove the photocatalytic filter

It beeps five times, and the power turns off.



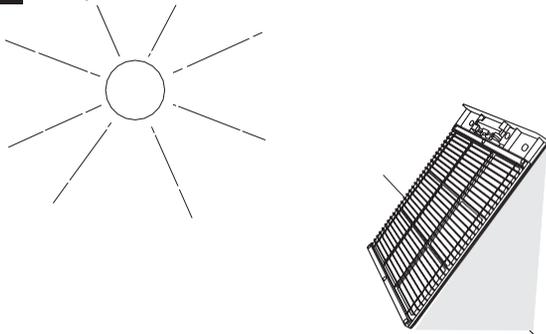
2 Soak the filter for approx. 10 hours.

Only use water or warm water

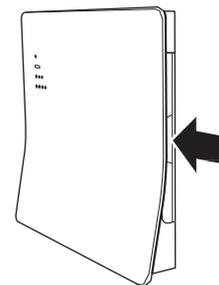


WARNING: Do not scrub the filter as the photocatalyst elements may be damaged

3 Air dry under the sun



4 Attach the photocatalyst filter and turn the power on.



<CAUTION>

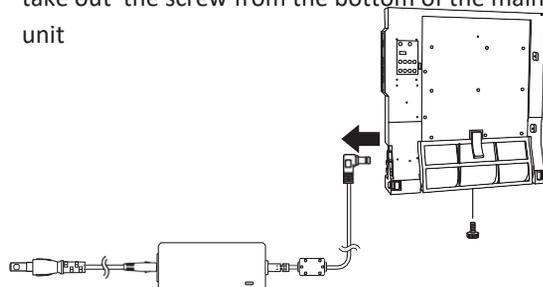
- Use a container without detergent, soap, chemicals, and oils to soak the photocatalyst filter.
- When the photocatalyst filter is not attached back correctly, the power light flashes and beeps. Please try again.

● Remove from wall

1 Turn off the power and disconnect the power plug from the outlet. Please refer to "4 Power off" (→Page9)

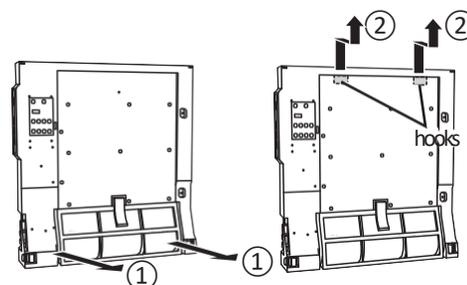
2 Remove the front panel Refer to procedure 1 "Pre-filter (Air suction vent) care" (→Page11)

3 Remove the AC adapter from the main unit and take out the screw from the bottom of the main unit



4 Remove the main unit from the fixing angle(back panel)

- ① Pull the bottom part of the main unit to detach from the fixing angle.
- ② Lift the unit slightly and pull up the hook from the fixing angle.



How to Care and Maintain (continue)

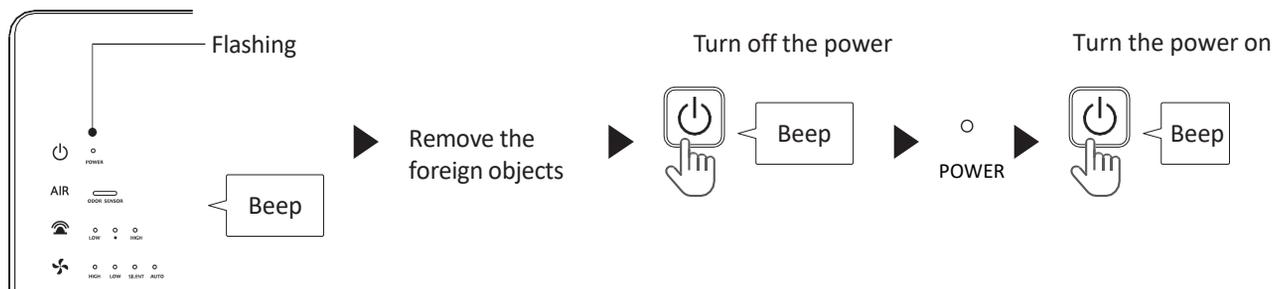
● Guide for caring

※ our recommended standard below.
The frequency of the care depends on the usage environment.

 living room	Scene	Pre-filter	Photocatalytic filter
	General home	Once every 3 months	Once every 4 months
	With pets	Once every 2 month	Once every 2 months
	Large family	Once every 3 months	Once every 3 months
 kitchen / dinning	Scene	Pre-filter	Photocatalytic filter
	General home	Once every 3 months	Once every 4 months
	Using grill / deodorizing food smell	Once every 2 month	Once every 2 months
	Deodorizing after meal	Once every 3 months	Once every 3 months
 entrance	Scene	Pre-filter	Photocatalytic filter
	General home	Once every 3 month	Once every 4 months
	Large family / many traffic	Once every 3 month	Once every 4 months
	Many visitors	Once every 3 month	Once every 3 months
 bedroom	Scene	Pre-filter	Photocatalytic filter
	General home	Once every 3 months	Once every 3 months
	With pets	Once every 2 month	Once every 2 months
	Family members with care	Once every 2 month	Once every 2 months

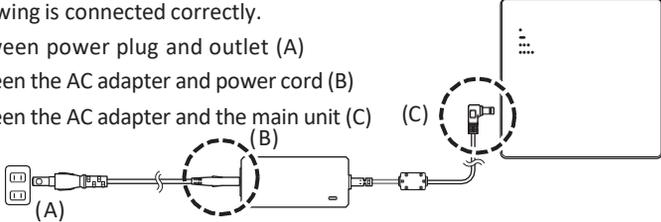
 The fan stops automatically when foreign objects enters the fan.

■ How to reset the shutdown when the fan stops automatically.



Trouble Shooting

■ Power does not turn on / does not work

Please check	Measures
Is power plug inserted into the outlet correctly?	Make sure the following is connected correctly. <ul style="list-style-type: none"> • Connection between power plug and outlet (A) • Connection between the AC adapter and power cord (B) • Connection between the AC adapter and the main unit (C) 
Is the lamp of the AC adapter ON? (→Page7)	Reconnect the AC adapter and power cord, power plug and outlet. Please contact your distributor.
Is your area during power outage?	Please wait for electricity supply to resume.
Is the electrical circuit breaker at the location turned ON?	Turn back on the electrical circuit breaker.

■ Regarding operation lights and operation

In below cases	Please check	Measures
No lamps are ON except Power light	Is the light display turned off?	Press the light display button and check the lights.
Beeping and the Power lamp flashing	Is the photocatalyst filter properly set?	Check if the photocatalyst filter is set correctly.
No air flow. Air flow does not change despite adjusting volume. Air volume is weaker than purchase	Is the pre-filter dirty? Is the air volume set to a mode other than "Auto"?	Depending on the degree of filth, the air volume may be affected. Clean the pre-filter. (→Page11) ●Please confirm "How to use".(→Page9) ●Press the "Air volume" button and check that the operation mode can be changed.
The "air volume" changed without adjustment	Check the current air volume mode.	During automatic mode, when the odor is detected, the air volume changes automatically. Please refer to "How to use". (→Page9)
The odor sensor does not turn green	Are the windows and doors in your room open?	In rooms with low airtightness, it may be difficult to return to green due to external odors and changes in temperature.
The odor sensor switches frequently		It may respond to opening and closing doors and windows, and human movement. When it switches frequently, adjust the sensor sensitivity. (→Page8)
The odor sensor does not change color		When the odor sensor does not change from green, the air is clean. When the color of the sensor does not change even if you feel the odor, adjust the sensor sensitivity. (→Page8)

Trouble Shooting (Continue)

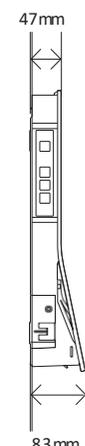
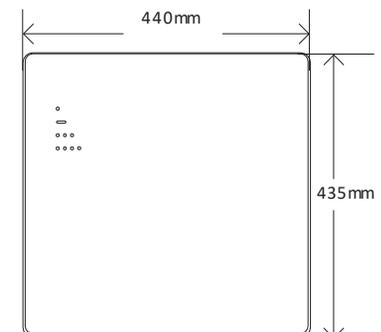
■ Room odor cannot be reduced significantly / Odor comes from air outlet

Please check	Measures
Did you cause strong odors in your room, such as using grill or smoking?	If strong odor occurs, it takes time to reduce. Turn on the appliance for a short period will gradually reduce odor. In rooms with a large amount of smoking, the odor of cigarettes cannot be reduced significantly.
Is the sensor sensitivity "Low" or the air volume "silent" or "Low"?	<ul style="list-style-type: none"> When the air volume is switched to "High", the deodorization function becomes "High" regardless of the sensor sensitivity. Switching the sensor sensitivity to "High" increases the sensitivity for the odor and improves the deodorizing effect. <p>< CAUTION > The sensor sensitivity is valid only when the air volume is set to "Auto". When the air volume is set to "High", "Low", or "Silent", the unit operates at the preset air volume regardless of the sensor sensitivity.</p>
Odor components such as pet odor, building material odors are being constantly generated. They cannot be completely reduced significantly.	Since odors that are constantly generated cannot be reduced significantly, the appliance may be used in conjunction with natural room ventilation.
Long-term usage may reduce the deodorizing effect.	<ul style="list-style-type: none"> When you feel that the deodorizing effect has weakened, please clean the photocatalyst filter. (→Page12)

Specifications

Product name / Model number	TURNED  KL-W01 Photocatalyst Air Purifier Wall Type		
Method	Photocatalytic filter		
AC adapter	Rated input : AC100V~240V 50-60Hz Shared Rated output : DC24V		
Applicable space volume (approx.) ^{※1}	approx. 25m ³ (279ft ³)/60min.		
Air volume mode	High	Low	Silent
Power consumption	40W	35W	33W
Operating noise	44dB	39dB	20dB
Standby power consumption	approx. 0.7W		
External dimensions	(W) 440mm × (H)435mm × (D)83mm		
Weight	3.0 kg		
Power cord length	approx. 3.5m (AC adapter approx. 2m+ Power cord length approx. 1.5m)		
Optional Accessories	specialized body unit stand for the use of main unit and pollen filter		

● Dimension Drawing (mm)



※1 According to generally accepted standard, when the appliance is used for the applicable floor area it can reduce odor to comfortable level in about 30 minutes. (Depending on the environment)



Kaltech Corporation
3-3-7 Bakuromachi, Chuo-Ku, Osaka 541-0059, Japan

W01-tr ver.1.3
EN_KL-W01_User manual_E_V1.3_2309