



Air Purifier

AP-C110

Instruction Manual

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Safety Precautions **Make sure you observe these safety precautions.**

Important information is printed on the product and in this instruction manual in order to prevent damage to property or prevent harm to the user or other people. Make sure you fully understand the following content (display/graphic symbols) before reading this text. If you ignore these precautions, it may cause serious injury by fire or electric shock. In order to avoid accidents, make sure you observe the following.

Symbols and Signs Used in This Manual



Warning

This indicates that it may cause death or serious injury.



Caution

This indicates that it may cause minor injury or property loss.



Prohibited

This indicates prohibited matters.



Required

This indicates compulsory matters to be followed.



Warning



Prohibited

- ⚠ **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.**
- ⚠ **Do not touch the power plug with wet hands.**
It may cause electric shock.
- ⚠ **Do not damage the power cord.**
Damaging the power cord may lead to shortage or broken wires and cause electric shock or fire.
Follow the items below regarding the power cord.
 - Do not manipulate or damage the power cord.
 - Do not forcibly bend, pull, twist, or bundle the power cord or put heavy loads on the power cord.
 - Do not place the power cord close to a heater.
 - Do not heat the power cord.
 - Do not remove the power plug by pulling the power cord.
 - Do not pull the power cord when carrying.
- ⚠ **Do not use this unit with an AC adapter other than the one attached to this unit.**
It may cause a malfunction to the unit, fire, or electric shock.
- ⚠ **Do not use the unit in a way that exceeds the rating of the wall outlet or wiring devices.**
If you exceed the power rating by using multiple connections or the like, it may cause fire.
- ⚠ **Do not disassemble, reform, or repair the unit by yourself.**
It may cause fire, electric shock, or injury.
For repairs, please consult a dealer or your nearest customer service center.
- ⚠ **Do not use the unit in the following locations:**
 - In areas with flammable gas or places with metal dust
 - It may lead to the gas catching on fire, igniting, or fuming due to dust being sucked into the unit.
 - In bathrooms or other wet areas, or areas with high-temperature and humidity
 - It may lead to fire or electric shock due to voltage leakage.
 - In areas with oil components such as machine oil or cooking oil
 - It may lead to electric shock or injury due to the unit cracking and exposing the power area or fan area.
 - In locations where the unit is within reach of children
 - It may cause electric shock or injury.
- ⚠ **Do not subject the unit to moisture or water.**
It may cause fire or electric shock.
- ⚠ **Do not bring the unit near open fires such as lit cigarettes or incense.**
It may cause fire.



Required

⚡ Plug the power plug in all the way.

If it is not plugged in all the way, it may cause electric shock or fire.

- Do not use damaged power cords or power plugs, or wall outlets that are loose and do not hold the plug.

⚡ Regularly wipe dust from the power plug with a dry cloth.

If dust builds up, it can lead to insulation failure from humidity, etc. and may cause fire.

- When not in use for a long period of time, remove the power plug from the outlet.

⚡ During cleaning, inspection, and moving, make sure to stop operation and unplug the power plug.

Leaving the power plug in the outlet may cause electric shock or injury.

⚡ In case of an abnormality or malfunction, immediately stop its operation and unplug the power plug.

If you continue operations during a malfunction, it may lead to breakdown, electric shock, fuming, or fire.

<Examples of Malfunction or Breakdown>

- After the filter is replaced, the unit does not start even after pressing the power button.
- Electric current is sporadic when moving the cord.
- It vibrates or makes an unusual sound during operations.
- The unit, power plug, or cord is abnormally hot.
- It smells like something is burning.

⚡ Make sure that pets do not urinate on the unit or bite the power cord.

It may lead to electric shock or a fire.

If one of the above situations occur, please consult a dealer or your nearest customer service center.



Caution



Prohibited

⚡ Do not sit or stand on the unit.

Falling down from the unit or toppling may cause injury or malfunction.

⚡ Do not put the unit in unstable locations.

If the unit falls over, it may cause an electric shock and lead to injury or damage.

⚡ Do not block the air inlet or air outlet with objects such as laundry, cloth, curtains, etc.

Poor air circulation may lead to overheating or fire.

⚡ After maintenance, wipe off the water thoroughly and dry the unit. Do not use it when wet.

It may lead to electric shock or injury.

⚡ Do not use chlorinated or acid detergents for cleaning.

The detergent may produce toxic gas that is harmful to your health.

⚡ Do not wipe the unit with benzene or thinner or spray with insecticide.

It may lead to cracks, electric shock, or fire.

⚡ Do not operate the unit when fumigating for pests.

It may cause accumulated pharmaceutical ingredients to emit when using the unit later, which is harmful to your health.

⚡ Do not put your fingers or rod-shaped objects into the air inlet or outlet.

It may lead to electric shock, damage, or injury.



Required

⚡ When moving the unit, grab the bottom of the unit and lift it up to carry.

It may cause the top cover to be removed from the unit and the unit may fall down and become damaged.

⚡ Periodically open windows to ventilate the room when using the unit with a combustion appliance at the same time.

This unit does not have a function to eliminate carbon monoxide.

If air ventilation is insufficient, it may lead to carbon monoxide poisoning.

Operating Precautions

◀ Install the filter properly.

Remove the packing material of the filter before use.

◀ Do not block the air inlet or air outlet.

It may reduce the cleaning capability of the unit causing clean air not to circulate throughout the entire room. This may cause a malfunction.

◀ Do not operate the unit without installing the filter.

There is no cleaning effect and doing so may cause a malfunction.

◀ Do not use the unit in place of a ventilating fan in the kitchen.

This may remarkably lower the lifespan of the filter or lead to the unit becoming deformed.

◀ Do not place the unit in direct sunlight or directly in the path of the air conditioner or heater's airflow.

It may cause deformation, discoloration, or malfunction of the unit.

◀ Do not use the unit near a TV or radio.

It may cause distortion of video images or noise. (Place the unit at least 1m away from a TV or radio. Also, using the same wall outlet as these devices may cause distortion of video image or noise. If this occurs, plug it into a different outlet.)

◀ Do not place the unit in the same location for a long period of time.

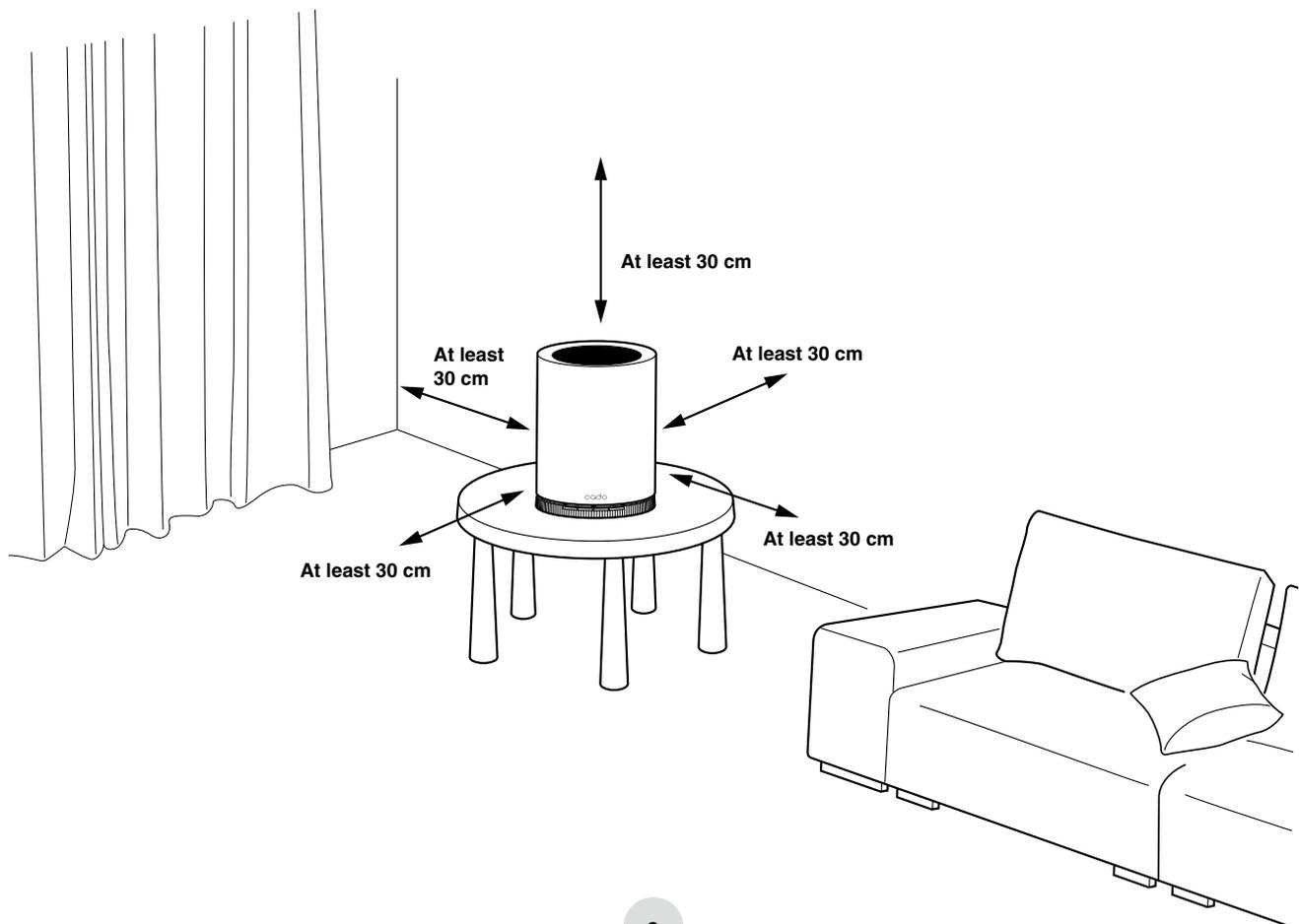
Using the unit in the same location for a long period of time may make the wall or floor around the unit dirty. It is recommended to move the location of the unit regularly.

◀ Do not leave the unit directly on wooden furniture, expensive furniture, etc. for a long time.

If the unit is left on the same place for a long time, the rubber foot on the bottom of the unit may leave depression on the installation surface. Change the location for placing the unit or use the anti-scratch patch for furniture (offered commercially), etc.

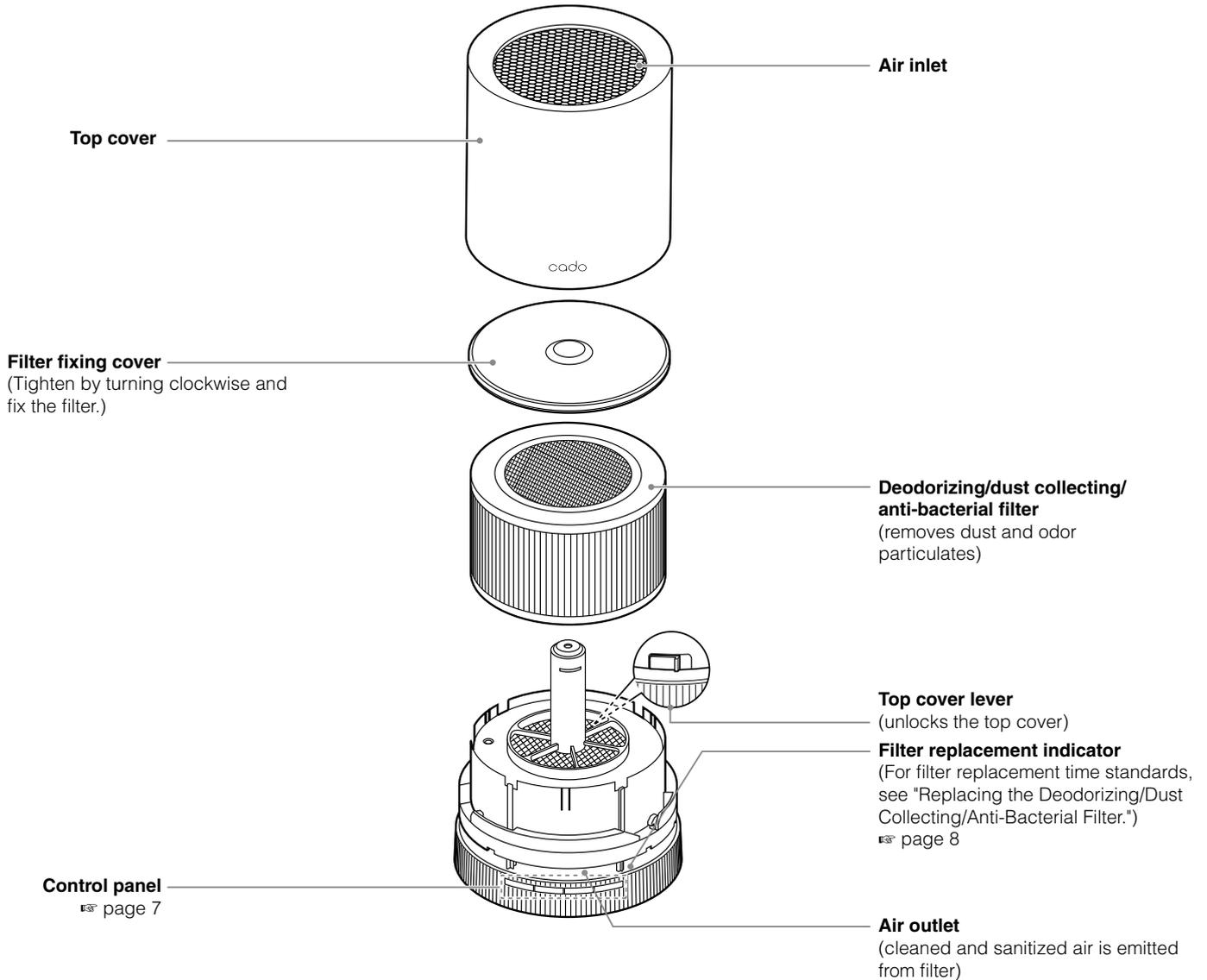
Installing the Unit

Place the unit on a flat surface. Also, for good air circulation, make sure that at least 30 cm of space is around the unit with nothing placed around it.



Parts and Functions

The Unit

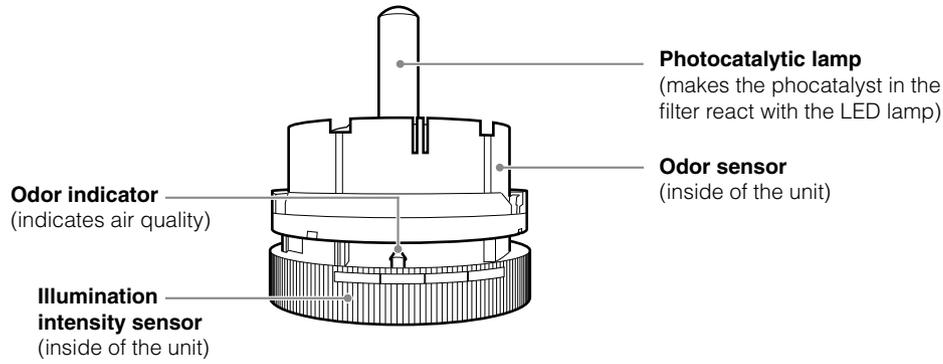


About air cleaning function

This unit is not designed to eliminate all pollutants in the air. (For example, it does not eliminate carbon monoxide from cigarette smoke.)

Also, this product does not have the functions of a ventilating fan. When using in a closed room, open a window to air out the room occasionally.

Sensor and Indicator/Lamp



Photocatalytic Lamp

The blue activated carbon in the deodorizing/dust collecting/anti-bacterial filter does not use the conventional ultraviolet ray reaction type, but instead uses a new type of photocatalytic technology that reacts with visible light.

The lamp in the product uses a long life blue LED, and does not have any effects on eyes or the human body in the way ultraviolet rays do, but since the light is strong, when performing maintenance such as removing the filter to replace it, unplug the power plug and avoid looking directly into the light.

Odor indicator

The odor sensor detects pollutants in the air and indicates the air environment in the room with the colors blue, yellow, and red.

Odor monitor	Air environment of room
Blue	Clean
Yellow	Slightly polluted
Red	Polluted

Odor Sensor

	Detected objects
Odor sensor	Detects cigarette, pet, and cosmetic odors.
The odor sensor is placed inside the unit.	

Note

- The odor sensor may react to changes in temperature and humidity.
- The odor sensor may not react depending on the odor components.
- For the first five minutes after turning the power on, the sensors are initializing and the unit cannot indicate the exact air condition. Wait for a while and see whether the odor indicator changes to a different color.

Illumination Intensity Sensor

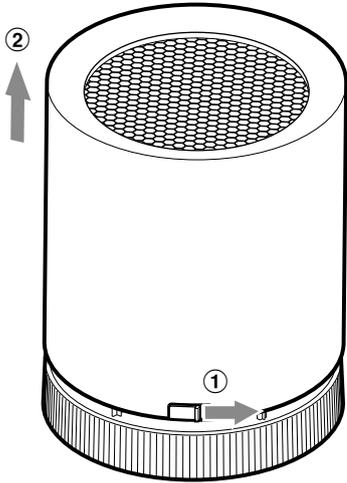
Detects ambient brightness. The glowing indicators dim when surroundings become dark. They increase brightness when surroundings become bright.

Installing the Deodorizing/Dust Collecting/ Anti-Bacterial Filter

Before using the unit for the first time, remove the packing material from the filter. Make sure to turn off the unit before starting the following steps.

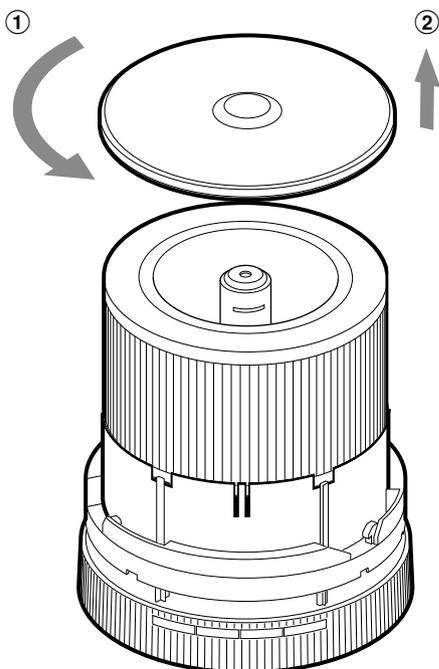
1 Remove the top cover.

Slide the top cover lever towards the arrow direction ① then lift it up ②.



2 Remove the filter fixing cover.

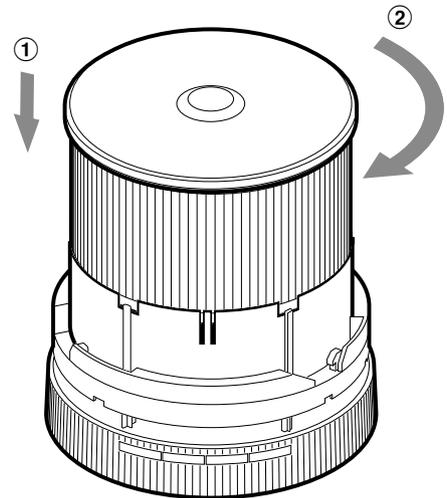
Turn the filter fixing cover counterclockwise ① then lift it up ②.



3 Take out the filter and remove the packaging material.

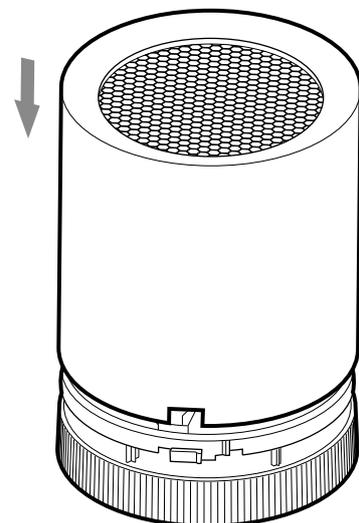
4 Fix the filter.

Reinstall the filter (without the packaging material). Cover the filter with the filter fixing cover ① and rotate it clockwise ②.



5 Install the top cover.

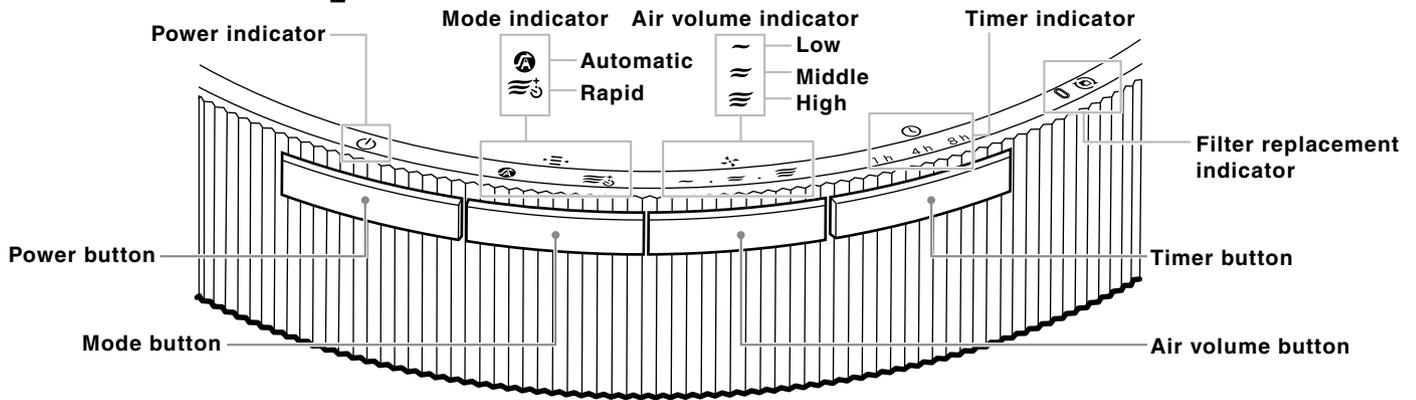
Positioning the slit of the top cover to the top cover lever, move the top cover down horizontally until the top cover is locked.



Note

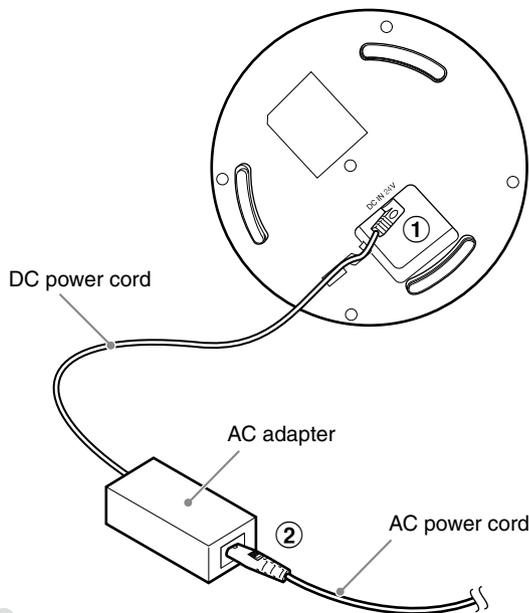
If you cannot fix the top cover correctly, check if the slit of the top cover and top cover lever position are in the same position.

How to Operate



Preparing the Power Source

- 1 Connect the DC power cord of the AC adapter (supplied) to the DC IN 24 connector properly ① and connect the AC power cord to the AC adapter ②.



Note

The AC adapter (supplied) is only for this unit. Do not connect to the other appliances.

- 2 Plug the power plug into the wall outlet.
All the indicators flicker then turn off.

Starting the Unit

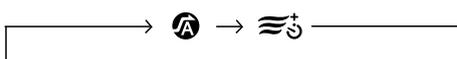
Press the power button (⏻).

The power indicator, automatic indicator and odor indicator will light up.
If the power button is pressed while the unit is still operating, the lit indicators will turn off and then the unit will stop operating.

Selecting the Operation Mode

Press the mode button (⏻).

The operation mode and air volume cannot be set simultaneously.
Each time the mode button is pressed, it makes a beeping sound and the operation mode changes.
The indicator of the selected mode will light up.



About operation mode

- Auto-matic** (A) Normally use this mode. The room condition is detected with the odor sensor, and the air volume setting switched between low, middle, and high.
- Rapid** (R) Use this mode if you want to quickly clean the air. The unit operates with an air volume stronger than the high air volume setting for 2 hours, then changes to automatic mode.

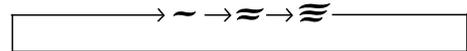
Changing the Air Volume

Press the air volume button (⏻).

Air volume and operation mode cannot be configured simultaneously.

Each time the air volume button is pressed, it makes a beeping sound and the air volume mode changes.

The indicator of the selected air volume will light up.



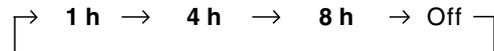
Operation continues with the selected air volume.

Selecting the Operation Time

Press the timer button (⏻).

Each time the timer button is pressed, it makes a beeping sound and the time setting changes.

The indicator of the selected timer will light up.



If the timer is set to off, the timer setting will be cancelled, and the timer indicator will turn off.

Maintenance

Notes when Cleaning

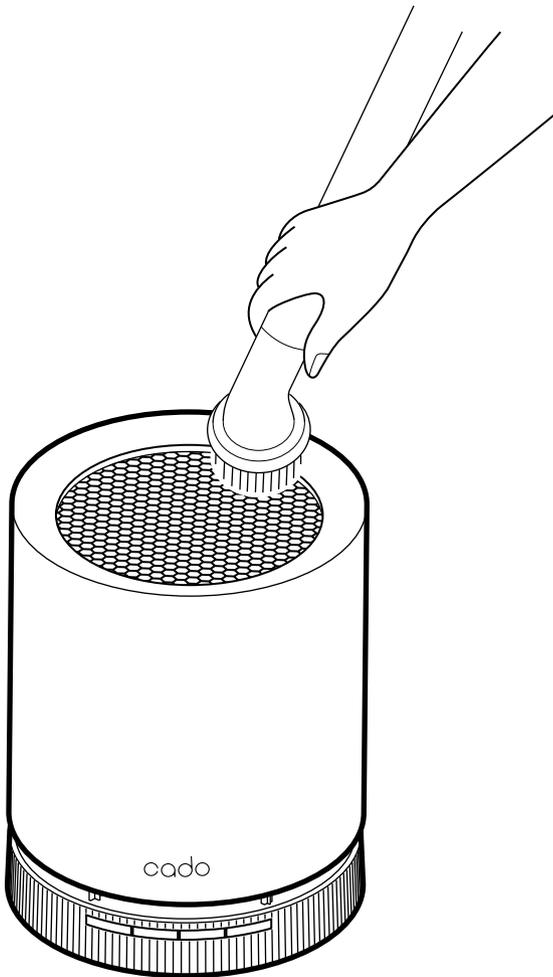
- Before cleaning, make sure to remove the power cord from the wall outlet.
- When wiping the unit, always use a soft cloth or cotton swab. Using a stiff brush or something similar may scratch or damage the unit.
- When using detergent, always use a neutral detergent. Using any other detergent may cause damage or warp the unit.

The Unit

Clean the unit and the air inlet and air outlet periodically.

- 1 Wipe dust from the unit with a soft cloth.**
- 2 Remove dust from the air inlet and air outlet with a vacuum cleaner or use a soft cloth to wipe it off.**

When it is extremely dirty, use a cloth with watered-down neutral detergent on it and wipe the filth off.



Deodorizing/Dust Collecting/ Anti-Bacterial Filter

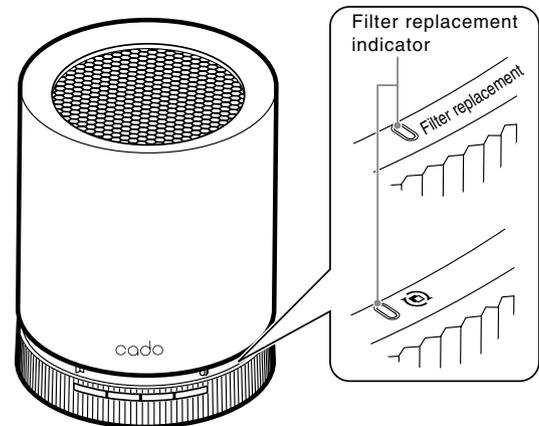
Remove the dust from the net of the side surface of the filter. On how to remove the filter, see “Replacing the Deodorizing/Dust Collecting/Anti-Bacterial Filter” (☞ Page 8).

Replacing the Deodorizing/Dust Collecting/Anti-Bacterial Filter

The deodorizing/dust collecting/anti-bacterial filter cannot be washed with water. Replace it regularly.

Replace the deodorizing/dust collecting/anti-bacterial filter with a new one periodically (typically every six months*¹ depending on usage. ☞ “*1” on page 10). If it is necessary to replace the filter, the filter replacement indicator lights up.

* JEMA (Japanese Electrical Manufacturers' Association) regulation.



- 1 Unplug the power plug from the wall outlet.**
- 2 Remove the top cover and filter fixing cover.**
See steps 1-2 in “Installing the Deodorizing/Dust Collecting/Anti-Bacterial Filter” (☞ Page 6).
- 3 Remove the old filter.**
- 4 Install the new filter.**
Remove the packing materials from the new filter then install it into the unit. Attach the top cover on the unit to fix them. See steps 4-5 in “Installing the Deodorizing/Dust Collecting/Anti-Bacterial Filter” (☞ Page 6).
- 5 Reset the filter replacement indicator.**
The filter replacement indicator will not turn off even after the filter has been replaced. Press and hold the timer button for about 5 seconds (the filter replacement indicator flashes) and press the timer button again (the filter replacement indicator turns off).

Note

Even when the filter is replaced before the filter replacement indicator turns on, the indicator will be reset if the operation above is performed.

When purchasing replacement deodorizing/dust collecting/anti-bacterial filters (sold separately), please refer to the model number in “Accessories” (☞ page 10) and consult your dealer.

Troubleshooting

Situation	Points to check and how to handle	Reference pages
<p>There is no air volume. The air volume is too weak.</p>	<p>Is the power cord plugged into the wall outlet correctly? → Plug the power cord into the wall outlet.</p>	7
	<p>Did you remove the packing material from the deodorizing/dust collecting/anti-bacterial filter before you installed it? → Remove the packing material from the deodorizing/dust collecting/anti-bacterial filter and install it in the unit properly.</p>	6
	<p>Is the air inlet/air outlet, dirty? → Clean the unit and remove dirt from the air inlet/air outlet on the unit. If the performance does not improve even after cleaning, replace the deodorizing/dust collecting/anti-bacterial filter with a new one.</p>	8
<p>The odor indicator remains red even though the air is not dirty.</p>	<p>The odor sensor may react to changes in temperature and humidity or gas from sprays and the like. → Wait a few minutes and make sure the odor indicator changes to yellow or blue.</p>	5
<p>The odor indicator remains blue even though the air is dirty.</p>	<p>Is the unit placed in a location with bad air circulation, such as in an area completely surrounded by something? → Make sure the unit is located at least 30 cm away from walls, furniture, curtains, etc. on both sides, the front, back, and above.</p>	3
	<p>Have five minutes already elapsed after turning on the unit? → For the first five minutes after turning the power on, the sensors are initializing and the unit cannot indicate the exact air condition. Wait a few minutes and make sure the odor indicator changes to a different color.</p>	8
<p>The air purifying effect was not achieved.</p>	<p>Is the unit placed in a location with bad air circulation such as in an area completely surrounded by something? → Make sure unit is located at least 30 cm away from walls, furniture, curtains, etc. on both sides, the front, back, and above.</p>	3
	<p>Is the air inlet/air outlet dirty? → Clean the unit and remove dirt from the air inlet and air outlet in the unit. If the performance does not improve even after cleaning, replace the deodorizing/dust collecting/anti-bacterial filter with a new one.</p>	8
<p>The color of the odor indicator changed, but the air volume does not change.</p>	<p>Are you using a mode other than automatic mode? → In operation modes other than automatic mode, the air volume does not change in accordance with the indications of the odor indicator.</p>	7

Situation	Points to check and How to handle	Reference pages
The operation does not stop even though the air is clean.	The unit will continue to operate with a low air volume even if the room is clean.	-
The unit smell is unpleasant.	<p>Is the air inlet/air outlet dirty? → Clean the unit and remove dirt from the air inlet and air outlet in the unit. If the performance does not improve even after cleaning, replace the deodorizing/dust collecting/anti-bacterial filter with a new one.</p> <p>Are you using the unit in a room with strong odor? → Using the unit in a room with strong odor such as cigarette smoke or after a barbecue for a long period of time may require more frequent replacement of the deodorizing/dust collecting/anti-bacterial filter. When using in such an environment, it is recommended to regularly air out the room.</p>	8 1

Specifications

Model name	AP-C110			
Power	DC 24V (AC adapter 220-240V 50-60Hz)			
Applicable floor area (m ²)	20* ¹			
Air volume/Operation mode	Low	Middle	High	Rapid (2 hours)
Current consumption (A)	0.16	0.3	0.45	1.45
Air volume (m ³ /h)	17	60	83	160
Operational noise (dBA)	30	42	49	61
Dimensions (mm)	Width 242 × Depth 242 × Height 308 (including protrusions)			
Weight (kg)	3.5 (including filter)			
Power cord length (m)	AC power cord: 0.7 DC power cord: 1.7			
Accessories	Instruction manual, warranty card, AC adapter, deodorizing/dust collecting/anti-bacterial filter* ² , Filter Start Date label			
	* ² Model name	For AP-C100 series		
	Dimensions (mm)	Ø200×120		

*1: Calculated based on the test method of the JEM1467 in the Standards of the Japan Electrical Manufacturers' Association. Standard when operating on rapid mode.

● Design and specifications are subject to change without notice.

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