



Humidifying air purifier

Floor standing type

Model

MCK55WVM

Humidifying Air Purifier OPERATION MANUAL



- 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.** [▶Page 3-5](#)
- Please keep the operation manual in a safe place for later reference.

English

Deutsch

Français

Nederlands

Español

Italiano

Ελληνικά

Polski

Русский

Türkçe

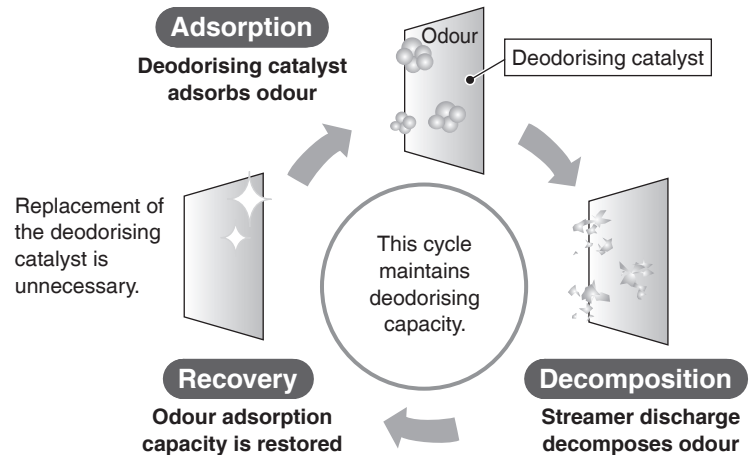
Features

Streamer Technology



This technology employs a "streamer discharge", a type of plasma discharge comprising high-speed electrons with powerful oxidative capacity, that is generated inside the air purifier. The discharge swiftly removes odours. (The high-speed electrons are generated and then adsorbed within the unit to ensure your safety.)

Streamer discharge decomposes adsorbed odour.
Decomposition cycle that maintains deodorising capacity.



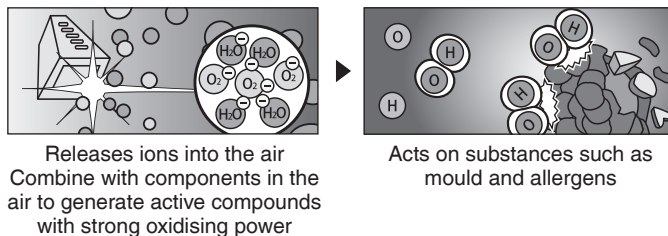
Streamer operation is conditional on the degree of air impurity.

During operation, the streamer discharge may generate a hissing sound, however, this does not indicate an abnormality. In addition, the sound may lessen or change in tone depending on the operating environment, however, such changes are normal. In some cases the air outlet may emit a slight odour as trace amounts of ozone are generated. However, the amount is negligible and is not harmful to your health.

Active Plasma Ion Technology

“Plasma ion” technology releases ions into the air by plasma discharge and combines them with components in the air to generate active compounds such as OH radicals with strong oxidising power. A technology that adheres to and acts on the surface of substances such as mould and allergens.

■ Suppression mechanism provided by active plasma ions (image)



Controlling PM2.5

Elimination of 99% of 0.1-2.5µm particles (*1).

- Does not take into account inflow of new particles from outdoors owing to ventilation etc.
- PM2.5 is a generic term for particulate matter that is 2.5µm or less in size.
- Elimination of particulate matter that is less than 0.1µm in size by this humidifying air purifier has not been verified.

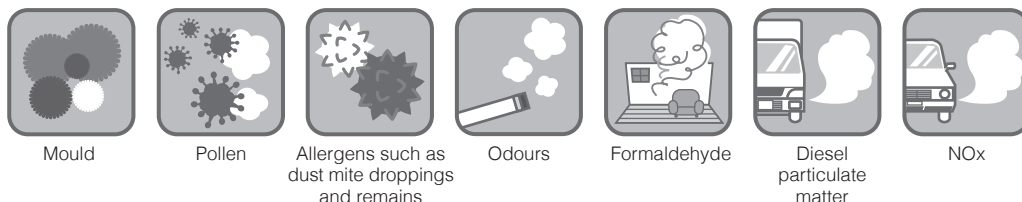
This product cannot eliminate all airborne toxic substances.

(*1) Test methodology: The Japan Electrical Manufacturers' Association standard (JEM1467)

Decision criteria: Elimination of 99% of 0.1-2.5µm particulate matter in a 32m³ airtight space in 90 minutes or less.

Equivalent value for 32m³ test space.

Substances that can be controlled/broken down



Substances that can be trapped



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Safety Precautions

■ Observe these precautions in order to prevent property damage or injury.

■ The consequences of incorrect use are categorised as follows:



 WARNING	 CAUTION
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.


■ Precautions to be observed are categorised using symbols:

 Never attempt.	 Be sure to follow the instructions.
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 **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)
- **Do not use in such a way that the ratings of the power socket or wiring appliances are exceeded or use a voltage outside of the range AC220-240V.**
(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 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. (An electric shock, short circuiting or fire may result from use while damaged)

-  • **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 buildup with moisture, etc.)
- **When performing maintenance, inspecting, moving the unit, or refilling the water tank, be sure to turn off and unplug the unit.** (An electric shock or injury may result)

■ 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 scatter, such as a bathroom.** (Fire or an electric shock may result from electrical leakage)
- **Places accessible to small children.** (An electric shock or injury may result)
- **Places 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)

⚠ 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, reconstruct or repair the unit yourself.**
(Fire, an electric shock or injury may result) For repairs, please contact the place of purchase.
- **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 benzine or thinner. (An electric shock, fire or cracking may result)

■ **Concerning the remote controller**

- ⊘ • **Do not place the remote controller in places that can be reached by small children.**
(Bodily harm may result from misoperation of the unit or accidental ingestion of the battery)
- **Make sure not to put the battery in the wrong polarity (+/-) orientation.**
(Short circuiting, fire or battery leakage may result)

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

⚠ **Examples of abnormality and malfunction**

- The unit does not operate even if the switch is turned on.
 - Current passes through the cord or fails to pass through if the cord is moved.
 - 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.

⚠ 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.**
 - ◆ **For EU, Turkey:**
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
 - ◆ **For other regions:**
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)

Safety Precautions

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

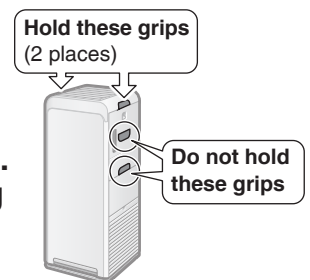
- **Do not drink the water from the water tank. Do not give the water to animals or plants.** (Harm may be caused to the animal or plant)
 - **Do not use products that contain fine powder, such as cosmetics, near the unit.** (An electric shock or malfunction may result)
 - **Do not operate the unit when fumigating insecticide is in use.**
 - After using insecticide, be sure to sufficiently ventilate the room before operating the unit. (Harm may be caused to health from an outflow of accumulated chemical compounds from the outlet)
 - **Do not use the unit near a smoke detector.**
 - If the air coming out of the unit flows in the direction of the smoke detector, the response of the smoke detector may be delayed or it may fail to detect smoke.
-
- **Frequently ventilate the room when using the unit together with combustion-based heating devices.**
 - Usage of this product is not a substitute for ventilation. (Potential cause of carbon monoxide poisoning)
This product cannot eliminate carbon monoxide.
 - **If the unit is placed within reach of a pet, be careful that the pet does not urinate on the unit or chew on the power supply cord.** (Fire, an electric shock or injury may result)
 - **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 mould or bacteria in dirt and water scales)
Consult a medical professional if you experience any health abnormalities.

■ 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 deodorising 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.** (An electric shock or malfunction may result from water leaking or spilling)

■ When moving the unit

- **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)
- **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)



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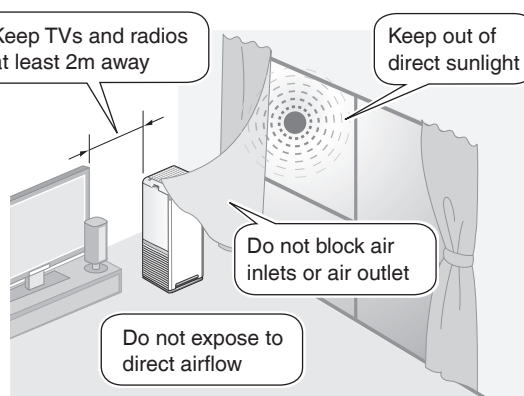
Precautions During Use

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 mould growth 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 odours may result from the propagation of mould or bacteria in dirt and water scales)

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**
(A decline in the receptivity of the signal from the remote controller or discolouration 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 or exposed to direct airflow from heating appliances**
(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**
(Volatilised 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.
 - Insulators such as silicone may adhere to the needle of the streamer unit, and the streamer discharge may not be generated.
 - 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.



About streamer discharge and active plasma ions

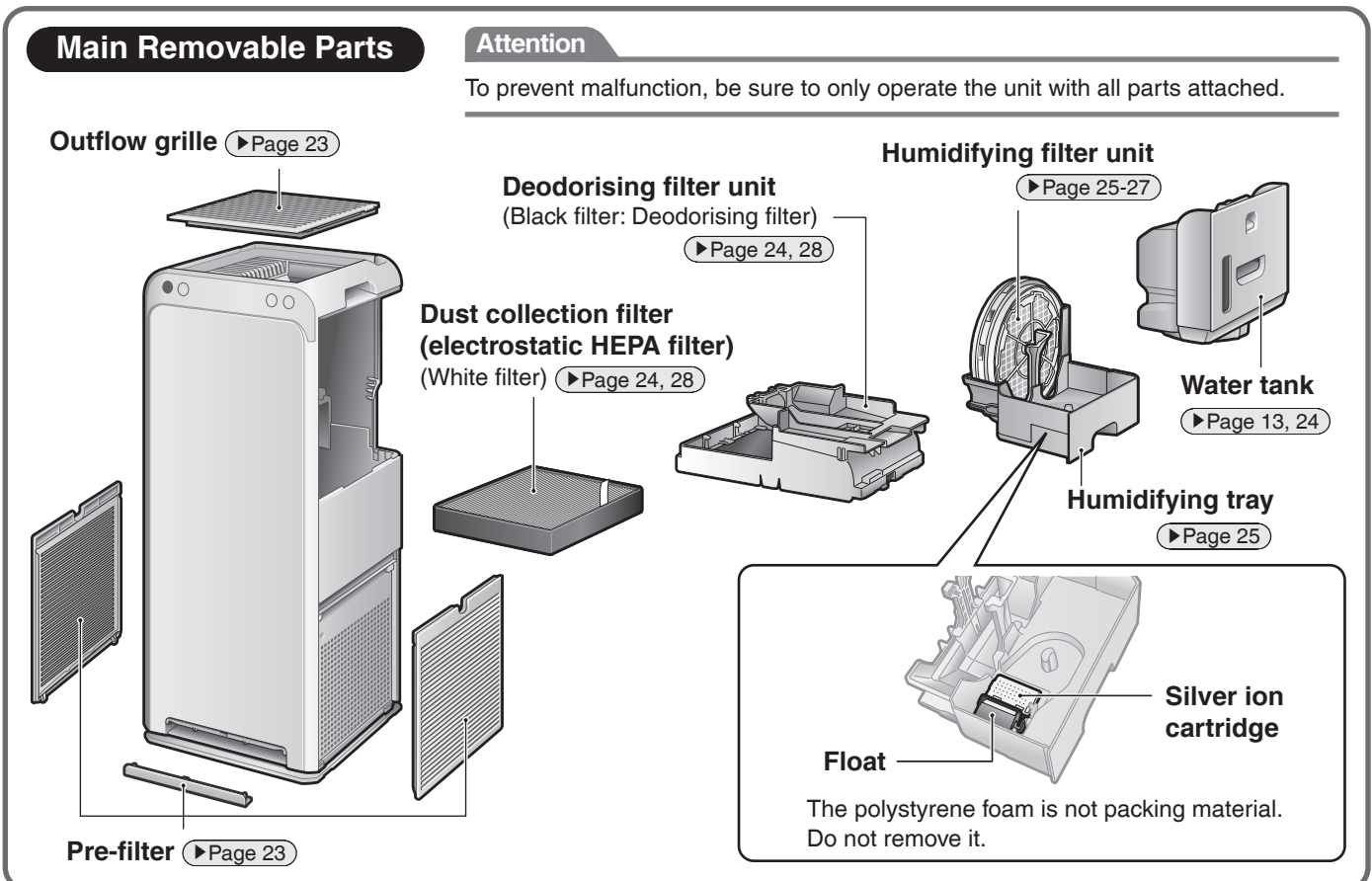
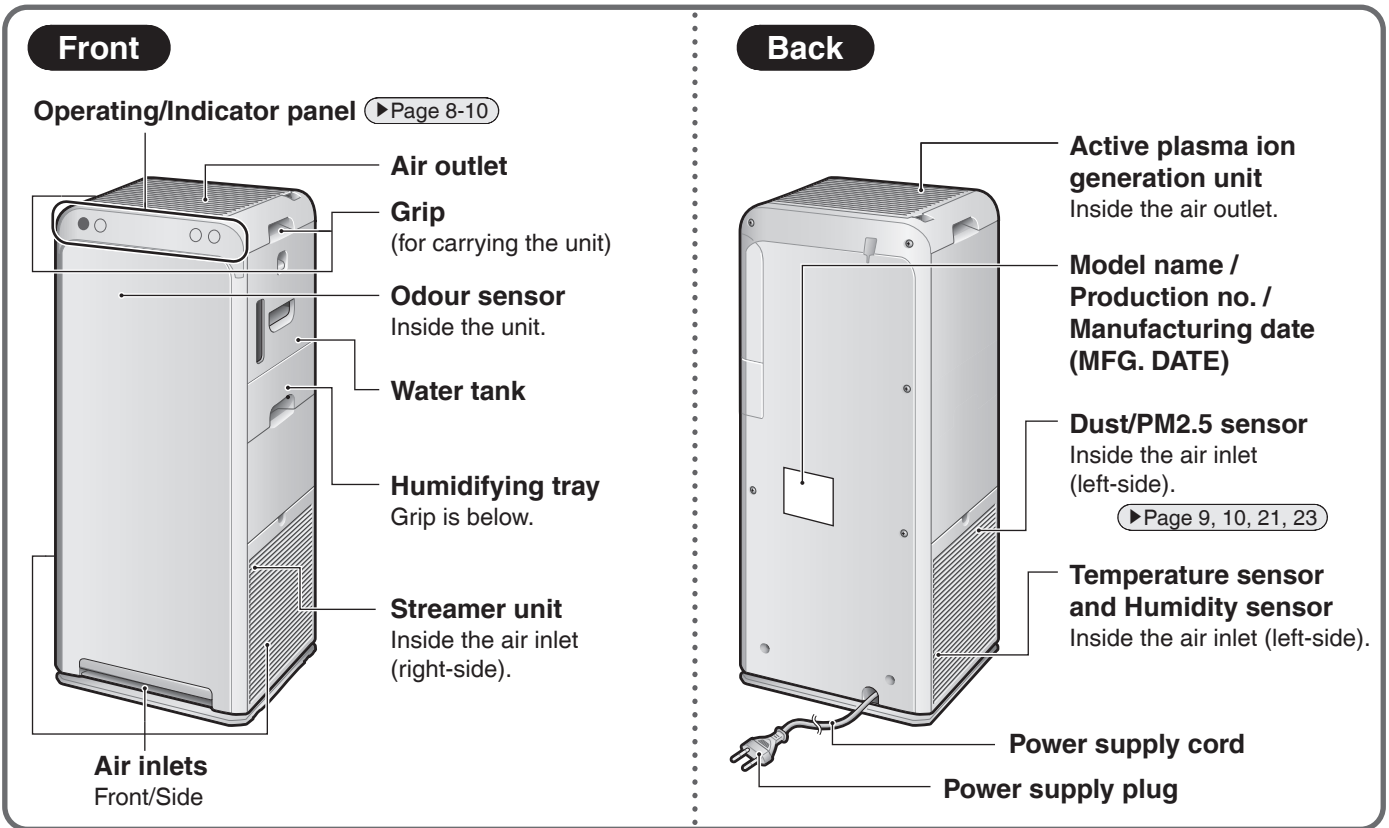
In some cases the air outlet may emit a slight odour as trace amounts of ozone are generated. However, the amount is negligible and is not harmful to your health.

This product cannot eliminate all of the toxic substances in tobacco smoke (carbon monoxide etc.)

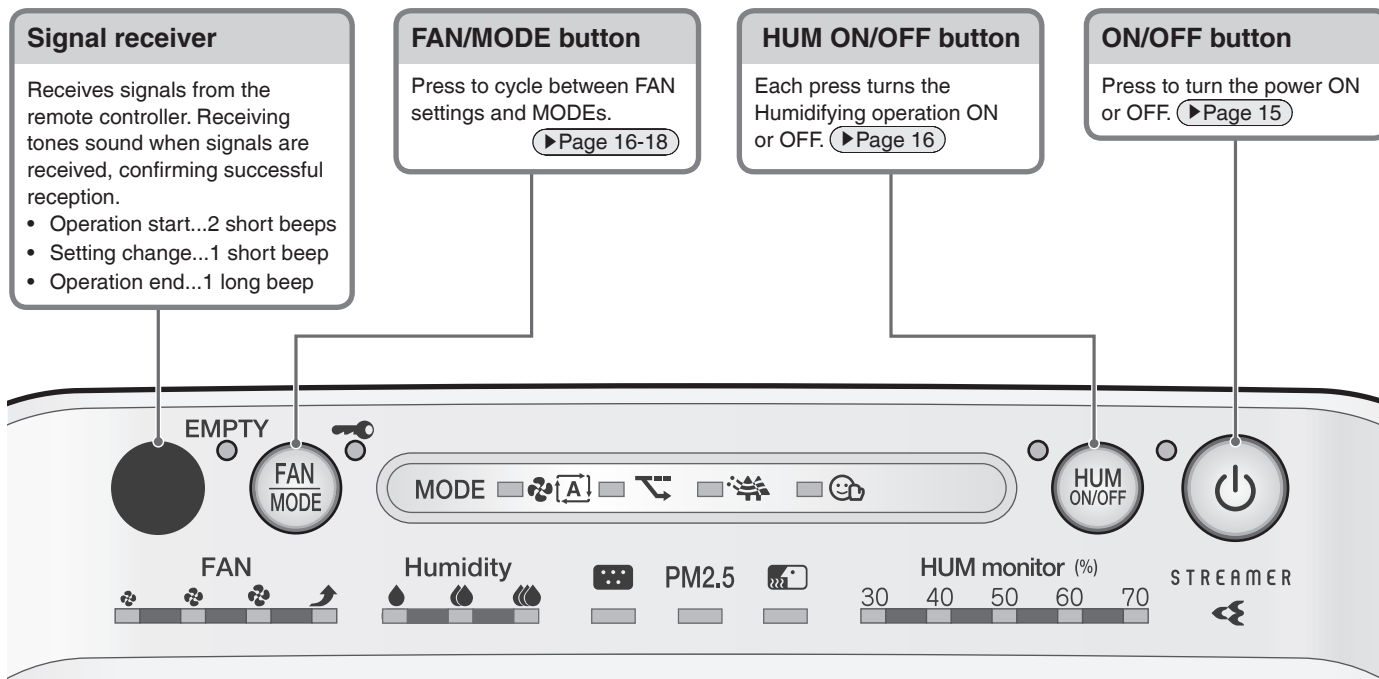
Names of Parts and Operations

⚠ CAUTION

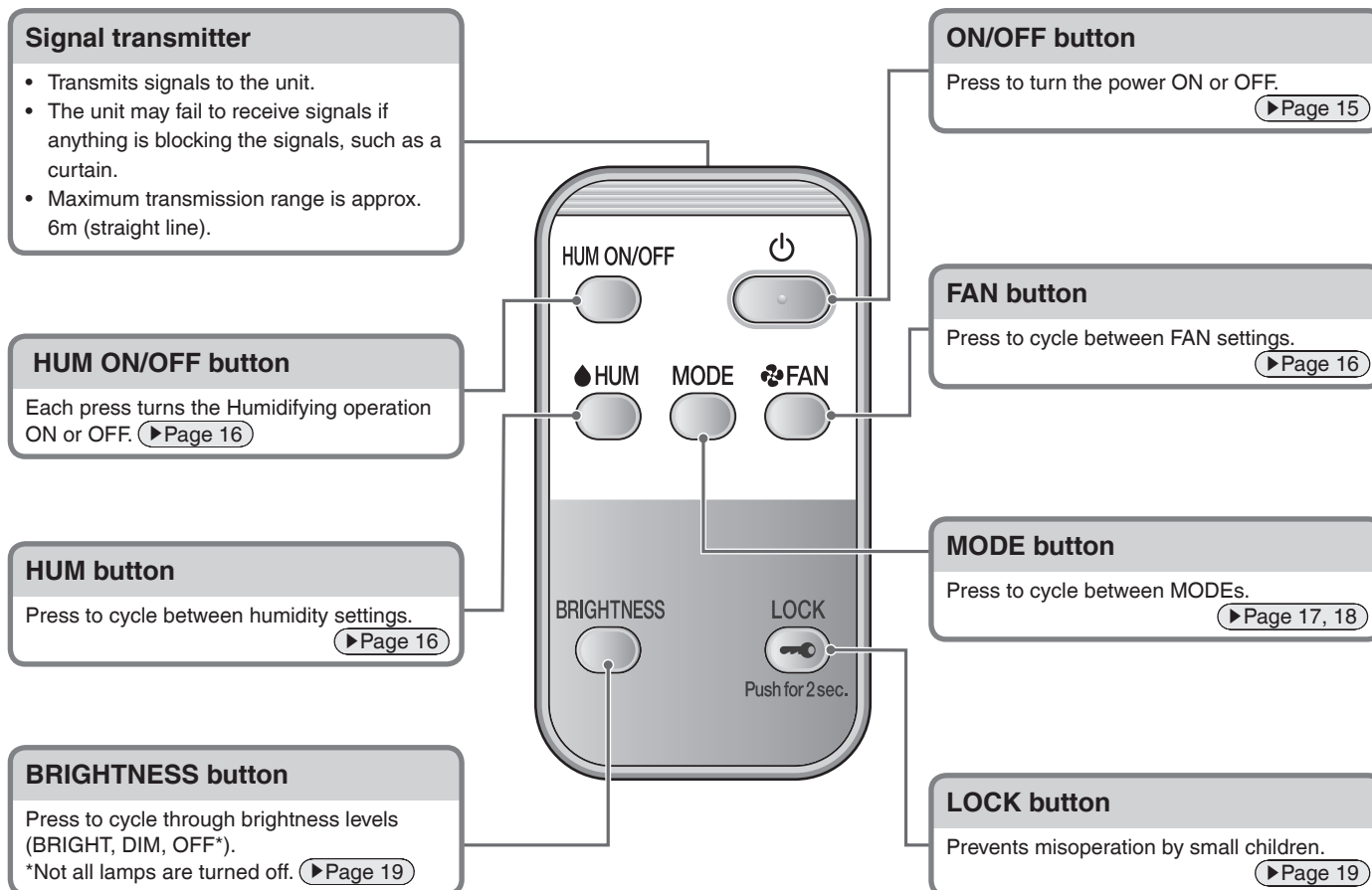
Do not lift up the unit holding the grip on the water tank or humidifying tray. (Injury may result from the unit falling)



Operating/Indicator panel



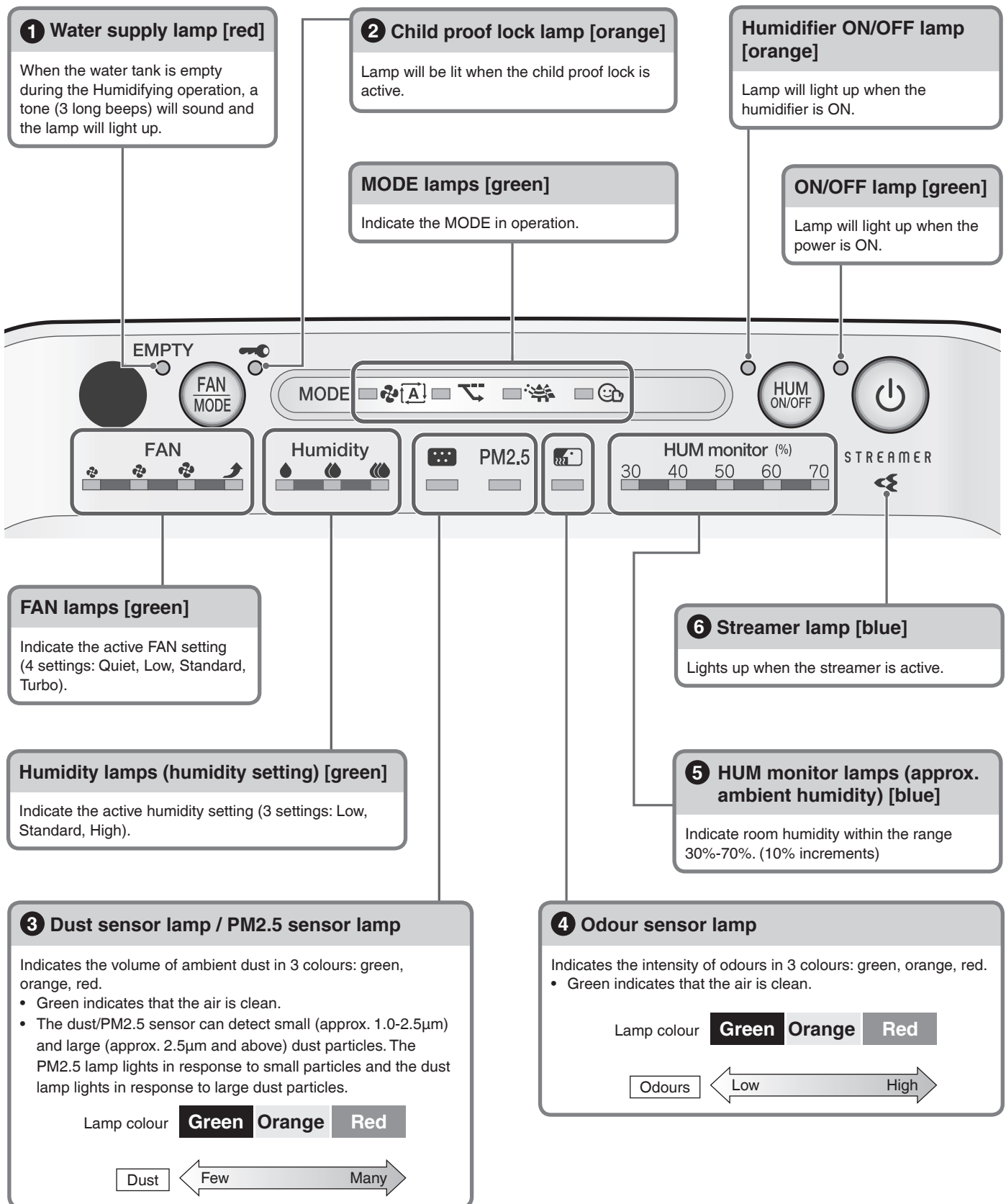
Remote controller



Names of Parts and Operations

Operating/Indicator panel

When a lamp is blinking [▶Page 30](#)



About the lamps

1 About the water supply lamp

- When the water supply lamp lights up, the Humidifying operation will stop (the Air purifying operation will continue) but the humidifier ON/OFF lamp will remain lit up.
- After lighting up, the water supply lamp may be on and off a few times, however, this is normal (not a malfunction).
- Stop operation of the unit and unplug the power supply, then fill the water tank with water and re-insert it into the unit. After a while, the water supply lamp will be off and the Humidifying operation will resume. [▶Page 13](#)
- To stop the notification tone (3 long beeps) from sounding, change the settings. [▶Page 21](#)

2 About the child proof lock lamp

- When lit up, operations will be restricted. When buttons are pressed, only a tone (3 short beeps) will sound, preventing misoperation by small children. [▶Page 19](#)

3 About the dust/PM2.5 sensor lamp

- After operation is started, the lamp will light green for the first minute (approx.) regardless of air impurity level.
- If the responsiveness of the dust/PM2.5 sensor is poor, change the sensitivity setting of the sensor. [▶Page 21](#)
- The responsiveness of the dust/PM2.5 sensor may be poor during FAN setting “Turbo” or when airflow is high in AUTO FAN MODE or MOIST MODE. The strong airflow causes dust to be drawn into the air inlets before it can be detected by the dust/PM2.5 sensor. This is normal (not a malfunction).

Dust/PM2.5 sensor detection range

Detectable matter
house dust, tobacco smoke, pollen, mite droppings and remains, pet hairs, diesel particulate matter
Sometimes detectable
steam, oil smoke

4 About the odour sensor lamp

- If operation is started immediately after the power supply plug is inserted, the lamp will light green for the first minute (approx.).
- If odour intensity levels are unchanging, the sensor may not respond even if there is a strong odour in the air.
- The following types of odours may not be detected:
pet odours that do not include ammonia, garlic odours, etc.
- As odour perception varies by person, in some cases an odour may be sensed even when the lamp is green.
If the odour bothers you, switch to manual airflow rate, and select a high airflow rate. [▶Page 16](#)

Odour sensor detection range

Detectable matter
tobacco odours, cooking odours, pet odours, toilet smells, waste smells, mould odour, sprays, alcohol
Sometimes detectable
sudden changes in temperature/humidity, steam, oil smoke, gas emitted from combustion-based heating devices

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

5 About the HUM monitor lamps

- When the humidity level is below 30%, the “30” lamp will light up. When the humidity level is above 70%, the “70” lamp will light up.
- The lamp will light up even when only the Air purifying operation is active.

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.

6 About the streamer lamp

- During streamer operation, this lamp lights up. Streamer operation is conditional on the degree of air impurity.
- If the hissing sound generated by the streamer discharge or the odour of ozone bother you, set streamer output to low. [▶Page 20](#)

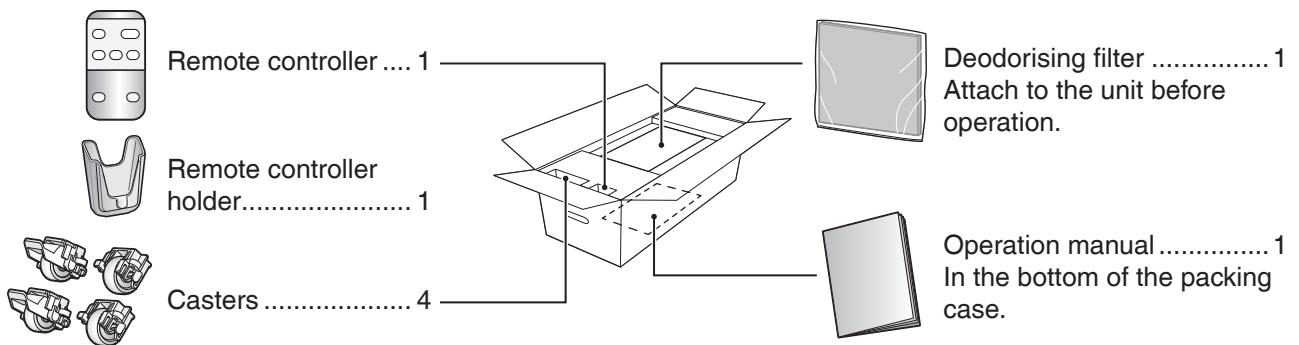
About the FAN and Humidity symbols

Symbol table *The size of the symbols varies in accordance with the airflow rate setting.

	FAN				Humidity		
Symbol							
Setting	Quiet	Low	Standard	Turbo	Low	Standard	High

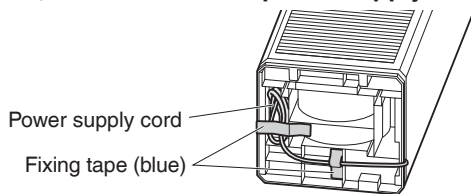
Preparation Before Operation

1 Checking accessories



2 Attaching the casters

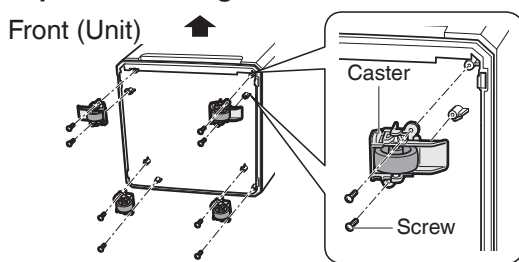
- Before setting up, remove the fixing tape on the bottom which is securing the power supply cord, then take out the power supply cord.



- Reposition the unit so that the front of the unit faces upward.

- The front may be scratched if faced downward.
- Be careful not to scratch the back of the unit with the blades of the power supply plug.

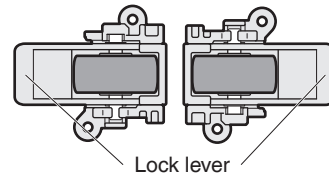
- Tighten securely using the included screws to prevent rattling.



Attachment orientation

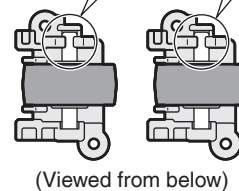
- Attach the casters with locks to the corners at the front of the unit.

Castors with locks



Castors without locks

Attach so that this side faces toward the front of the unit

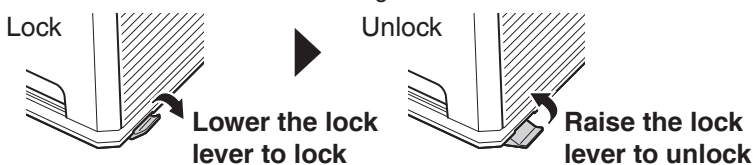


Attention

- Do not use the lock levers while attaching the casters, as it may cause the wheels to detach.
- When moving the unit with the casters, be sure to move it slowly as floor surfaces may be scratched depending on the flooring material.
- The unit should only be moved left or right as the casters are in a fixed position. Slow/gradual turning is also possible. Sharp turns or moving the unit forward/backward on the casters should be avoided. In case such movement is necessary, first lift the unit slightly up.

How to use

- There are 2 lock levers at left and right side.



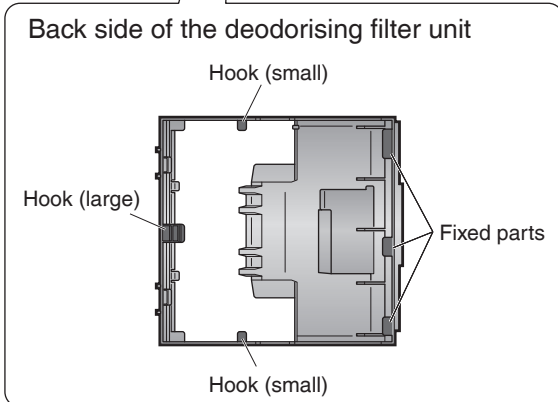
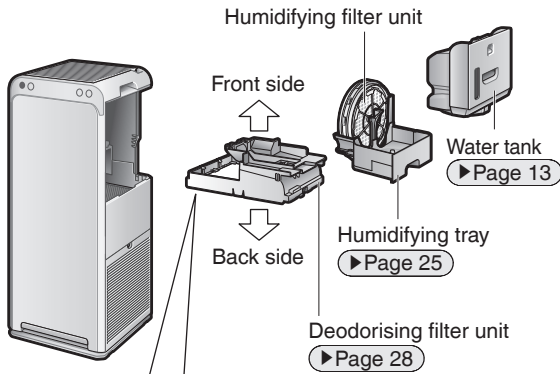
Attention

Please use your hands to operate the lock levers.

Carry out these steps before inserting the power supply plug.

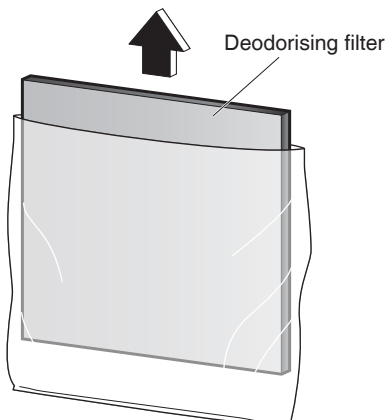
3 Attaching the deodorising filter

1. Take out the water tank from the main unit. ▶Page 13
2. Pull out the humidifying tray with humidifying filter unit on. ▶Page 25
3. Remove the deodorising filter unit. ▶Page 28



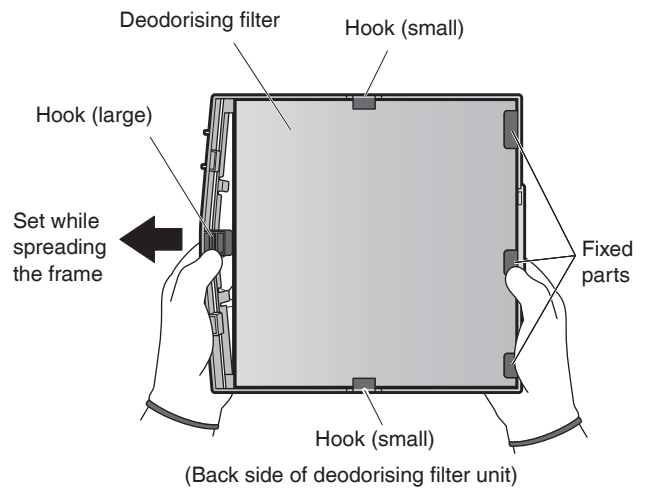
4. Remove the deodorising filter from the bag.

Wear gloves to prevent dust from the deodorising filter making hands dirty.

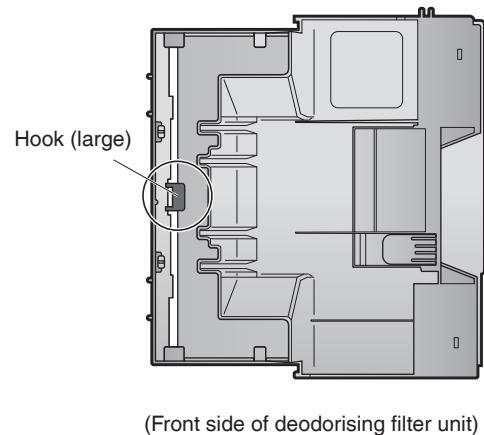


5. Turn the deodorising filter unit over and attach the deodorising filter.

- ① Set the deodorising filter under the fixed parts (3 places).
- ② While spreading the frame, set the deodorising filter under the hooks (small) in 2 places.
- ③ In the same way, set the deodorising filter under the hook (large) to attach it.



- ④ Look at the front side of the deodorising filter unit and double check that the deodorising filter is set under the hook (large).



6. Install the deodorising filter unit into the main unit. ▶Page 28

7. Attach the humidifying tray with humidifying filter unit on. ▶Page 25

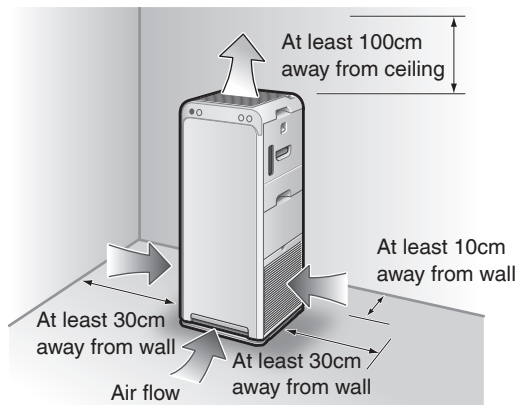
8. Put the water tank in. ▶Page 13

- When starting operation, if the streamer lamp blinks, the deodorising filter is not properly attached.
- Observe local waste separation rules when disposing of the filter bag and desiccant.



Preparation Before Operation

4 Positioning the unit



Pointers for good positioning

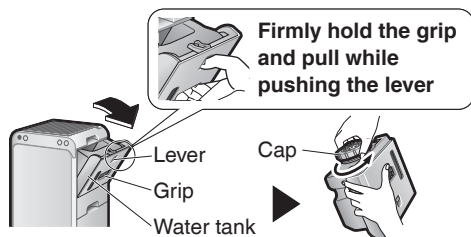
- Choose a position from where airflow can reach all areas of the room.
- Place on a stable surface. If the unit is placed on an unstable surface, vibrations from the unit may be amplified.
- If interference from the power circuit inside the unit or cables causes disturbance of TV screen images or the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

Attention

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

5 Preparing the water tank (for Humidifying operation)

1. Take out the water tank and remove the cap.

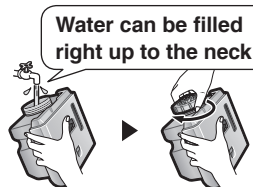


2. Fill the water tank with tap water and close the cap.

Attention

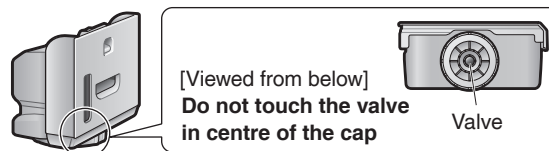
- Do not pour any of the following into the water tank.
- Warm water (40°C or above), aroma oil, chemical agents, unclean water, aromatic substances, detergent, etc. These may cause deformation of the unit or malfunction.
 - Water from a water purifier, ionised alkaline water, mineral water, well-water etc. These may lead to the propagation of mould or bacteria.

- 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 24](#).



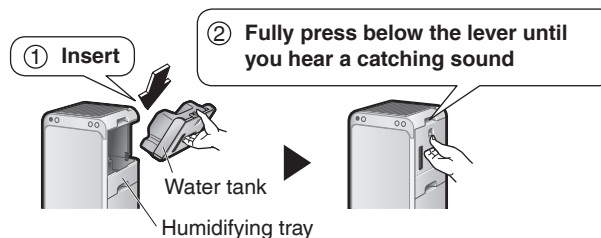
Securely tighten the cap on the water tank. If not done, water leakage could result.

- The water tank will be heavy when filled with water. Hold the water tank firmly **with both hands** when carrying.
- Avoid touching the valve in the centre of the cap. Water in the water tank will leak.
- **After tightening the cap, turn the water tank upside down (so that the cap faces downward) and check for any leaks.**



3. Put the water tank in the unit.

- Hold the grip and fit the water tank into the humidifying tray.



Attention

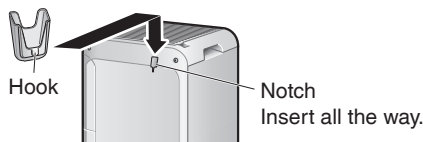
As leaving any residual water in the humidifying tray will lead to bad odours and dirt build-up, be sure to discard any residual water in the humidifying tray each time the water tank is refilled.

If there is a bad odour or dirt, refer to [▶Page 25](#).

6 Preparing the remote controller

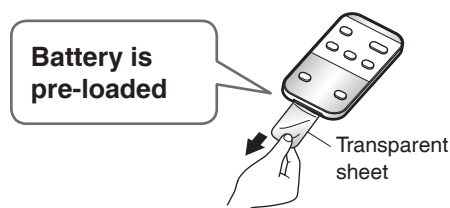
1. Attach the remote controller holder.

- Insert the hook on the remote controller holder into the notch in the back of the unit.



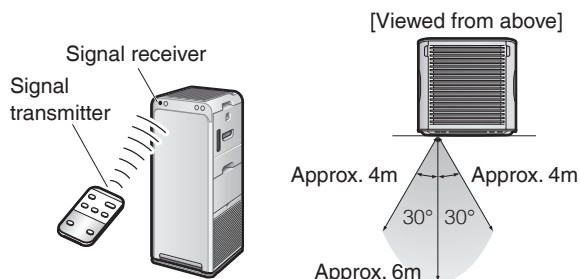
2. Pull out the transparent sheet.

- After removing the transparent sheet, the remote controller is ready for use.



How to use

- Direct the signal transmitter on the remote controller at the signal receiver on the unit. The unit may fail to receive signals if anything is blocking the signals, such as a curtain.
- Maximum transmission range is approx. 6m (straight line).

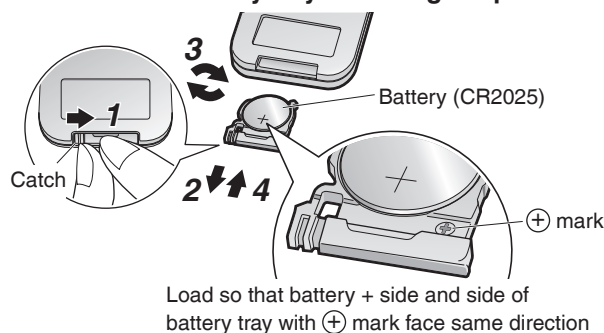


About the remote controller

- Be sure not to drop or allow water to get into the remote controller. (Malfunction may result)
- Signal reception may be poor in rooms with electronic-starter-type fluorescent lamps (inverter-type fluorescent lamps etc.).
- Do not use near lighting equipment (within 1m). (A decline in the receptivity of the signal from the remote controller or discolouration may result)

Replacing the battery

1. Move the catch on the battery tray at the bottom of the remote controller in the direction of the arrow.
2. Pull out the battery tray.
3. Replace the battery.
4. Return the battery tray to its original position.

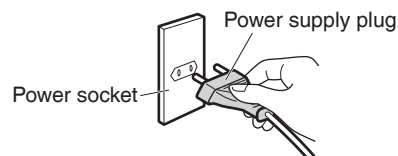


About the battery

- Keep batteries out of reach of children. In the event that batteries are swallowed, go immediately to the nearest medical emergency services.
- To avoid possible injury or damage from battery leakage or rupturing, remove the battery when not using the product for a prolonged period.
- If the battery solution should get in the eyes, do not rub the eyes. Instead, immediately flush the eyes with tap water and seek the attention of a medical professional.
- Do not expose batteries to heat or fire. Do not disassemble or modify batteries. The insulation or other parts inside the battery may be damaged, resulting in battery leakage, rupturing or overheating.
- When disposing of the battery, insulate the terminal by wrapping it in tape etc. (Overheating, rupturing or fire may result if stored together with other metal objects or batteries) Observe local waste separation rules when disposing of batteries.
- While the general battery replacement timing is once a year, if signal reception weakens, the battery should be replaced with a new battery (CR2025).
- Batteries with an expiration date that is close may require replacement sooner.
- The pre-loaded battery is for initial use of the unit and may require replacement in less than 1 year.

7 Inserting the power supply plug into the socket

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



WARNING

Do not turn off the unit by unplugging it from the power socket. (Fire due to overheating or electric shock may result)

Operation

Operation

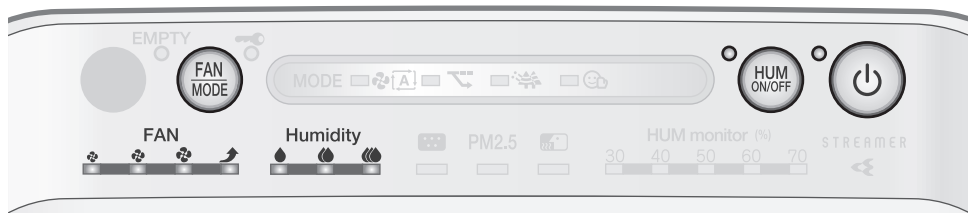
Detailed settings can be made using the remote controller.

Remote controller

Operation via remote controller.

Unit

Operation via operating/indicator panel on unit.



Attention

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

Using Air Purifying Operation (turning operation ON/OFF)

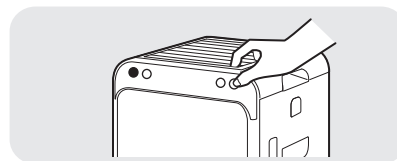
Purifies the air in the room.

Remote controller

Press  .

Unit

Press  .



- Press again to turn OFF.
- ON/OFF lamp [green] lights up.
- If the Humidifying operation was running previously, the Humidifying operation will start automatically the next time the unit is turned ON.

To use the Air purifying operation only, turn OFF the humidifier by pressing  or  .

Attention

When using the Air purifying operation only, discard any water in the water tank and humidifying tray.

Note

- At the time of purchase, the unit is set to Air purifying operation, AUTO FAN MODE with active plasma ion generation set to ON.
- When the unit is unplugged or turned OFF, it will operate with the settings last used the next time it is turned ON.
- Operation settings cannot be changed for about 2 seconds immediately after the power supply plug is inserted.

Changing the Airflow Rate

Select the desired FAN setting.

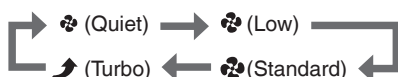
: Quiet
 : Low
 : Standard
 : Turbo

* The size of the symbols varies in accordance with the FAN setting.

Remote controller

Press .

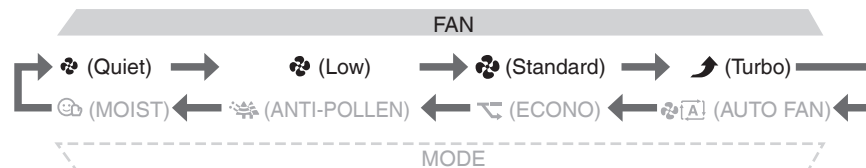
- Each press cycles between the FAN lamps [green].



Unit

Press .

- Each press cycles between the FAN lamps [green] and MODE lamps [green].



About FAN settings



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

As the deodorising capacity is reduced, it is recommended that the FAN setting be set to Standard or above if odour needs to be quickly eliminated from a room.



The ambient air is quickly purified using a large airflow. Recommended for use while you are cleaning up a room.

Using Humidifying and Air Purifying Operation

Humidifies and cleans the air in the room.

Fill the water tank with water. [▶Page 13](#)

Remote controller

Press .

- Press the button again to cancel the operation.
- The humidifier ON/OFF lamp [orange] lights up.

Unit

Press .

Attention

Make sure that the humidifying filter unit is attached when using this operation.
 Be sure to use tap water for the water in the water tank.
 Change the water in the humidifying tray and water tank everyday.
As leaving any residual water in the humidifying tray will lead to bad odours and dirt build-up, be sure to discard any residual water in the humidifying tray each time the water tank is refilled.

- Air purification is always performed with humidification. (It is not possible to run the Humidifying operation exclusively.)**
- When the target humidity level is reached or the water supply lamp lights up, the Humidifying operation stops. However, the Air purifying operation continues.

Note

- Indoor temperature may fall when the Humidifying operation is running.
- Bubbling or splashing sounds may be generated when the Humidifying operation is running, however, this is normal (not a malfunction). [▶Page 32](#)
- If or is pressed when MOIST MODE is active, the Humidifying operation stops and AUTO FAN MODE is activated.

Adjusting the Humidity

Select the desired humidity level.

Remote controller

Press .

- Each press cycles between the humidity lamps [green].



Unit

Cannot be set from unit.

About humidity settings

- Low** Targets a humidity level of around 40%*.
- Standard** Targets a humidity level of around 50%*.
- High** Targets a humidity level of around 60%*.

* Depending on room conditions such as indoor and outdoor temperatures and humidity levels, the target humidity level may be exceeded (or not reached). [▶Page 36](#)

Note

- If is pressed when the Humidifying operation is OFF, the Humidifying operation turns ON.
- Humidity level cannot be selected when MOIST MODE is active.
 If is pressed when MOIST MODE is active, MOIST MODE stops and AUTO FAN MODE is activated.
 Humidity level will be the level selected previously.

Useful Functions

Remote controller



Unit



Operating the Unit in a MODE

Select a MODE specific to your needs.
Airflow is adjusted automatically when the unit is running in a MODE.

Remote controller

Press .

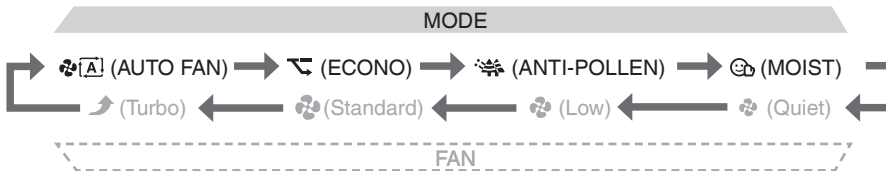
- Each press cycles between the MODE lamps [green].



Unit






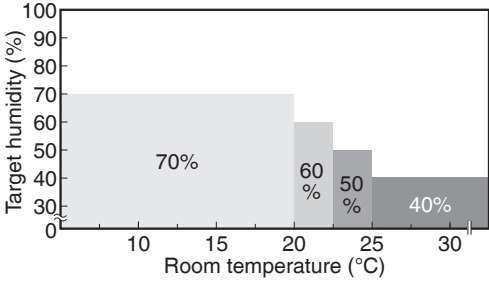
Press .

- Each press cycles between the MODE lamps [green] and FAN lamps [green].



Note

- **The humidifier is turned ON when MOIST MODE is selected.**
- If FAN setting is set to Quiet or AUTO FAN MODE is selected after the unit has been running in MOIST MODE for a while, the Humidifying operation will continue.
(The Humidity level will be the level selected before MOIST MODE was activated.)

MODE	Usage and Function										
AUTO FAN	<p>Automatic airflow rate adjustment</p> <p>FAN setting (Quiet, Low, Standard, High) is automatically adjusted according to the degree of air impurity and humidity (when the Humidifying operation is active). Purifying capacity increases as airflow rate rises.</p> <ul style="list-style-type: none"> Press  to select the humidity level. Degree of air impurity corresponds to the volume of dust and the intensity of odours in the ambient air. 										
ECONO	<p>Saving energy</p> <p>In Power saving mode within ECONO MODE, the FAN setting automatically switches between Quiet and Low only. Power consumption (*1) and operating sounds are reduced. If the air is clean and the set humidity level has been achieved (when the Humidifying operation is active), after a short while, Monitoring mode automatically activates. Recommended for use during sleep hours.</p> <p>*1 By comparison to AUTO FAN MODE (approx. 10.6Wh), power consumption in ECONO MODE (approx. 6.9Wh) is approx. 3.7Wh lower. Test conditions: operation in 10m² area over 1 hour. Assuming 1 cigarette was smoked immediately after the unit was turned on.</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="328 954 635 1227" style="border: 1px solid black; padding: 5px;"> <p>Power saving mode</p> <p>FAN setting switches automatically between Quiet and Low.</p> </div> <div data-bbox="647 954 938 1227" style="text-align: center;"> <p>If the air is clean and the set humidity level has been achieved, after a short while...</p>  <p>If the humidity level falls, or dust or odours are detected...</p> </div> <div data-bbox="951 954 1437 1227" style="border: 1px solid black; padding: 5px;"> <p>Monitoring mode</p> <ul style="list-style-type: none"> The fan starts and stops periodically. Dust, odours, and the humidity level are monitored. The following functions are turned off, further reducing power consumption. <p>Streamer OFF Humidifying OFF (*2)</p> <p>Active plasma ion OFF</p> </div> </div> <p>*2 The humidifier ON/OFF lamp remains lit up.</p> <ul style="list-style-type: none"> As the FAN setting is limited to Quiet and Low, air purifying and humidifying capacity is reduced. As air is not drawn in when the fan has stopped, the dust/PM2.5 sensor, odour sensor, and humidity sensor reduce in sensitivity. To prevent this reduction in sensitivity, turn Monitoring mode OFF. ▶Page 22 FAN setting is adjusted automatically. Airflow cannot be adjusted manually. <ul style="list-style-type: none"> Press  to select the humidity level. 										
ANTI-POLLEN	<p>Reducing pollen levels</p> <p>A gentle air current is created by switching every 5 minutes between the FAN setting Standard and Low so that pollen can be drawn in and caught before it reaches the floor.</p> <ul style="list-style-type: none"> FAN setting is adjusted automatically. Airflow cannot be adjusted manually. <ul style="list-style-type: none"> Press  to select the humidity level. 										
MOIST	<p>Combating dry throat and skin</p> <p>Humidity is automatically adjusted to be gentle on the throat and skin.</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 level is set automatically. Humidity level cannot be selected. <ul style="list-style-type: none"> If  is pressed when MOIST MODE is active, MOIST MODE stops and AUTO FAN MODE is activated. Humidity level will be the level selected previously. <div data-bbox="962 1821 1453 2134"> <p>Room conditions and target humidity</p>  <table border="1"> <caption>Room conditions and target humidity</caption> <thead> <tr> <th>Room temperature (°C)</th> <th>Target humidity (%)</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>70%</td> </tr> <tr> <td>20</td> <td>60%</td> </tr> <tr> <td>25</td> <td>50%</td> </tr> <tr> <td>30</td> <td>40%</td> </tr> </tbody> </table> </div>	Room temperature (°C)	Target humidity (%)	10	70%	20	60%	25	50%	30	40%
Room temperature (°C)	Target humidity (%)										
10	70%										
20	60%										
25	50%										
30	40%										

Useful Functions

Remote controller

Unit



Using the Child Proof Lock


Button operation is restricted, preventing misoperation by small children.

Remote controller

Hold down  for about 2 seconds.

Unit

Cannot be set from unit.

• Hold down  for 2 seconds again to turn off child proof lock.

• When child proof lock is active, operations will be restricted. When buttons are pressed, only a tone (3 short beeps) will sound, preventing misoperation by small children.

Note

- If the unit is unplugged when child proof lock is active, child proof lock is turned off.
- The child proof lock lamp [orange] lights up when the function is active.

Adjusting Indicator Lamp Brightness

Indicator lamp brightness is adjustable.

Remote controller

Press  .

Unit

Cannot be set from unit.

• Press to cycle between settings.



Note

- This function is useful if the lamps bother you during sleep hours etc.
- The ON/OFF lamp and water supply lamp do not turn off even if the brightness is set to OFF. These lamps will be set to DIM.
- If any of the below buttons are pressed when brightness is set to OFF, brightness will change to DIM and return to OFF after about 10 seconds.



Advanced Settings

If the hissing sound generated by the streamer discharge or the odour of ozone bothers you

*Setting at time of purchase



Streamer Output Settings

Regular*

Low

Setting procedures **Remote controller**

Hold down  and  for about 3 seconds with the power supply plug inserted and the unit turned off.

- Each time  and  are held down for about 3 seconds, the setting switches between Regular and Low.

[When the setting is changed to Low]

A short beep sounds and the streamer lamp blinks for about 5 seconds.



[When the setting is changed to Regular]

A short beep sounds and the streamer lamp lights up for about 5 seconds.



Operation status of streamer

		Streamer output setting	
FAN/MODE setting		Regular	Low
FAN	Quiet, Low	ON-OFF*	OFF
	Standard		ON-OFF*
	Turbo		ON
MODE	AUTO FAN, ANTI-POLLEN, MOIST	ON-OFF*	ON-OFF*
	ECONO		OFF

*The streamer operation status ON-OFF means that the streamer turns ON and OFF automatically depending on the degree of air impurity and FAN setting.

- The streamer lamp turns off when streamer operation is OFF.

Note

- It is recommended that the streamer be set to Regular as deodorising capacity is reduced when set to Low.
- Settings are remembered even if the unit is unplugged.

When you want to turn off active plasma ion output

*Setting at time of purchase



Active Plasma Ion Output Settings

ON*

OFF

Setting procedures **Remote controller**

Hold down  and  for about 3 seconds with the power supply plug inserted and the unit turned off.

- Each time  and  are held down for about 3 seconds, the setting switches between ON and OFF.

[When the setting is changed to OFF]

A short beep sounds and the dust lamp, PM2.5 lamp, and odour sensor lamp blink green for about 5 seconds.



[When the setting is changed to ON]

A short beep sounds and the dust lamp, PM2.5 lamp, and odour sensor lamp light up green for about 5 seconds.



Note

- Settings are remembered even if the unit is unplugged.
- If set to OFF, active plasma ion discharge stops, however, dust and odour removal continues.
- If the odour of ozone bothers you, set active plasma ion output to OFF.**
- If the odour of ozone continues to bother you even after output has been set to OFF, set streamer output to Low.

Advanced Settings

If the tone emitted when the water supply lamp lights up bothers you

*Setting at time of purchase


Notification Tone Setting

ON*

OFF

Setting procedures **Unit**

Hold down  for about 3 seconds with the power supply plug inserted and the unit turned off.

- Each time  is held down for about 3 seconds, the setting switches between ON and OFF.

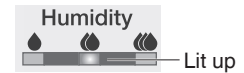
[When the setting is changed to OFF]

A short beep sounds and the humidity lamp  (Standard) blinks for about 5 seconds.



[When the setting is changed to ON]

A short beep sounds and the humidity lamp  (Standard) lights up for about 5 seconds.



Note

- This function is useful for use during sleep hours etc.
- Settings are remembered even if the unit is unplugged.
- The error notification alarm cannot be turned off.

When the sensitivity of the dust/PM2.5 sensor does not meet your preferences

*Setting at time of purchase




Dust / PM2.5 Sensor Sensitivity Setting

High

Normal*


Low

Setting procedures **Remote controller** **Unit**

1. Hold down  on the unit for about 5 seconds and when a short beep sounds, press  on the remote controller while pressing  on the unit.

- This setting change can be performed when the unit is on or off.


2. Release both buttons when a short beep sounds.

- One of the FAN lamps ( (Low),  (Standard),  (Turbo)) will blink for about 5 seconds and then the lamp corresponding to the currently set sensitivity will light up.

3. Press  on the unit to change the sensitivity setting.

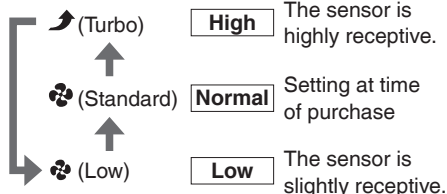
- Each press cycles between the FAN lamps allowing you to change the sensitivity.

To set sensitivity **High**

▶ Select the FAN lamp  (Turbo).

To set sensitivity **Low**

▶ Select the FAN lamp  (Low).



- Setting is indicated using the FAN lamps. If the FAN lamps do not change, unplug the unit, wait at least 5 seconds, then re-insert the power supply plug and repeat the above procedure from the beginning.

4. Press  on the remote controller after selecting the new setting.

- A short beep sounds and the new setting will blink. Unplug the unit while the lamp is blinking, wait at least 5 seconds, and then re-insert the power supply plug. Setting is now complete.
- If this procedure is not performed, the unit will not return to regular operation mode.

Note

- Settings are remembered even if the unit is unplugged.




If you want to turn Monitoring mode (within ECONO MODE) OFF

*Setting at time of purchase

Settings of Modes within ECONO MODE


Monitoring ON*	Monitoring OFF
----------------	----------------

Setting procedures **Remote controller** **Unit**


1. Hold down  on the unit for about 5 seconds and when a short beep sounds, press  on the remote controller while pressing  on the unit.

- This setting change can be performed when the unit is on or off.

2. Release both buttons when a short beep sounds.

- The FAN lamp  (Quiet) and ECONO MODE lamp will light up after blinking for about 5 seconds. The ECONO MODE lamp will light up or blink depending on the ON/OFF status of Monitoring mode.

3. Press  on the unit to change the setting.

- Each press turns the ECONO MODE lamp ON or OFF. (The FAN lamp  (Quiet) will remain lit up.)

To turn Monitoring mode **ON**

▶ Turn on the ECONO MODE lamp.



ON

Setting at time of purchase

To turn Monitoring mode **OFF**


▶ Turn off the ECONO MODE lamp.



OFF

- Setting is indicated using the ECONO MODE lamp. If the ECONO MODE lamp does not change, unplug the unit, wait at least 5 seconds, then re-insert the power supply plug and repeat the above procedure from the beginning.

4. Press  on the remote controller after selecting the new setting.

- A short beep sounds and the FAN lamp  (Quiet) will blink. When Monitoring mode is turned ON, the ECONO MODE lamp also blinks. Unplug the unit while the lamp is blinking, wait at least 5 seconds, and then re-insert the power supply plug. Setting is now complete.
- If this procedure is not performed, the unit will not return to regular operation mode.

Note

- Settings are remembered even if the unit is unplugged.

Before cleaning and maintenance work, be sure to unplug the unit. (An electric shock or injury may result)

Maintenance

Maintenance Quick Reference Table

Check the reference pages for details on removing and attaching parts during cleaning/maintenance.

Outflow Grille

When dirt becomes an issue

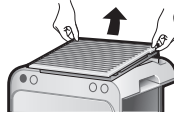
Wipe

Wash/Rinse

- Wipe up dirt with a soft damp cloth and rinse with water.
- Do not use a hard brush etc. (Damage may result)
- When dirt buildup is severe, leave the part soaking in lukewarm or room temperature water mixed with kitchen-use neutral detergent, thoroughly rinse off the detergent, and leave the part in shade to dry off.

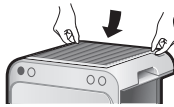
Removing

Place fingers into the notches in the top of the unit and lift.



Attaching

Pay attention to orientation and attach securely.



Unit

When dirt becomes an issue

Wipe

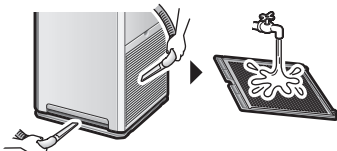
- Wipe up dirt with a soft damp cloth.
- When dirt buildup is severe, wipe up the dirt with a cloth which has been moistened with kitchen-use neutral detergent.
- Do not use a hard brush etc. (Damage may result)

Pre-filter (Front/Left-side/Right-side)

About every 2 weeks

Vacuum clean

Wash/Rinse



- After removing any dust using a vacuum cleaner, remove and wash the filter with water and then leave it in shade to dry off.
- Use a soft brush when cleaning the spaces in the grid.

Attention

- Do not use a cotton bud or hard brush etc. (Partial breakage of the filter may result)
- Do not apply heavy force. (Partial breakage/damage of the filter may result)
- When dirt buildup is severe, leave the part soaking in lukewarm or room temperature water mixed with kitchen-use neutral detergent, thoroughly rinse off the detergent and leave the part in shade to dry off.

Removing



Grip the notch in the pre-filter and pull.

- ① Grip either end of the pre-filter resting your thumb against the unit.

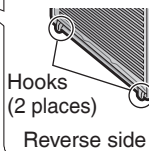


- ② Pull toward you.

Attaching



Insert the hooks (2 places) into the unit and press until you hear a catching sound.



Hooks (2 places)

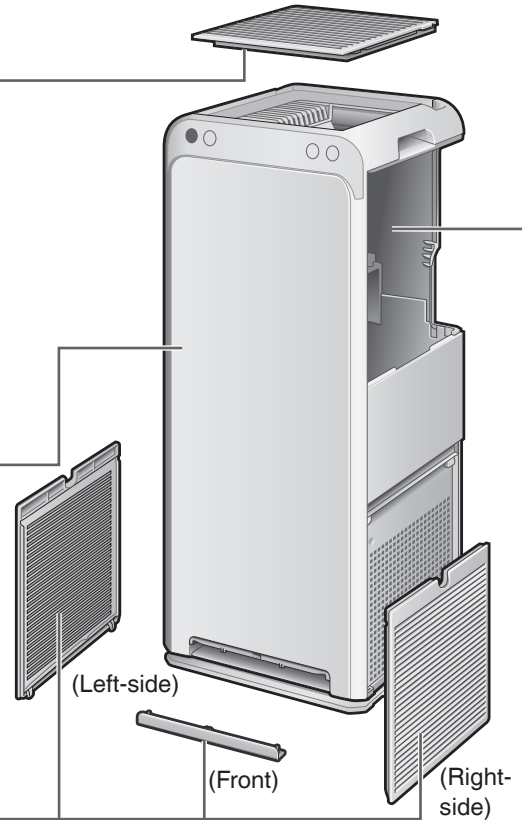
Reverse side

Insert the hook (1 place) into the unit. Push both ends until securely attached.

Hook (1 place)



Viewed from above

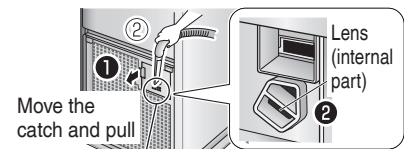


Dust/PM2.5 Sensor

When dust has built up

Vacuum clean

- ① Remove the pre-filter (left-side).
- ② Vacuum off any dust that has adhered to the air intake for dust/PM2.5 sensor using the vacuum cleaner crevice tool or similar.



Move the catch and pull

Air intake for dust/PM2.5 sensor

About every 3 months **Wipe**

- ① Remove the pre-filter (left-side) and the cover for the air intake for dust/PM2.5 sensor.
- ② Wipe the lens with a dry cotton bud.



Lens

Use a light if hard to see

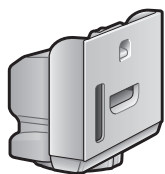
Use the vacuum cleaner crevice tool or similar to remove any dust that has built up around the lens.

- ③ Place the cover on securely. (Malfunction may result if the cover is off)

! WARNING

- Do not use petrol, benzine, thinner, polishing compound, paraffin, alcohol, etc. (An electric shock, fire or cracking may result)
- Do not wash the main unit with water. (An electric shock, fire or malfunction/breakage may result)

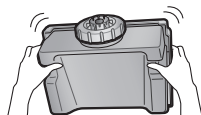
Water Tank ▶Page 13



[Inside the water tank]
Every time the water tank is refilled

Wash/Rinse

- Clean the water tank by filling it with a small amount of water, closing the cap, and shaking.
- When dirt is hard to remove, clean with a soft brush or diluted kitchen-use neutral detergent and thoroughly rinse off the detergent.



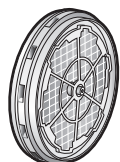
[Exterior of water tank]
When dirt on the exterior of the water tank becomes an issue

Wipe

- 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.



Humidifying Filter Unit For details on cleaning and removal/attachment, refer to ▶Page 25, 26



About every 1 week or when odour or dirt becomes an issue

Soak or

Soak using neutral detergent or baking soda

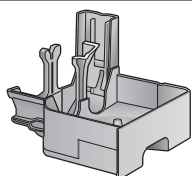
Each season or when water scales (white and brown) are hard to remove

Soak in citric acid or lemon juice

About every 10 years

Replace

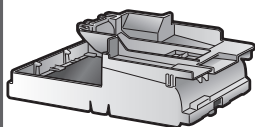
Humidifying Tray For details on cleaning and removal/attachment, refer to ▶Page 25



About every 3 days or when odour or dirt becomes an issue

Wash/Rinse

Deodorising Filter Unit ▶Page 28



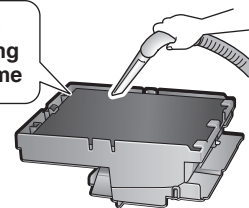
When odour or dirt becomes an issue

Vacuum clean

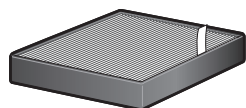
Do not use water

- Remove from the unit together with the frame and remove dust using a vacuum cleaner.
- **If odour becomes an issue, leave the part in a shaded, breezy area. (about 1 day)**
- Do not scrub the surface.
- Do not use water when cleaning. (If water is used, the part will lose its shape and become unusable.) ▶Page 31

Do not detach the deodorising filter from frame



Dust Collection Filter ▶Page 28



About every 10 years

Replace

Do not use water

Do not vacuum clean

- Do not use a vacuum cleaner or use water when cleaning. (If the filter is damaged or holes are opened etc., dust will pass through the filter and capacity for dust collection will be reduced.)

Attention

- Observe in order to prevent discolouration or deformation.
 - If detergent is used, be sure to wipe it up thoroughly so none remains.
 - If warm water is used, make sure that it is 40°C or less.
 - Do not leave parts to dry in direct sunlight.
 - Do not dry parts using a dryer.
 - Do not apply fire to parts.
- If using a vacuum cleaner, be sure not to apply force to or hit the part. (Damage may result)
- Do not apply deodorising spray or other types of spray to the unit, or use near the unit. (Malfunction may result)

Maintenance

⚠ WARNING

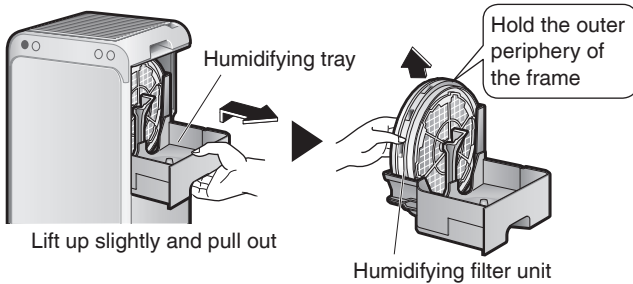
Before cleaning and maintenance work, be sure to unplug the unit. (An electric shock or injury may result)

Removing the humidifying tray and humidifying filter unit

1. Take out the water tank from the main unit.

▶Page 13

2. Remove the humidifying tray and then remove the humidifying filter unit from the tray.



Lift up slightly and pull out

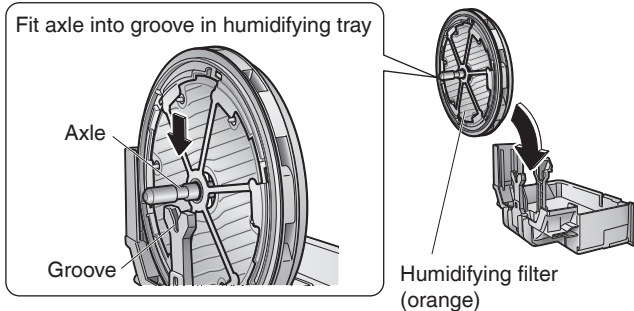
Humidifying filter unit

- Pull out the tray gently, because if there is any water inside, the water surface may ripple and it may spill out.
- When carrying, hold the base of the humidifying tray.

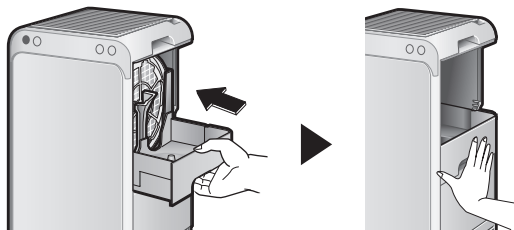
Attaching the humidifying tray and humidifying filter unit

1. Attach the humidifying tray and humidifying filter unit.

① Attach the humidifying filter unit to the tray.



② Fully push in the humidifying tray to the main unit.



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

Attention

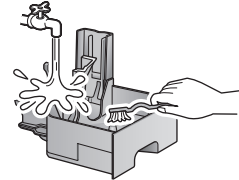
After installing the humidifying tray to the main unit, do not forcibly rotate the humidifying filter unit. Malfunction may result.

2. Put the water tank in. ▶Page 13

Humidifying Tray Wash/Rinse

About every 3 days or when odour or dirt becomes an issue

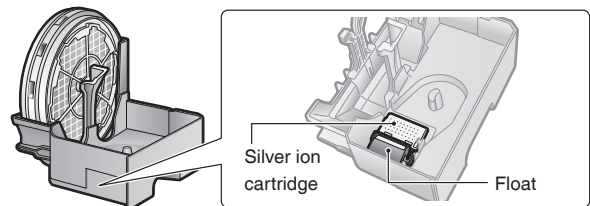
Clean with water.



- Use a soft cloth or brush to clean hard-to-reach places.
- For areas on the tray with water scales, clean with a soft cloth or brush soaked in lukewarm or room temperature water in which citric acid has been dissolved, and then rinse with water.
- Be careful not to immerse the silver ion cartridge in lukewarm or room temperature water in which citric acid or baking soda has been dissolved. Doing so will result in loss of the capacity for slime-resistance.
- Citric acid may be purchased at a pharmacy, drug store or super market.
- Depending on water quality and the usage environment, water in the humidifying tray may become discoloured due to water scales etc. In such cases, clean the tray in accordance with the above.

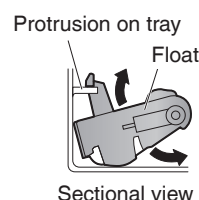
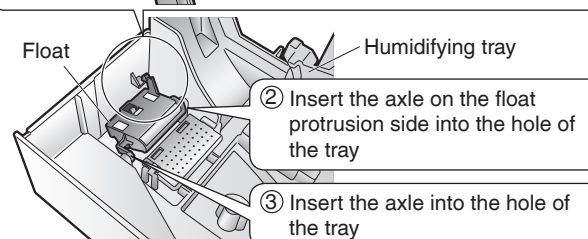
About float and silver ion cartridge

- **Do not remove the float or silver ion cartridge.**
 - If the float is removed, the Humidifying operation cannot be run.
- If the silver ion cartridge is removed, loss of the capacity for slime-resistance will result.



If the float detaches from the tray

① Place the float protrusion onto the tray protrusion



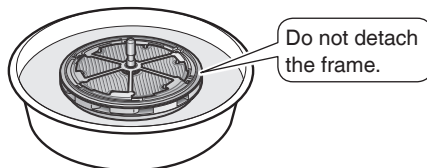
- Check the smooth movement of the float after the attachment.
- If the float rises to the water surface when the tray is filled with water, it has been attached correctly.

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

Humidifying Filter Unit **Soak**

About every 1 week or when odour or dirt becomes an issue

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



When odours or dirt are hard to remove

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

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



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



- Baking soda may be purchased at a pharmacy, drug store or super market.

Each season or when water scales (white and brown) are hard to remove

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

Usage quantity:
2 tablespoons of citric acid in 3L of water



If dirt buildup is an issue, extend the soaking time.

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

Usage quantity:
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.

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

Each season, clean using citric acid or lemon juice.

Precautions when cleaning humidifying filter unit

- Do not apply force when cleaning the humidifying filter. (Deformation may result)
- Clean by scrubbing gently with a soft sponge.
- Do not use a brush or scrub forcibly.
- To prevent bad odours and discolouration, be sure to thoroughly rinse off the parts with clean water. (Even if discolouration 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.

Attention

Dirt buildup varies by the usage environment of the humidifying filter.

It is recommended that you clean the parts if you notice an odour from the air outlet or a reduction in humidifying capacity (water usage rate).

When dirt inside the unit is an issue

When the water tank is removed, white dirt caused by chlorine compounds resulting from water vaporisation may be visible on the inside of the unit, however, this is normal. If the dirt are an issue, perform maintenance following the instructions below.

- 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

Before cleaning and maintenance work, be sure to unplug the unit. (An electric shock or injury may result)

Maintenance

Humidifying Filters Replace

Replace about every 10 years*

About part replacement timing

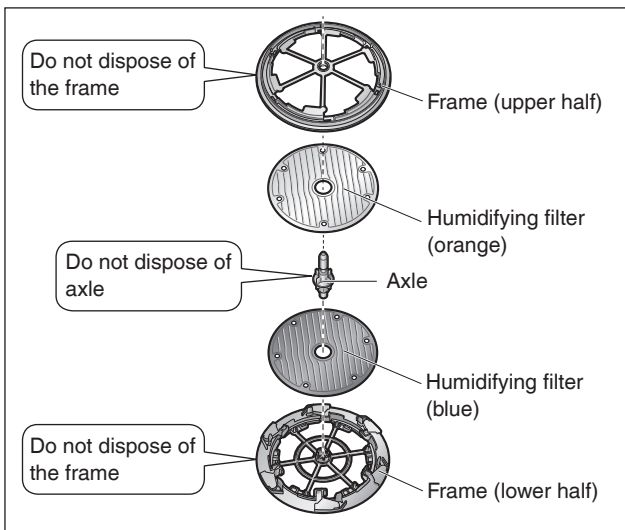
- Replacement timing depends on usage patterns and the location of the unit. Standard replacement time is about 10 years assuming that the filters are used 8 hours per day, 6 months per year, and are cleaned periodically. Replace the humidifying filters if dirt/stains cannot be removed or there is a reduction in humidifying capacity (water usage rate).

* Time until humidifying capacity drops to 50% of the rated humidifying capacity

About purchasing and disposal

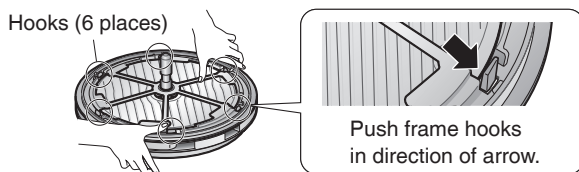
- Refer to "Separately Sold Parts". ▶Page 29

Humidifying filter unit parts breakdown

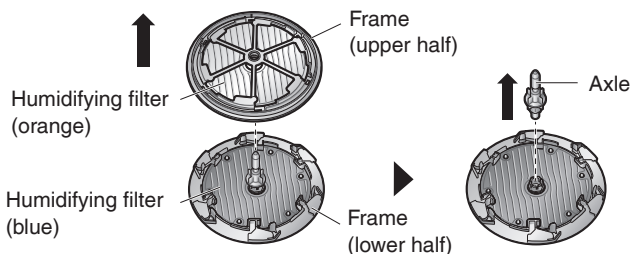


1. Remove the frame and axle.

- ① Release the frame hooks (6 places).

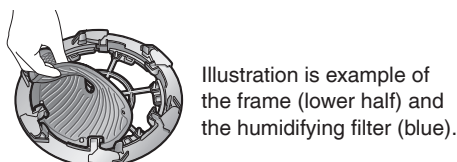


- ② Remove the frame (upper half) and pull out the axle from the frame (lower half).



2. Remove the humidifying filters.

- Detach the humidifying filters from each frame.



3. Attach new humidifying filters to each frame. (Both humidifying filters have a front and back.)

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

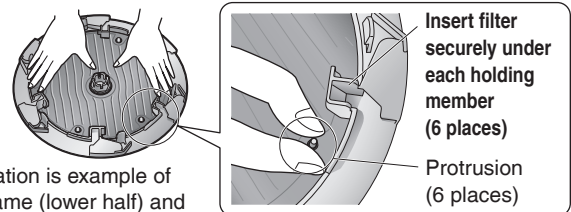
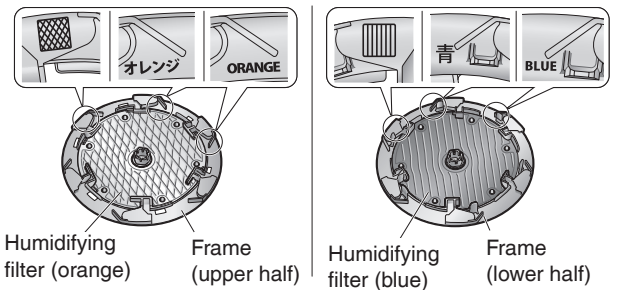


Illustration is example of the frame (lower half) and the humidifying filter (blue).

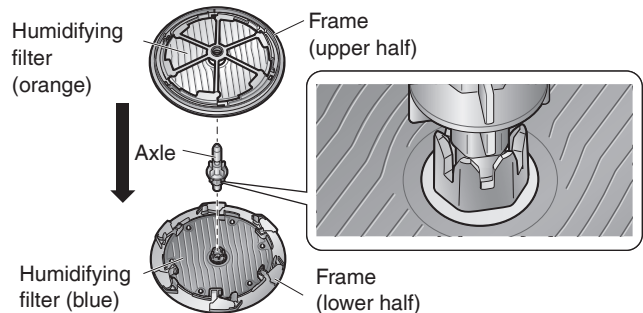
Filter and frame combinations

- Attach the filters to the frames so that the colour and weaving pattern of each filter matches the markings on the frame.

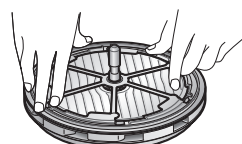


4. Attach the frames and axle.

- ① Align the grooves in the frames (upper half and lower half) with the projections on the axle when attaching.



- ② Insert the hooks (6 places) until you hear a catching sound.



Attention

Make sure that the dust collection filter and deodorising filter unit are attached to the main unit when the unit is operating. If these parts are not attached when the unit is operated, malfunction/breakage may result.

Dust Collection Filter **Replace**

Replace about every 10 years

About part replacement timing

- Replacement timing depends on usage patterns and the location of the unit.
Standard replacement time is about 10 years assuming that the unit is used daily in a home where 5 cigarettes are smoked a day. (Calculation in accordance with testing method of Japan Electrical Manufacturers' Association JEM1467 standard)
If the impurity content of the ambient air is high, the filter will need more frequent replacement.
Replace the dust collection filter if the filter is failing to perform.


About purchasing and disposal

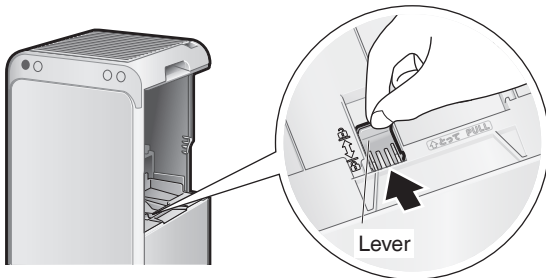
- Refer to "Separately Sold Parts". ▶Page 29

1. Take out the water tank from the main unit. ▶Page 13

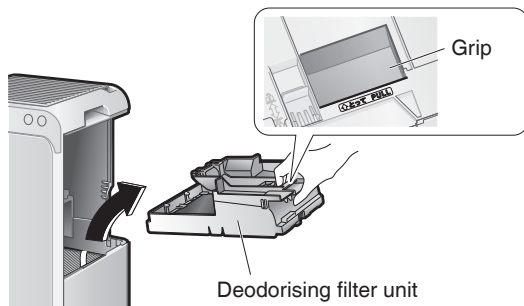
2. Pull out the humidifying tray with humidifying filter unit on. ▶Page 25

3. Remove the deodorising filter unit.

- ① Move the lever on the deodorising filter unit to  to unlock it.

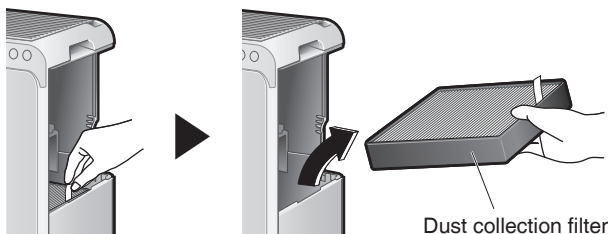


- ② Hold the grip at the top of the deodorising filter unit and lift the part up and out.



4. Remove the dust collection filter.

- ① Pull the filter tag upward
- ② Hold the lower part of the dust collection filter and lift it out.




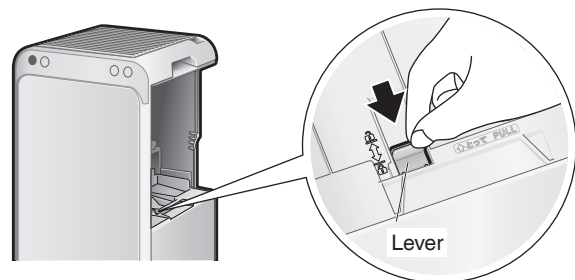
5. Attach a new dust collection filter.

- If it is hard to install, push the dust collection filter while installing.



6. Install the deodorising filter unit into the main unit.

- Attach the deodorising filter unit and move the lever to  to lock it.



Attention

Be sure to lock the deodorising filter unit. If it is not locked when the unit is operated, the generation of abnormal noise and reduced performance may result.

7. Attach the humidifying tray with humidifying filter unit on. ▶Page 25

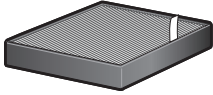
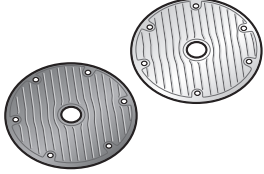
8. Put the water tank in. ▶Page 13

Before cleaning and maintenance work, be sure to unplug the unit. (An electric shock or injury may result)

Maintenance

Separately Sold Parts

Contact the place of purchase.

<p>Replacement part</p> <p>Dust collection filter (electrostatic HEPA filter) (1 piece) Model: KAFF080B4E</p>	<p>Replacement part</p> <p>Humidifying filters (without frame) (Orange: 1 piece, Blue: 1 piece) Model: KNME080A4E</p>
 <ul style="list-style-type: none"> • Replace about every 10 years. • Catches dust and pollen. 	 <ul style="list-style-type: none"> • Replace about every 10 years. • Humidify air by vaporising water during the Humidifying operation.

- Failure to maintain parts properly may result in:
 - Reduced air purifying capacity
 - Reduced deodorising capacity
 - Emission of odours
- Observe local waste separation rules when disposing of the dust collection filter (made of polyester and polypropylene) and the humidifying filters (made of polyester).

■ Disposal requirements



Your product and the batteries supplied with the controller are marked with this symbol. This symbol means that electrical and electronic products and batteries shall not be mixed with unsorted household waste. For batteries, a chemical symbol can be printed beneath the symbol. This chemical symbol means that the battery contains a heavy metal above a certain concentration. Possible chemical symbols are:

- Pb: lead (>0.004%)
- Hg: mercury (>0.0005%)

Disposal of this product must be done in accordance with relevant local and national legislation.

Units and waste batteries must be treated at a specialized treatment facility for re-use, recycling and recovery.

By ensuring correct disposal, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

When Not Using the Unit for a Prolonged Period

- 1. Unplug the power supply.**
- 2. Discard any residual water in the water tank and humidifying tray and then clean the parts.** [▶ Page 23, 24](#)
- 3. Leave internal parts in a shaded area to dry off.**
 - In particular, parts cleaned with water should be completely dry. (Mould 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/breakage may result from storing the unit upside down or horizontally)

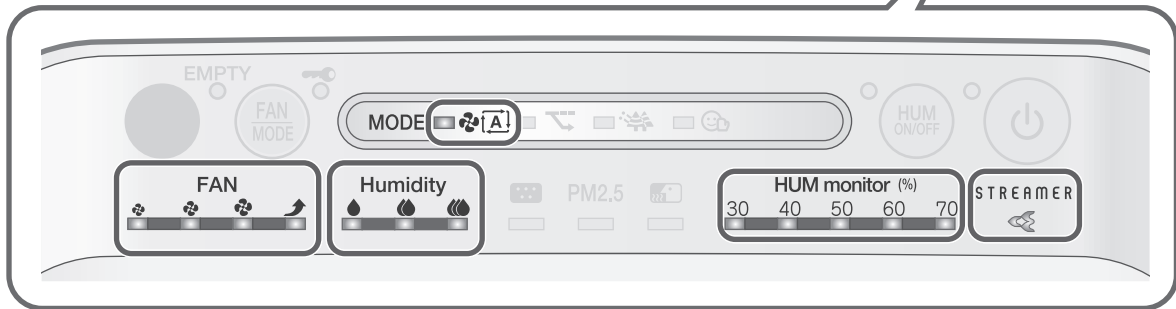
If Not Using the Humidifying Operation for a Prolonged Period (during the off-season etc.)


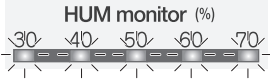

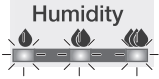
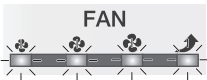
- 1. Unplug the power supply.**
- 2. Discard any residual water in the water tank and humidifying tray and then clean the parts.** [▶ Page 23, 24](#)
- 3. Leave internal parts in a shaded area to dry off.**
 - In particular, parts cleaned with water should be completely dry. (Mould may result from remaining moisture)
- 4. Insert the power supply plug into the socket.**
- 5. Run the air purifying operation.**

About the Indicator Lamps

Operating/Indicator panel

Check the indicator lamps and respond as indicated below.



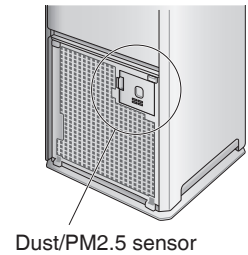
Indicator lamp	Cause/Solution	
<p>Streamer lamp</p> <p>The lamp blinks</p> 	<p>This lamp blinks if the deodorising filter unit has become detached or is not properly attached. → Attach the deodorising filter unit properly. (▶Page 28)</p>	
<p>HUM monitor lamp</p> <p>All 5 lamps blink at the same time</p> 	<p>An electrical component is faulty. → Contact the place of purchase.</p>	
<p>AUTO FAN MODE lamp</p> <p>The lamp blinks</p> 		
<p>Humidity lamp</p> <p>All 3 lamps blink at the same time</p> 	<p>The temperature sensor or the humidity sensor is faulty. → Contact the place of purchase.</p>	
<p>FAN lamp</p> <p>All 4 lamps blink at the same time</p> 	<p>Are the pre-filter, outflow grille, dust collection filter, humidifying filter unit, humidifying tray, and water tank attached? These lamps may blink if the unit is operated without a part attached.</p>	<p>■ If all the parts are attached An electrical component is faulty. → Contact the place of purchase.</p> <p>■ If one or more parts are not attached Unplug the power supply, re-attach the parts and then turn the unit on again.</p>
<p>Is there a buildup of dust on the pre-filter?</p>	<p>■ If there is no dust buildup An electrical component is faulty. → Contact the place of purchase.</p> <p>■ If there is dust buildup Unplug the power supply, clean the pre-filter and then turn the unit on again. (▶Page 23)</p>	
<p>Is the air outlet blocked?</p>	<p>■ If the air outlet is not blocked An electrical component is faulty. → Contact the place of purchase.</p> <p>■ If the air outlet is blocked Remove any obstacles blocking the air outlet and then turn the unit on again.</p>	
<p>These lamps may blink if there is a sudden voltage fluctuation. (▶Page 33)</p>		

FAQs

Please check the following before contacting the place of purchase.

Q: The dust/PM2.5 sensor seems to have poor sensitivity...

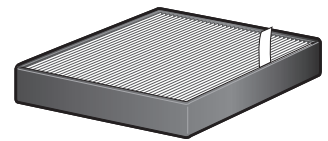
A: Perform periodic cleaning of the dust/PM2.5 sensor as dirt on its lens can lead to poor sensitivity. (▶Page 23)
 In addition, the response time of the dust/PM2.5 sensor depends on room size. Make adjustments in accordance with the procedure for setting dust/PM2.5 sensor sensitivity. (▶Page 21)
 The responsiveness of the dust/PM2.5 sensor may be poor during FAN setting “Turbo” or when airflow is high in AUTO FAN MODE or MOIST MODE.
 The strong airflow causes dust to be drawn into the air inlet before it can be detected by the dust/PM2.5 sensor. This is normal (not a malfunction).



Dust/PM2.5 sensor

Q: Can the dust collection filter be cleaned?

A: No. Do not attempt to clean it with a vacuum cleaner or water.
 (Reduced performance of the dust collection filter may result)
 Replace it if dirt buildup is severe.

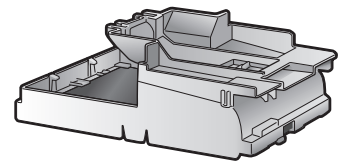


Q: The dust collection filter easily turns black...

A: The blackening does not affect dust collection performance. However, it can be replaced if it is an issue.

Q: Can the deodorising filter be cleaned with water? Or should it be replaced?

A: It cannot be cleaned with water.
 (If water is used, the part will lose its shape and become unusable.)
 If you have inadvertently washed it with water, contact the place of purchase.
 Remove the deodorising filter unit from the main unit and vacuum off dust with a vacuum cleaner.
 It is not necessary to replace the filter.
If odour becomes an issue, leave the part in a shaded, breezy area. (about 1 day) (▶Page 24)



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 filter and vaporising, rather than by boiling water.

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

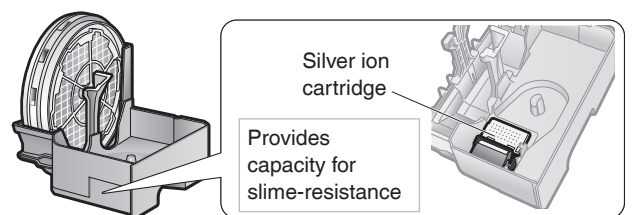
A: Emitted air is a little lower in temperature than the air drawn-in because heat in the air is consumed when the water contained in the humidifying filter is vaporised.

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. Select the humidity setting (High) and increase the airflow rate. (▶Page 36)
 Dirt buildup on the humidifying filter can cause reduced performance. Perform periodic cleaning/maintenance. (▶Page 26)

Q: Is it not necessary to replace the silver ion cartridge attached to the humidifying tray?

A: The silver ion cartridge has a service life of 10 years.



Troubleshooting

■ **Before making an inquiry or a request for repair, please check the following.**

If the problem persists, contact the place of purchase.

■ **In the event of malfunction during operation**

If the indicator lamps light up abnormally, or become inoperable, due to a lightning strike etc., unplug the power supply, wait at least 5 seconds then re-insert the power supply plug and turn the unit on again.



Not a problem




This case is not a problem.









Check

Please check again before requesting repairs.

■ **Unit does not respond**



Phenomenon	Check points
No response even if  on the remote controller is pressed	<ul style="list-style-type: none">  • Has the battery run out? → Replace the battery. ▶Page 14 • Is a button on a remote controller for a TV, VCR or other appliance, stuck pressed down? → If a button on another remote controller is stuck pressed down because it is pressed against a remote controller rack etc., it may interfere with reception. • Is there a device in the room that redirects remote controller signals? → Some appliances such as TV speakers are equipped with these devices. If there is such a device in the room, the signals it emits may interfere with signals from the remote controller, preventing reception.
	<ul style="list-style-type: none">  • To protect the system, the unit may stop operating after a sudden voltage fluctuation. If operating at the time of the voltage fluctuation, operation will resume automatically once voltage returns to normal. Voltage range protection: 180V-264V

■ **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 the Humidifying operation starts/stops.
Bubbling sound during Humidifying operation	<ul style="list-style-type: none">  • A bubbling sound may be generated when water is supplied from the water tank to the humidifying tray.
Sizzling or rumbling sounds during Humidifying operation	<ul style="list-style-type: none">  • These sounds are generated when the humidifying filter unit rotates during the Humidifying operation. 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 25, 26
Splashing sound during Humidifying operation	<ul style="list-style-type: none">  • This is the sound of water splashing on to the humidifying filter.
Hissing sound during operation	<ul style="list-style-type: none">  • A hissing sound is generated when there is streamer discharge during streamer operation. Depending on usage conditions, the sound may lessen or change to a crackling, whirring or guzzling sound. However, this is normal. If the sounds are an issue, move the unit to a different location. ▶Page 20

Troubleshooting







■ Sounds can be heard

Phenomenon	Check points
Whistling and fluttering sound during operation	<ul style="list-style-type: none">  • Is there a buildup of dust on the pre-filter? → Clean this part. ▶Page 23 • Is the dust collection filter clogged up? → Depending on usage conditions, the dust collection filter may become clogged up, shortening its service life. ▶Page 6 Replace the dust collection filter. ▶Page 28
Operating sound is loud	<ul style="list-style-type: none">  • Is the dust collection filter properly attached? → If it is not properly attached, operating sounds may become louder. ▶Page 28


■ Indicator lamps

Phenomenon	Check points
The water supply lamp turns on and off repeatedly	<ul style="list-style-type: none">  • 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 of the unit and unplug the power supply, then fill the water tank with water. ▶Page 13
Indicator lamps do not light up Indicator lamps turn off about 10 seconds after the unit is turned on	<ul style="list-style-type: none">  • Is indicator lamp brightness set to OFF? → If indicator lamp brightness is set to OFF, all lamps except the ON/OFF lamp and water supply lamp will remain off. → If indicator lamp brightness is set to OFF, after the unit is turned on, the brightness of the indicator lamps will be DIM for about 10 seconds and then turn OFF. ▶Page 19
All the FAN lamps ( (Quiet),  (Low),  (Standard), and  (Turbo)) blink together	<ul style="list-style-type: none">  • Are the pre-filter, outflow grille, dust collection filter, humidifying filter unit, humidifying tray, and water tank attached? These lamps may blink if the unit is operated without a part attached. [If one or more parts are not attached] → Unplug the power supply, re-attach the parts and then turn the unit on again. [If all the parts are attached] An electrical component is faulty. → Contact the place of purchase. • Is there a buildup of dust on the pre-filter? [If there is dust buildup] ▶Page 23 → Unplug the power supply, clean the pre-filter and then turn the unit on again. [If there is no dust buildup] An electrical component is faulty. → Contact the place of purchase. • Is the air outlet blocked? [If the air outlet is blocked] → Remove any obstacles blocking the air outlet and then turn the unit on again. [If the air outlet is not blocked] An electrical component is faulty. → Contact the place of purchase.
	<ul style="list-style-type: none">  • These lamps may blink if there is a sudden voltage fluctuation. The lamps will return to their previous condition once voltage returns to normal. Voltage range protection: 180V-264V

Indicator lamps

Phenomenon	Check points
The dust/PM2.5 sensor lamp remains orange or red	<ul style="list-style-type: none">  • Is there a buildup of dust in or around the air intake for the dust/PM2.5 sensor? → Vacuum off any dust from the air intake using a cleaner. ▶Page 23 • Is the cover detached from the air intake for the dust/PM2.5 sensor? → Securely attach the cover. ▶Page 23 • Is the lens for the dust/PM2.5 sensor dirty? → Wipe off dirt from the lens using a dry cotton bud or similar. ▶Page 23 • Is the pre-filter dirty? ▶Page 23 → After cleaning, the unit will return to normal operation a short while after being turned on.
The water supply lamp remains on even though water was added	<ul style="list-style-type: none">  • Is the float in the humidifying tray stuck due to a buildup of water scales? → Remove the water scales using a brush or similar. ▶Page 25 • Is the humidifying tray securely attached? → Insert it securely into the unit until a click is heard. • Is the float in the humidifying tray properly attached? → Attach the float properly. ▶Page 25
There is an odour but the odour sensor lamp remains green	<ul style="list-style-type: none">  • Did an odour already exist around the time you inserted the power supply plug? → The basic sensitivity of the odour sensor will be determined by odour levels in the first minute (approx.) after the power supply plug is inserted every time. ▶Page 9, 10 To adjust the basic sensitivity of the odour sensor, unplug the power supply when the air is clean (odour-free), wait at least 5 seconds, then re-insert the power supply plug and turn the unit on again.
Sometimes the streamer lamp does not light up	<ul style="list-style-type: none">  • Depending on the degree of air impurity, streamer operation may turn OFF. The streamer lamp turns off when streamer operation is OFF. ▶Page 20
	<ul style="list-style-type: none">  • Is streamer output set to Low? → If it is set to Low, the length of time the streamer operates will be shorter than when streamer output is set to Regular. ▶Page 20 • Is the unit operating in ECONO MODE? → The streamer lamp does not light up when the unit is in Monitoring mode. ▶Page 22
The streamer lamp blinks	<ul style="list-style-type: none">  • Is the deodorising filter unit attached? → Attach the deodorising filter unit. ▶Page 28

Air purifying function



Phenomenon	Check points
Air purifying capacity is reduced	<ul style="list-style-type: none">  • Is the unit surrounded by obstacles, or positioned in a place where airflow cannot reach? → Choose a position that is obstacle-free and from where airflow can reach all areas of the room. • Is the pre-filter or dust collection filter dirty? → Clean these parts. ▶Page 23, 24

Troubleshooting






■ Air purifying function

Phenomenon	Check points
The air outlet is emitting an odour	<p>?</p> <ul style="list-style-type: none"> • Is the deodorising filter, humidifying filter or humidifying tray dirty? → Clean these parts. ▶Page 24-26 • Discard any residual water in the humidifying tray each time you refill the water tank. • When using the Air purifying operation only, discard any water in the water tank and humidifying tray. • In some cases the air outlet may emit a slight odour as trace amounts of ozone are generated. However, the amount is negligible and is not harmful to your health. • Is the room filled with odours due to cooking or several people smoking together etc? → The odour will gradually fade as the unit operates. • Have you moved the unit from another room? → The unit may emit the odour of the room in which it was used previously. Let the unit run a while longer. • Is there anything in the room that is emitting an odour continuously? (Paint, new furniture, wallpaper, sprays, cosmetics, chemicals) → As continuously emitted odour cannot be completely eliminated, you should ventilate the room at the same time or run the unit in a well-ventilated room for a short while. Do not apply deodorising spray or other types of spray to the unit, or use near the unit.
No air is being emitted	<p>?</p> <ul style="list-style-type: none"> • Is the air outlet or an air inlet blocked? If they are not blocked, an electrical component is faulty. → Contact the place of purchase.

■ Humidifying function

Phenomenon	Check points
Humidification does not occur even though the water tank contains water (the humidifying filter does not rotate)	<p>✓</p> <ul style="list-style-type: none"> • Since this unit achieves humidification through vaporisation, the water is 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 16
The water in the water tank is not being used up	<p>?</p> <ul style="list-style-type: none"> • Is the humidifier ON/OFF lamp lit? → If the lamp is not lit, press  or . • Is the humidifying filter unit properly attached? ▶Page 25, 27 • Are there any water scales or dirt on the humidifying filter? → Water scales or dirt buildup on the humidifying filter can cause reduced performance. Dirt buildup on the humidifying filter varies according to water quality and may result in reduced performance. Clean the humidifying filter unit. ▶Page 25, 26 • Is the water supply lamp lit? → If it is lit, the humidifying tray is not properly attached. Re-attach the humidifying tray. ▶Page 25 • Is the streamer lamp blinking? → If it is blinking, the deodorising filter unit is not properly attached. If the deodorising filter unit is not properly attached, the airflow rate will decrease and humidification performance will drop. Re-attach the deodorising filter unit. ▶Page 28

■ Humidifying function

Phenomenon	Check points
The HUM monitor lamp always indicates a high humidity level	<ul style="list-style-type: none"> <li data-bbox="568 349 1473 483"> ? <ul style="list-style-type: none"> <li data-bbox="632 349 1473 483"> 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. <li data-bbox="568 490 1473 562"> ✓ <ul style="list-style-type: none"> <li data-bbox="632 490 1473 562"> 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.
The humidity level indicated on the unit differs from other hygrometers	<ul style="list-style-type: none"> <li data-bbox="568 568 1473 669"> ✓ <ul style="list-style-type: none"> <li data-bbox="632 568 1473 669"> 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.
Ambient humidity does not rise	<ul style="list-style-type: none"> <li data-bbox="568 676 1473 777"> ✓ <ul style="list-style-type: none"> <li data-bbox="632 676 1473 777"> When 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. <li data-bbox="568 784 1473 981"> ? <ul style="list-style-type: none"> <li data-bbox="632 784 1473 855"> Are you using the unit in a room with an area larger than applicable? ▶Page 38 <li data-bbox="632 862 1473 981"> Is the target humidity set to  (Low) or  (Standard)? Is the FAN setting set to  (Quiet) or  (Low)? → Select the humidity setting  (High) and increase the airflow rate. ▶Page 16
Room humidity is high but Humidifying operation does not stop	<ul style="list-style-type: none"> <li data-bbox="568 987 1473 1182"> ✓ <ul style="list-style-type: none"> <li data-bbox="632 987 1473 1088"> 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. <li data-bbox="632 1095 1473 1182"> Air purification is always performed with the Humidifying operation. When the humidity set for the Humidifying operation is reached, the Humidifying operation stops but the Air purifying operation continues. <li data-bbox="568 1189 1473 1292"> ? <ul style="list-style-type: none"> <li data-bbox="632 1189 1473 1292"> Is the unit exposed to direct sunlight or warm air from a heating appliance? → Move the unit to a location without such direct exposure.
Water in the water tank is decreasing even though Humidifying operation is not running	<ul style="list-style-type: none"> <li data-bbox="568 1299 1473 1464"> ✓ <ul style="list-style-type: none"> <li data-bbox="632 1299 1473 1464"> Even when only the Air purifying operation is running, if there is water in the water tank, the water may decrease due to spontaneous evaporation caused by air currents and result in slight air humidification. When using the Air purifying operation only, discard any water in the water tank and humidifying tray.
Water splashes out from the air outlet	<ul style="list-style-type: none"> <li data-bbox="568 1471 1473 1778"> ? <ul style="list-style-type: none"> <li data-bbox="632 1471 1473 1572"> Are the pre-filter, outflow grille, dust collection filter, humidifying filter, and water tank properly attached? → Attach them properly. <li data-bbox="632 1579 1473 1778"> When removing the humidifying filters from their frames and replacing them, did you do the following? <ul style="list-style-type: none"> <li data-bbox="655 1624 1473 1657">• Correct the shape of the filters <li data-bbox="655 1664 1473 1697">• Attach both filters <li data-bbox="655 1704 1473 1778">• Attach the filters to the frames so that the colour and weaving pattern of each filter matches the markings on the frame → Attach them properly. ▶Page 27

Troubleshooting

■ Other

Phenomenon	Check points
<p>The fan stops midway through unit operation</p>	<ul style="list-style-type: none"> <li data-bbox="592 360 1490 427"> ✓ • When the unit switches to Monitoring mode during operation in ECONO MODE, the fan turns on and off repeatedly. ▶Page 18 <li data-bbox="592 439 1490 651"> ? • Are the pre-filter, outflow grille, dust collection filter, humidifying filter unit, humidifying tray, and water tank attached before the unit is operated? The fan is configured to stop in order to protect electrical components if a part is not properly attached. → If a part is not attached, unplug the unit and attach all the parts before turning the unit on again.
<p>The sound of streamer discharge can no longer be heard</p>	<ul style="list-style-type: none"> <li data-bbox="592 674 1490 741"> ✓ • Depending on the degree of air impurity, streamer operation may turn OFF. ▶Page 20 <li data-bbox="592 752 1490 808"> ? • Is streamer output set to Low? ▶Page 20
<p>There is water spilled on the floor</p>	<ul style="list-style-type: none"> <li data-bbox="592 831 1490 943"> ? • 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. <li data-bbox="592 954 1490 1032"> • Is the cap for the water tank properly and securely tightened? → If the cap is loose or has been tightened in a tilted fashion, water may leak. Tighten it securely before use. <li data-bbox="592 1043 1490 1122"> • Is there a large buildup of water scales on the humidifying filter? → Water leakage may result from water scale buildup. Clean the part. ▶Page 25, 26
<p>There is interference on our TV screen</p>	<ul style="list-style-type: none"> <li data-bbox="592 1144 1490 1200"> ? • Is the TV or radio positioned within 2m of the unit, or is an indoor antenna positioned near the unit? <li data-bbox="592 1211 1490 1290"> • Are the power supply cord or antenna cable of the TV or radio routed near the unit? → Keep the unit as far as possible from the TV, radio or antenna.
<p>Just inserting the power supply plug causes operation to start</p>	<ul style="list-style-type: none"> <li data-bbox="592 1317 1490 1435"> ? • Did you disconnect the power supply plug during a power failure or when a sudden voltage fluctuation occurred? Or did you stop the unit by disconnecting the power supply plug during the last operation? → The auto-restart function automatically resumes operation.

Specifications

Model name	MCK55WVM							
Power supply	Single phase 50Hz 220-240V / 60Hz 220-230V							
Operation mode	Air Purifying				Humidifying and Air Purifying (at indoor temp.: 20°C, indoor humidity: 30%)			
	Turbo	Standard	Low	Quiet	Turbo	Standard	Low	Quiet
Power consumption (W)	56	17	10	7	58	19	14	11
Operating sound (dB)	53	39	29	19	53	39	33	25
Airflow rate (m ³ /h)	330	192	120	54	330	192	144	102
Humidifying rate (mL/h)	-				500			
Coverage area (m ²)	41				Japanese-style room in wooden house			
					Room in prefabricated house			
External dimensions (mm)	700(H)× 270(W)× 270(D)							
Weight (kg)	9.5 (when the water tank is empty)							
Water tank volume (L)	Approx. 2.7							
Power supply cord length (m)	1.8							

Made in China

- **These specification values are applicable to both 50Hz 220–240V and 60Hz 220–230V.**
- **Even when the power is off, approx. 1W of power is consumed to run the microcomputer.**

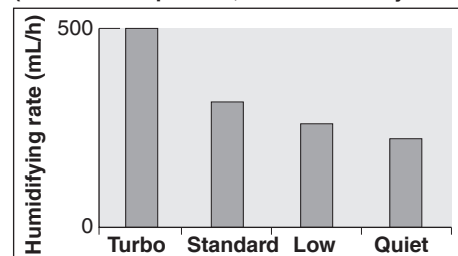
*1. When there is water in the water tank, the water level may fall and ambient humidity may rise slightly.

*2. Humidifying rate was calculated in accordance with JEM1426. (when FAN setting is “Turbo”)

*3. Coverage area was calculated in accordance with JEM1467. (when FAN setting is “Turbo”)

*4. Coverage area was calculated in accordance with JEM1426. (when FAN setting is “Turbo”)

Humidifying rate
(at indoor temp.: 20°C, indoor humidity: 30%)



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The bar code is a manufacturing code.



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