



 **Important: Read and save these instructions.**

**FLOOR STANDING OR
DESKTOP TYPE**

- Thank you for purchasing this air purifier.
- Please read the operation manual carefully and follow it for correct use.
- Please read the “Safety Precautions” section before use.
- Please keep the operation manual in a safe place for later reference.
- For FCC compliance information, please see the last page of this manual.

MODEL

MCB50YSAU



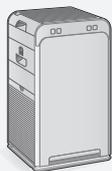
* Learn more about the 5 Year Unit Replacement Limited Warranty at www.daikinpureair.com



The two-dimensional bar code is a manufacturing code. It is not a customer bar code.

Contents

Read First



Safety Precautions	3
Names of Parts and Operations	7
Preparation Before Operation	10

Operation

Using Air purifying Operation	12
(AUTO UV/Hand-operated UV)	
Changing the Airflow Rate	12

Useful Functions

LOCK Function	13
Adjusting Indicator Lamp Brightness	13
Operating MODEs	13
AUTO FAN/ECONO/WAVE	

Advanced Settings

Dust/Particle Sensor Sensitivity Setting	15
Monitoring mode within ECONO MODE	15
Airflow rate range for AUTO FAN	15

Maintenance

Maintenance	17
When Not Using the Unit for a Prolonged Period	19

Troubleshooting

About the Indicator Lamps	20
FAQs	21
Troubleshooting	22
Specifications	25
Replacement Parts	25
FCC COMPLIANCE INFORMATION	27

Safety Precautions

- Observe these precautions in order to prevent property damage or injury.
- The consequences of incorrect use are categorized as follows:

 WARNING	 CAUTION	 DANGER
Failure to follow these instructions properly may result in personal injury or loss of life.	Failure to follow these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

- Precautions to be observed are categorized using symbols:

 Never attempt.	 Be sure to follow the instructions.
--	---

 **WARNING** Observe in order to prevent fire, electric shock or severe injury.

- Concerning the power supply plug and cord

-  • **Do not unplug while the unit is in operation.** (Fire due to overheating or electric shock may result)
 - **Do not plug in or unplug with wet hands.** (An electric shock may result)
 - **Use only a 120 V power supply.** (Other power supplies may lead to fire or electric shock.)
(Fire may result from overheating if the ratings of multi-socket power adapters, etc., are exceeded)
 - **Do not pull on the power supply cord when unplugging.** (Overheating or fire may result from wire breakage.)
 - **Do not connect or disconnect the power plug to turn the unit ON / OFF.** (Abusive handling may lead to electric shock or fire because of overheating.)
 - **Do not perform actions that might break the power supply plug and cord.**
– Such actions including damaging, modifying, forcibly bending, pulling, twisting, bundling up, placing heavy objects on the power supply plug or cord.
If the power supply plug or cord is damaged, it must be replaced by the manufacturer, its service agent, or a similar qualified person in order to avoid a hazard. (Electric shock, short circuit or fire may result from use while damage.)
 - **Do not operate this appliance with a damaged cord or plug. Discard this appliance or return to an authorized service facility for examination and/or repair.**
 - **Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.**
 - **RISK OF ELECTRIC SHOCK:**
– These servicing instructions are for use by qualified personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
-
-  • **Insert the power supply plug firmly all the way in.**
– Do not use a damaged power supply plug or a loosely fitted power socket.
(Electric shock, short circuiting or fire due to overheating may result if the power supply plug is not firmly inserted)
 - **Periodically wipe dust off the power supply plug with a dry cloth.**
– If the unit is not to be used for a prolonged period, unplug the power supply. (Fire may be caused by defective insulation resulting from dust build-up with moisture, etc.)
 - **When performing maintenance, inspecting or moving the unit, be sure to turn off & unplug the unit.** (An electric shock or injury may result)
 - **Stop operation and disconnect the power plug if detecting anything strange such as burning odors.** (Continued use of the unit in anything strange such as burning odors may lead to electric shock or fire because of overheating. Consult your dealer.)
 - **Before cleaning or relocating the unit, stop operation and disconnect the power plug from the electrical socket.** (Handling with the unit plugged in may lead to electric shock or damage.)

⚠ WARNING Observe in order to prevent fire, electric shock or severe injury.

■ **Do not use in the following places**

- ⊘ • **Places where oil or flammable gases are used or may leak.** (Fire or smoke may result from ignition or suction toward the unit, or injury may result from degradation or cracking of plastic)
- **Places where there are corrosive gases or metal dust particles.** (Fire or smoke may result from ignition or suction toward the unit)
- **Places where temperature and humidity levels are high or water may splash, such as a bathroom.** (Fire or an electric shock may result from electrical leakage)
- **Places accessible to small children.** (An electric shock or injury may result)

⚠ DANGER

- ! • **Any abnormalities in the operation of the air purifier, such as smoke or fire, could result in severe injury or death. Turn off the power and contact the place of purchase immediately.**
- **If equipment utilizing a burner is used in the same room as the air purifier, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.**
- **Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, may cause cuts or other injuries.**
- **Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.**

⚠ WARNING Observe in order to prevent fire, electric shock or severe injury.

■ **During use**

- ⊘ • **Do not use chlorinated or acidic detergents.** (Injury may result from degradation or cracking of plastic, or harm may be caused to health from the production of toxic gases)
- **Keep burning cigarettes or incense sticks away from the unit.** (Fire or smoke may result from ignition or suction toward the unit)
- **Do not attempt to disassemble, reassemble or repair the unit yourself.** (Fire, an electric shock or injury may result)
- **Do not insert fingers, sticks, or any other item, into the air inlets or air outlet.** (An electric shock, injury or damage may result)
- **Do not pour water onto the air outlet or the unit.** (Fire or an electric shock may result)
- **Do not use flammable substances (hair spray, insecticide, etc.) near the unit.**
- **Do not wipe the unit with paint thinner or other chemicals.** (An electric shock, fire or cracking may result)

■ **Immediately turn off and unplug the unit if there are any signs of abnormality and malfunction**

- ! **Examples of abnormality and malfunction**
 - The unit does not operate even if the switch is turned on.
 - Electrical cord is damaged.
 - There are abnormal sounds or vibrations during operation.
 - The casing of the unit has become deformed or is abnormally hot.
 - There is a burnt smell. (Malfunction, an electric shock, smoke, fire, etc., may result if the abnormality is not addressed and the unit continues to be used)
Contact the place of purchase.

Safety Precautions

About the deep ultraviolet (UVC) LED

This product is equipped with a deep ultraviolet (UVC) LED for sterilization. Do not operate in the following conditions.



■ **Do not operate with the carbon filter unit, dust collection filter and other components removed.**

■ **Do not operate if the unit is damaged.**

(Harm to eyes and skin due to the escape of deep ultraviolet may result)

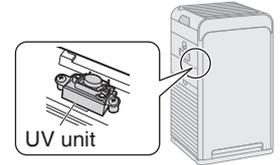
Symptoms may appear even after a very short time, especially for people who are photosensitive.

In case you feel unwell, please consult with a medical professional.

■ **Do not touch the UV unit.**

(Malfunction may result)

■ **Do not look inside the unit while it is operating.**



CAUTION Observe in order to prevent electrical leakage, injury or property damage.

■ During use



• **Small children or immobile persons (due to illness or injury) should not operate the unit by themselves.**

• 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.

– Persons who are heavily intoxicated or have taken sleep medication should not operate the unit.

(An electric shock, injury or poor health may result)

• **Do not use products that contain fine powder, such as cosmetics, near the unit.**

(An electric shock or malfunction may result)

• **Do not operate the unit when fumigating insecticide is in use.**

– After using insecticide, be sure to sufficiently ventilate the room before operating the unit.

(Harm may be caused to health from an outflow of accumulated chemical compounds from the outlet)

• **Do not use the unit near a smoke detector.**

– If the air coming out of the unit flows in the direction of the smoke detector, the response of the smoke detector may be delayed or it may fail to detect smoke.



• **Frequently ventilate the room when using the unit together with combustion-based heating devices.**

– Usage of this product is not a substitute for ventilation. (Potential cause of carbon monoxide poisoning)

This product cannot eliminate carbon monoxide.

• **If the unit is placed within reach of a pet, be careful that the pet does not urinate on the unit or chew on the power supply cord.** (Fire, an electric shock or injury may result)

■ Concerning the unit body



• **Do not block the air inlets or air outlet with laundry, cloth, curtains, etc.**

(Overheating or fire may result from poor circulation)

• **Do not climb, sit or lean on the unit.** (Injury may result from falling or toppling)

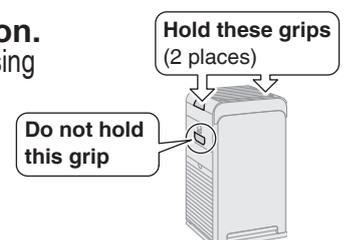
■ When moving the unit



• **When picking up the unit to move it, handle the unit with caution.**

– Be sure to always hold the unit using the correct grip locations. Do not hold the unit using the grip on the carbon filter unit. (Injury may result from the unit falling)

• **Before moving the unit, turn off the power.**



Do not use in the following places

- **Positions from where out flowing air flows directly at a wall, furniture, curtains, etc.**
(Staining or deformation may result)
- **Places exposed to direct sunlight**
(Discoloration may result)
- **Positions near combustion-based heating devices and other high temperature devices**
(Discoloration/deformation due to overheating may result)
- **Places where chemicals and pharmaceuticals are used such as hospitals, factories, laboratories, beauty salons, and photographic laboratories**
(Volatilized chemicals and solvents may degrade mechanical parts.)
- **Places with high levels of electromagnetic waves such as near an electromagnetic cooker, speakers, etc.**
The unit may not function correctly.
- **Places exposed to soot (conductive dust) released by candles, aromatic candles, etc.**
The performance of the filters may be impaired, causing the room to become dirty due to the build-up of dust that is not captured.

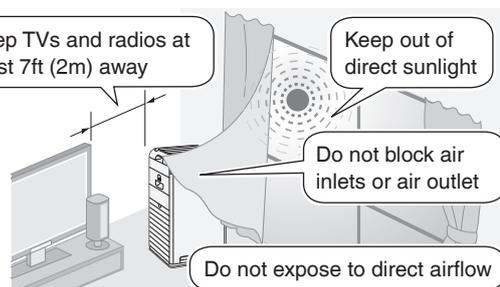
- **Do not use cosmetics etc., containing silicone* near the unit.**

* Hair care products (split ends coating agents, hair mousse, hair treatment agents etc.), cosmetics, antiperspirants, antistatic agents, waterproof sprays, lustering agents, glass cleaners, chemical wiping cloths, wax, etc.

- The dust collection filter may become clogged up, resulting in loss of air purifying capacity.

- **Do not use an ultrasonic humidifier or similar appliance near the unit.**

The dust collection filter may become clogged up, resulting in loss of air purifying capacity.

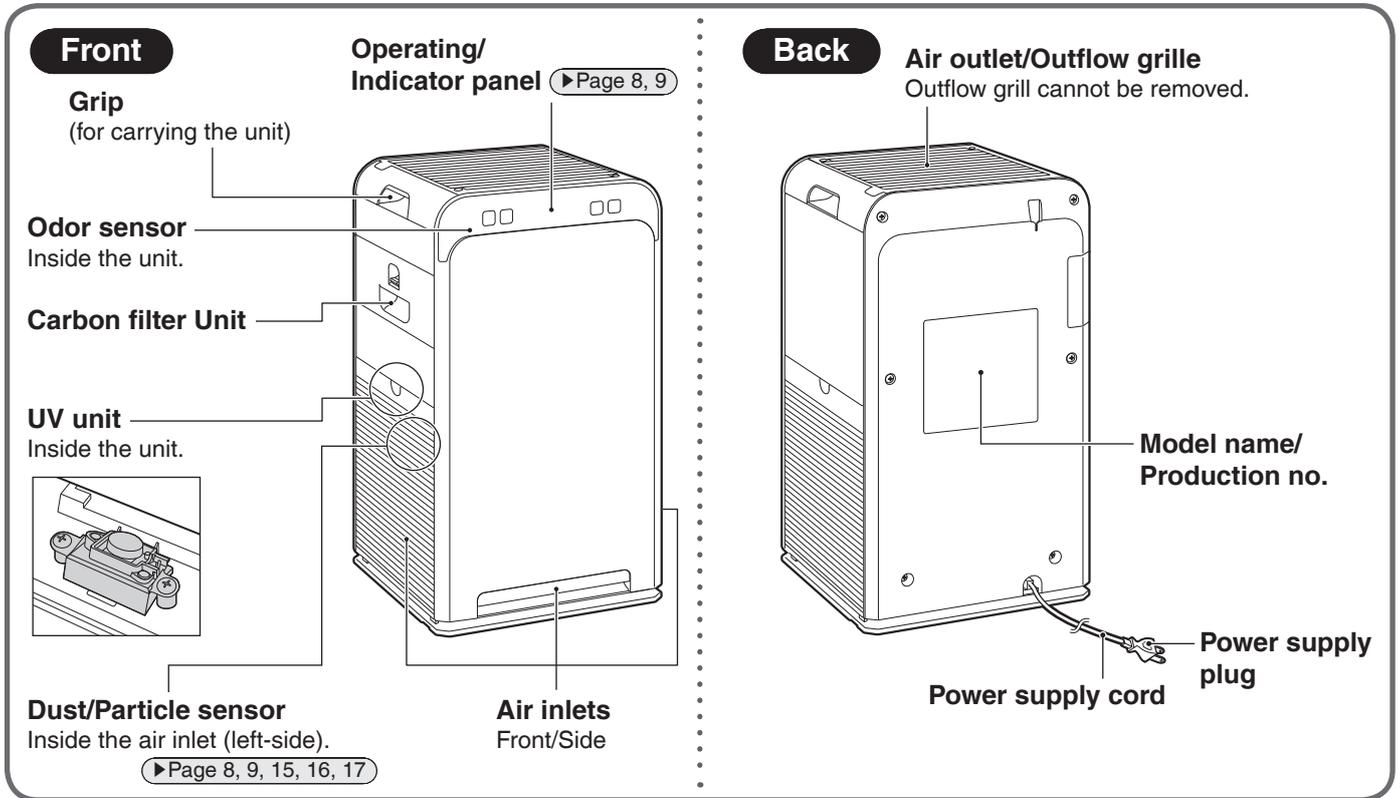


- This product cannot eliminate all of the toxic substances in tobacco smoke (carbon monoxide etc.)
- Odors cannot be completely removed if they are being constantly generated (building material odors, pet odors, etc.)
- Not all bacteria can be removed with UV.

Names of Parts and Operations

⚠ CAUTION

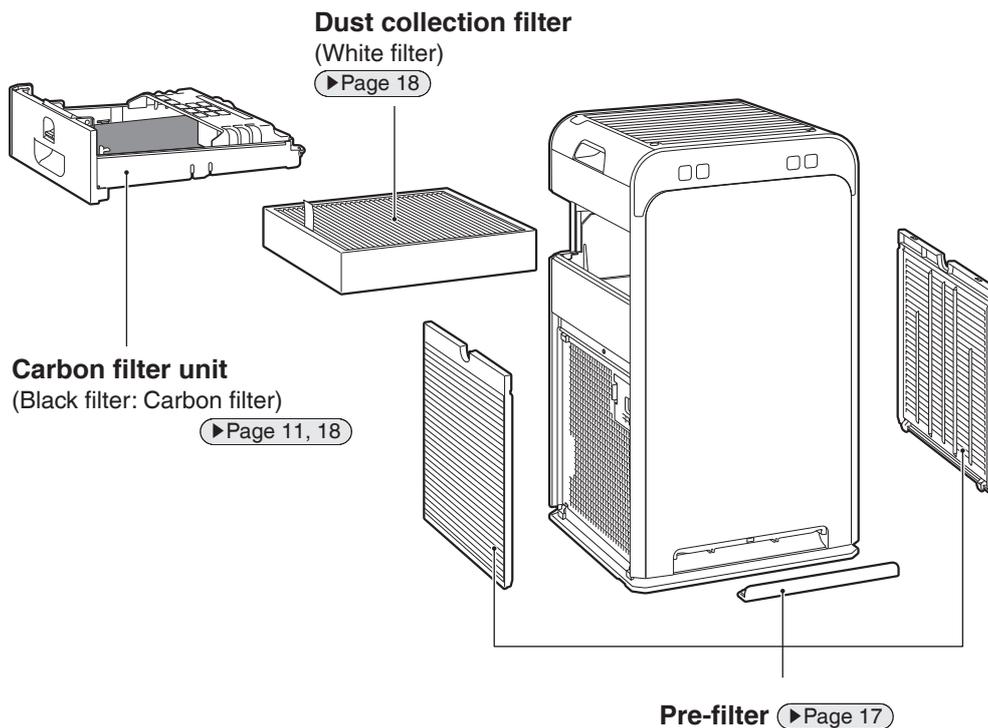
Do not lift up the unit holding the grip on the carbon filter unit. (Injury may result from the unit falling)



Main Removable Parts

Attention

To prevent injury or malfunction, be sure to only operate the unit with all parts attached.



Operating/Indicator panel

Operations and operating status will be notified by tones.

- Operation start... 2 quick beeps
- Setting change... 1 short beep
- Operation end.... 1 long beep
- Filter replacement reset...2 short beeps
- When not usable.....3 short beeps
- Notification3 long beeps

Filter replacement lamp (orange)

Lights up approx. 1 month before the dust collection filter needs to be replaced, and blinks when it is time to replace the dust collection filter.

1 LOCK function lamp (orange)

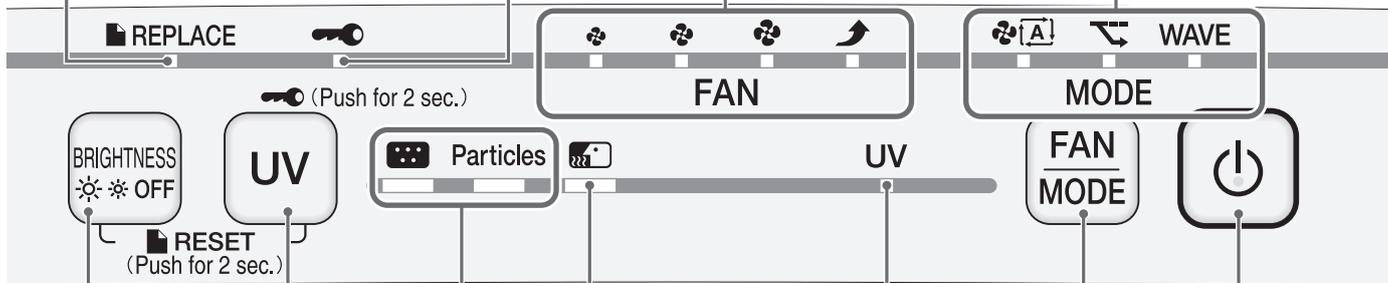
The lamp will be lit when the LOCK function is active.

FAN lamps (green)

Indicate the active FAN setting (4 levels: Quiet, Low, Standard, Turbo).

MODE lamps (green)

Indicate the MODE in operation.



BRIGHTNESS button

Each press changes the lamp that is lit, and cycles through indicator lamp brightness levels. [▶Page 13](#)

UV ON/OFF button

UV rays are emitted. [▶Page 12](#)

UV ON/OFF lamp (Blue)

Lights up when UV rays are emitted.

FAN/MODE button

Press to cycle between FAN settings and AUTO MODEs. [▶Page 12, 13](#)

ON/OFF button

Press to turn the power ON, press again to turn OFF. [▶Page 12](#)

2 Dust/Particle sensor lamp

Indicates the volume of dust in 3 colors: green, orange, red.

- Green indicates that the air is clean.

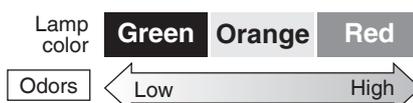


- The dust/particle sensor can detect large dust (approx. 2.5µm and above) and small particles (approx. 1.0-2.5µm). The particle lamp lights in response to small particles and the dust lamp lights in response to large dust particles.

3 Odor sensor lamp

Indicates the intensity of odors in 3 colors: green, orange, red.

- Green indicates that the air is clean.



Names of Parts and Operations

1 About the LOCK function lamp

- Lamp will be lit when the lock function is active. When lit, operations will be restricted. When buttons are pressed, three short beeps will sound. ▶Page 13

2 About the dust/particle sensor lamp

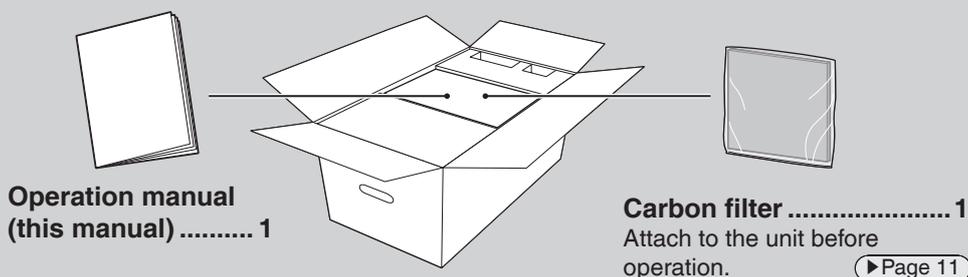
- After operation is started, the lamp will light green for the first minute (approx.) regardless of air impurity level.
- The responsiveness of the dust/particle sensor may be poor when airflow rate is high such as “Turbo”. This is not a malfunction because the airflow rate is strong and the dust is sucked into the air inlet before it reaches the dust/particle sensor.
- If the responsiveness of the dust/particle sensor is poor, change the sensitivity setting of the sensor. ▶Page 15, 16

3 About the odor sensor lamp

- If operation is started immediately after the power supply plug is inserted, the lamp will light green for the first minute (approx.).
- If odor intensity levels are unchanging, the sensor may not respond even if there is a strong odor in the air.
- The following types of odors may not be detected: pet odors that do not include ammonia, garlic odors, etc.
- As odor perception varies by person, in some cases an odor may be sensed even when the lamp is green. If the odor bothers you, switch to manual airflow rate, and select a high airflow rate. ▶Page 12

The sensitivity of the odor sensor will be determined by odor levels in the first minute after the power supply plug is inserted. Insert the power supply plug when the air is clean (odor-free).

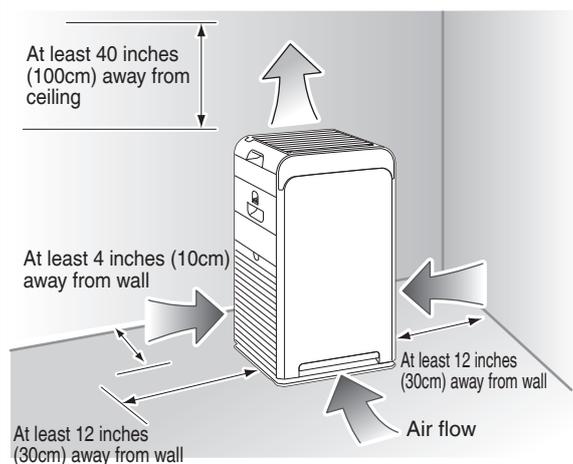
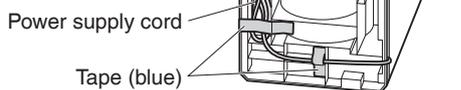
Accessories



Preparation Before Operation

1 Positioning the unit in the room

Before setting up, remove the tape on the bottom which is securing the power supply cord, then take out the power supply cord.



Pointers for good positioning

- Choose a position from where airflow can reach all areas of the room.
- Place on a stable surface. If the unit is placed on an unstable surface, vibrations from the unit may be amplified.
- If interference from the power circuit inside the unit or cables causes disturbance of TV screen images or the emission of static noise from nearby radios or stereos, move the unit to at least 7ft (2m) away from the device.
Keep cordless phones and radio-controlled clocks away from the unit also.

Attention

- To avoid staining of walls, position the unit in accordance with the positioning measurements in the illustration. However, note that since this unit draws in dirty air, certain types of wall may become stained even if the measurements are adhered to. In such cases, be sure to maintain sufficient distance between the unit and the wall.
- When used for a prolonged period in the same location, the base of the unit and the floor and surrounding walls may become stained as air is drawn into air inlets near the base of the unit. Periodic cleaning is recommended.

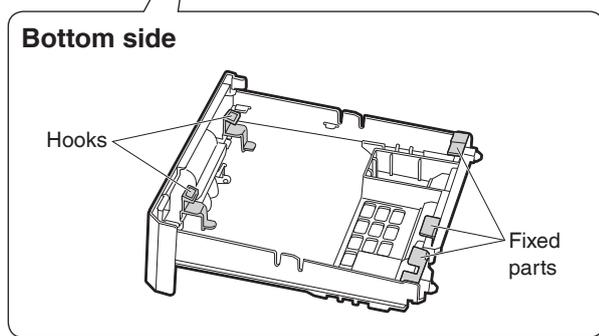
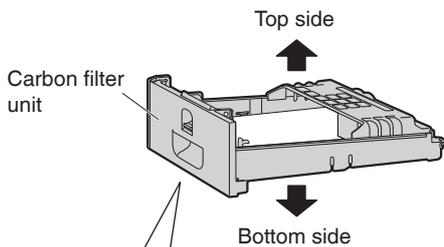
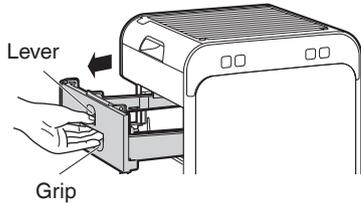
Be sure to stop the operation and remove the power supply plug before installation. (Electric shock or injury may result)

Preparation Before Operation

2 Attaching the carbon filter

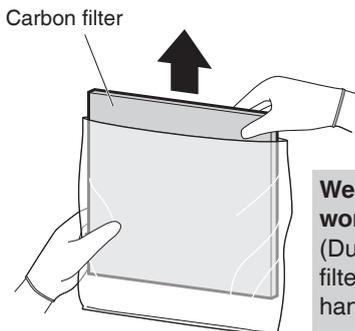
1. Remove the carbon filter unit from the main unit.

Hold the lever of the carbon filter unit and the grip, and pull it out.



2. Remove the carbon filter from the bag.

- The carbon filter has no front or back.

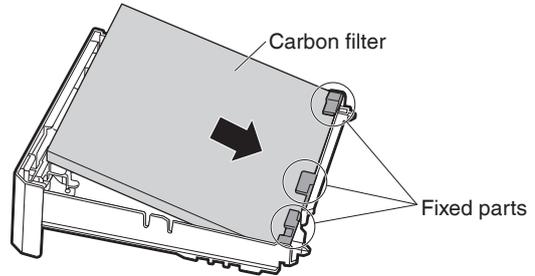


Wear gloves when working.
(Dust from the carbon filter may make your hands dirty.)

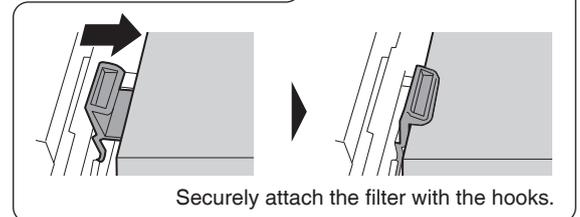
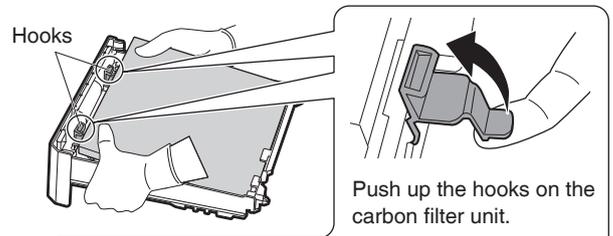
- Observe local waste separation rules when disposing of the carbon filter bag and desiccant.

3. Turn the carbon filter unit over and attach the carbon filter.

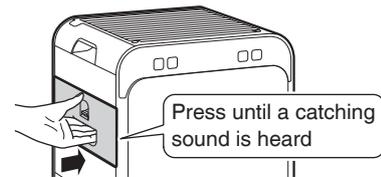
- Set the carbon filter under the fixed parts (3 places).



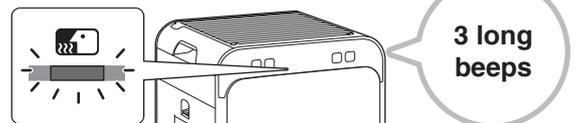
- While pushing the hooks up, set the carbon filter under the 2 hooks.



4. Install the carbon filter unit into the main unit.



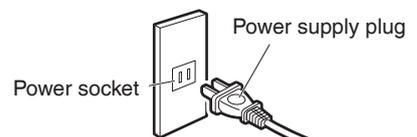
- When starting operation, if a notification tone sounds and the odor sensor lamp blinks, the carbon filter unit and the carbon filter are not properly installed. Re-install the carbon filter unit and the carbon filter.



3 Insert the power supply plug into the power socket

- The basic sensitivity of the odor sensor will be determined by odor levels in the first 1 minute (approx.) after the power supply plug is inserted every time.

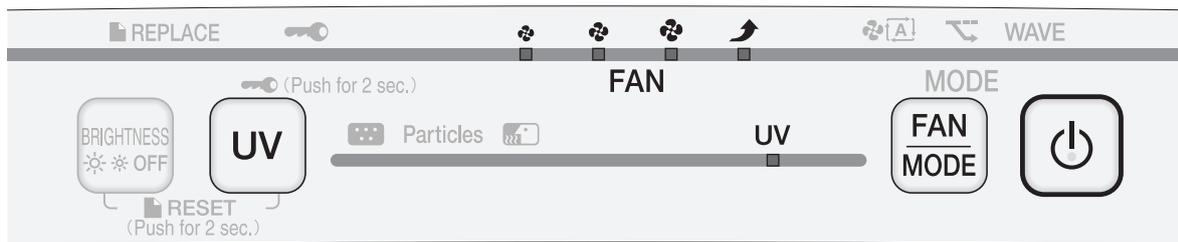
Insert the power supply plug when the air is clean (odor-free).



Operation

⚠ WARNING

- Do not turn off the unit by removing the power supply plug during operation. (Fire due to overheating or electric shock may result)
- Do not operate with the carbon filter unit, dust collection filter and other components removed. (Deep ultraviolet leakage may harm your eyes and skin)



Using Air purifying Operation (turning operation ON/OFF)

Purifies the air in the room.

Press .

- Press again to turn OFF.

Attention

Do not move the unit, or attach or remove components to/from the unit while it is in operation. Breakage or malfunction may result.

AUTO UV

UV rays are emitted automatically.

- When the operation is turned ON, the dust collection filter inside the unit is exposed to UV rays (approx. 60 minutes). If you continue the operation, the UV emission (approx. 60 minutes) will be repeated approx. every 180 minutes after the end of the UV emission.
- UV ON/OFF lamp (blue) lights up when UV rays are emitted.

Hand-operated UV

UV rays are emitted manually.

Press .

- UV rays are emitted (for about 60 minutes).
- UV ON/OFF lamp (blue) lights up during emission of UV rays.
- If is pressed during the emission of UV rays, the emission of UV rays stops and the UV ON/OFF lamp is turned off. The UV emission is repeated (approx. 60 minutes) every 180 minutes (approx.) after the UV emission is stopped. (Return to AUTO UV.)
- UV emission cannot be performed while the operation is stopped.

Note

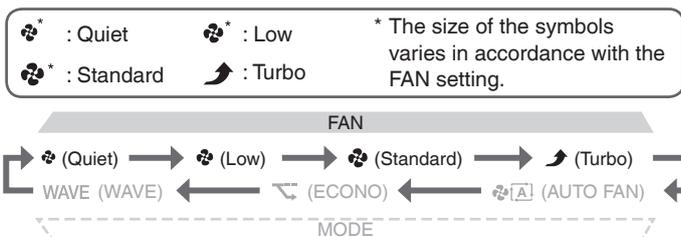
- Depending on the usage time, the length of time UV rays are emitted during each emission can be extended up to 180 minutes.
- When the indoor temperature is high, UV emission is stopped even though the UV ON/OFF lamp remains lit to protect the UV unit.
- At the time of purchase, the unit is set to "AUTO FAN MODE".
- When the power supply plug is removed or the unit is turned OFF, it will operate with the settings last used the next time it is turned ON.
- Operation settings cannot be changed for about 2 seconds immediately after the power supply plug is inserted.

Changing the Airflow Rate

Select the desired FAN setting.

Press .

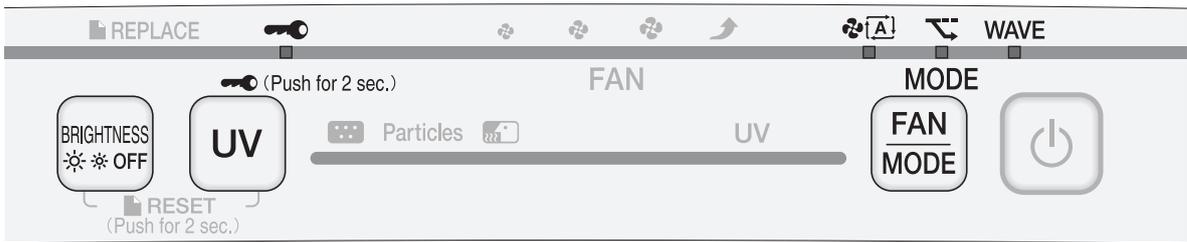
- Each press cycles between the FAN lamps (green) or the MODE lamps (green).



About FAN setting

- Quiet** A gentle breeze is emitted. Recommended for use during sleep hours. As the deodorizing capacity is reduced, it is recommended that the FAN setting be set to "Standard" or above if odor needs to be quickly eliminated from a room.
- Turbo** The ambient air is quickly purified using a large airflow rate. Recommended for use while you are cleaning up a room.

Operation



LOCK function

Button operation is restricted, preventing misoperation.

Hold down  for about 2 seconds.

- Hold down  for about 2 seconds again to turn off LOCK function.
- Lamp will be lit when the lock function is active. When lit, operations will be restricted. When buttons are pressed, three short beeps will sound.

Note

- If the unit is unplugged when LOCK function is active, LOCK function is turned off.
- The LOCK function lamp (orange) lights up when the function is active.

Adjusting Indicator Lamp Brightness

Indicator lamp brightness is adjustable.

Press .

- Each press of  cycles between the settings.



Note

- This function is useful if the lamps bother you during sleep hours etc.
- The FAN lamps, MODE lamps, and Filter replacement lamp do not turn off even if the brightness is set to OFF. These lamps will be set to DIM.
- If any of the below buttons are pressed when brightness is set to OFF, brightness will change to DIM and return to OFF after about 10 seconds.
 
- If operation is started when brightness is set to OFF, brightness will change to DIM and return to OFF after about 10 seconds.
- If you unplug the power supply plug while the indicator lamp brightness is set to "DIM" or "OFF", the setting will return to "BRIGHT".

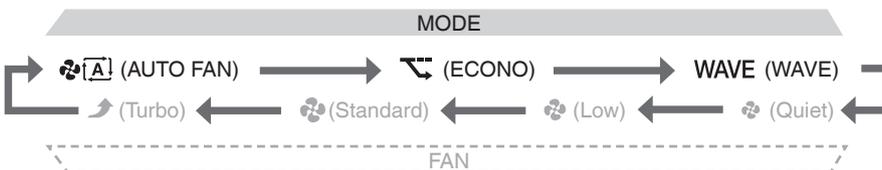
Operating MODES

Select a MODE specific to your needs.

Airflow rate is adjusted automatically when the unit is running in a MODE.

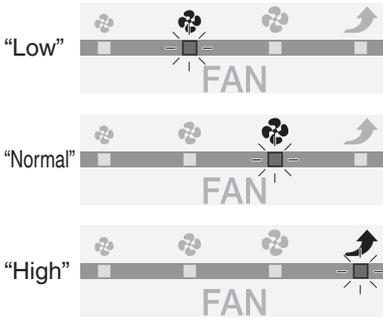
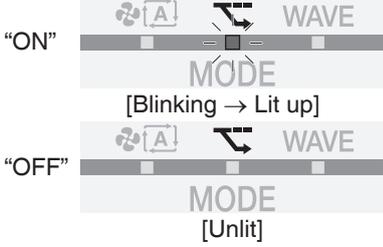
Press .

- Each press cycles between the MODE lamps (green) and FAN lamps (green).



MODE	Usage and Function
AUTO FAN	<p>Automatic airflow rate adjustment</p> <p>FAN setting (“Quiet”, “Low”, “Standard”, “High*”) is automatically adjusted according to the degree of air impurity. Purifying capacity increases as airflow rate rises. If operating sounds bother you, the airflow rate range can be changed. (▶Page 15, 16)</p> <p>* The maximum airflow rate during AUTO FAN MODE is “High”, which is less powerful than “Turbo”. • Degree of air impurity corresponds to the volume of dust and the intensity of odors in the ambient air.</p>
ECONO	<p>Saving energy</p> <p>In Power saving mode within ECONO MODE, the FAN setting automatically switches between Quiet and Low only, and power consumption and operating sounds are reduced. If the air is clean for about 5 minutes, Monitoring mode activates while active the fan starts and stops periodically. Recommended for use during sleep hours.</p> <div data-bbox="327 929 1436 1187"> <pre> graph LR subgraph Power_saving_mode [Power saving mode] PSM[FAN setting switches automatically between Quiet and Low.] end subgraph Monitoring_mode [Monitoring mode] MM[• The fan starts and stops periodically and dust and odors are monitored.] end PSM -- "If the air is clean for about 5 minutes..." --> MM MM -- "If dust or odors are detected..." --> PSM </pre> </div> <ul style="list-style-type: none"> • As the FAN setting is limited to Quiet and Low, air purifying capacity is reduced. • As air in the room is not drawn in when the fan has stopped, the dust/particle sensor and odor sensor reduce in sensitivity. To prevent this reduction in sensitivity, turn Monitoring mode OFF. (▶Page 15, 16) • FAN setting is adjusted automatically. Airflow cannot be adjusted manually. • Monitoring mode will not activate during UV emission.
WAVE	<p>Providing wave airflow</p> <p>A gentle air current is created by switching every 5 minutes between the FAN setting Standard and Low to provide a more natural rhythm to the airflow.</p>

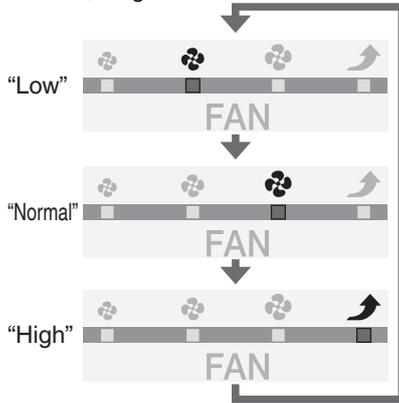
Changing the Setting

Function		1
<p>Dust/Particle Sensor Sensitivity Setting (Low, Normal, High) Setting at time of purchase: Normal</p> <p>The sensitivity setting of the dust/particle sensor can be changed (Low, Normal, High).</p> <ul style="list-style-type: none"> • “Low” makes the sensor less responsive. • “High” makes the sensor more responsive. 	<p>Operation can be performed either during operation or while operation is stopped.</p> <p>Hold down  for about 5 seconds and when a short beep sounds, press  while pressing . Release both  and  when a short beep sounds</p>	<p>The FAN lamp corresponding to the currently set sensitivity will light up after blinking.</p> 
<p>Monitoring mode within ECONO MODE (ON/OFF) Setting at time of purchase: ON</p> <p>When the fan has stopped in Monitoring mode, the sensors reduce in sensitivity. To prevent this reduction in sensitivity, turn Monitoring mode OFF.</p> <ul style="list-style-type: none"> • If set to OFF, monitoring stops. 	<p>Operation can be performed either during operation or while operation is stopped.</p> <p>Hold down  for about 5 seconds and when a short beep sounds, press  while pressing . Release both  and  when a short beep sounds</p>	<p>The FAN lamp  (Quiet) will light up after blinking.</p>  <p>[Blinking → Lit up]</p> <p>The ECONO MODE lamp changes as below according to the current setting.</p> 
<p>Airflow rate range for AUTO FAN (4 levels/3 levels) Setting at the time of purchase: 4 levels</p> <p>If operating sounds during AUTO FAN MODE bother you, switch from “4 levels” to “3 levels”.</p> <ul style="list-style-type: none"> ■ Airflow rate range 4 levels: “Quiet” “Low” “Standard” “High” 3 levels: “Quiet” “Low” “Standard” 	<p>Operation can be performed either during operation or while operation is stopped.</p> <p>Hold down  for about 5 seconds and when a short beep sounds, press  while pressing . Release both  and  when a short beep sounds</p>	<p>AUTO FAN MODE lamp will light up after blinking.</p>  <p>[Blinking → Lit up]</p> <p>According to the current setting, the FAN lamp will be displayed as follows.</p> 

2

Press  to change the setting*

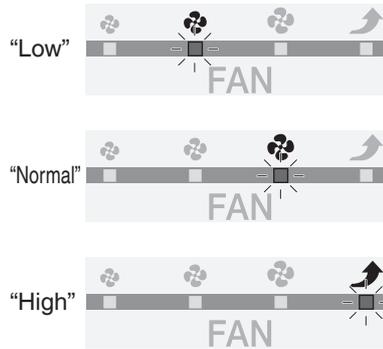
Each press cycles between “Low”, “Normal”, “High”.



3

Press 

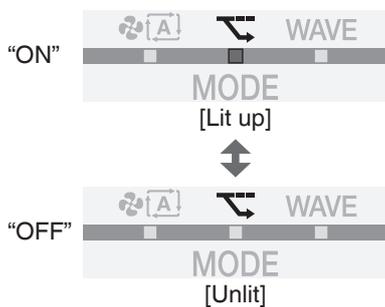
1 short beep will sound and the set FAN lamp will blink.



4

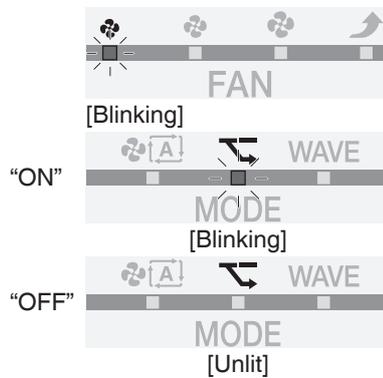
Press  to change the setting*

Each press cycles between “ON” and “OFF”.



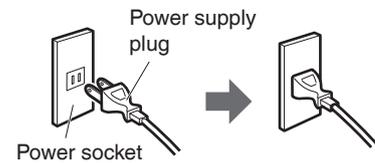
Press 

A short beep sounds and the FAN lamp “Quiet” blinks, and the ECONO MODE lamp changes as below according to the current setting.



While the lamp is blinking, unplug the power supply plug, wait at least 5 seconds, and then insert the power supply plug again.

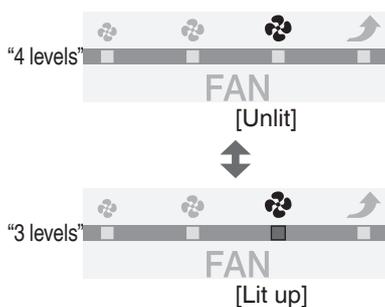
Setting is now complete.



- If this procedure is not performed, the unit will not return to regular operation mode.
- Settings are remembered even if the unit is unplugged.

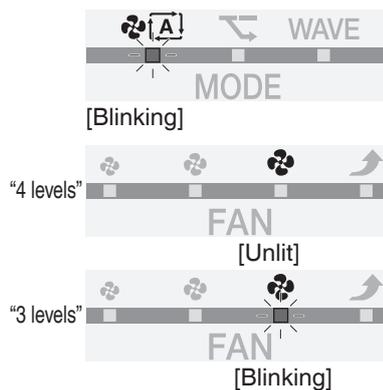
Press  to change the setting*

The airflow rate switches between “4 levels” and “3 levels” with each press.



Press 

A short beep sounds and the AUTO FAN MODE lamp blinks, and the FAN lamp changes as below according to the setting.



* If the lamps do not change even after the settings were changed, unplug the unit, wait at least 5 seconds, then re-insert the power supply plug and repeat the above procedure from the beginning.

Be sure to stop operation and unplug the power supply plug before performing maintenance. (Electric shock or injury may result)

Maintenance

Unit/Outflow grill

If dirt becomes an issue **Wipe**

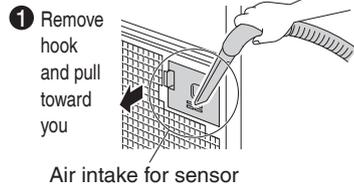
- Wipe up dirt with a soft damp cloth.
- If dirt buildup is severe, wet a cloth with kitchen-use neutral detergent and wipe up the dirt.
- Do not use a hard brush, etc. (Damage may result)

Dust/Particle sensor

If dust builds up

Vacuum cleaner

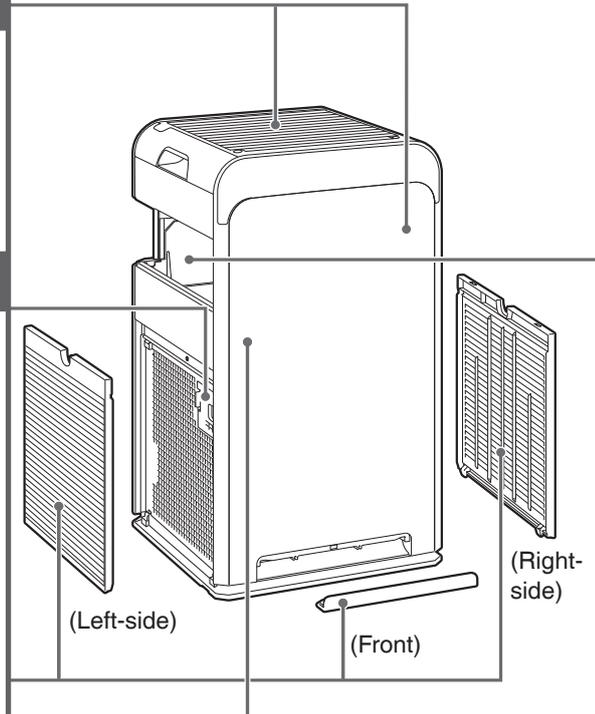
- ① Remove the pre-filter (left-side).
- ② Vacuum off any dust using a vacuum cleaner crevice tool or similar.



About 1 time every 3 months

Wipe

- ① Remove pre-filter (left-side) and the cover of the air intake for the sensor.
- ② **Lens** Because it is difficult to see even when illuminated with a light, lightly rub with a **dry cotton swab** along the left-side of the inside. Vacuum off any dust around the area using a vacuum cleaner crevice tool or similar.
- ③ After cleaning, be sure to attach the cover securely. (Malfunction may result)

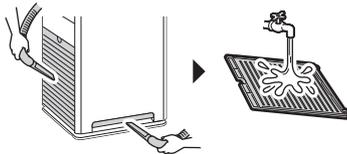


Pre-filter (front, left-side, right-side)

About 1 time every 2 months

Vacuum cleaner

Wash with water



- After removing any dust using a vacuum cleaner, remove and wash the filter with water, then dry thoroughly in the shade.
- Use a soft brush to clean the spaces between the slats.

Attention

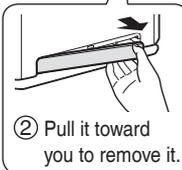
- **Do not use a cotton swab or hard scrubbing brush.** (Partial damage to the filter may result)
- Do not apply too much force. (Partial damage to the filter and scratching may result)
- If dirt buildup is severe, leave the part soaking in lukewarm or room temperature water mixed with kitchen-use neutral detergent, then thoroughly rinse so that no detergent remains and leave in the shade until completely dry.

How to remove

Hold the indentation of the pre-filter and pull it toward you to remove it.

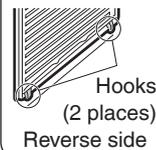


- ① Put your thumb on the unit and hold the end of the pre-filter.

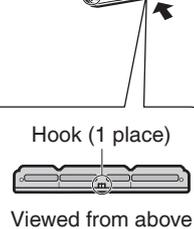


How to attach

Insert the hooks (2 places) into the unit, then press until a catching sound is heard.



Insert the hook (1 place) into the unit. Press both ends to securely attach.

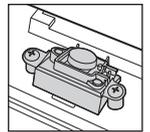


UV unit (inside)

The UV unit cannot be cleaned.*

- Do not touch the UV unit. (Malfunction may result)

* Cleaning is not required, but if dirt becomes an issue, it can be replaced. Contact your dealer or the customer service center.



Attention

- Please observe to prevent discoloration and deformation.
 - If detergent was used, wipe thoroughly so that no detergent remains.
 - When using hot water, keep the temperature below 104°F (40°C).
 - Do not dry in direct sunlight.
 - Do not dry with a hairdryer.
 - Do not expose to fire.
- When using a vacuum cleaner, do not impact the part with the vacuum cleaner. (Damage may result)

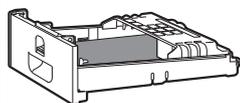
⚠ WARNING

- Do not use gasoline, benzene, thinner, polishing compound, paraffin, alcohol, etc. (Cracking, electric shock, and ignition of fire may result)
- Do not wash the unit with water. (Electric shock and fire or malfunctioning may result)

Attention

Be sure to operate with a dust collection filter, and carbon filter unit attached. If the unit is operated without the filters attached, malfunction may result.

Carbon filter unit Cannot be washed with water



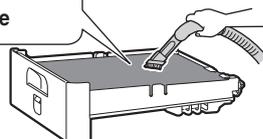
The carbon filter unit acts as a safety switch, because if it is removed, UV emission is impossible. After cleaning, be sure to attach it before operation.

When dirt becomes an issue

Vacuum cleaner

- Remove the entire frame from the unit, then vacuum away dust using a vacuum cleaner.
- If odor becomes a problem, expose to airflow in a shady place. (Approx. 1 day)
- Do not rub the surface.
- Do not wash with water. (If you wash it with water, it will lose its shape and you will not be able to use it.) ▶Page 21

Do not remove the carbon filter from the frame



When odor and dirt becomes an issue

Expose to air flow in a shady place

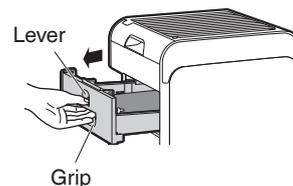
- If odor and dirt are still an issue even after cleaning, replace it.

About purchase and disposal

- Refer to “Replacement Parts” ▶Page 25
- For the attachment method, refer to “Attaching the carbon filter” ▶Page 11

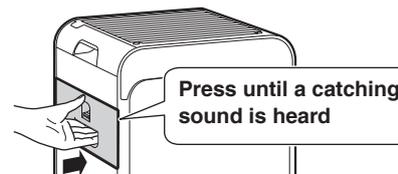
How to remove

Hold the lever of the carbon filter unit and the grip, and pull it out.



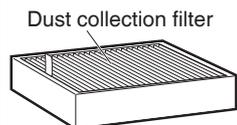
How to attach

Push the carbon filter unit all the way in.



- If the carbon filter unit or the carbon filter is not attached properly, **the odor sensor lamp or the UV ON/OFF lamp blinks.**

Dust collection filter Cannot be washed with water



Replace

Do not vacuum clean

About replacement timing

- When the filter replacement lamp lights up, there is about 1 month remaining before replacement is necessary.
- When the filter replacement lamp blinks, replace the dust collection filter with a new one. Please consider replacing the carbon filter at the same time.

After replacing the dust collection filter with a new one, press and hold  and  simultaneously for about 2 seconds to reset the filter replacement alert. (Two short beeps will sound, and the filter replacement lamp will turn off.)

About purchase and disposal

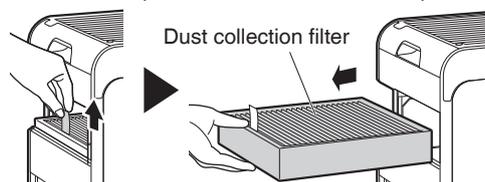
- Refer to “Replacement Parts” ▶Page 25

Note

- The replacement timing of the dust collection filter depends on how it is used and the usage environment.

How to remove

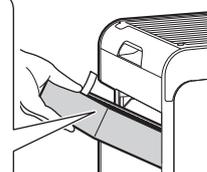
- ① Remove the carbon filter unit.
- ② Lift the tag of the dust collection filter up.
- ③ Hold the bottom of the dust collection filter and pull it out.



How to attach

- ① Paying attention to the orientation, install a new dust collection filter.

The side with the tag and marking is the front side, and the tip of the arrow points to the top side



- ② Attach the carbon filter unit.

Maintenance

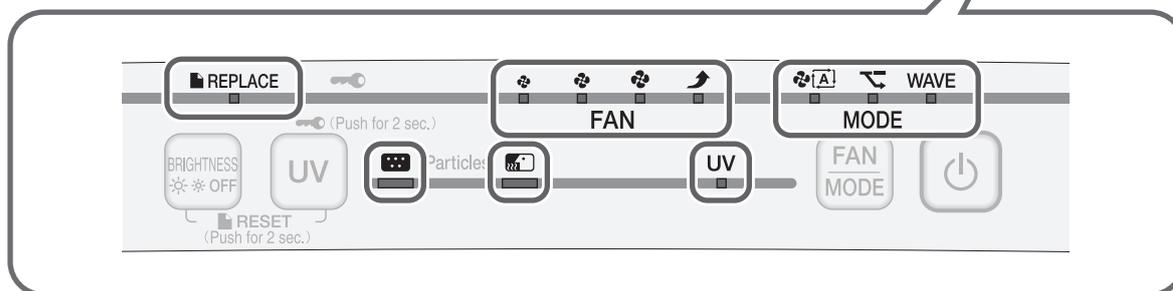
When Not Using the Unit for a Prolonged Period

- 1. Unplug the power supply.**
- 2. Clean the parts.** [▶Page 17, 18](#)
 - In particular, parts cleaned with water should be completely dry. (Mould may result from remaining moisture)
- 3. Cover the air outlet and other openings with a plastic bag or similar to prevent dust entry, and store the unit upright in a dry place.**
(Malfunction/breakage may result from storing the unit upside down or horizontally)

About the Indicator Lamps

Operating/Indicator panel

Check the indicator lamp and take the following actions.



Indicator lamp	Cause/Solution	
The odor sensor lamp blinks	Blinks if the carbon filter is removed or the carbon filter unit is not pushed all the way in. (When blinking, the airflow rate decreases.) → Attach the carbon filter, then insert the carbon filter unit all the way. (▶Page 11, 18)	
The UV ON/OFF lamp blinks	Blinks if the carbon filter is removed or the carbon filter unit is not pushed all the way in. (UV emission is not performed when blinking.) → Unplug the power supply plug, attach the carbon filter, insert the carbon filter unit all the way, and then restart operation. (▶Page 11, 18)	
The filter replacement lamp lights up	The dust collection filter needs to be replaced in about 1 month. Use a dust collection filter for replacement. (▶Page 25) → Contact the place of purchase.	
The filter replacement lamp blinks	The dust collection filter needs to be replaced. (▶Page 18)	
All 3 MODE lamps blink simultaneously	An electrical component is malfunctioning. → Contact the place of purchase.	
The dust lamp blinks (green)		
All 4 FAN lamps blink simultaneously 	Are the pre-filter and dust collection filter attached? Lamps may blink when the components are removed and the unit is operated.	<ul style="list-style-type: none"> ■ If all components are attached An electrical component is malfunctioning. → Contact the place of purchase. ■ If a component is not attached → Unplug the power supply plug, reattach the components, and then restart operation.
	Is there a buildup of dust on the pre-filter?	<ul style="list-style-type: none"> ■ If there is not a buildup of dust An electrical component is malfunctioning. → Contact the place of purchase. ■ If there is a buildup of dust → Unplug the power supply plug, clean the pre-filter, and then restart operation. (▶Page 17)
	Is the air outlet blocked?	<ul style="list-style-type: none"> ■ If the air outlet is not blocked An electrical component is malfunctioning. → Contact the place of purchase. ■ If the air outlet is blocked → Remove any obstacles blocking the air outlet, and then restart operation.

FAQs

Please check first before contacting us.

Q: Is it possible to see if UV emission is being performed while the UV function is ON?

A: For safety, the unit is structured so that UV emission cannot be seen.

Q: The sensitivity of the dust/particle sensor seems to be poor...

A: If the dust/particle sensor lens is dirty, the sensitivity may become poor, so clean it regularly. [▶Page 17](#)

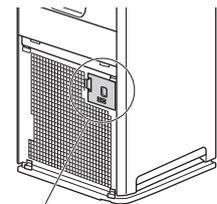
In addition, the reaction time of the dust/particle sensor varies depending on the size of the room.

Adjust in accordance with the Dust/Particle Sensor Sensitivity Setting.

[▶Page 15, 16](#)

If the airflow rate setting is set to a strong setting like “Turbo”, the responsiveness of the dust/particle sensor may be poor.

This is not a malfunction because the airflow rate is strong and the dust is sucked into the air inlet before it reaches the dust/particle sensor.



Dust/Particle sensor

Q: Can I clean the dust collection filter?

A: Maintenance of filter is not possible, but can be replaced. Do not vacuum or wash with water.

(Reduced performance of the dust collection filter may result)

Replace if dirt buildup is severe. [▶Page 18](#)



Q: The color of the dust collection filter is changing...

A: The dust collection filter may turn black due to the collection of dust, or turn yellow or brown due to the UV rays, but this discoloration does not affect the dust collection performance.

If you are concerned, replace it. [▶Page 18](#)

Q: Can the carbon filter be washed with water?

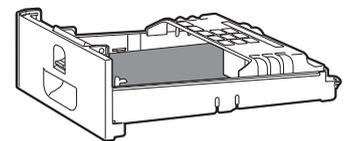
A: It cannot be washed with water.

(If you wash it with water, it will lose its shape and you will not be able to use it.)

If you inadvertently washed it with water, replace it. [▶Page 18](#)

Remove the carbon filter unit from the unit and vacuum off dust with a vacuum cleaner. If odor becomes a problem, expose to airflow in a shady place. (Approx. 1 day)

If odor and dirt are still an issue even after cleaning, replace it. [▶Page 18](#)



Q: Is continuous operation possible?

A: It can be operated continuously.
Stop operation regularly and clean it.

Troubleshooting

■ Please check the following before requesting repairs or making an inquiry.
If there is still an abnormality, contact **your dealer or the customer service center.**



Not a problem

This case is not a problem.



Check

Please check again before requesting repairs.

■ Noises

Phenomenon	Check points
A whistling and fluttering sound during operation	<ul style="list-style-type: none"> • Is there a buildup of dust on the pre-filter? → Clean it. ▶Page 17 • Is the dust collection filter clogged up? → Depending on usage conditions, the dust collection filter may become clogged up, shortening its service life. ▶Page 6 Replace the dust collection filter. ▶Page 18
The operating sound is loud	<ul style="list-style-type: none"> • Is the dust collection filter attached properly? → If not attached properly, the sound may be loud. ▶Page 18

■ Indicator lamps

Phenomenon	Check points
The indicator lamps other than the FAN/MODE/Filter replacement lamp do not light up The indicator lamps turn off about 10 seconds after operation start	<ul style="list-style-type: none"> • Is the indicator lamp brightness set to “OFF”? → If indicator lamp brightness is set to “OFF”, lamps other than the FAN/MODE/Filter replacement lamps do not light up. → If operation is started while the indicator lamp brightness is set to “OFF”, the lamps are displayed with “DIM” brightness for about 10 seconds and then the brightness changes to “OFF”. ▶Page 13
The FAN lamps (“ (Quiet)”, “ (Low)”, “ (Standard)”, “ (Turbo)”) all blink at the same time	<ul style="list-style-type: none"> • Are the pre-filter and dust collection filter attached? Lamps may blink when the components are removed and the unit is operated. [If a component is not attached] → Unplug the power supply plug, reattach the components, and then restart operation. [If all components are attached] An electrical component is malfunctioning. → Contact your dealer or the customer service center. • Is there a buildup of dust on the pre-filter? [If there is a buildup of dust] → Unplug the power supply plug, clean the pre-filter, and then restart operation. ▶Page 17 [If there is no buildup of dust] An electrical component is malfunctioning. → Contact your dealer or the customer service center. • Is the air outlet blocked? [If the air outlet is blocked] → Remove any obstacles blocking the air outlet, and then restart operation. [If the air outlet is not blocked] An electrical component is malfunctioning. → Contact your dealer or the customer service center.

Troubleshooting

Phenomenon	Check points
The dust/particle sensor lamp remains orange or red	<ul style="list-style-type: none"> ? Is there a buildup of dust on the air intake for dust/particle sensor or the surrounding area? → Vacuum off any dust from the air intake using a vacuum cleaner. ▶Page 17 Is the cover of the air intake for dust/particle sensor removed? → Attach the cover securely. ▶Page 17 Is the dust/particle sensor lens dirty? → Wipe off the dirt on the lens with a dry cotton swab, etc. ▶Page 17 Is the pre-filter dirty? → Clean it. ▶Page 17
There is an odor but the odor sensor lamp remains green	<ul style="list-style-type: none"> ? Was a strong odor already present at the time you plugged in the power supply plug? → The sensitivity of the odor sensor will be determined by odor levels in the first minute after the power supply plug is inserted. ▶Page 9 If you remove the power supply plug when the air is clean (odor-free), wait at least 5 seconds, then reinsert the power supply plug and start operation, the reference odor level that determines the sensitivity of the odor sensor will be adjusted.
The dust collection filter was replaced, but the filter replacement lamp has not turned off	<ul style="list-style-type: none"> ? Did you press and hold  and  simultaneously for about 2 seconds? → Even if the dust collection filter is replaced, the filter replacement lamp will not turn off unless  and  are pressed and held simultaneously for about 2 seconds. ▶Page 18
The odor sensor lamp blinks	<ul style="list-style-type: none"> ? Are the carbon filter and carbon filter unit attached? → Attach the carbon filter, then insert the carbon filter unit all the way. ▶Page 11, 18
UV ON/OFF lamp blinks	<ul style="list-style-type: none"> ? Are the carbon filter and carbon filter unit attached? → Unplug the power supply plug, attach the carbon filter, insert the carbon filter unit all the way, and then restart operation. ▶Page 11, 18

■ Air purifier function

Phenomenon	Check points
There is no air purifying effect	<ul style="list-style-type: none"> ? Is it installed in a location where the airflow cannot reach, or are there obstacles around it? → Choose a location where there are no obstacles and the airflow coming out of the unit can reach all areas of the room. Is the filter replacement lamp lit or blinking? → Replace the dust collection filter. ▶Page 18
There is an odor coming from the air outlet	<ul style="list-style-type: none"> ? Is the carbon filter dirty? → Clean it. ▶Page 18 Is the room temporarily filled with strong odors due to something such as many people smoking or cooking? → The odor will gradually decrease as the unit operates. Did you move the unit to another room? → Odor from the room the unit was previously in may still be present. Keep operating until the odor disappears. Is there anything in the room that constantly produces odors? (Paint, new furniture, wallpaper, aerosols, cosmetics, chemicals and pharmaceuticals) → As continuously emitted odors cannot be completely eliminated, you should use a ventilator at the same time or run the unit in a well-ventilated room until the odor disappears. If an odor comes out of the air outlet when operation is started, set the airflow rate to "Turbo" and continue operating until the odor disappears. ▶Page 12

Phenomenon	Check points
Air does not come out	<ul style="list-style-type: none"> Is the air outlet or air inlet blocked? If the air outlet is not blocked, an electrical component is malfunctioning. → Contact your dealer or the customer service center.
The airflow rate cannot be adjusted	<ul style="list-style-type: none"> Is the odor sensor lamp blinking? → Attach the carbon filter, then insert the carbon filter unit all the way. <p style="text-align: right;">▶Page 11, 18</p>

■ Other

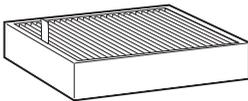
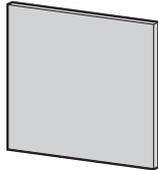
Phenomenon	Check points
The fan stops during operation	<ul style="list-style-type: none"> During ECONO MODE operation, when Monitoring mode is entered, the fan turns on and off repeatedly. ▶Page 14 Are you operating with the pre-filter and dust collection filter removed? If you forget to attach a component, the fan may stop to protect the electrical components. → If you forgot to attach a component, remove the power supply plug, attach the component correctly, and then restart operation.
The TV screen shows interference The radio emits static noise	<ul style="list-style-type: none"> Is the TV/radio installed within 7ft (2m) of the unit, or is an indoor antenna used near the unit? Are the TV/radio power supply cords or antenna cable routed near the unit? → Keep the unit as far away from the TV/radio/antenna as possible.

Specifications

Model name	MCB50YSAU			
Power supply	Single phase 120V 60Hz			
Operation mode	Air Purifying			
	Turbo	Standard	Low	Quiet
Airflow rate (CFM) [m ³ /h]	176 [300]	113 [192]	70 [120]	38 [66]
External dimensions (in.) [mm]	19-11/16 (H) × 10-5/8 (W) × 10-5/8 (D) [500 (H) × 270 (W) × 270 (D)]			
Weight (lbs.) [kg]	15 [6.8]			
Power supply cord length (in.) [m]	71 [1.8]			

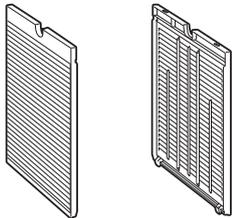
- Even when the power is off, power is consumed to run the microcomputer (less than 1W).

Replacement Parts

<p>Replacement part</p> <p>Dust collection filter Model: BAFP101A4N</p>	<p>Carbon filter Model: BAD101A4N</p>
 <ul style="list-style-type: none"> • Replace when the filter replacement lamp blinks. • Catches dust and pollen. 	

- If any component is used while dirty
 - The air purifying effect cannot be obtained
 - The deodorizing capacity will be reduced
 - Odors will be emitted
- Dispose of the filter according to local waste separation rules.
 - Dust collection filter ... Material: Polyester/Polypropylene/Acrylic
 - Carbon filter ... Material: Paper

- The following filters are not for sale (only service parts).

<p>Pre-filter Left-side/Right-side (Parts No. 2533838)</p>	<p>Pre-filter Front (Parts No. 2542286)</p>
	

- In the event that there is any conflict in the interpretation of this manual and any translation of the same in any language, the English version of this manual shall prevail.
- The manufacturer reserves the right to revise any of the specification and design contain herein at any time without prior notification.
- All images are for illustration purposes only.

FCC COMPLIANCE INFORMATION

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC's Rules. Operation of this device is subject to two conditions:

- (1) This device may not cause harmful interference; and
- (2) This device must accept any interference received, including interference that may cause undesirable operation.

And this device meets the applicable Industry Canada technical specifications: CAN-ICES-003(B)/NMB-003(B).

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Responsible Party:

Goodman Manufacturing Company, L.P.
19001 Kermier Road
Waller, TX 77474
1-713-861-2500
<https://www.goodmanmfg.com>

Proprietary Notice

This document and the information disclosed herein are proprietary data of Daikin North America LLC. Neither this document nor the information contained herein shall be reproduced, used, or disclosed to others without the written authorization of Daikin North America LLC, except to the extent required for installation or maintenance of recipient's equipment.

Copyright Notice

Copyright 2021, Daikin North America LLC All rights reserved.

Daikin North America LLC reserves the right to discontinue or change at any time, specifications or designs without notice or without incurring obligations.

DAIKIN INDUSTRIES, LTD.

Head office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku,
Osaka, 530-8323 Japan

Tokyo office:
JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku,
Tokyo, 108-0075 Japan
<http://www.daikin.com/global/>

DAIKIN NORTH AMERICA LLC

19001 Kermier Road
Waller, TX 77484
<https://www.daikinpureair.com>
<https://www.daikincomfort.com>



The two-dimensional bar code is a manufacturing code.

3P671617-2A

M21B437 (2111) HT

