



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

- Thank you for purchasing this humidifying 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.

FLOOR STANDING TYPE

MODEL

MCKB70YSAU



* 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 |
| Precautions During Use | 7 |
| Names of Parts and Operations | 8 |
| Preparation Before Operation | 13 |
| Attaching the carbon filter | 13 |

Operation

| | |
|---------------------------------|----|
| AUTO Operation | 16 |
| Air Purifying Operation | 17 |
| Changing the Airflow Rate | 17 |

Useful Functions

| | |
|-------------------------------------------------|----|
| Humidifying and Air Purifying Operation | 18 |
| About Humidifying Filter Drying Operation | 18 |
| UV ON/OFF | 19 |
| Operating MODEs | 19 |
| AUTO FAN/ECONO/WAVE/HUMIDIFY/CIRCULATOR | |

Advanced Settings

| | |
|---------------------------------------------------------------|----|
| Dust/Particle Sensor Sensitivity Setting | 21 |
| Monitoring mode within AUTO Operation and ECONO MODE ... | 21 |
| Airflow rate range for AUTO FAN | 21 |
| Humidifying Filter Drying Operation | 23 |
| Airflow rate set to "Quiet" when water supply lamp is lit ... | 23 |
| Notification tone when water supply lamp is lit | 23 |

Maintenance

| | |
|------------------------------------------------------|----|
| Maintenance | 25 |
| When Not Using the Unit for a Prolonged Period | 32 |

Troubleshooting

| | |
|-------------------------------------------------------|----|
| States of the HUM Monitor Lamp and Their Meanings ... | 33 |
| FAQs | 34 |
| Troubleshooting | 35 |
| Specifications | 40 |
| Replacement Parts | 40 |
| FCC COMPLIANCE INFORMATION | 41 |

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.** (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)
- **Do not place where the floor is unstable.** (Household items etc., may get wet, or a fire or an electric shock may result if the unit falls over)

Safety Precautions

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

■ **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.

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, dust collection filter and other components removed.**

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

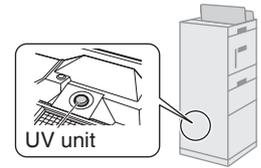
(Harm to eyes and skin due to the escape of deep ultraviolet may result)

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.

• **Do not drink the water from the water tank. Do not give the water to animals or plants.**

(Harm may be caused to the animal or plant)

• **Do not operate with the water tank removed.**

– Please check that the lid of the water tank and the packing is attached correctly.

(Water leakage or injury may result)

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

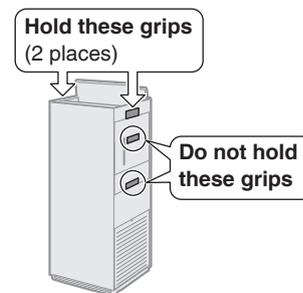
- !** • **Frequently ventilate the room when using the unit together with combustion-based heating devices.**
 – Usage of this product is not a substitute for ventilation. (Potential cause of carbon monoxide poisoning)
 This product cannot eliminate carbon monoxide.
- **If the unit is placed within reach 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)
- **When using the humidifier, maintain the cleanliness of the water tank, humidifying tray, and humidifying filter unit at all times.**
 – Replace the water in the water tank with fresh tap water everyday.
 – Discard any water remaining in the humidifying tray everyday.
 – Periodically perform maintenance on internal components (humidifying tray, humidifying filter unit).
 (Harm may be caused to health from the propagation of mold or bacteria in dirt and water scales)
 Consult a medical professional if you experience any health abnormalities.
- **Once a day, fill the water tank with water. Check that the water tank is clean and there is no water leaking from the tank.**
 (If water leaks, household items may get wet, and electric shock and electrical leakage 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 apply deodorizing spray or other types of spray to the unit, or use near the unit.** (Malfunction may result)
- **Do not climb, sit or lean on the unit.** (Injury may result from falling or toppling)
- **Do not lay the unit horizontally or tilt the unit.** (An electric shock or malfunction may result from water leaking or spilling)

■ 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 water tank or humidifying tray. (Injury may result from the unit falling)
- **Before moving the unit, turn off the power, and discard any water in the water tank and humidifying tray.**
 (Household items etc., may get wet, or an electric shock or electrical leakage may result from water leaking or spilling)



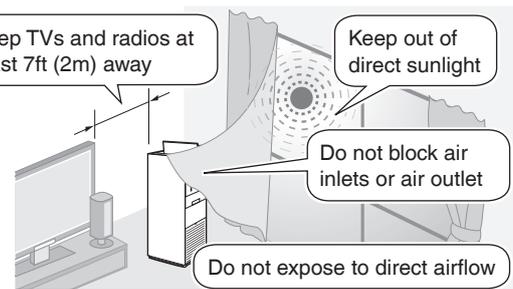
Precautions During Use

Other considerations

- **Do not use this product for special purposes such as in the preservation of works of art, academic texts/ materials, etc.**
(Degradation of preserved items may result)
- **Do not excessively humidify the air.**
(Condensation and mold growth may result)
- **Do not use any of the following types of liquid. Warm water (104°F (40°C) or above), aroma oil, chemical agents such as hypochlorous acid, unclean water, water containing aromatic substances or detergent, etc.**
(Deformation of the unit or malfunction may result)
Water from a water purifier, ionized alkaline water, mineral water, well-water etc.
(Propagation of mold or bacteria may result)
- **Be careful of freezing.**
(Malfunction may result)
Discard any water in the water tank and humidifying tray if there is any risk of freezing.
- **When not using the Humidifying Operation, discard any water in the water tank and humidifying tray.**
(Bad odors may result from the propagation of mold or bacteria in dirt and water scales)
- **Depending on the usage environment, shorten the maintenance period. When using in places with high foot traffic such as hotels and public facilities, shorten the pre-filter maintenance period.**
(If the pre-filter becomes clogged and the unit continues to be used, malfunction may result)

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)
- **On top of a thick carpet, bed cover or mattress**
The unit may tilt causing water to spill or the water level sensor may fail to work correctly.
- **Places exposed to direct sunlight**
(Discoloration may result)
- **Places exposed to outdoor air (e.g. near windows, etc.) or direct airflow from air conditioners, etc.**
Room humidity may not be detected and indicated correctly.
- **Positions near combustion-based heating devices and other high temperature devices**
(Room humidity may not be detected and indicated correctly or deformation 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, cause water leaks and cause things to get wet, such as household items, etc.)
- **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.

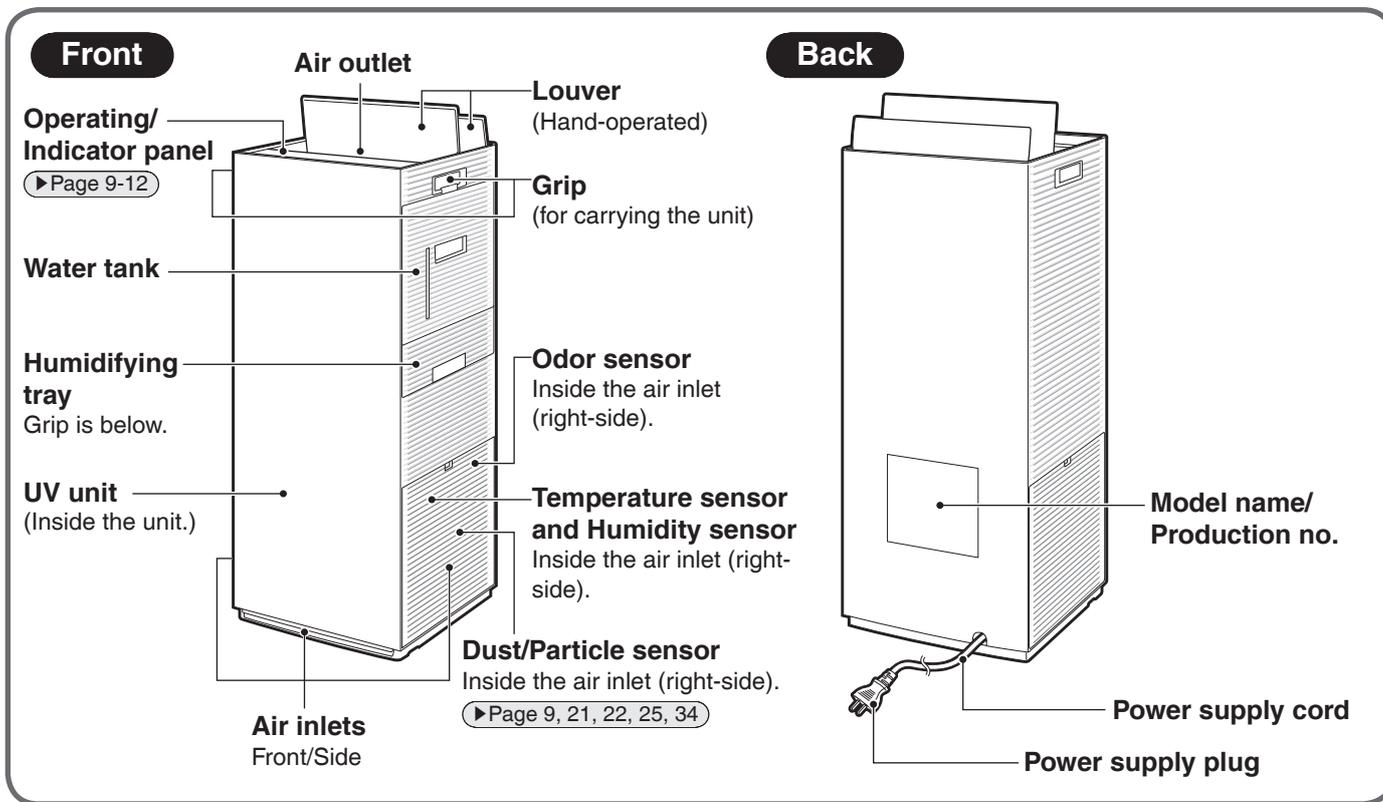


- This product cannot eliminate all of the toxic substances in tobacco smoke (carbon monoxide etc.)
- Odors cannot be completely removed if they are being constantly generated (building material odors, pet odors, etc.)
- Not all bacteria can be removed with UV.

Names of Parts and Operations

⚠ CAUTION

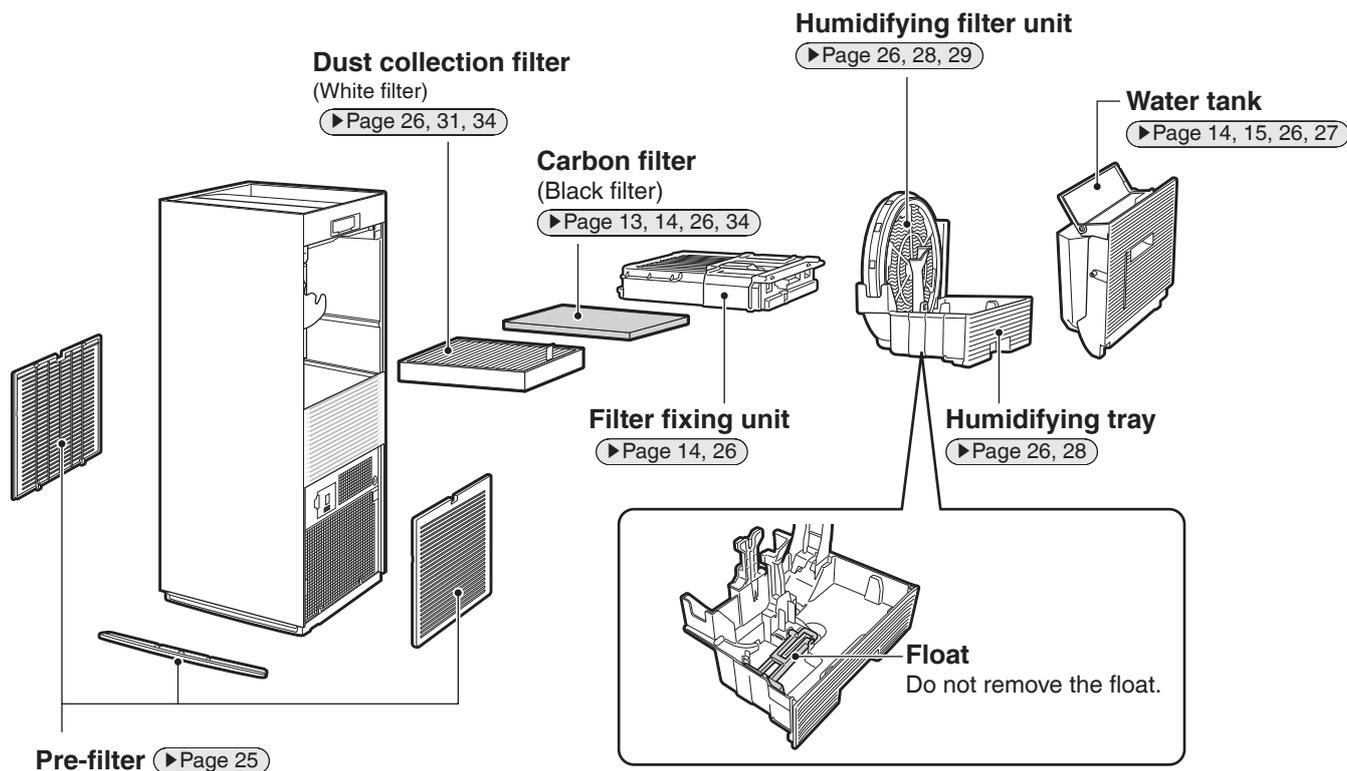
Do not lift up the unit holding the grip on the water tank or humidifying tray. (Injury may result from the unit falling)



Main Removable Parts

Attention

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



Names of Parts and Operations

Operating/Indicator panel

Water supply lamp (Red)

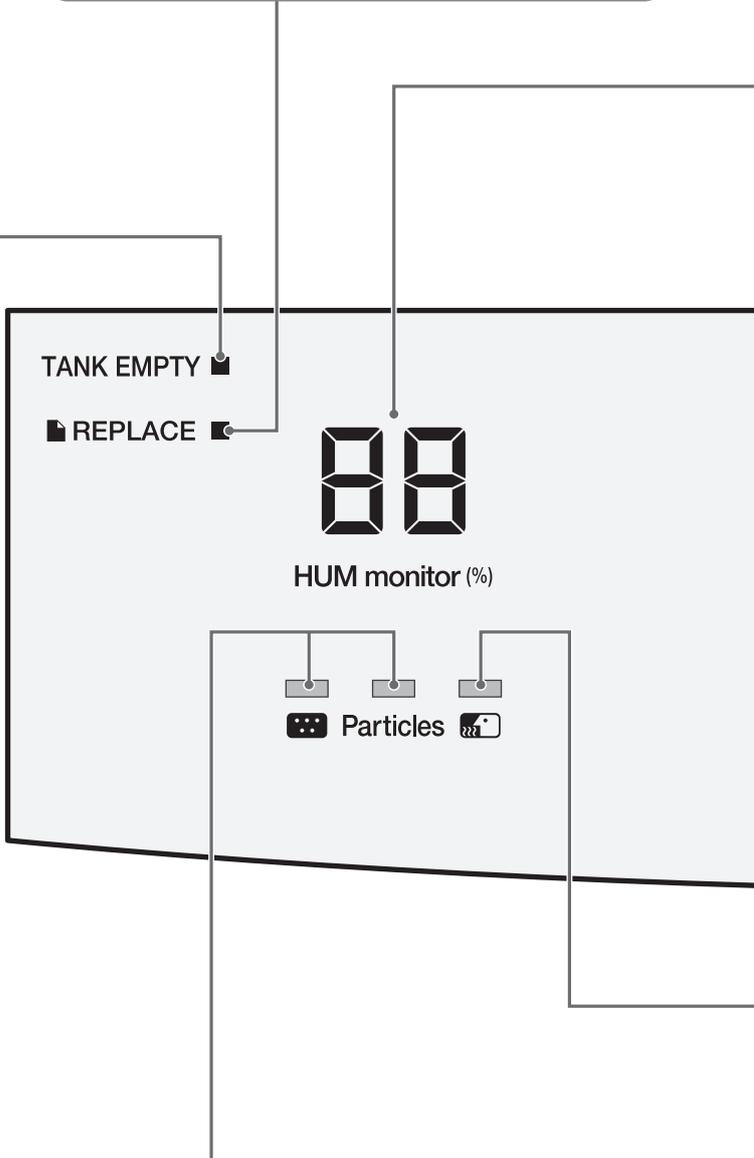
- When water in the water tank is depleted during Humidifying Operation, a tone (3 long beeps) will sound and the lamp will light up.
- Stop operation, unplug the power supply plug, and then fill the water tank with water. [▶Page 14, 15](#)
- To stop the notification tone (3 long beeps) from sounding, change the setting. [▶Page 23, 24](#)
- If 3 long beeps sound and the lamp lights up even though water is in the water tank. [▶Page 36](#)

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
- Notification..... 3 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.



Dust/Particle sensor lamp

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

- Blue indicates that the air is clean.

Lamp color

Blue

Orange

Red

Dust

←

Low

High

→

- 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.
- **After operation is started, the lamp will light blue for the first 1 minute (approx.) regardless of air impurity level.**
- If the responsiveness of the dust/particle sensor is poor, change the sensitivity setting of the sensor. [▶Page 21, 22](#)
- 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.

HUM monitor lamp about ambient humidity (white) (rough estimate)

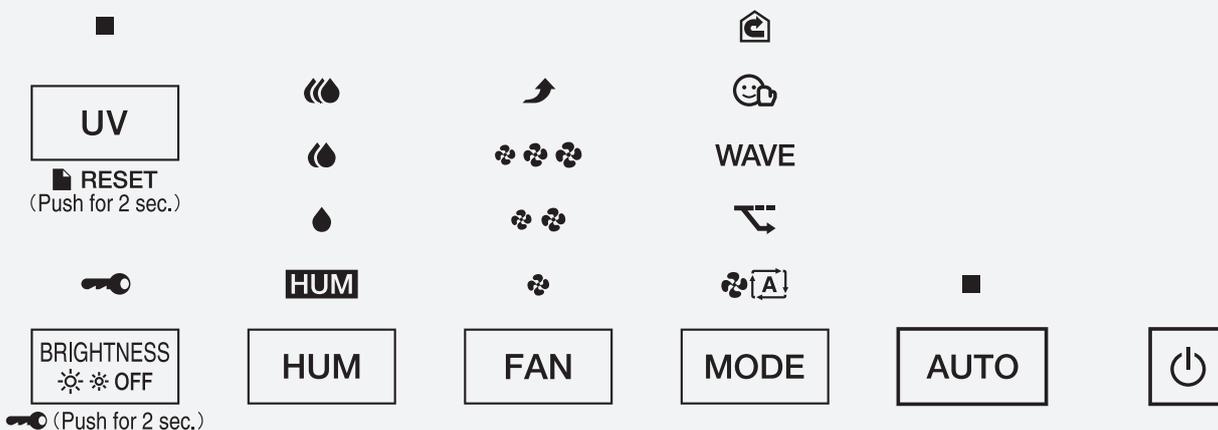
Indicates room humidity within the range 20% to 90%.
(1% increments)
When the humidity level is below 20%, "20" is displayed, and when the humidity level is above 90%, "90" is displayed.

- The lamp will light up even when only the Air Purifying Operation is active.
- [- -] is displayed for about 30 seconds immediately after operation start regardless of the humidity.

At times the humidity level indicated on the unit may differ from other hygrometers.

- This is because the flow of air causes temperature and humidity to vary throughout the room. Please consider the indications to be a rough estimate of ambient humidity.

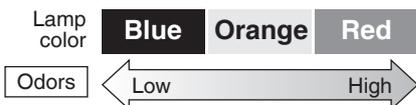
States of the HUM monitor lamp and their meanings [▶ Page 33](#)



Odor sensor lamp

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

- Blue indicates that the air is clean.



- **If operation is started immediately after the power supply plug is inserted, the lamp will light blue for the first 1 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 blue. If the odor bothers you, switch to manual airflow rate, and select a high airflow rate. [▶ Page 17](#)

The basic sensitivity of the odor sensor will be determined by odor levels in the first 1 minute after the power supply plug is inserted. Insert the power supply plug when the air is clean (odor-free).

Names of Parts and Operations

Operating/Indicator panel

LOCK function

Hold down  for about 2 seconds to set.

(The same applies when you want to cancel.)

LOCK function lamp (white)

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.

Attention

If the unit is unplugged when LOCK function is active, LOCK function is turned off.

Humidity setting lamps (white)

Indicate the humidity setting in 3 levels (Low, Standard, High).

Humidifier lamp (white)

Lights up during Humidifying Operation.

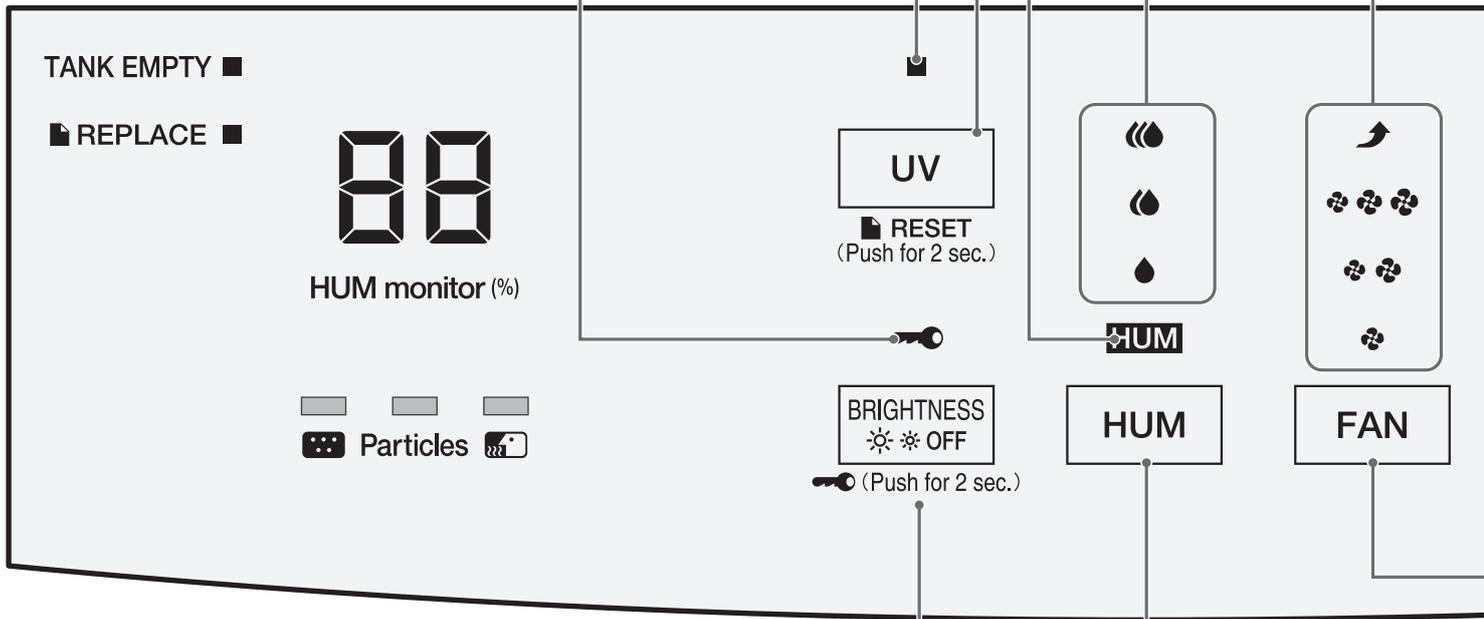
- Slowly blinks during humidifying filter drying operation. [▶Page 18](#)

UV ON/OFF button

UV rays are emitted. [▶Page 19](#)

UV ON/OFF lamp (white)

Lights up when UV rays are being emitted.



BRIGHTNESS button

During operation, each press cycles through operating panel lamp brightness levels.



Use this function if the lamps bother you during sleep hours, etc.

- The following lamps do not turn off even if the brightness is set to OFF.
 "AUTO operation lamp, MODE lamp, FAN lamp, Humidifier lamp, Humidity setting lamps, LOCK function lamp, UV ON/OFF lamp, Water supply lamp, Filter replacement lamp"
- If you unplug the power supply plug while the indicator lamp brightness is set to "DIM" or "OFF", the setting will return to "BRIGHT".

FAN lamps (white)

Indicate the active airflow rate setting in 4 levels (Quiet, Low, Standard, Turbo).

MODE lamps (white)

Indicate the MODE in operation.

AUTO operation lamp (white)

Lights up during AUTO operation. [▶Page 16](#)

AUTO button

Optimum operation will be performed according to the condition of the room. [▶Page 16](#)

ON/OFF button

Press to turn the power ON, press again to turn OFF.
After operation stops, humidifying filter drying operation may be performed. [▶Page 18](#)

MODE button

Press to select the desired MODE. [▶Page 19](#)

FAN setting button

Press to select the desired airflow rate. [▶Page 17](#)

HUM setting button

Press to turn the Humidifying Operation ON/OFF and to select the humidity setting.

[▶Page 18](#)

- Humidifier lamp turns off when humidification is set to "OFF".

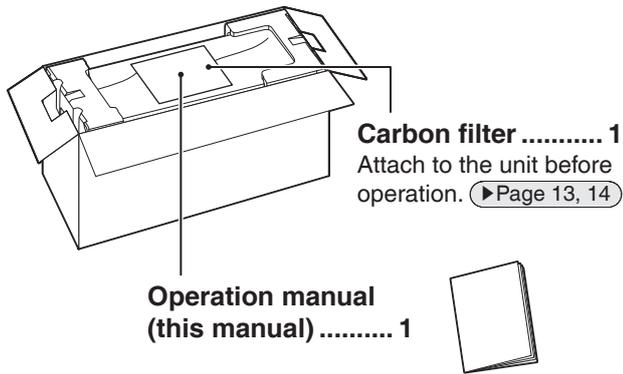
About the airflow rate and humidity setting symbols

Symbol table

| | Fan | | | | Humidity setting | | |
|---------|-------|-----|----------|-------|------------------|----------|------|
| Symbol | | | | | | | |
| Setting | Quiet | Low | Standard | Turbo | Low | Standard | High |

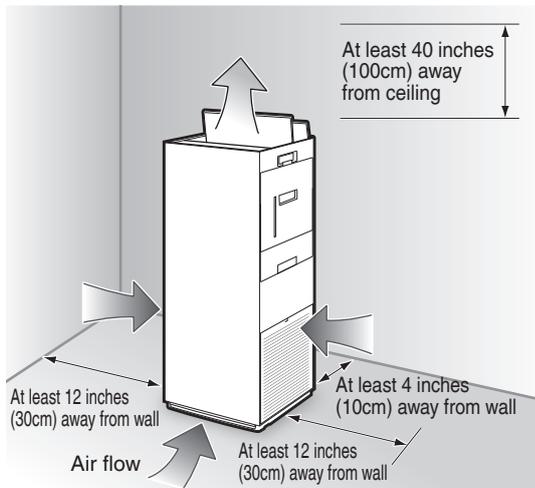
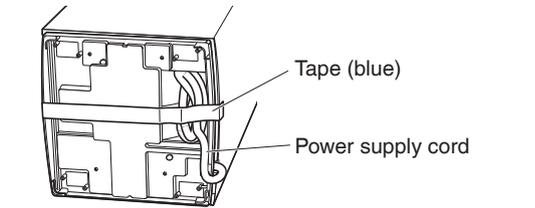
Preparation Before Operation

1 Checking accessories



2 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 place from where airflow can reach all areas of the room.
- Place the unit 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.

! WARNING

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

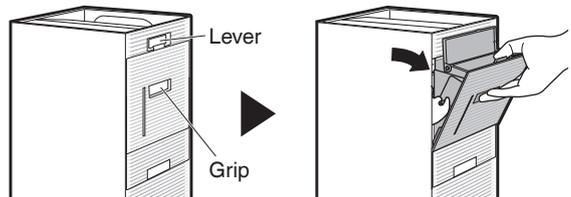
Attention

- 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 in the illustration 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 place, 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.

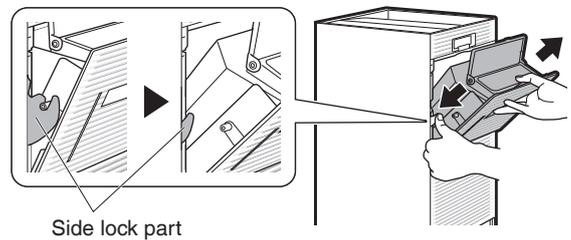
3 Attaching the carbon filter

1. Take out the water tank.

- ① Securely hold the grip on the water tank and slowly pull the tank toward you while pressing the lever.

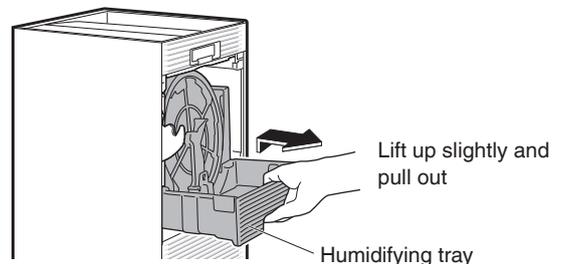


- ② Take out the water tank by holding down the side lock part on the water tank with a finger to unlock.



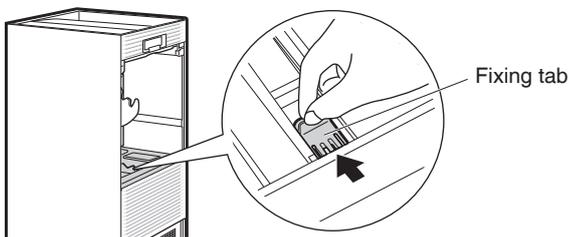
- When releasing the side lock part, be sure to support the water tank with your hand.

2. Remove the humidifying tray.

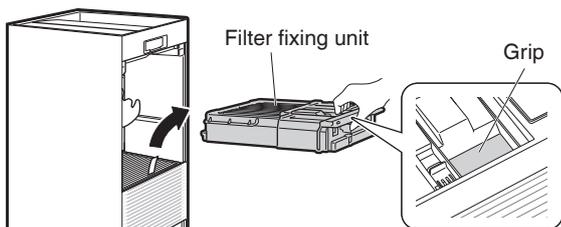


3. Remove the filter fixing unit.

① Slide the fixing tab on the filter fixing unit to  side to unlock.

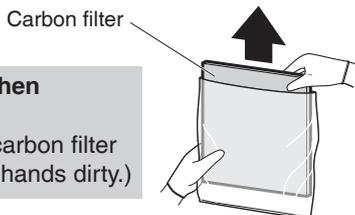


② Lift up the grip in the upper part of the filter fixing unit and pull toward you.



4. Remove the carbon filter from the bag.

- The carbon filter has no front or back.

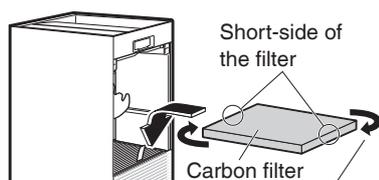


Wear gloves when working.
(Dust from the carbon filter may make your hands dirty.)

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

5. Attach the carbon filter.

Insert the short-side of the filter all the way into the unit and place it on the dust collection filter.

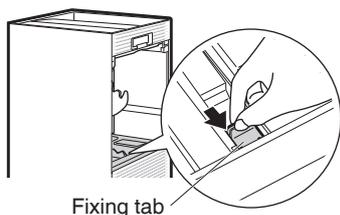


If hard to insert, change the orientation of the filter.

Dust from the carbon filter may turn the dust collection filter black, but it does not affect dust collection performance.

6. Attach the filter fixing unit.

Attach the filter fixing unit and slide the fixing tab to  side to lock.



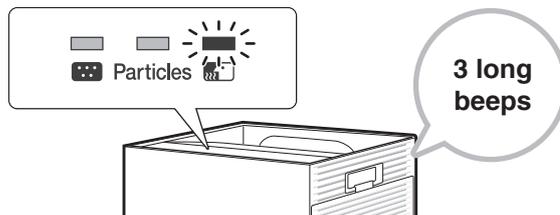
Attention

Be sure to lock the filter fixing unit. If the unit is operated without locking the filter fixing unit, abnormal noise may occur or the performance may deteriorate.

7. Attach the humidifying tray.

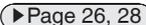
8. Install the water tank.

- To perform the Humidifying Operation, carry out **4 Preparing the water tank** before installing the water tank.
- When starting operation, if a notification tone sounds and the odor sensor lamp blinks, the carbon filter and the filter fixing unit are not properly installed. Re-install the carbon filter and the filter fixing unit.
- Do not touch the side lock part when installing the water tank.
(Fingers may get caught)



4 Preparing the water tank (for Humidifying Operation)

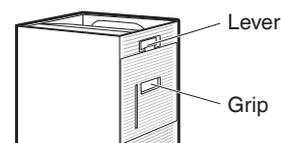
Attention

- Do not pour any of the following into the water tank.
 - Warm water (104°F (40°C) or above), aroma oil, chemical agents such as hypochlorous acid, unclean water, water containing aromatic substances or detergent, etc. (Deformation of the unit or malfunction may result)
 - Water from a water purifier, ionized alkaline water, mineral water, well-water etc. (Propagation of mold or bacteria may result)
- **As leaving any residual water in the humidifying tray will lead to bad odors and dirt build-up, be sure to discard any residual water in the humidifying tray once a day to perform the Humidifying Operation. Fill the water tank with water and check if it is clean and there is no water leaking from the tank.** If there is water leakage, bad odors or dirt build-up 
- Do not pour water directly into the humidifying tray.
- Make sure to close the water tank tightly before operation. (Dust may get inside the tank and cause water leakage)

When supplying water from above

1. Open the water tank.

Securely hold the grip on the water tank and slowly pull the tank toward you while pressing the lever.



Open to the position where it will be locked.



Preparation Before Operation

⚠ WARNING

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

2. Slowly pour water into the spout of the water tank with a jug.

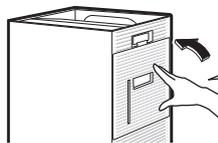


- Do not touch the lid of the water tank when fitting into the unit. (Fingers may get caught)
- Do not touch the side lock part when pouring water. (Water tank may fall)
- When supplying water from above, clean the water tank every day by shaking a small amount of water inside to perform the Humidifying Operation. ▶Page 27
- Do not pour water other than the spout. (Malfunction may result)
- Do not pour water beyond the full line inside the spout. (Water leakage may result)



Full line

3. Close the water tank



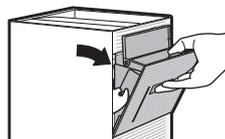
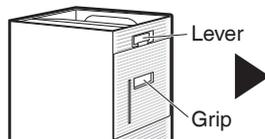
Press until a catching sound is heard

- Do not touch the side lock part when closing. (Fingers may get caught)

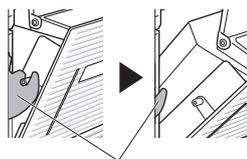
When supplying water in the water tank

1. Take out the water tank.

- ① Securely hold the grip on the water tank and slowly pull the tank toward you while pressing the lever.



- ② Take out the water tank by holding down the side lock part on the water tank with a finger to unlock.



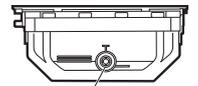
Side lock part

- When releasing the side lock part, be sure to support the water tank with your hand.

2. Fill the water tank with tap water.

- Perform in a place where spilling water will not cause a problem.
- Clean the water tank by shaking a small amount of water inside before filling up the water tank with water. For maintenance procedures refer to ▶Page 27

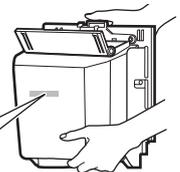
[Viewed from below]



Avoid touching the valve in the center. (Water in the water tank may leak)

- The water tank will weigh about 7.28lbs. (3.3kg) when filled up to the full line. Hold the water tank firmly with both hands when carrying.

Full line
When carrying, fill to here

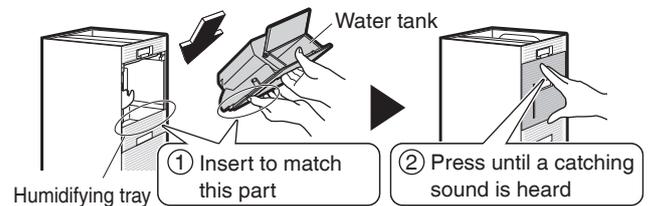


- Do not supply water beyond the full line of the water tank. (Water may spill when carrying the water tank or installing it into the unit)
- Since the top surface is not sealed, water will spill if the tank is tilted too much.
- If the water tank contains water, do not place it on the floor or carpet. (The valve in the center may be pushed and water may spill)

3. Install the water tank.

- Hold the grip and install the water tank in the unit by fitting it into the humidifying tray.

- Do not touch the side lock part when installing. (Fingers may get caught)



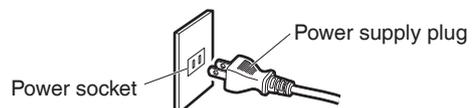
① Insert to match this part

② Press until a catching sound is heard

5. 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 minute (approx.) after the power supply plug is inserted.

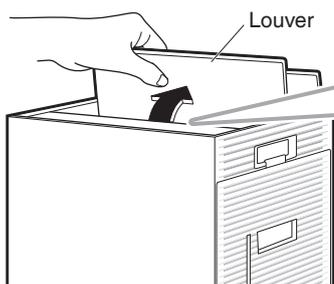
Insert the power supply plug when the air is clean (odor-free).



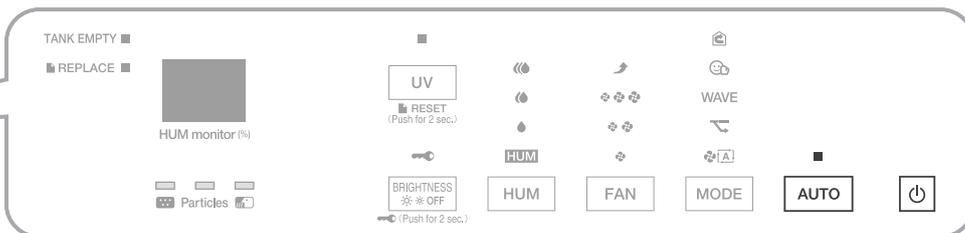
Operation

WARNING

Do not turn off the unit by removing the power supply plug during operation. (Fire due to overheating or electric shock may result)

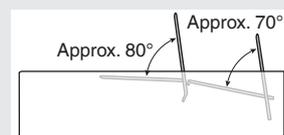


Please open the louver by hand before operation. (As the louver is hand-operated, it will not close automatically at operation end.)



If you want to change the airflow direction

Adjust the louver to the desired position. The louver can adjust the airflow in 4 directions.



When you want to let the unit decide the best operation mode (AUTO operation)

Fill the water tank with water. (▶Page 14, 15)

Attention

- Make sure that the humidifying filter unit is attached when performing this operation.
- Change the water in the humidifying tray and water tank every day.
- Be sure to use tap water for the water in the water tank.

Press **AUTO**.

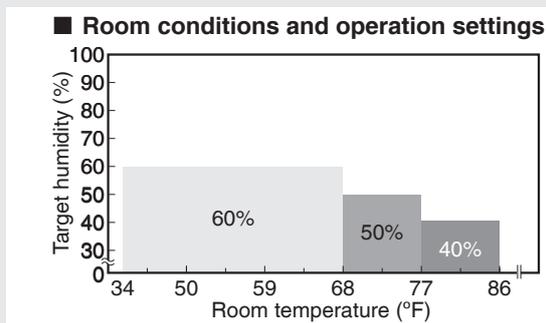
- Optimum operation will be performed according to the condition of the room.
- The AUTO operation lamp (white) lights up.
- If **AUTO** is pressed during AUTO operation, the lamp corresponding to the current operation mode will blink for about 5 seconds.

| Operation mode | MODE lamp | Humidity setting lamps | ECONO MODE lamp |
|-------------------------|-----------|----------------------------------------------|-----------------|
| Air Purifying Operation | AUTO FAN | — | — |
| Humidifying Operation | AUTO FAN | Either “ (Low)”, “ (Standard)”, or “ (High)” | — |
| Monitoring mode | — | — | Blinking |

About AUTO operation

The unit automatically switches between Air Purifying Operation and Humidifying Operation based on the indoor temperature and humidity conditions.

- The airflow rate is adjusted automatically. If the operating sound bothers you, the airflow rate range can be changed. (▶Page 21, 22)
- If the humidity is high, Air Purifying Operation will be carried out.
- If the air is clean and the set humidity has been reached (during Humidifying Operation) for about 5 minutes, the mode automatically switches to Monitoring mode. (▶Page 20)



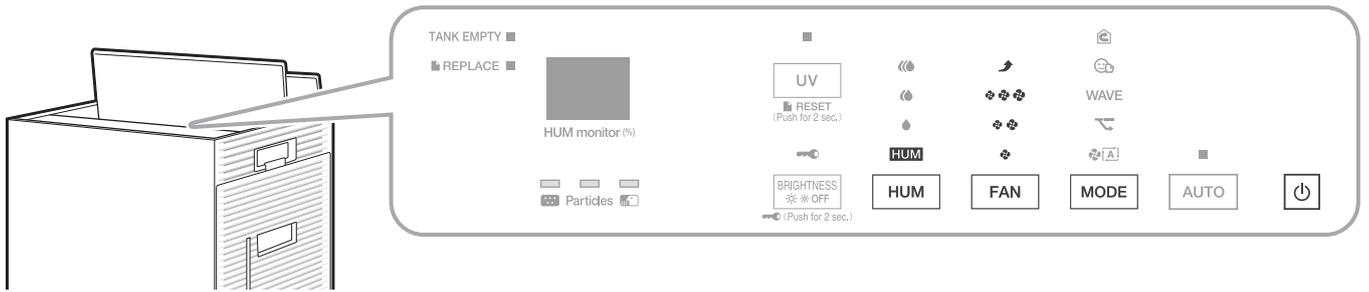
- Pressing during operation will cause operation to stop. After Humidifying Operation stops, humidifying filter drying operation may be performed automatically. (▶Page 18)
- If you want to stop humidifying filter drying operation, press again.

Note

- The humidifier lamp lights up during Humidifying Operation.
- The room temperature may drop during Humidifying Operation.
- Splashing sounds may be heard during Humidifying Operation, but this is not a malfunction. (▶Page 35)
- If the set humidity is reached or the water supply lamp lights up during Humidifying Operation, Humidifying Operation will stop, but Air Purifying Operation will continue.

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

Operation



Air Purifying Operation

Press  .

- Press again to turn OFF.
If Humidifying and Air Purifying Operation was running within the past 1 hour, humidifying filter drying operation may be performed. [▶Page 18](#)
If you want to stop humidifying filter drying operation, press  again.
- If AUTO operation was in progress last time, AUTO operation will be performed automatically, and press  or  if you want to perform only Air Purifying Operation.
- If Humidifying Operation was running previously, Humidifying Operation will start automatically, and press  until the humidifier lamp turns off if you want to perform only Air Purifying Operation.

Attention

When performing only Air Purifying Operation, discard the water in the water tank and humidifying tray.

Note

- At the time of purchase, the unit is set to carry out Air Purifying Operation in “AUTO FAN MODE”.
- If the power supply plug is unplugged, or the unit is stopped and started again, the operation that was in progress last time will start again.
- Operation settings cannot be changed for about 2 seconds immediately after the power supply plug is inserted.

Changing the Airflow Rate

Press  during operation to change the airflow rate.

- Each press cycles between the FAN lamps (white).



Quiet

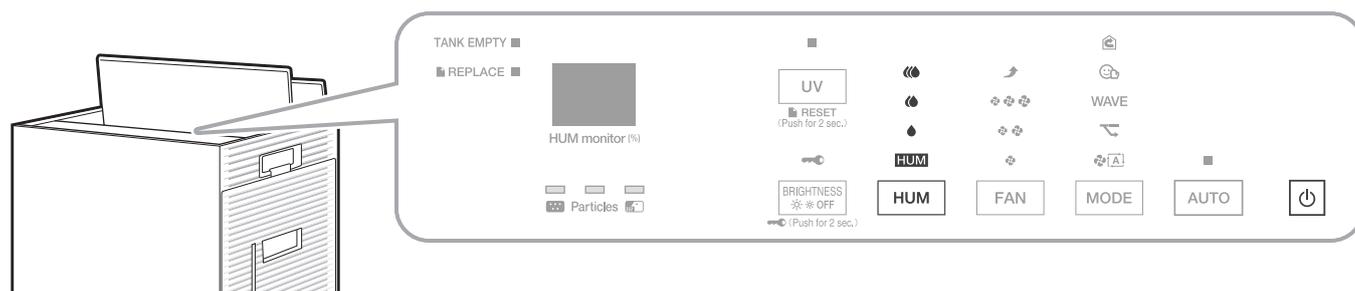
A gentle breeze is emitted. Recommended for use during sleep hours.

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.



Humidifying and Air Purifying Operation

Fill the water tank with water. (▶Page 14, 15)

1. Press .

2. Press  to switch the humidity setting.

- Each press cycles between the humidity setting lamps (white).



- Pressing  during operation will cause operation to stop. After operation stops, humidifying filter drying operation will start automatically.

-  **Low** Operation is carried out automatically with a humidity of 40% (*) as a rough estimate.
-  **Standard** Operation is carried out automatically with a humidity of 50% (*) as a rough estimate.
-  **High** Operation is carried out automatically with a humidity of 60% (*) as a rough estimate.

* Depending on the indoor and outdoor temperature and humidity, and the room conditions, the target humidity may be exceeded (or not reached). (▶Page 38)

Attention

- Make sure that the humidifying filter unit is attached when performing this operation.
- Change the water in the humidifying tray and water tank every day.
- Be sure to use tap water for the water in the water tank.
- **As leaving any residual water in the humidifying tray will lead to bad odors and dirt build-up, be sure to discard any residual water in the humidifying tray once a day to perform Humidifying Operation.**

- Perform during Humidifying Operation as well as Air Purifying Operation. (Humidification only operation cannot be performed.)
- Even if you have selected an airflow rate that suits your preferences, if the water supply lamp lights up, the airflow rate will change to “Quiet”. If you do not want the airflow rate to change to “Quiet”, change the setting. (▶Page 23, 24) (Depending on the degree of odor and dust, the airflow rate may not change to “Quiet”.)
- When Humidifying Operation is started with the airflow rate set to “Turbo”, “Turbo” airflow rate is suppressed for about 10 minutes. After that, the airflow rate changes to the set airflow rate, so the operating sound also changes.

About Humidifying Filter Drying Operation

Setting at the time of purchase: “ON”

After stopping Humidifying and Air Purifying Operation using , perform Air Purifying Operation with the airflow rate reduced for about 1 hour to dry the humidifying filters, shortening the period when the filters are left semi-damp and bacteria is likely to propagate.

- The humidifier lamp (white) slowly blinks.
- If Air Purifying Operation is performed for 1 hour or more after Humidifying and Air Purifying Operation, humidifying filter drying operation will not be performed.
- If you do not want to perform humidifying filter drying operation, change the setting. (▶Page 23, 24)
- If you want to stop humidifying filter drying operation while in progress, press .
- If you press ,  or  during humidifying filter drying operation, humidifying filter drying operation will end and the airflow rate and mode will be set according to the button pressed, or AUTO operation will be performed.
- When humidifying filter drying operation starts, UV rays stop being emitted. (▶Page 19)

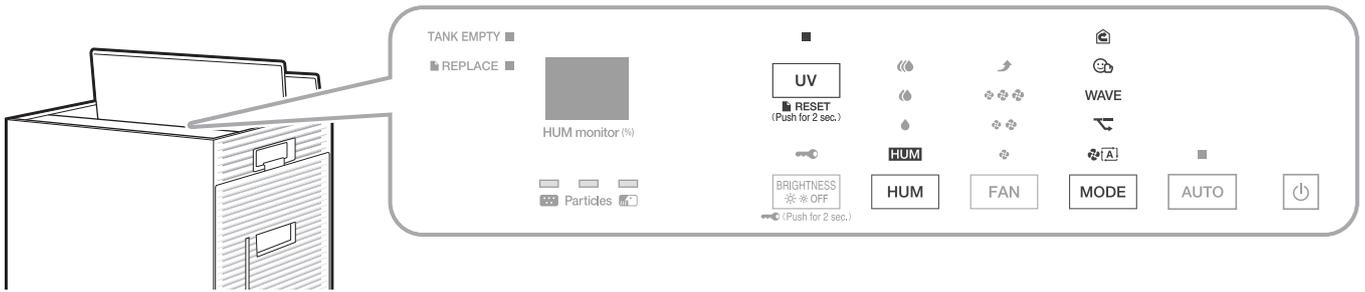
Note

- No steam (vapor) or fog can be seen.
- The room temperature may drop during Humidifying Operation.
- Splashing sounds may be heard during Humidifying Operation, but this is not a malfunction. (▶Page 35)
- If the set humidity is reached or the water supply lamp lights up during Humidifying Operation, Humidifying Operation will stop, but Air Purifying Operation will continue.

WARNING

Do not operate with the filter fixing unit, carbon filter, dust collection filter and other components removed. (Deep ultraviolet leakage may harm your eyes and skin)

Operation



UV ON/OFF

The unit can be set to emit UV rays either automatically or manually during AUTO operation, Air Purifying Operation, Humidifying and Air Purifying Operation, or mode operation.

AUTO UV

UV rays are emitted automatically.

- When operation is turned “ON”, the dust collection filter on the inside of the unit is exposed to UV rays (for about 30 minutes). If operation is continued in that state, after being emitted for 30 minutes, UV rays stop being emitted, then start again about 90 minutes later, and the cycle repeats.
- The UV ON/OFF lamp (white) lights up during the emission of UV rays.
- During humidifying filter drying operation, UV rays are not emitted.

Hand-operated UV

UV rays are emitted manually.

Press **UV**.

- UV rays are emitted (for about 30 minutes).
- The UV ON/OFF lamp (white) lights up during the emission of UV rays.
- If **UV** 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. 30 minutes) every 90 minutes (approx.) after the UV emission is stopped. (The setting returns to AUTO UV.)
- When operation is stopped, or when humidifying filter drying operation is being performed, UV rays are not emitted.

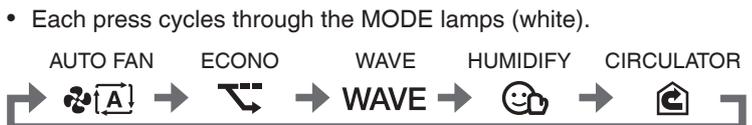
Note

- Depending on the usage time, the length of time UV rays are emitted during each 1 emission will be extended up to 150 minutes.
- When the indoor temperature is high, to protect the UV unit, the emission of UV rays stops even though the UV ON/OFF lamp remains lit.

Operating MODEs

Optimal operation is performed by selecting the mode that suits the application. The airflow rate is adjusted automatically when the unit is operated in a mode.

Press **MODE** during operation.

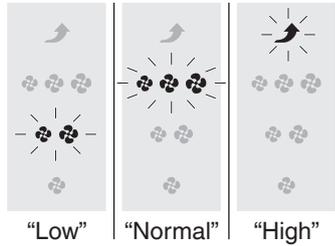
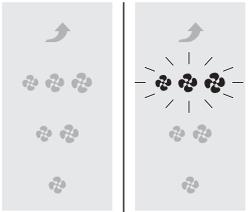


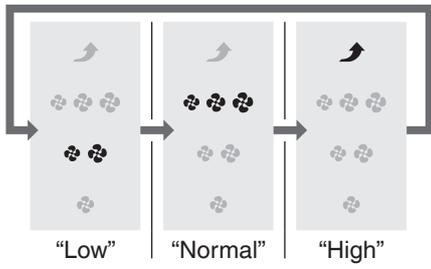
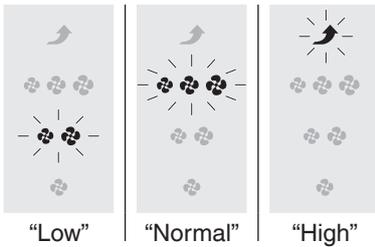
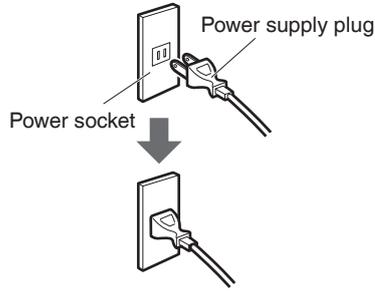
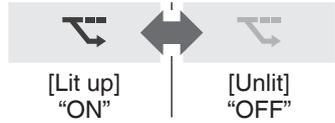
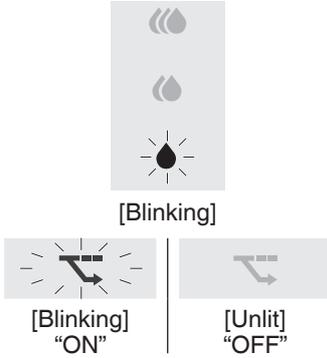
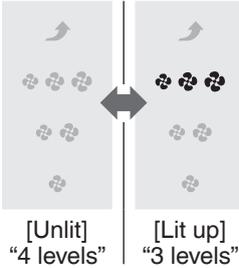
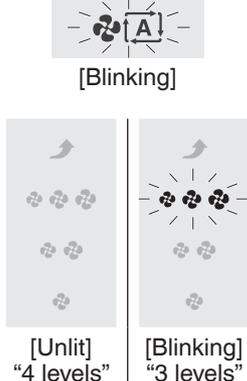
Note

- If you select “HUMIDIFY MODE”, Humidifying Operation will be “On”.
- Even if you select a mode other than “HUMIDIFY MODE”, if you stay in “HUMIDIFY MODE” for about 3 seconds or more while switching between modes, Humidifying Operation will be “On”.
- If **HUM** is pressed during AUTO operation and HUMIDIFY MODE, Humidifying Operation will continue to be “On” and AUTO FAN MODE will be set.

| MODE | Usage and Function | | | | | | | | | | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|----|-----|----|-----|----|-----|----|-----|
| <p>AUTO FAN</p> | <p>When you want to adjust the airflow rate automatically</p> <p>The airflow rate is automatically adjusted (between “Quiet”, “Low”, “Standard” and “High**”) according to the degree of air impurity and humidity (during Humidifying Operation). The air purifying capacity improves as the airflow rate increases.</p> <p>If the operating sound bothers you, the airflow rate range can be changed. (▶Page 21, 22)</p> <p>* The maximum airflow rate during AUTO FAN MODE operation is “High”, which has a lower airflow rate than “Turbo”.</p> <ul style="list-style-type: none"> You can change the humidity with <input type="text" value="HUM"/>. The degree of impurity in the air is judged based on the amount of dust and the strength of odor. | | | | | | | | | | |
| <p>ECONO</p> | <p>When you want to save on electricity bills</p> <p>In the power saving mode in ECONO MODE, the airflow rate is automatically switched only between “Quiet” and “Low” to reduce power consumption and operating sound.</p> <p>If the air is clean and the set humidity has been reached (during Humidifying Operation) for about 5 minutes, the mode switches to Monitoring mode, during which the fan starts and stops periodically. This operation mode is recommended during sleep hours.</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="327 831 635 1025" style="border: 1px solid black; padding: 5px;"> <p>Power saving mode</p> <p>The unit operates automatically with an airflow rate of “Quiet” and “Low”.</p> </div> <div data-bbox="646 831 938 1064" style="text-align: center;"> <p>If the air is clean and the set humidity has been reached for about 5 minutes...</p> <p>When dust, odor, or a drop in humidity is detected...</p> </div> <div data-bbox="949 831 1433 1025" style="border: 1px solid black; padding: 5px;"> <p>Monitoring mode</p> <ul style="list-style-type: none"> The fan starts and stops periodically, and dust, odor and humidity is checked. Turn “Off” the following functions to further reduce power consumption. <p>Humidification OFF (*1)</p> </div> </div> <p style="text-align: right; font-size: small;">*1 The humidifier lamp remains lit.</p> <ul style="list-style-type: none"> Air purification and humidification capacity will be reduced as only “Quiet” and “Low” operation are used. Since the air in the room is not drawn in while the fan is stopped, the sensitivity of the dust/particle sensor, odor sensor, and humidity sensor will decrease. If you do not want the sensitivity of the sensors to be reduced, set Monitoring mode to “OFF”. (▶Page 21, 22) When UV rays are being emitted, the mode cannot be changed to Monitoring mode. You can change the humidity with <input type="text" value="HUM"/>. | | | | | | | | | | |
| <p>WAVE</p> | <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> <ul style="list-style-type: none"> You can change the humidity with <input type="text" value="HUM"/>. | | | | | | | | | | |
| <p>HUMIDIFY</p> | <p>Increasing comfort by humidifying the air in dry environments</p> <p>Humidity is automatically adjusted to keep humidity in the comfortable range.</p> <p>If the operating sound bothers you, the airflow rate range can be changed. (▶Page 21, 22)</p> <ul style="list-style-type: none"> As humidity is kept relatively high, if the temperature difference between outdoors and indoors is large, condensation may result. FAN setting is adjusted automatically. Airflow cannot be adjusted manually. Humidity setting is set automatically. Target humidity cannot be changed. If <input type="text" value="HUM"/> is pressed when HUMIDIFY MODE is active, HUMIDIFY MODE stops and AUTO FAN MODE is activated. <div data-bbox="909 1579 1404 1892" style="border: 1px solid black; padding: 5px;"> <p>Room conditions and target humidity</p> <table border="1" style="font-size: small;"> <caption>Room conditions and target humidity</caption> <thead> <tr> <th>Room temperature (°F)</th> <th>Target humidity (%)</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>70%</td> </tr> <tr> <td>68</td> <td>60%</td> </tr> <tr> <td>77</td> <td>50%</td> </tr> <tr> <td>86</td> <td>40%</td> </tr> </tbody> </table> </div> | Room temperature (°F) | Target humidity (%) | 50 | 70% | 68 | 60% | 77 | 50% | 86 | 40% |
| Room temperature (°F) | Target humidity (%) | | | | | | | | | | |
| 50 | 70% | | | | | | | | | | |
| 68 | 60% | | | | | | | | | | |
| 77 | 50% | | | | | | | | | | |
| 86 | 40% | | | | | | | | | | |
| <p>CIRCULATOR</p> | <p>When you want to circulate the air in the room</p> <p>The air in the room is kept clean and local variations in temperature are suppressed. It is even more effective if the unit is installed opposite an air conditioner.</p> <p>The airflow rate is “High” for about 30 minutes after operation start, in order to circulate the air in the room. After that, any temperature change around the unit is detected, and the airflow rate is automatically adjusted. (There is no temperature adjustment function.)</p> <ul style="list-style-type: none"> If the indoor temperature is low, the airflow rate may not be “High”. (To suppress any feelings of coldness caused by air currents) | | | | | | | | | | |

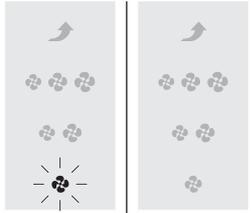
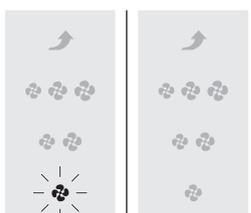
Changing the setting

| 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 set to “Low/Normal/High”.</p> <ul style="list-style-type: none"> • “Low” makes the sensor less responsive, and “High” makes the sensor more responsive. | <p>Operation can be performed either during operation or while operation is stopped.</p> <p>Press  for about 5 seconds, and when a short beep sounds, press FAN while continuing to hold down .</p> <p>When a short beep sounds, release  and FAN</p> | <p>According to the current setting, the FAN lamp will turn from blinking to lit up.</p>  <p>“Low” “Normal” “High”</p> |
| <p>Monitoring mode within AUTO Operation and ECONO MODE (ON/OFF) Setting at the time of purchase: ON</p> <p>The sensitivity of the sensors decrease while the fan is stopped during Monitoring mode. If you do not want the sensitivity of the sensors to be decreased, set to “OFF”.</p> <ul style="list-style-type: none"> • When set to “OFF”, Monitoring mode will not be performed. | <p>Operation can be performed either during operation or while operation is stopped.</p> <p>Press  for about 5 seconds, and when a short beep sounds, press MODE while continuing to hold down .</p> <p>When a short beep sounds, release  and MODE</p> | <p>The humidity setting lamps (Low) blinks, then lights up.</p>  <p>[Blinking → Lit up]</p> <p>According to the current setting, the ECONO MODE lamp will be displayed as follows.</p>  <p>[Blinking → Lit up] “ON” [Unlit] “OFF”</p> |
| <p>Airflow rate range for AUTO FAN (4 levels/3 levels) Setting at the time of purchase: 4 levels</p> <p>If you are concerned about the operation noise during AUTO FAN MODE/HUMIDIFY MODE/AUTO Operation, 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>Press MODE for about 5 seconds, and when a short beep sounds, press BRIGHTNESS while continuing to hold down MODE.</p> <p>When a short beep sounds, release MODE and BRIGHTNESS</p> | <p>The AUTO FAN MODE lamp blinks, then lights up.</p>  <p>[Blinking → Lit up]</p> <p>According to the current setting, the FAN lamp will be displayed as follows.</p>  <p>[Unlit] “4 levels” [Blinking → Lit up] “3 levels”</p> |

| 2 | 3 | 4 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Press  to change the setting*</p> <p>Each press cycles between “Low”, “Normal” and “High”.</p>  <p>“Low” “Normal” “High”</p> | <p>Press </p> <p>A short beep sounds, and the set FAN lamp will blink.</p>  <p>“Low” “Normal” “High”</p> | <p>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.</p>  <ul style="list-style-type: none"> • If this procedure is not performed, the unit will not return to regular operation mode. • The settings will be remembered even if the power supply plug is removed. |
| <p>Press  to change the setting*</p> <p>Each press cycles between “ON” and “OFF”.</p>  <p>[Lit up] “ON” [Unlit] “OFF”</p> | <p>Press </p> <p>A short beep sounds, the Humidity setting lamps (Low) blinks, and the ECONO MODE lamp changes to the following display according to the setting.</p>  <p>[Blinking]</p> <p>[Blinking] “ON” [Unlit] “OFF”</p> | |
| <p>Press  to change the setting*</p> <p>The airflow rate switches between “4 levels” and “3 levels” with each press.</p>  <p>[Unlit] “4 levels” [Lit up] “3 levels”</p> | <p>Press </p> <p>A short beep sounds, the AUTO FAN MODE lamp blinks, and the FAN lamp changes to the following display according to the setting.</p>  <p>[Blinking]</p> <p>[Unlit] “4 levels” [Blinking] “3 levels”</p> | |

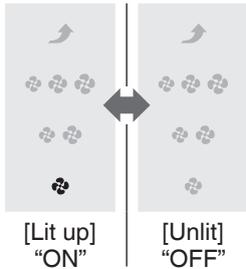
* If the lamps do not change even after the settings were changed, unplug the unit, wait at least 5 seconds, then re-insert the power supply plug and repeat the above procedure from the beginning.

Changing the setting

| Function | 1 | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Humidifying Filter Drying Operation (ON/OFF) Setting at the time of purchase: ON</p> <p>Humidifying filter drying operation is automatically started when operation is stopped after Humidifying Operation is performed in AUTO Operation, MODE operation, or Humidifying and Air Purifying Operation. (This shortens the period when the humidifying filters are left semi-damp and bacteria is likely to propagate.)</p> <ul style="list-style-type: none"> When set to "OFF", Humidifying Filter Drying Operation will not be performed. | <p>Operation can be performed either during operation or while operation is stopped.</p> <p>Press MODE for about 5 seconds, and when a short beep sounds, press HUM while continuing to hold down MODE. When a short beep sounds, release MODE and HUM</p> | <p>The humidifier lamp blinks, then lights up.</p>  <p>[Blinking → Lit up]</p> <p>According to the current setting, the FAN lamp will be displayed as follows.</p>  <p>[Blinking → Lit up] "ON" [Unlit] "OFF"</p> |
| <p>Airflow rate set to "Quiet" when water supply lamp is lit (ON/OFF) Setting at the time of purchase: ON</p> <p>If you do not want the airflow rate set to "Quiet" when the water supply lamp is lit, set it to "OFF".</p> | <p>Operation can be performed either during operation or while operation is stopped.</p> <p>Press power for about 5 seconds, and when a short beep sounds, press UV while continuing to hold down power. When a short beep sounds, release power and UV</p> | <p>The water supply lamp blinks, then lights up.</p>  <p>[Blinking → Lit up]</p> <p>According to the current setting, the FAN lamp will be displayed as follows.</p>  <p>[Blinking → Lit up] "ON" [Unlit] "OFF"</p> |
| <p>Notification tone when water supply lamp is lit (ON/OFF) Setting at the time of purchase: ON</p> <p>If the notification tone emitted when the water supply lamp is lit bothers you, set it to "OFF".</p> <ul style="list-style-type: none"> This is a useful function during sleep hours. The error notification alarm cannot be turned off. | <p>Press HUM for about 3 seconds while operation is stopped</p> | <p>Each time HUM is pressed for about 3 seconds, the setting changes.</p>  <p>[Lit up] "ON" [Blinking] "OFF"</p> |

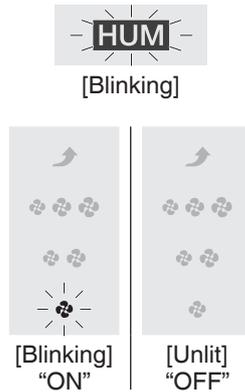
2

Press **MODE** to change the setting*
Each press cycles between "ON" and "OFF".



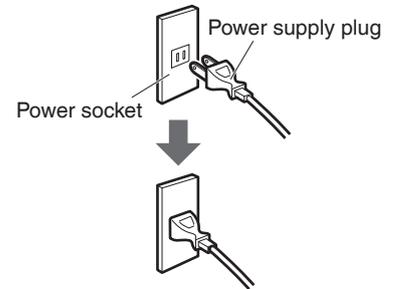
3

Press **HUM**
A short beep sounds, the humidifier lamp blinks, and the FAN lamp changes to the following display according to the setting.



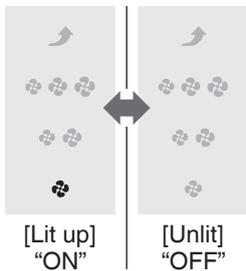
4

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.

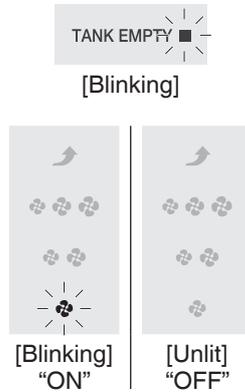


- If this procedure is not performed, the unit will not return to regular operation mode.
- The settings will be remembered even if the power supply plug is removed.

Press **Power** to change the setting*
Each press cycles between "ON" and "OFF".



Press **UV**
A short beep sounds, the water supply lamp blinks, and the FAN lamp changes to the following display according to the setting.



The setting is complete when it blinks or lights up for about 5 seconds and then turns off.

- If the power supply plug is removed after setting notification tones to "OFF", notification tones return to "ON". Set again if necessary.

* 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.

⚠ WARNING

- Be sure to stop operation and unplug the power supply plug before performing maintenance. (An electric shock or injury may result)
- Do not use gasoline, benzine, thinner, polishing powder, paraffin, alcohol, etc. (Cracking, electric shock, and ignition of fire may result)
- Do not wash the unit with water. (An electric shock and fire or malfunctioning may result)

Maintenance

Maintenance Quick Reference Table

Refer to the respective reference pages for details on removing and attaching components during cleaning/maintenance.

Unit

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)

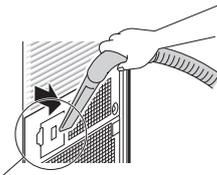
Dust/Particle sensor

If dust builds up

Vacuum cleaner

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

- ① Remove the hook and pull toward you

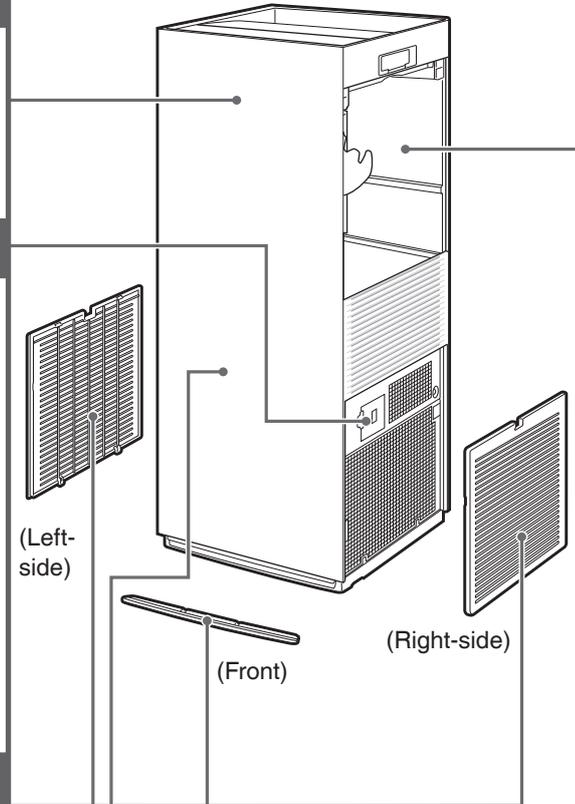


Air intake for the sensor

About 1 time every 3 months

Wipe

- ① Remove the pre-filter (right-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)

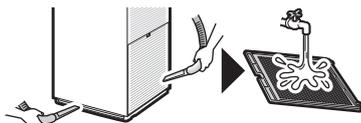


Pre-filter (front, left-side, right-side)

About 1 time every 2 weeks

Vacuum cleaner

Wash with water

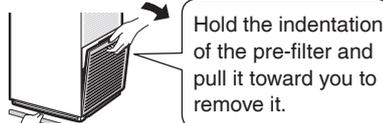


- After removing any dust using a vacuum cleaner, remove and wash the filter with water, then dry thoroughly in the shade.
- Use a soft brush to clean the spaces between the slats.

Attention

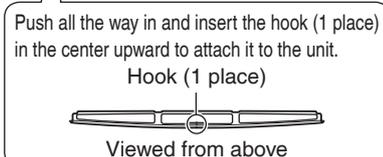
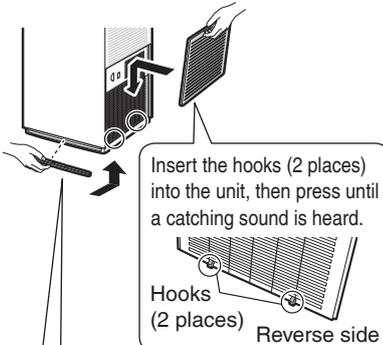
- **Do not use a cotton swab or hard brush.** (Partial damage to the filter may result)
- Do not apply too much force. (Partial damage to the filter and scratching may result)
- If dirt buildup is severe, leave the part soaking in lukewarm or room temperature water mixed with kitchen-use neutral detergent,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

How to remove



- ① Hold down the upper center of the pre-filter with a finger to release the hooks.
- ② Pull it toward you to remove it.

How to attach

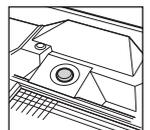


UV unit (inside)

The UV unit cannot be cleaned.*

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

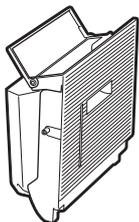
* Cleaning is not required, but if dirt becomes an issue, it can be replaced. Contact your dealer or the customer service center.



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. (Scratching may result)
- Do not apply deodorizing spray or other types of spray to the unit, or use near the unit. (Malfunction may result)

Water tank For details on maintenance, refer to ▶Page 27



Inside the water tank

Every day for Humidifying Operation

Wash with water

Water tank surface

If dirt on the surface becomes an issue

Wipe

Humidifying filter unit For details on maintenance and removal/attachment, refer to ▶Page 28, 29



About every 1 week

Soak

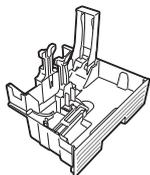
About every 1 month or when smell, dirt, or water scales (white and brown) become an issue

Soak in citric acid or lemon juice

Replace

▶Page 30

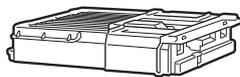
Humidifying tray For details on maintenance and removal/attachment, refer to ▶Page 28



About 1 time every 3 days, or if odor and dirt are still an issue

Wash with water

Filter fixing unit ▶Page 14

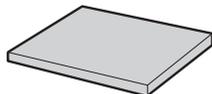


If dirt becomes an issue

Vacuum cleaner

- Remove, then vacuum away dust using a vacuum cleaner.
- The filter fixing unit functions as a safety switch, meaning that UV rays cannot be emitted if the filter fixing unit is removed. After maintenance, be sure to attach the filter fixing unit again before operating.

Carbon filter For details on removal and attachment, refer to ▶Page 13, 14 **Cannot be washed with water**



If dirt becomes an issue

Vacuum cleaner

- Remove, then vacuum away dust using a vacuum cleaner.
- If odor becomes a problem, expose to airflow in a shady place. (Approximately 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 34

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

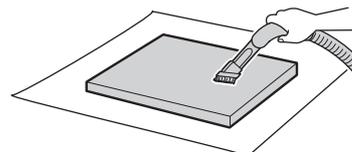
If odor becomes an issue

Expose to airflow in a shady place

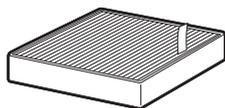
About purchase and disposal

- Refer to "Replacement Parts". ▶Page 40

The surface may appear partially white, but there is no problem with deodorizing performance and use. Because dust from the carbon filter may make your hands dirty, wear gloves.



Dust collection filter **Cannot be washed with water** **Do not vacuum**



If the filter replacement lamp blinks

Replacement

▶Page 31

- Please consider replacing the carbon filter at the same time.

Maintenance

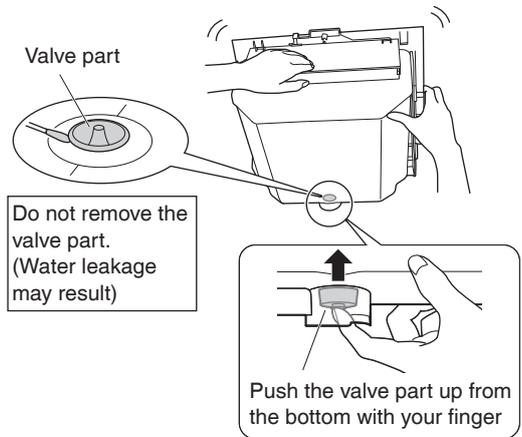
Water tank ▶Page 15

Inside the water tank

Every day for Humidifying Operation

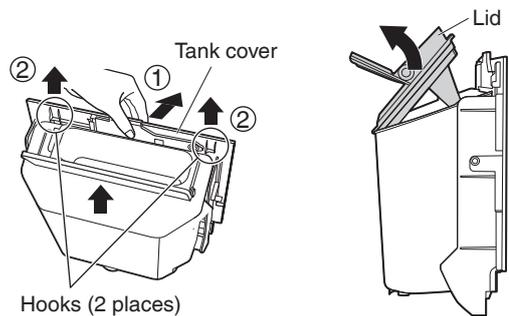
Wash with water

- Clean the water tank by shaking a small amount of water inside with the lid of the water tank closed. After cleaning, open the lid of the water tank and discard the water.
- For areas with water scales, remove the water scales with a soft cloth or brush or cotton swab soaked in lukewarm or room temperature water in which citric acid has been dissolved. (From the bottom of the water tank, push the valve part up and check the gap around the valve, too) Finally, rinse with water.
- If dirt is difficult to remove, clean with a soft brush or diluted kitchen-use neutral detergent and thoroughly rinse off the detergent so that no detergent remains.
- From the bottom of the water tank, push the valve part up and check that the valve moves smoothly.
- If dust is caught in the valve part inside the water tank, wipe it off with a cotton swab. After filling the water tank with water, wait for a while (about 30 seconds) and check that there is no water leakage from the bottom of the tank. (Water leakage may result if dust is caught)
- The inside of the water tank can be cleaned by removing the lid. Be sure to attach the lid to the water tank with the rubber packing attached. (If the water tank is attached to the unit without the lid attached, it may close vigorously and pinch your fingers)



■ How to remove the lid

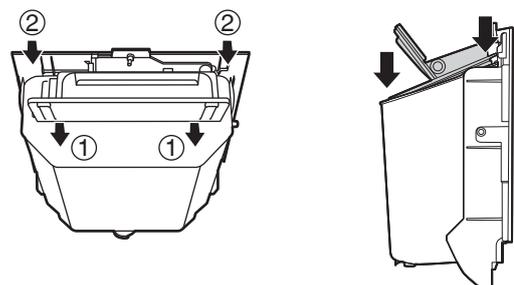
- ① Push the tank cover to bend it.
- ② Lift the back of the lid and remove the hooks.



■ How to attach the lid

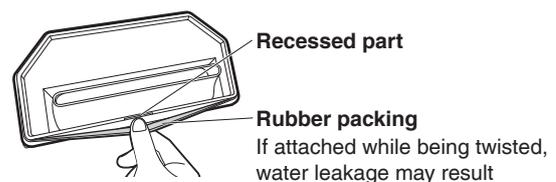
- ① Push the front of the lid. (2 places)
- ② Push the back of the lid (2 places) and secure it to the hooks.

Make sure the lid of the water tank is securely attached. (A situation may result where the water tank cannot be attached to the unit, or water leakage may result)



■ How to remove the rubber packing

- Remove the rubber packing from the recess on the back side of the lid.
- Attach in the reverse order.



Water tank surface If dirt on the surface 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, and then thoroughly rinse off the detergent so that no detergent remains.

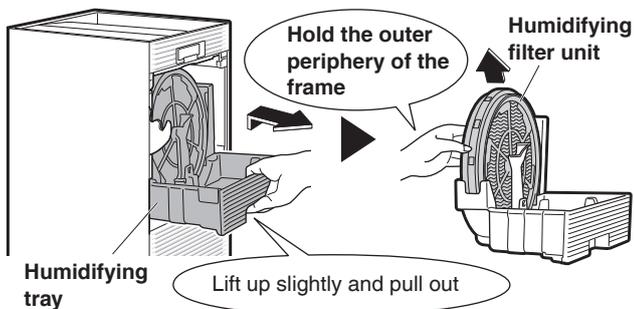


! WARNING

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

How to remove the humidifying tray and humidifying filter unit

1. Remove the water tank. ▶Page 15
2. Pull out the humidifying tray and remove humidifying filter unit.

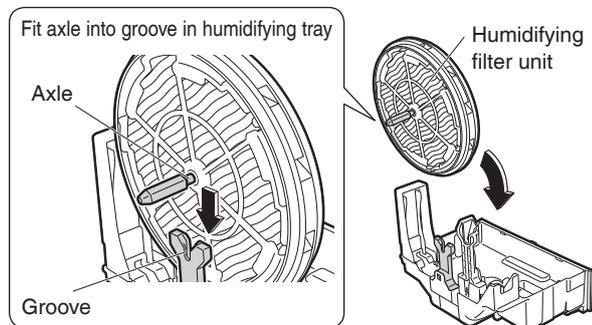


- If there is water inside, the water surface may shake and spill, so pull it out slowly.
- Hold the bottom of the humidifying tray when carrying.

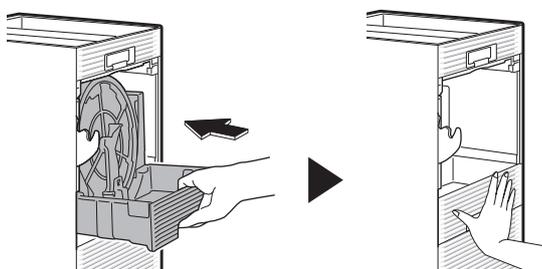
How to attach the humidifying tray and humidifying filter unit

1. Attach the humidifying tray and humidifying filter unit.

① Attach the humidifying filter unit



② Push the humidifying tray all the way in



- If the humidifying filter unit is not properly attached to the humidifying tray, the humidifying tray cannot be attached to the unit.

Attention

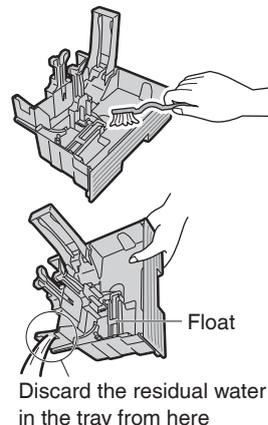
After attaching the humidifying tray to the unit, do not forcibly rotate the humidifying filter unit. Malfunction may result.

2. Install the water tank. ▶Page 15

Humidifying tray Wash with water

Wash with water about 1 time every 3 days, or if odor and dirt are still an issue.

- Use a soft cloth, brush, or cotton swab to clean hard-to-reach places.
- For areas with water scales, remove the water scales with a soft cloth or brush or cotton swab soaked in lukewarm or room temperature water in which citric acid has been dissolved. (Lift up the float and check that there are no water scales under the float) Finally, rinse with water.
- Citric acid may be purchased at a pharmacy or drug store.

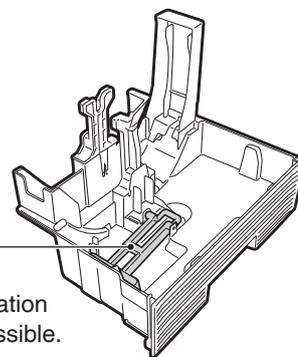


Note

- Depending on water quality and the usage environment, water in the humidifying tray may become discolored due to water scales etc. Clean it also in such cases.
- Make sure that the float is not stuck in water scales. (Water leakage may result if the float is stuck)

Attention

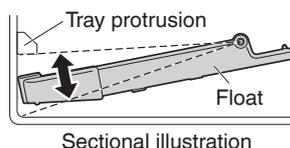
- Float**
- **Do not remove.** Humidifying Operation will become impossible.



If the float is detached from the tray

Insert the axle into the hole of the tray

- Make sure the float is placed below the tray protrusion.



Sectional illustration

- Pour water into the tray and check that the float rises.
- After checking, be sure to discard the water, then attach the humidifying tray to the unit.

Maintenance

When dirty, the humidifying tray and humidifying filters may emit bad odors. Be sure to clean them periodically.

Humidifying Filter Unit Soak

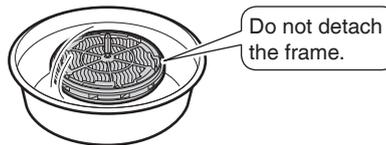
If water scales are not removed and the unit continues to be operated, reduced humidifying capacity and water leakage may result.

Attention

Dirt buildup varies by the usage environment of the humidifying filters. It is recommended that you clean the parts if you notice an odor from the air outlet or a reduction in humidifying capacity (water usage rate).

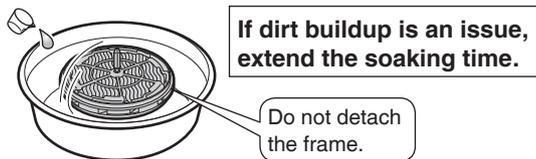
About every 1 week

Clean by soaking in lukewarm (about 104°F (40°C) or less) or room temperature water.



About every 1 month or when smell, dirt, or water scales (white and brown) become an issue

Soak in lukewarm (about 104°F (40°C) or less) or room temperature water mixed with citric acid or lemon juice for about 2 hours. After soaking, rinse with water.



Usage quantities for citric acid:
 approx. 20g of citric acid (2 tablespoons) in 3L of water

- Citric acid may be purchased at a pharmacy, drug store or super market.

Usage quantities for lemon juice:
 1/4 cup of lemon juice per 3 cups of water

- Bottled 100% lemon juice can be used. Use only 100% lemon juice with no pulp (strain juice if necessary).
- If you squeeze a lemon, make sure there are no pieces of peel or pips.

Soak in lukewarm (about 104°F (40°C) or less) or room temperature water for an additional 1 hour. Also, there is a possibility that odor may be coming from the carbon filter, so try following the instructions on ▶Page 26 regarding carbon filter maintenance.

- When areas with dirt become an issue, clean by scrubbing gently with a soft sponge or cotton bud.

Precautions when cleaning humidifying filter unit

- Do not apply force when cleaning the humidifying filter unit. (Deformation may result)
- Clean by scrubbing gently with a soft sponge.
- Do not use a brush or scrub forcibly.
- To prevent bad odors and discoloration, be sure to thoroughly rinse off the parts with clean water. (Even if discoloration results, it is not a problem for use.)
- The parts can be used even if still wet after cleaning.
- If not to be used for a prolonged period, leave the parts in a shaded area to dry off thoroughly, then attach.

When odors or dirt are hard to remove

If the odor cannot be removed even after cleaning with citric acid, perform maintenance following the instructions below.

- Soak the parts for about 30 to 60 minutes in lukewarm (about 104°F (40°C) or less) or room temperature water mixed with kitchen-use neutral detergent or baking soda. After soaking, rinse with water.

Kitchen-use neutral detergent



Usage quantity:
 The quantity indicated in the directions on the detergent

Baking soda

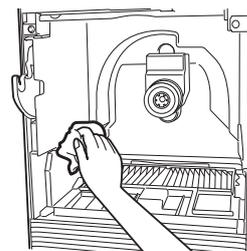


Usage quantity:
 2 tablespoons of baking soda in 1L of water

- Clean the frame of the humidifying filter unit with a soft cloth, brush, or cotton bud. (For details on removal/attachment of the humidifying filter unit frame, refer to ▶Page 30.)

When dirt inside the unit is an issue

When the water tank is removed, you may find that the inside of the unit is stained white. These are water scales caused by dirt in the water which adhered when the water vaporised, and they are not a problem. If the stains are an issue, they can be removed.



- Wipe up dirt with a soft damp cloth.
- When dirt buildup is severe, wipe up the dirt with a cloth which has been moistened with kitchen-use neutral detergent.
- Do not use a hard brush etc. (Damage may result)

⚠ WARNING

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

Humidifying filters Replacement

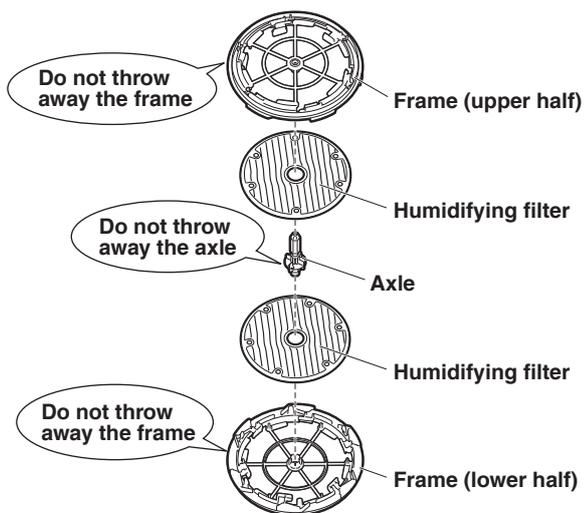
About replacement timing

- Replacement timing depends on usage patterns and the location of the unit.
Replace the humidifying filters if dirt/stains cannot be removed or there is a reduction in humidifying capacity (water usage rate).

About purchase and disposal

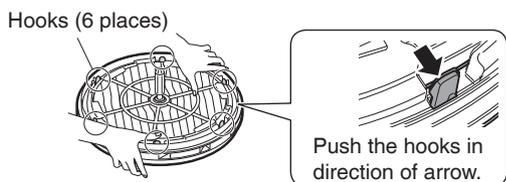
- Refer to "Replacement Parts". ▶Page 40

Figure with humidifying filter unit disassembled

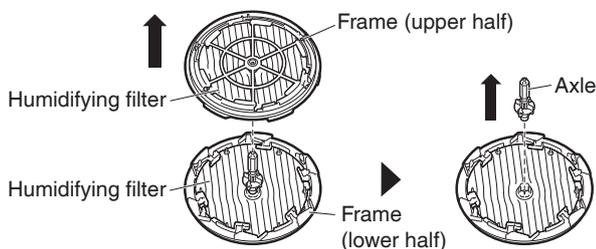


1. Remove the frame and axle.

- ① Disengage the hooks (6 places) on the frame.

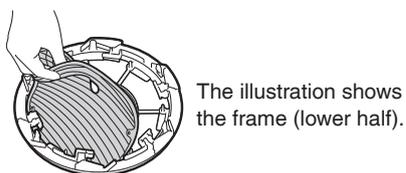


- ② Remove the frame (upper half) and pull out the axle from the frame (lower half).



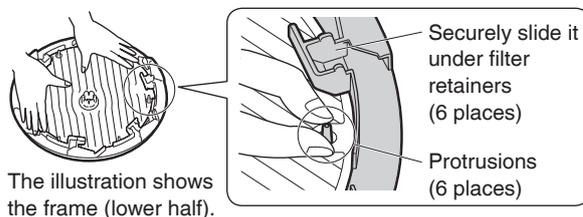
2. Remove the humidifying filters.

- Remove the humidifying filter from each frame.



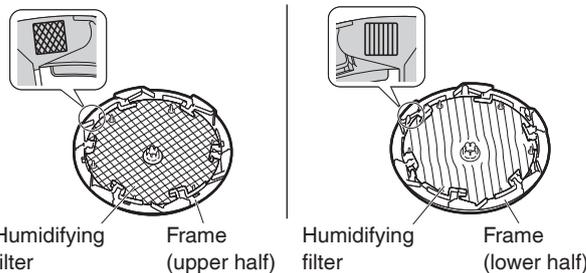
3. Attach the new humidifying filters to each frame. (The humidifying filters have front and back.)

- Align the protrusions (6 places) on each frame with the holes (6 places) in the humidifying filter. (Water leakage may result if not correctly attached.)



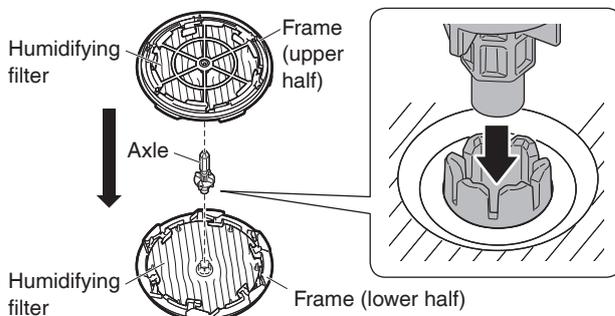
Combination of frame and filter

- Attach them so that the engraved pattern on the frame matches the pattern on the humidifying filter.

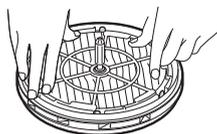


4. Attach the frame and axle.

- ① Attach them by aligning the grooves in the frame (upper half and lower half) with the notches in the axle.



- ② Engage the hooks (6 places) on the frame and push until a catching sound is heard.



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

Maintenance

Dust collection filter Replacement

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 **UV** 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 40

Note

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

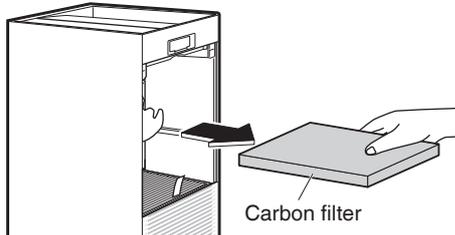
1. Remove the water tank. ▶Page 15

2. Remove the humidifying tray. ▶Page 13

3. Remove the filter fixing unit. ▶Page 14

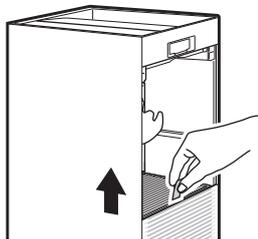
4. Remove the carbon filter.

Hold the side of the filter and remove it.

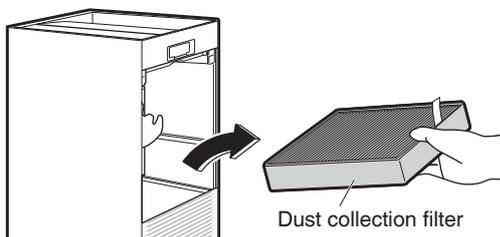


5. Remove the dust collection filter.

① Lift the tag up.

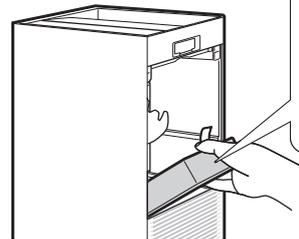


② Hold the bottom of the dust collection filter and pull it out.



6. Attach a new dust collection filter.

- If it is difficult to attach, hold down the dust collection filter while attaching.



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



7. Attach the carbon filter. ▶Page 14

8. Attach the filter fixing unit. ▶Page 14

9. Attach the humidifying tray. ▶Page 28

10. Install the water tank. ▶Page 15

When Not Using the Unit for a Prolonged Period

- 1. Remove the power supply plug.**
- 2. Discard any residual water in the water tank and humidifying tray and then clean the components.** ▶Page 26-29
- 3. Leave internal components in a shaded area to dry off.**
 - In particular, components cleaned with water should be completely dry.
(Mold may result from remaining moisture)
- 4. 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 may result from storing the unit upside down or horizontally)

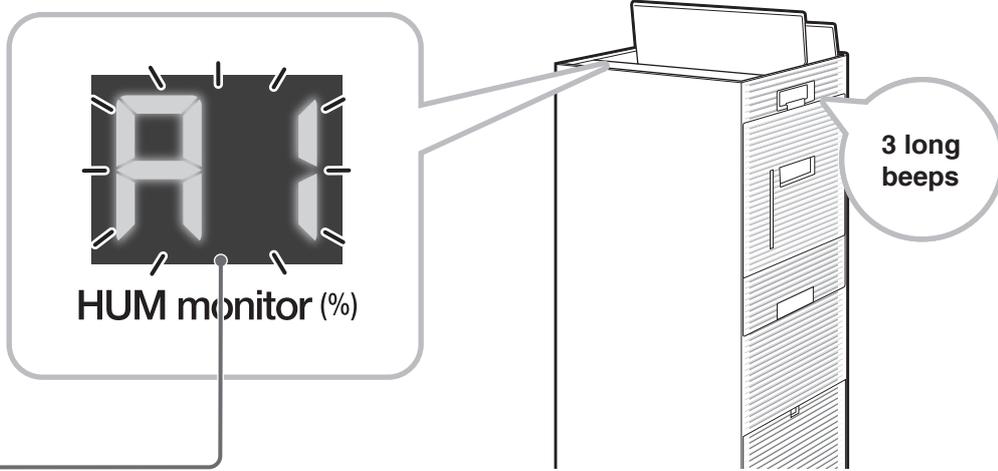
When not using Humidifying Operation (off-season, etc.)

- 1. Remove the power supply plug.**
- 2. Discard any residual water in the water tank and humidifying tray and then clean the components.** ▶Page 26-29
- 3. Leave internal components in a shaded area to dry off.**
 - In particular, components cleaned with water should be completely dry.
(Mold may result from remaining moisture)

If you want to perform Air Purifying Operation only, insert the power supply plug into the power socket and operate.

States of the HUM Monitor Lamp and Their Meanings

If the HUM monitor lamp blinks and an error code appears, unplug the power supply plug, wait at least 5 seconds, and then reinsert the power supply plug and operate. If an error code still appears, handle it by following the setting procedure.



| Error code | Cause/Solution | |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A1 | An electrical component is malfunctioning. → Contact your dealer or the customer service center. | |
| E9 | The temperature sensor is malfunctioning. → Contact your dealer or the customer service center. | |
| EE | The humidity sensor is malfunctioning. → Contact your dealer or the customer service center. | |
| A6 | Are the pre-filter, dust collection filter, humidifying filter unit, humidifying tray, and water tank 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 your dealer or the customer service center. ■ 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 your dealer or the customer service center. ■ If there is a buildup of dust → Unplug the power supply plug, clean the pre-filter, and then restart operation. (▶Page 25) |
| | Is the air outlet blocked? | <ul style="list-style-type: none"> ■ If the air outlet is not blocked An electrical component is malfunctioning. → Contact your dealer or the customer service center. |
| | | <ul style="list-style-type: none"> ■ 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 rays are being emitted while the UV function is ON?

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

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

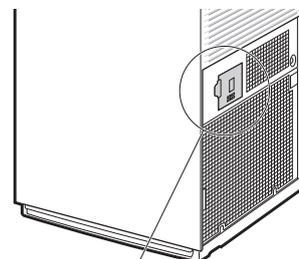
A: If the dust/particle sensor lens is dirty, the sensitivity may become poor, so clean it regularly. (▶Page 25)

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 21, 22)

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.



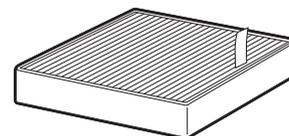
Dust/Particle sensor

Q: Can I clean the dust collection filter?

A: Maintenance on filter is not possible, but it 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 31)



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 31)

Q: Can the carbon filter be washed with water? Do I need to replace it?

A: It cannot be washed with water.

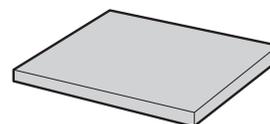
(If you wash it with water, it will lose its shape and you will not be able to use it.)

If you inadvertently washed it with water, replace it. (▶Page 26)

Remove the carbon filter 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 26)



Q: No steam is visible during the Humidifying Operation...

A: No steam is visible because humidification is carried out by passing air through the humidifying filters and vaporizing, rather than by boiling water.

Q: Air emitted during the Humidifying Operation feels cool...

A: Emitted air is a little lower in temperature than the air drawn-in because heat in the air is consumed when the water contained in the humidifying filters is vaporized.

Q: Humidification is in progress but ambient humidity is not rising...

A: It may be difficult to raise the humidity depending on room size and conditions.

Set the **humidification mode** to "☁️ (High)" and increase the FAN setting before use.

Dirt buildup on the humidifying filter unit can cause reduced performance. Clean it regularly. (▶Page 26, 28, 29)

Q: The water tank cannot be removed smoothly...

A: It can be removed by releasing the side lock. (▶Page 15)

Q: Is continuous operation possible?

A: It can be operated continuously.

Stop operation regularly and clean it.

Q: Operation continues even though I try to stop it...

A: This is because humidifying filter drying operation is being carried out. (▶Page 18)

If you want to stop operation, press  .

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.

■ Operation continues

| Phenomenon | Check points |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation continues even though I try to stop it | <ul style="list-style-type: none"> This is because humidifying filter drying operation is being carried out. If you do not want to perform humidifying filter drying operation, change the setting. ▶Page 23, 24 |

■ Sounds can be heard

| Phenomenon | Check points |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catching sound during Humidifying Operation | <ul style="list-style-type: none"> A catching sound may be generated when Humidifying Operation starts/stops. |
| Sizzling or rumbling sounds after Humidifying Operation stops or during Humidifying Operation | <ul style="list-style-type: none"> These sounds are generated when the humidifying filter unit rotates. If the sounds are an issue, move the unit to a different location. |
| Creaking sound during Humidifying Operation | <ul style="list-style-type: none"> Is the humidifying tray or humidifying filter unit dirty? → A sound may be generated when there is a buildup of water scales on the humidifying tray or humidifying filter unit. Clean these parts. ▶Page 28, 29 |
| Splashing sound during Humidifying Operation | <ul style="list-style-type: none"> This is the sound of water splashing on the humidifying filters. |
| 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 25 Is the dust collection filter clogged up? → Depending on usage conditions, the dust collection filter may become clogged up, shortening its service life. ▶Page 7 Replace the dust collection filter. ▶Page 31 |
| 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 31 |

■ Indicator lamps

| Phenomenon | Check points |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The odor sensor lamp blinks | <ul style="list-style-type: none"> Is the carbon filter attached? → Attach the carbon filter properly. ▶Page 13, 14 |
| The humidifier lamp blinks | <ul style="list-style-type: none"> The humidifier lamp slowly blinks during humidifying filter drying operation. → If you do not want to perform humidifying filter drying operation, change the setting. ▶Page 23, 24 |
| The water supply lamp turns on and off repeatedly | <p>Even after the water supply lamp has turned on, depending on the FAN setting, water in the humidifying tray may ripple and move the float causing the water supply lamp to turn on and off repeatedly. (This is because the on/off status of the water supply lamp is dependent on float position.) → Stop operation, unplug the power supply plug, and then fill the water tank with water. ▶Page 14, 15</p> |
| The dust/particle sensor lamp, odor sensor lamp, and HUM monitor lamp do not light up | <ul style="list-style-type: none"> Is the indicator lamp brightness set to “OFF”? → To turn on the lamp, change the indicator lamp brightness to “BRIGHT” or “DIM”. ▶Page 11 |

■ In the event of malfunction during operation

If the indicator lamps on the unit indicator panel light up abnormally during operation due to a lightning strike etc., and operation becomes impossible, remove the power supply plug, wait at least 5 seconds then reinsert the power supply plug and start operation again.

| Phenomenon | Check points |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The dust/particle sensor lamp remains orange or red | <p>?</p> <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 25 • Is the cover of the air intake for the dust/particle sensor removed? → Attach the cover securely. ▶Page 25 • Is the dust/particle sensor lens dirty? → Wipe off the dirt on the lens with a dry cotton swab. ▶Page 25 • Is the pre-filter dirty? → Clean it. ▶Page 25 |
| The water supply lamp remains on even though water was added | <p>?</p> <ul style="list-style-type: none"> • Is the humidifying tray securely attached? → Push it all the way in. ▶Page 28 • Is the float in the humidifying tray stuck? Is the float in the humidifying tray attached properly? → Attach the float properly and make sure it moves smoothly. ▶Page 28 • If the water supply lamp is lit even though there is water in the humidifying tray, there may be a problem with the water tank. (Water leakage may result) → Contact your dealer or the customer service center. |
| There is an odor but the odor sensor lamp remains blue | <p>?</p> <ul style="list-style-type: none"> • Was a strong odor already present at the time you plugged in the power supply plug? → The basic sensitivity of the odor sensor will be determined by odor levels in the first 1 minute after the power supply plug is inserted. ▶Page 10 <p>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.</p> |
| The filter replacement lamp doesn't turn off even though the dust collection filter was replaced | <p>?</p> <ul style="list-style-type: none"> • Did you press and hold UV for about 2 seconds? → Even if you replace the dust collection filter, if you don't press and hold UV for about 2 seconds, the filter replacement lamp will not turn off. ▶Page 31 |
| UV ON/OFF lamp blinks | <p>?</p> <ul style="list-style-type: none"> • Are the carbon filter and filter fixing unit attached properly? → Unplug the power supply plug, attach them properly, and then restart operation. ▶Page 14 |

■ Air purifying function

| Phenomenon | Check points |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| There is no air purifying effect | <p>?</p> <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 louver closed? → Open the louver. ▶Page 16 • Is the pre-filter dirty? → Clean it. ▶Page 25 • Is the filter replacement lamp lit or blinking? → Replace the dust collection filter. ▶Page 31 |

Troubleshooting

| Phenomenon | Check points |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| There is an odor coming from the air outlet | <p>?</p> <ul style="list-style-type: none"> • Are the carbon filter, humidifying filters, or humidifying tray dirty? → Clean these parts. (▶Page 26, 28, 29) • Even if the humidifying filters are not dirty, substances that cause odor may be attached. If the odor bothers you, clean the humidifying filters. (▶Page 26, 28-30) • Discard the water in the humidifying tray every day. • When performing Air Purifying Operation, discard the water in the water tank and humidifying tray. • 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, medicine) → 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. Do not apply deodorizing spray or other types of spray to the unit, or use near the unit. • 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 17) |
| Air does not come out | <p>?</p> <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 | <p>?</p> <ul style="list-style-type: none"> • Is the odor sensor lamp blinking? → Attach the carbon filter and filter fixing unit properly. (▶Page 14) |

■ Humidifying function

| Phenomenon | Check points |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Humidification does not occur even though the water tank contains water (The humidifying filter unit does not rotate)</p> <p>The water in the water tank is not being used up</p> | <p>?</p> <ul style="list-style-type: none"> • Since this unit achieves humidification through vaporization, the water gets used up slowly when ambient humidity is high or the temperature is low. • The Humidifying Operation stops when room humidity reaches the target humidity set for the Humidifying Operation. (▶Page 18) • Is the humidifier lamp lit? → If the lamp is not lit, press <input type="button" value="HUM"/> . • Are the humidifying filters and humidifying filter unit attached properly? (▶Page 28, 30) → Attach the humidifying filters and humidifying filter unit properly. • Is the float in the humidifying tray attached properly? (▶Page 28) → Attach the float in the humidifying tray properly. • Are there any water scales or dirt on the humidifying filters? → Water scales or dirt buildup on the humidifying filters can cause reduced performance. Dirt buildup on the humidifying filters varies according to water quality and may result in reduced performance. Clean the humidifying filter unit. (▶Page 28, 29) • Is the water supply lamp lit? → If it is lit, the humidifying tray is not attached properly. Re-attach the humidifying tray. (▶Page 28) • Is the odor sensor lamp blinking? → If it is blinking, the carbon filter or the filter fixing unit is not attached properly. If the carbon filter or filter fixing unit is not attached properly, the airflow rate will decrease and Humidifying Operation will stop. Attach the carbon filter and filter fixing unit properly. (▶Page 14) |

■ In the event of malfunction during operation

If the indicator lamps on the unit indicator panel light up abnormally during operation due to a lightning strike etc., and operation becomes impossible, remove the power supply plug, wait at least 5 seconds then reinsert the power supply plug and start operation again.

| Phenomenon | Check points |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The HUM monitor lamp always indicates a high humidity level</p> | <p>?</p> <ul style="list-style-type: none"> • Is the unit positioned next to a window or in a location exposed to cold wind? → There is a possibility that only the air surrounding the unit is of high humidity. Try moving the unit to a different location. • North facing rooms or rooms close to wet areas, such as the bathroom, become humid easily, so these rooms tend to have a higher humidity. • Immediately after starting operation, the humidity may be displayed higher than it actually is, depending on the condition of the air inside the unit. Let the unit operate for about 1 hour, then check again. |
| <p>The humidity level indicated on the unit differs from other hygrometers</p> | <p>?</p> <ul style="list-style-type: none"> • This is because the flow of air causes temperature and humidity to vary throughout the room. Please consider the indications to be a rough estimate of ambient humidity. |
| <p>Ambient humidity does not rise</p> | <p>?</p> <ul style="list-style-type: none"> • When the indoor or outdoor humidity is low, the walls and floor of the room are dry, or the room has poor insulation against drafts, the target humidity may not be readily achieved. • Is the humidity set to “ (Low)” or “ (Standard)”? Is the airflow rate setting set to “ (Quiet)” or “ (Low)”? → Set the humidification mode to “ (High)” and increase the FAN setting. ▶Page 17, 18 • Is the odor sensor lamp blinking? → Attach the carbon filter and filter fixing unit properly. ▶Page 14 |
| <p>Room humidity is high but Humidifying Operation does not stop</p> | <p>?</p> <ul style="list-style-type: none"> • When indoor or outdoor humidity is high, the walls and floor of the room are moist, or the room has good insulation against drafts, the target humidity may be exceeded. • Is the unit exposed to direct sunlight or warm air from a heating appliance? → Move the unit to a location without such direct exposure. • Perform during Humidifying Operation as well as Air Purifying Operation. If the set humidity is reached during Humidifying Operation, Humidifying Operation will stop, but Air Purifying Operation will continue. |
| <p>The water supply lamp is lit but Humidifying Operation does not stop (the humidifying filter unit continues to rotate)</p> | <p>?</p> <ul style="list-style-type: none"> • Even if the water supply lamp lights up, the humidifying filter unit will continue to rotate for about 90 minutes in order to reduce the amount of water remaining in the humidifying tray. If you want to continue Humidifying Operation, please add water to the water tank. ▶Page 9, 14, 15, 27 |
| <p>Water in the water tank is decreasing even though Humidifying Operation is not running</p> | <p>?</p> <ul style="list-style-type: none"> • Even when performing only Air Purifying Operation, if there is water in the tank, the air will be slightly humidified due to natural evaporation because of air flow, and the water in the water tank will be used up. When performing only Air Purifying Operation, discard the water in the water tank and humidifying tray. |
| <p>Water is coming out of the air outlet</p> | <p>?</p> <ul style="list-style-type: none"> • Are the pre-filter, dust collection filter, humidifying filters, and water tank attached properly? ▶Page 15, 25, 28, 30, 31 → Attach properly. • When you removed the humidifying filters from the frame and replaced them <ul style="list-style-type: none"> • Did you shape the new filters properly before attaching them? • Did you attach all 2 of them? • Did you attach them so that the engraved pattern on the frame matches the pattern on the humidifying filter? → Attach properly. ▶Page 30 |
| <p>The airflow rate does not reach the set level during Humidifying Operation</p> | <p>?</p> <ul style="list-style-type: none"> • Even if you have selected an airflow rate that suits your preferences, if the water supply lamp lights up, the airflow rate will change to “Quiet”. If you do not want the airflow rate to change to “Quiet”, change the setting. ▶Page 23, 24 (Depending on the degree of odor and dust, the airflow rate may not change to “Quiet”.) • When Humidifying Operation is started with the airflow rate set to “Turbo”, “Turbo” airflow rate is suppressed for about 10 minutes. After that, the airflow rate changes to the set airflow rate, so the operating sound also changes. |

Troubleshooting

■ Other

| Phenomenon | Check points |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The fan stops during operation</p> | <ul style="list-style-type: none"> • During ECONO MODE or AUTO operation, when Monitoring mode is entered, the fan turns on and off repeatedly. ▶Page 20 • Are you operating with the pre-filter, dust collection filter, humidifying filter unit, humidifying tray, and water tank 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. |
| <p>After performing Humidifying Operation in Humidifying and Air Purifying Operation or in a MODE, operation is stopped, but humidifying filter drying operation is not performed</p> | <ul style="list-style-type: none"> • Even if Humidifying Operation is “ON”, if the humidity in the room exceeds the set humidity and Humidifying Operation is not performed for 1 hour or more, humidifying filter drying operation will not be performed. • Is humidifying filter drying operation set to “OFF”? ▶Page 23, 24 |
| <p>There is water spilled on the floor</p> | <ul style="list-style-type: none"> • Have you tilted the unit? → If you tilt the unit, water may spill out. Before moving the unit, turn off the power and discard any water in the water tank and humidifying tray. • Is there a large buildup of water scales on the humidifying filters? → Water leakage may result from water scale buildup. Clean it. ▶Page 28, 29 • Is the float stuck? → If the float is stuck, water leakage may result. Clean it. ▶Page 28 • Is dust caught in the valve of the water tank? → If dust is caught in the valve, the valve will not close, and water leakage may result. Clean it. ▶Page 27 • Are water scales adhered to the area around the valve of the water tank? → If water scales are adhered to the area around the valve, the valve will not close, and water leakage may result. Clean it. ▶Page 27 |
| <p>The TV screen shows interference The radio emits noise</p> | <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 | MCKB70YSAU | | | | | | | |
| Power supply | Single phase 120V 60Hz | | | | | | | |
| Operation mode | Air Purifying | | | | Humidifying and Air Purifying (at indoor temp.: 68°F (20°C), indoor humidity: 30%) | | | |
| | Turbo | Standard | Low | Quiet | Turbo | Standard | Low | Quiet |
| Airflow rate (CFM) [m³/h] | 247 [420] | 124 [210] | 78 [132] | 57 [96] | 247 [420] | 124 [210] | 78 [132] | 60 [102] |
| External dimensions (in.) [mm] | 29-59/64 (H) × 12-13/32 (W) × 12-13/32 (D) [760 (H) × 315 (W) × 315 (D)] | | | | | | | |
| Weight (lbs.) [kg] | 28 [12.7] (when the water tank is empty) | | | | | | | |
| Water tank volume (G) [L] | Approx. 0.9 [3.4]*1 | | | | | | | |
| Power supply cord length (in.) [m] | 79 [2] | | | | | | | |

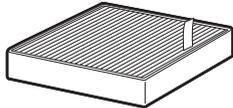
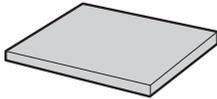
• Even when the power is off, power is consumed to run the microcomputer (less than 1W).

When there is water in the water tank, the water level may fall and ambient humidity may rise slightly.

*1 When the water tank is filled while installed in the unit.

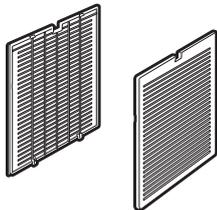
If the water tank is removed from the unit before filling, the water tank volume is 0.66 gallons (2.5 liters) in order to make carrying easier.

Replacement Parts

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Replacement part</p> <p>Dust collection filter (1 pc.) Model: BAFP105A4N</p>  <ul style="list-style-type: none"> • Catches dust and pollen. | <p>Carbon filter (1 pc.) Model: BAD105A4N</p>  | <p>Replacement part</p> <p>Humidifying filter (without frame) (2 pcs.) Model: KNME102A4N</p>  <ul style="list-style-type: none"> • Humidifies air by vaporizing water during Humidifying Operation. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- 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 the waste separation rules in your local area.
 - Dust collection filter... Material: Polyester/Polypropylene
 - Humidifying filter... Material: Polyester
 - Carbon filter... Material: Paper

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

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Pre-filter Left-side/Right-side (Parts No. 2539244)</p>  | <p>Pre-filter Front (Parts No. 2539243)</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.

3P672685-2A

M21B438 (2112) HT

