

**SHARP**<sup>®</sup>

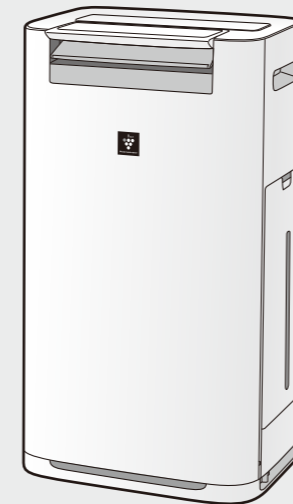
Humidifying Air Purifier

**Operation Manual**

Model

**KC-AH20****KC-AH50**

High-Density 7000



Thanks for purchasing the SHARP Air Purifier.  
Please read this manual carefully before operation.  
Please keep this manual properly for future reference.



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**SHARP**<sup>®</sup>  
SHARP CORPORATION



生産管理用

TINS-A280SRRZ 17D-①

# Features

**Air Purifier equipped with PCI technology solves your troubles throughout the year.**



## Equipped with High-Density Plasmacluster Ion 7000

- Same as ions found in Nature
- Air purifying ability is explained\*1
- Safety is confirmed\*2

High-Density 7000

\*1 Please refer to the notes on the cover of this manual

\*2 Professor Artmann, Aachen University of Applied Sciences, Germany (viruses, molds and bacteria)

Graduate School of Advanced Sciences of Matter, Hiroshima University, Japan (dead bodies of mites and other aerial allergens)

\*3 LSI Medience Corporation

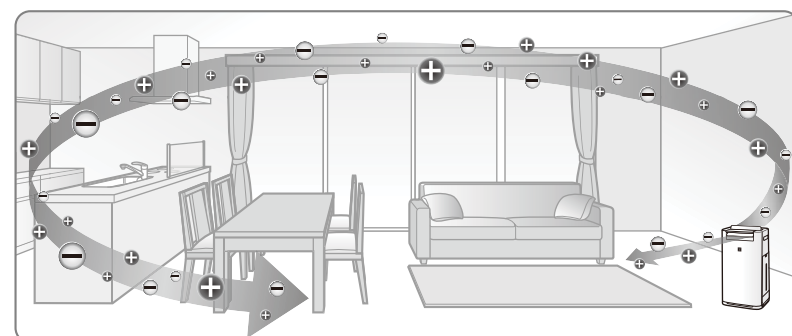
## ● PCI Spot Mode (E-14)

When you feel sensitive to the odor and/or bacteria that are on the sofa, carpet or curtain, please use this mode. It will release PCI to the front intensively, purify the room by catching the odor and/or bacteria.

**TRY ME!** Please direct PCI to the chosen object which may contain a strong smell of sweat, cigarette or cooking.

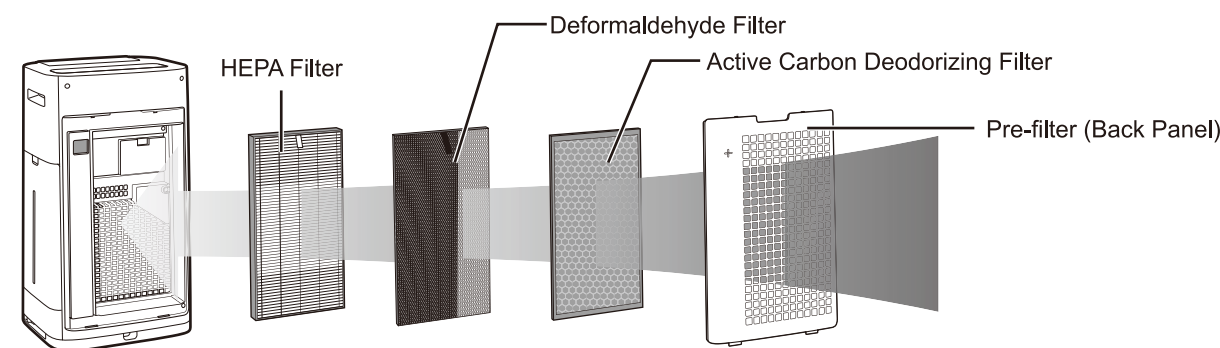
**Please aim the outlet of the front louver to your object.**

**● PCI depresses the generation of static electricity, catches dust, pollen and small particles via its unique circulation way quickly.**



## ● Capture Dust and Remove Odor Through 4 layers of Filters

Through HEPA Filter, Deformaldehyde Filter, Active Carbon Deodorizing Filter and Pre-filter, it purifies the air effectively and efficiently.



## ● PM2.5 Monitor

It displays the approximate amount of PM2.5 by the change of colors and digitals on the indicator.

- PM2.5 is the general term for any particulate matter whose diameter is less than 2.5µm.
- ★ It includes the following matters,
  - smoke of cigarette or incense
  - cooking fume
  - vehicle exhaust
  - smoke of burning material
- The colors and digitals on the indicator is for your reference only.

# Precautions

When using electrical appliances, basic safety precautions should be followed as below.

**Warning**—In order to reduce the risk of electric shock, fire or injury:

- Please read all the instructions in the manual before operating the unit.
- Only use a 220 volt outlet with a polarized receptacle.
- Do not operate the unit if the power cord is damaged or the connection to the wall outlet is loosened.
- Remove dust from the power plug regularly.
- **Do not insert fingers or foreign objects into the air intake or air outlet of the unit.**
- **Please hold the plug firmly instead of pulling the power cord when unplugging the unit.** Otherwise, electric shock, fire or short circuit may occur.
- **Do not remove the power plug when your hands are wet.**
- **Do not operate the unit near gas appliances or fireplaces.**
- **Please remove the power plug from the wall outlet before cleaning the unit or when the unit will not be used for a period.** Otherwise, bad insulation may lead to electric shock, short circuit and/or fire.
- **If the power cord is damaged, it must be replaced by the manufacturer or its agent, Sharp Authorized Service Center or equivalent qualified person so that hazard can be avoided.**
- Do not operate the unit when spraying aerosol pesticides, or there is oil residue, smoke of incense, spark of cigarettes in the room, chemical fumes in the air, or in a highly humidified place such as a bathroom.
- Please take care when cleaning the unit. Strong corrosive cleansers may damage the exterior of the unit.
- 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.
- Only Sharp Authorized Service Center can repair the unit. If any problems, adjustments, and/or repairs occur, please contact your nearest Sharp Service Center.

**Caution**—Radio or TV Interference

Should this unit interfere with radio or television reception, please try at least one of the following measures to amend it:

- Reorient or relocate the receiving antenna.
- Increase the distance between the air purifier and the radio/TV receiver.
- Do not use the same socket to connect this unit and the receiver.
- If you need help, please contact your dealer or professional radio/TV technician.



If the power cord is damaged, it must be replaced by the manufacturer, Sharp Authorized Service Center or equivalent qualified person so that hazard can be avoided.

## Cautions Concerning Operation

- Do not block the Air Intake and Air Outlet.
- Do not place the unit near or on heating objects, such as stoves or heaters, or anywhere it may contact with steam when operating the unit.
- Please always operate the unit in an upright position.
- **Please hold the handles on both sides of the unit firmly when moving the unit.** Hold the panel when moving the unit may cause the panel to fall off, main unit to drop, and injury.
- **Do not operate the unit without installing the filters, Water Tank and Tray.**
- **Do not wash and/or reuse HEPA Filter and Active Carbon Deodorizing Filter & Deformaldehyde Filter.**
- **Clean the exterior of the unit with a soft cloth only.** Otherwise, the unit may be damaged or broken. Moreover, it may lead to breakdown of the sensors.
- **Please clean the unit regularly according to different water quality. The lower the purity of water is, the more often you should clean the unit.**
- **Please keep the unit away from water source.**

## Installation Instruction

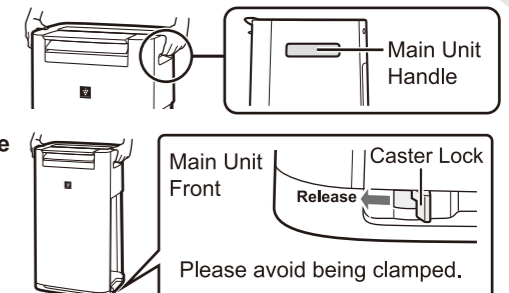
- **When operating the unit, please place the unit at least 2 meters away from equipments with electric waves such as televisions, radios or clocks, so that electrical interference can be avoided.**
- **Do not install the unit in the place where the sensor is exposed to direct wind.** Otherwise the unit may not operate properly.
- **Do not install the unit in the place where objects like curtains are near the Air Intake or Air Outlet of the unit.** Otherwise, such objects may become dirty or the unit may break down.
- **Do not install the unit in the place where the unit is exposed to condensation or drastic temperature changes.** Please operate the unit in the room temperature between 0°C and 35°C.
- **Please place the unit on a stable surface with sufficient air circulation.** If the unit is placed on a thick carpet, it may cause the unit to vibrate slightly.
- **Do not install the unit in the place where dark smoke will generate (e.g. kitchen).** Otherwise, it may cause the surface of unit to crack or the sensor to break down.
- **Please place the unit 30cm to 60cm away from the wall.** It may cause the wall behind the air outlet of the unit to become dirty; if the unit is operated in the same location for a long period, please paste a soft rubber pad on the wall in order to prevent the wall becoming dirty. Moreover, please clean the wall regularly.

## Filter Instruction

- Please follow the instruction in this manual to care and maintain the filters correctly.



- **Before moving, please make sure the unit is unplugged, the Water Tank and the Tray has been removed and please hold the Handles on both sides of the Unit when moving it.** Do not hold the Air Outlet or Louver when moving the unit. (Otherwise, it may lead to leakage, malfunction, damage or injury.)
- **Please make sure all casters have been released before moving the unit.** (Otherwise, it may cause damage to the ground or carpet.)
- **Please open windows for ventilation when the unit is operated together with heating machines.** This unit is not able to remove hazard substances like CO. (It may cause suffocation in case there is no adequate ventilation.)
- **Please change the water in the Water Tank and Tray every day. Please care and maintain them periodically. (E-23,25,26)** Please empty the Water Tank and Tray when the Humidifying Mode is no longer in operation. (Otherwise, the breed of mold and bacteria may lead to stink and allergy to your body.) Please consult your doctor if any discomfort occurs.
- **Please make sure the filters, Water Tank and Tray are installed correctly before operation.** (Otherwise, it may decrease the effect and lead to malfunction.)

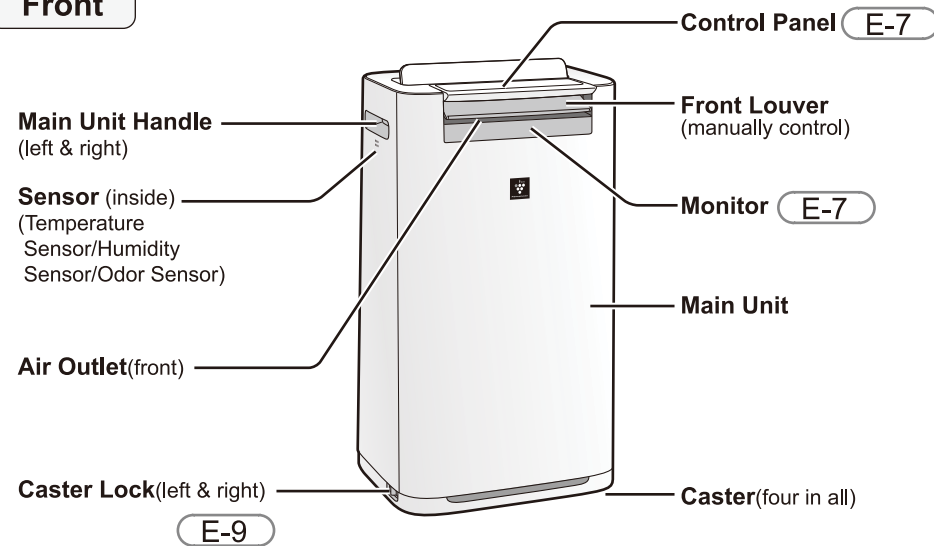




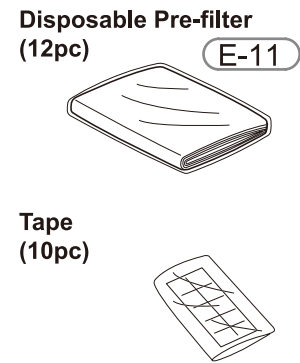
# Parts Names

## Main Unit

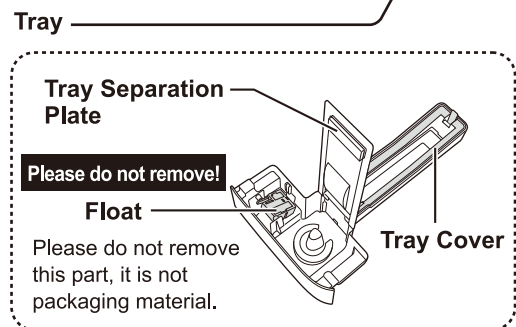
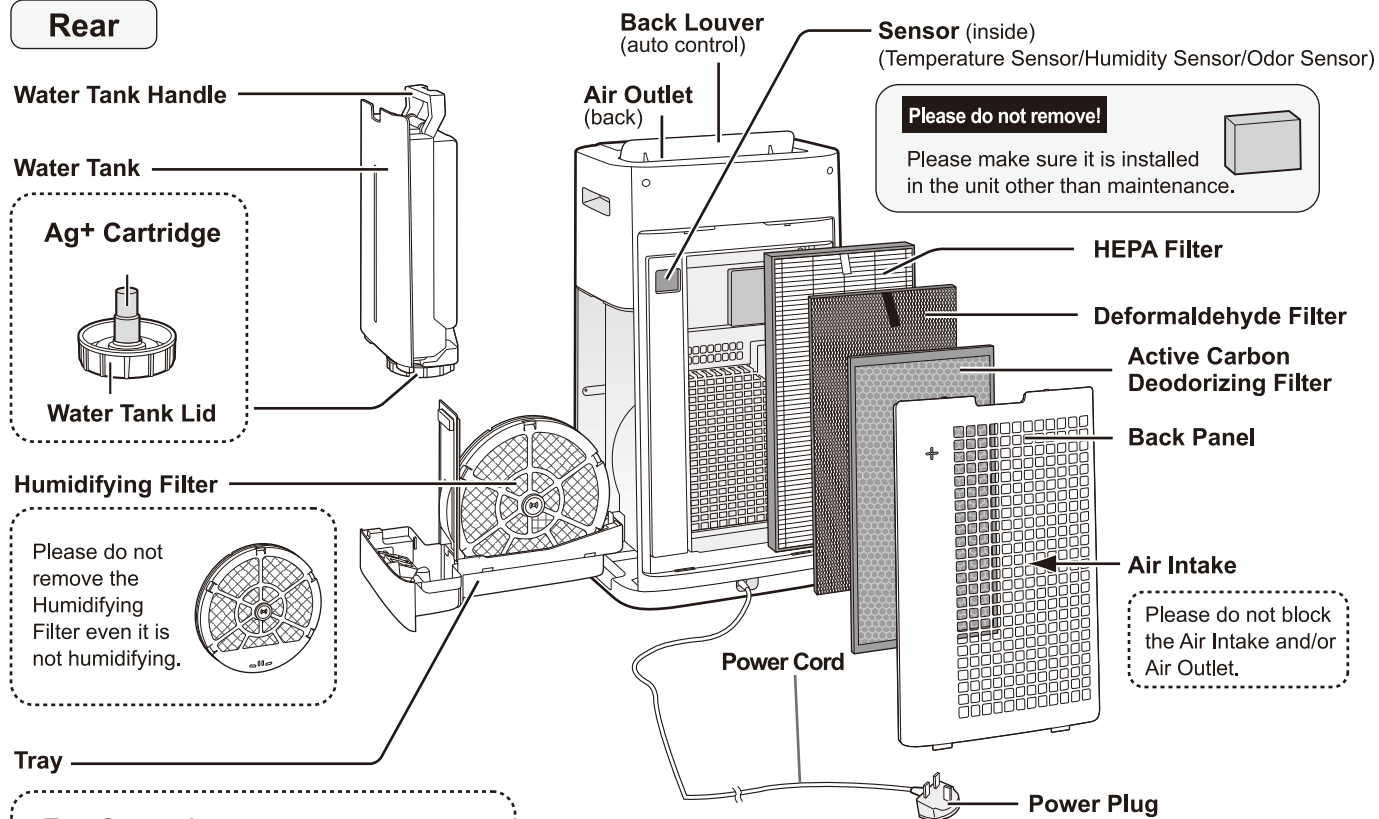
### Front



### Accessories

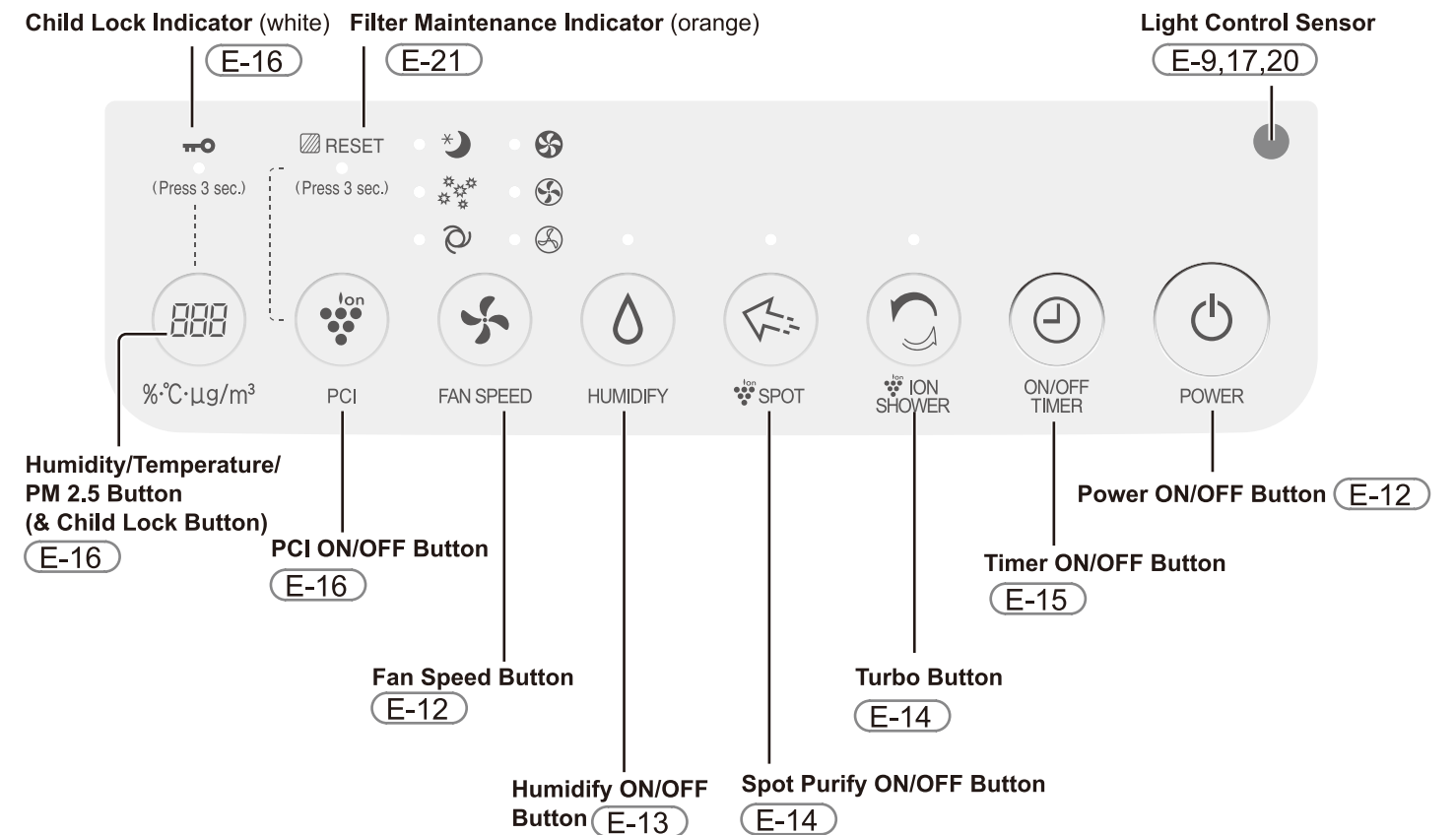


### Rear



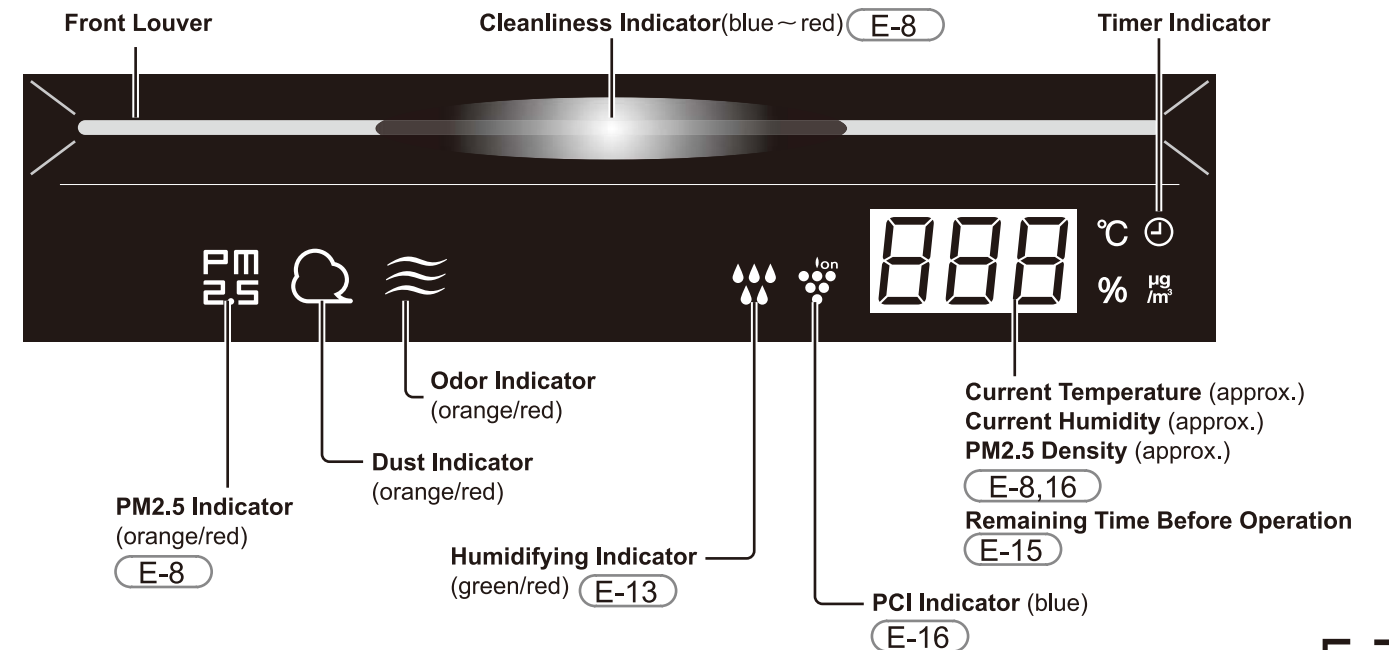
## Control Panel / Monitor

### Control Panel



### Monitor

It displays the room air pollution level (e.g. dust, PM2.5 or odor etc.) and the approximate temperature and humidity.  
(The light of the Monitor can be adjusted according to (E-18,19) )





# Parts Names

## Sensor and Indicator

This unit equipped with 5 sensors and each sensor detect the following matters accordingly.

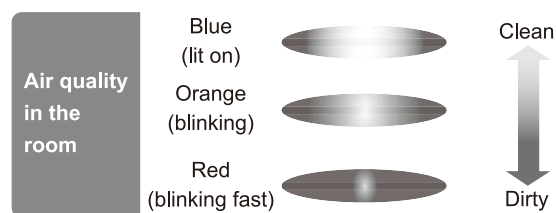
<b>PM2.5 Sensor</b> (i.e. High Sensitive Dust Sensor)	Dust (dirt, feces or dead bodies of mites, spores of molds, pollen), Smoke of Cigarettes, PM2.5 (small particles less than 2.5 $\mu$ m) <b>It detects small particles around 2.5<math>\mu</math>m and big particles like pollen.</b>
<b>Dust Sensor</b>	Odor of cigarettes or lit incenses, cosmetics, alcohol and sprayer
<b>Temperature Sensor / Humidity Sensor</b>	Room temperature and humidity
<b>Light Control Sensor</b>	Brightness of the Room

The Indicator displays the air condition, current temperature and humidity in the room through the sensors accordingly.

### Cleanliness Indicator

Though PM2.5 Sensor (High Sensitive Dust Sensor) and Odor Sensor, it analyzes the air pollution level (big and small particle dust, odor) and displays the result by different colors and the blinking speed on the Indicator.

The approximate amount of PM2.5 particles will be indicated by the change of colors through the sensors.



### PM2.5 Indicator

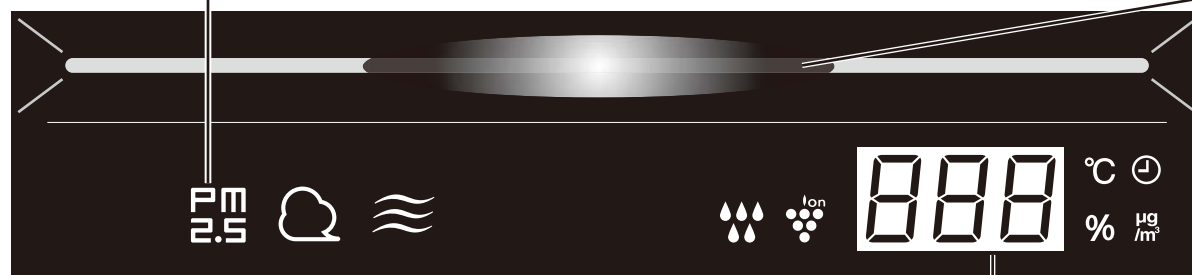
PM2.5 Density (approx.)

OFF	Low	35 $\mu$ g/m <sup>3</sup> when it reads lower than 9 $\mu$ g/m <sup>3</sup>	Lo
Orange		50 $\mu$ g/m <sup>3</sup>	
Red	High	115 $\mu$ g/m <sup>3</sup> when it reads higher than 500 $\mu$ g/m <sup>3</sup>	Hi

★ The below substance also contains PM2.5

- smoke of cigarette or lit incense
- vehicle exhaust
- cooking fume
- smoke of burning material

※The sensitivity of the Indicator can be adjusted in your needs. (E-20)



### Temperature/Humidity Indicator (approx.)

It indicates the approximate current temperature and humidity in the room through the Temperature Sensor and the Humidity Sensor accordingly.

**Current Temperature (approx.) Indicator**  
It varies by 1 $^{\circ}$ C at each press in the range of 0 $^{\circ}$ C to 50 $^{\circ}$ C.



- It cannot be set at your favorite humidity.
- It cannot be used as a dehumidifier.

**Current Humidity (approx.) Indicator**  
It varies by 1 $^{\circ}$ C at each press in the range of 0 $^{\circ}$ C to 50 $^{\circ}$ C.

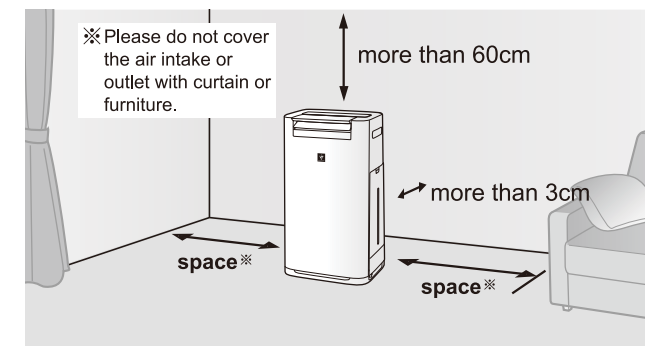


- It cannot be set at your favorite temperature.

# Before Operation

## Location

Please locate the unit at proper places.



The dust collection ability will not be affected even if the unit is located within 3cm from the wall; however, the wall and the ground may be dirtied, therefore, please keep the unit as far as possible.

- Please operate the unit at room temperature from 0 $^{\circ}$ C to 35 $^{\circ}$ C. Otherwise dew or frost may influence the life time of the filter or break the unit down.
- Please avoid direct sunlight.
- Please avoid operating the unit near the outlet of air-conditioners, heaters or windows. Otherwise, it may lead to change of shape, quality and/or color and mishandling of sensor.
- Please put the unit in flat and stable places. Otherwise the unit may fall and leads to injury.
- Please keep the unit away from walls, curtains and furnitures.
- Please keep the floor or wall near the unit clean. Please move the unit and clean the the floor regularly.
- Please keep the unit away from the TV sets, radios or wave watches as the unit may interfere the reception.

### Caution

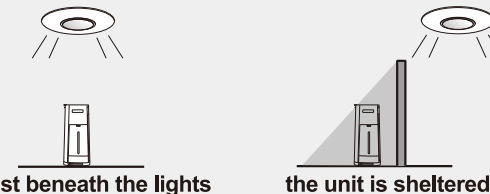
● Please DO NOT use silicone cosmetics near the unit.

\* Hair products such as Mousse, hair-care liquid, make-up, antiperspirant, static electricity protectant, anti-water sprayer, brightener, window cleanser, chemical wiper and wax, etc.

### Light Control Sensor

When the Light Control Button is set at AUTO mode, and the unit is operating at Fully Auto Operation mode or Sleep mode, the Light Control Sensor will adjust the luminance display according to the room condition automatically.

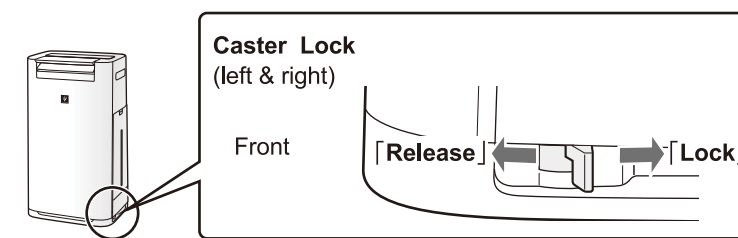
If the unit is placed like the picture below, it may malfunction as the Light Control Sensor cannot monitor the correct situation.



It occurs that the Light Control Sensor does not display in accordance with the room condition when the unit is located in different places. In this occasion, please relocate the unit. Or you may also adjust the sensitivity of the sensor.

(E-17,20)

The unit can be fixed on a certain place by the Caster Lock.



- Please locate the unit at a stable place.
- Please make sure the unit is still. (In case the ground is slippery, it happens that the unit will move even the Caster Lock is fixed.)
- ※ It may cost a little bit strength to fix the Caster Lock.

# Before Operation

## Filter Installation

It catches dust and odor in the room.

**1**

Hasp

Back Panel

Please remove the Back Panel and take the filters out .

- There are 3 filters in the unit.

**2**

HEPA Filter    Deformaldehyde Filter    Active Carbon Deodorizing Filter

Please take these 3 filters out of the plastic bags.

- Please do not wash the HEPA Filter, Active Carbon Deodorizing Filter and Deformaldehyde Filter. (Otherwise these filters may lose efficacy.)

**3**

HEPA Filter

Please put the labelling side outwards.

Active Carbon Deodorizing Filter

Deformaldehyde Filter

Please install the HEPA Filter, Deformaldehyde Filter and Active Carbon Deodorizing Filter according to the instruction as illustration.

- Please install the filters according to the instruction. Please put the labelled side outwards when installing the Particle Filter. If installed in an opposite direction, there might be no effective purifying result.
- It will be easier for you to take the filters out if you drag the label of the Particle Filter to the Deodorizing Filter.

no difference on both sides

HEPA Filter (with label)

Deformaldehyde Filter (with label)

Active Carbon Deodorizing Filter

**4**

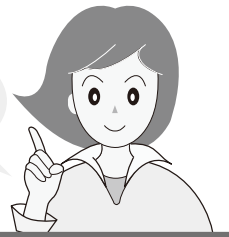
click

Install the Back Panel

Please insert the hasps correctly.

Hasp (left & right)

Please unplug the unit before installing the filters.



## How to Install the Disposable Pre-filter

Please install the Disposable Pre-filter according to the following instruction. It will make it easier to maintain the Back Panel. (Replacement Cycle: once a month)

**Install**

KC-AH50    KC-AH20

Sensor    Disposable Pre-filter    Sensor

Tape

- Please try to cover the whole Back Panel but avoiding the Sensor. (It may cause the Sensor out of work if the Sensor is covered.)

**1**

Tape (10pc)

Stick the tapes on the Back Panel. (8pc)

- Please take off the Back Panel when it is hard to stick the Disposable Pre-filter.

**2**

Disposable Pre-filter

no difference on both sides

Stick the Disposable Pre-filter on the tapes.

- Please stick the Disposable Pre-filter on the Back Panel firmly. (Otherwise, it may affect the operation.)

**Replac**

① Please tear down the old Disposable Pre-filter and throw it away.

② Replace with a new Disposable Pre-filter on the Back Panel.

- Please put paper under the filter when replacing, otherwise the surrounding may be polluted.
- Please do not tear down the tapes.
- Please discard the used Disposable Pre-filter according to the garbage classification method in your area. material of Disposable Pre-filter.....PET

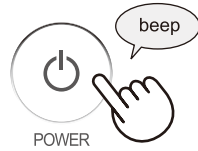
# Operation

Please insert the power plug into the power socket.



## Power ON/OFF Mode

Operation



### Power ON/OFF

- It will operate at the same mode as the last operation except for the modes shown on **(E-14)**. When the plug is inserted into the power socket, the unit will operate at AUTO Mode.



When Power is turned on, the Back Louver will open automatically.

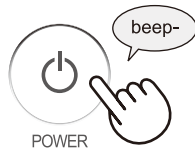
You can choose your favorite operation mode during operation.



- The Front Louver can be adjusted manually. **(E-15)**
- The Humidifying Indicator will blink in RED when there is no water left in the Water Tank while Humidifying Mode is set on.

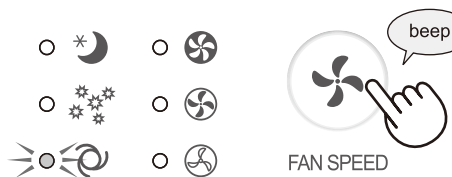


Stop



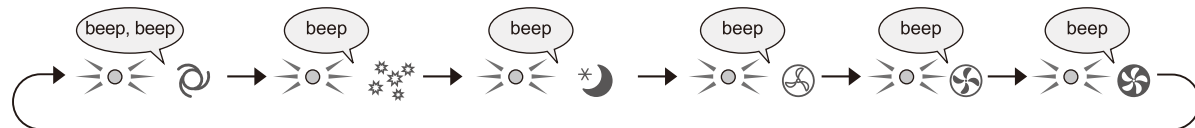
## Fan Speed

Set



In operation You can choose your favorite Fan Speed.

- When the unit is operated at Spot Purify Mode or PCI Shower Mode, you cannot choose your favorite Fan Speed.



**It will adjust Fan Speed to the most suitable mode automatically according to the room condition.**

**When there is too much pollen or dust**  
PM2.5 Sensor (i.e. High Sensitive Dust Sensor) will be turned to HIGH sensitivity automatically, and it will purify the room by detecting the room condition. (Fan Speed is a little bit stronger than Auto Mode)

**When you want to have a rest, requires a quiet and dark environment**  
Fan Speed will be set at Auto to control the noise. When the lights are out, the Indicator light will be off when the Light Control Button is set at Auto. **(E-19)** (Only the Monitor will go off, the lights on the Control Panel will still be on.)

Operating at LOW Fan Speed.

Operating at MEDIUM Fan Speed.

Operating at HIGH Fan Speed.  
(Operation sound will increase.)

## Humidifying Mode

Fill Water

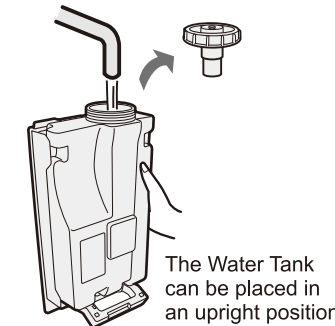
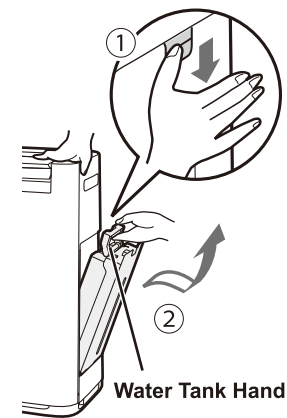
Please fill tap water in the Water Tank if you want to set on the Humidifying Mode.

- 1 Please push down the Handle of the Water Tank.
- 2 Pull outwards to take out the Water Tank.

Empty the Water Tank and fill in tap water after cleaning.

Close the Water Tank firmly and make sure there is no leakage.

Wipe off the water near the Water Tank and then install it to the unit.



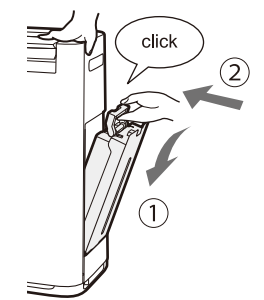
Please do not put the Water Tank Lid side down, otherwise it may lead to leakage.

Make sure the Unit will not move around when installing the Water Tank.



The Water Tank can be placed in an upright position.

Please add water till this line at most.

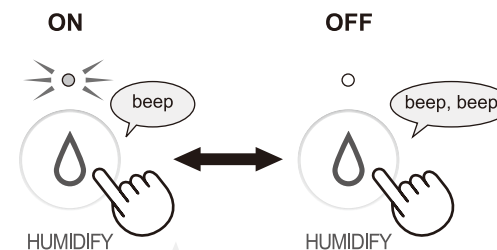


### Caution

- Please use tap water only, otherwise it may cause breed of bacteria.
- Please do not use hot water ( $\geq 40^{\circ}\text{C}$ ), sesame oil, chemicals, sewage, abstergent or aromatic etc, otherwise it may cause odor, crack or leakage.
- Please do not incline or shake the Unit violently, otherwise it may cause leakage.

When Humidifying Mode is set on, it will humidify the room until it reaches a proper humidity. (You cannot choose your favorite Humidity.)

Humidifying ON / OFF



- It will adjust the humidity as illustrated at right. (The figure in the bracket is the figure when Fan Speed is set at Sleep Mode.)
- When Fan Speed is set at Low, Middle or High, it will keep humidifying all the time.

Room Temperature	Humidity
$\sim 18^{\circ}\text{C}$	65%(65%)
$18^{\circ}\text{C} \sim 24^{\circ}\text{C}$	60%(65%)
$24^{\circ}\text{C} \sim$	55%(60%)

### Humidifying Indicator Light

- Off Not humidifying
- Green Humidifying
- Blinking in Red Fill Water

- When the Water Tank is empty, the Humidifying Indicator Light will blink in RED, while the unit will continue to operate without Humidifying.
- Once it reaches the proper humidity, the Humidifying Indicator Light will go off. (Only when the unit takes control of the adjustment of humidity.)

### Caution

- According to different room size and condition, the humidification effect may not be that perfect or the humidification amount may be excessive.
  - If it cannot reach the proper humidity.....Please set Fan Speed at High or Medium.
  - If the humidity is excessive.....Please turn off the Humidifying Mode.

Operation



# Operation (continue)

## Turbo Mode

When you want to clean the room air immediately

Operation

In Operation



after 60 mins  
return to its former mode

- During the first 10 minutes, the unit will release Plasmacluster Ion at the highest fan speed, collect dust and control static electricity. In the following 50 minutes, the PM2.5 Sensor (i.e. High Sensitive Dust Sensor) will operate at HIGH mode, monitoring the air condition and purifies the room automatically. (Fan Speed will be stronger than Auto Mode.)

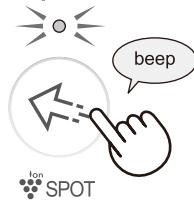
- Get rid of the dust in the room quickly
- Solution to virus and/or pollen when you go back home
- Laundry are taken out of the Washer
- Remove odor as soon as possible
- Solution to the odor after cooking or cleaning

## Spot Purify Mode

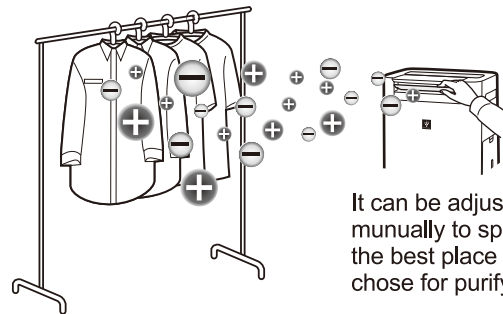
When you want to clean and maintain the sofa, carpet and/or curtain intensively

Operation

In Operation



after 8 hours  
return to its former mode



It can be adjusted manually to spot at the best place you chose for purifying.

- The unit operates at HIGH Fan Speed for about 8 hours and releases Plasmacluster Ion intensively.
- There will be little wind coming out backwards, however it will not affect its performance.

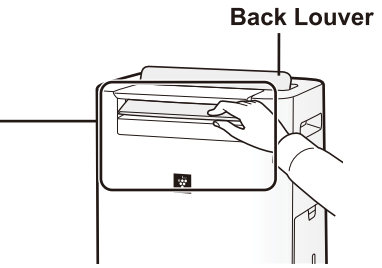
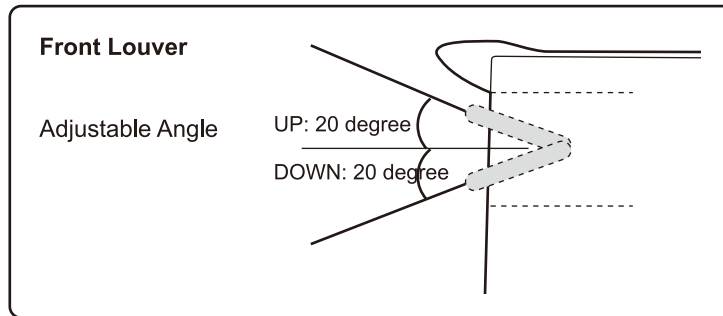
Caution

### Turbo Mode and Spot Purify Mode

- PCI button will be set at ON automatically.
- If that same button is pressed when the unit is in operation, it will return to its former operation mode after the beeping sound.
- Press Power ON/OFF button to stop the unit, when you press Power ON/OFF button again, it will resume to the former operation mode instead of Turbo Mode or Spot Purify Mode.
- Even the unit is set at Auto Recovery (E-19), if the unit is operating at Turbo Mode or Spot Purify Mode, it will not resume to such modes after power failure.
- When the Humidifying Mode is set on, once it reaches a proper humidity, the Humidifying Indicator Light will go off.

## Change of Louver Direction

The Front Louver can be adjusted by manual.



Caution

- The Back Louver is automatically adjusted, otherwise it may lead to leakage or injury.

# Function

## ON/OFF Timer

Once set, it will operate or stop as scheduled automatically.

ON

OFF



Press ON/OFF Time button



Each press will change the modes as follows after the beep sound. You can choose your favorite time.

0H → 2H → 4H → 6H → 8H → 10H → 12H → 14H

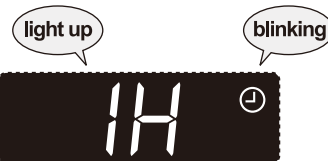
- If there is no operation in five seconds, the setting will be finished with a beep. The Timer Indicator Light will be on and displays by hour the remaining time of starting the operation.
- When the setting is done, press one time of the ON/OFF Timer button will display the remaining time to start the operation, while double press can reset the Timer.

OFF

In Operation



Press ON/OFF Time button



Each press will change the modes as follows after the beep sound. You can choose your favorite time.

0H → 1H → 2H → 4H → 8H

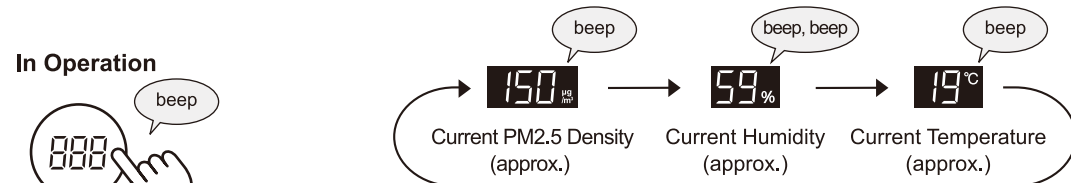
- If there is no operation in five seconds, the setting will be finished with a beep. The Timer Indicator Light will be on and displays by hour the remaining time to finish the operation.
- When the setting is done, press one time of ON/OFF Timer button will display the remaining time of finishing the operation, while double press can reset the Timer.

# Function (continue)

## Temperature/Humidity/PM2.5 Density Indicator

When you want to know the approximate figure of current Temperature, Humidity or PM2.5 Density

Display



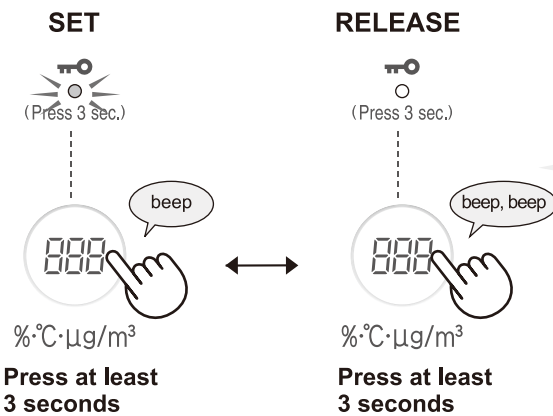
%°C·μg/m<sup>3</sup>

- It indicates the approximate figure of current humidity, temperature and PM2.5 density. The readings might be different from the ones on other thermometers or hygrometers. It's for your reference only.

## Child Lock

When you want to avoid touching or mishandling by children

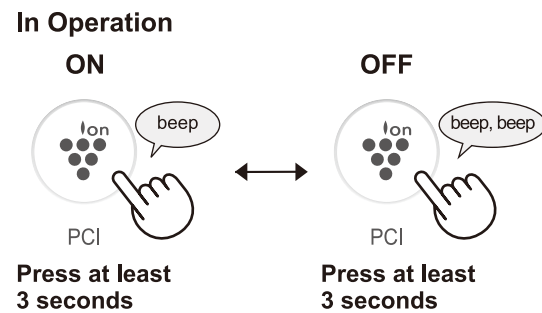
Set / Cancel



- Once the Child Lock is set, no button is functional except releasing the Child Lock.
- Once the Power Cord is taken off, the setting will be cancelled. However, if the unit is set at Auto Recovery Mode, the Child Lock cannot be cancelled even unplugging the unit. (E-19)

## Plasmacluster Ion ON/OFF

ON / OFF



- When the PCI Mode is set at OFF, the unit will stop releasing Plasmacluster Ion and the PCI Indicator will go off.



## Mode Settings

### Function & Mode Settings

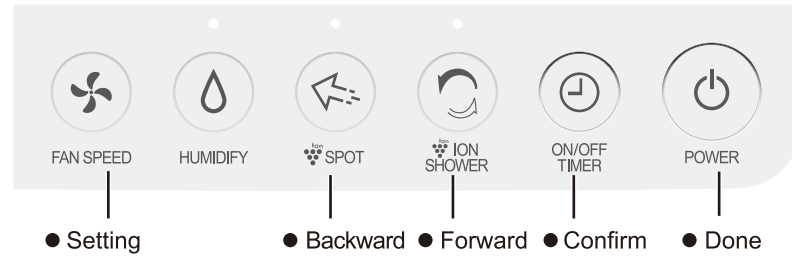
The highlight part is the default status

Display	Comments	Setting Serial No.
<b>Light Control</b> F1	It adjusts the luminance of the monitor. (E-19)	01 (beep, beep) → 02 (beep) → 03 (beep) AUTO    DIM    OFF
<b>Add Water</b> F2	It indicates through the sound of beep. (E-19)	01 (beep, beep) → 02 (beep) Without Indication Sound    With Indication Sound
<b>Auto Recovery</b> F3	The unit will return to its former operation once it resumes from the power failure. (E-19)	01 (beep, beep) → 02 (beep) OFF (release)    ON (set)
<b>Sensitivity of Light Control Sensor</b> F4	The sensitivity of Light Control Sensor can be adjusted. (E-20)	01 (beep) → 02 (beep, beep) → 03 (beep) LOW    STANDARD    HIGH
<b>Sensitivity of PM2.5 Sensor</b> F5	The sensitivity of PM2.5 Sensor (i.e. High Sensitive Dust Sensor) can be adjusted. (E-20)	01 (beep) → 02 (beep, beep) → 03 (beep) LOW    STANDARD    HIGH
<b>Sensitivity of Odor Sensor</b> F6	The sensitivity of Odor Sensor can be adjusted. (E-20)	01 (beep) → 02 (beep, beep) → 03 (beep) LOW    STANDARD    HIGH

# Function (continue)

## Mode Settings

### How to Change The Setting



**1 Not In Operation**

Press at least 3 seconds **F1** Display Functional Code **Mode setting**

**2 Choose the mode that you want to use**

Press Button , it will forward one step.  
Press Button , it will backward one step.

**confirm**

**3 Choose the mode that you want to use**

e.g. When you want to change the luminance of the monitor.

Press Button , it will forward one step.  
Press Button , it will backward one step.

**confirm**

**4 Finish setting**

Lights off.

**Caution**

- If you want to continue other functional settings, you can do step 2 and step 3 again.
- If there is no operation within 1 minutes, the Indicator Light of the Monitor will go off and the setting will be done.
- As to the finished setting, the unit will memorize your setting automatically even when the power plug is taken out.

## Mode Settings

### Light Control **F1**

**01** beep, beep **AUTO**

It adjusts the luminance of the Monitor automatically according to the status detected by the Light Control Sensor. (By Default)

- When it is bright in the room----displays in Bright (at SLEEP Mode, the display will be dim)
- When it is dark in the room----displays in Dim (at SLEEP Mode, the Monitor will be off)

**02** beep **DIM**

It displays in a dim way.

**03** beep **OFF**

The Monitor goes off.

- The Humidifying Indicator will still blink in a dim way if the Water Tank is empty even the Monitor Light is set at OFF.
- If the Monitor Light is set at OFF, the Monitor will operate at Dim for 3 seconds before going off.

### Fill Water Indicator **F2**

**01** beep, beep without Indication Sound

The Humidifying Indicator blinks with no sound. (By Default)

**02** beep with Indication Sound

The Humidifying Indicator blinks with a sound of beep which lasts for 10 seconds. When SLEEP Mode is set on, once the Light Control Sensor detects that it is dark in the room, it will not beep.

### Auto Recovery **F3**

**01** beep, beep **OFF (release)**

When there is a power failure or the unit is unplugged in operation, it will not restart to operation even the power is back. (By Default)

**02** beep **ON (set)**

When there is a power cut, power failure or the unit is unplugged in operation, it will resume to your former operation and mode setting once the power is back through setting.






# Function (continue)

## Mode Settings (luminance, sensitivity and indication sound)




### Sensitivity of Light Control Sensor

F4

	LOW	The Front Monitor still displays in bright even it turns dark in the room.
	STANDARD	By default.
	HIGH	It is bright in the room while the Front Monitor displays in dark.




### Sensitivity of PM2.5 Sensor (i.e. High Sensitive Dust Sensor)

F5

	LOW	When PM2.5 Indicator or Cleanliness Indicator turns to RED frequently.
	STANDARD	By default.
	HIGH	When PM2.5 Indicator doesn't light up, Cleanliness Indicator stays in Blue.

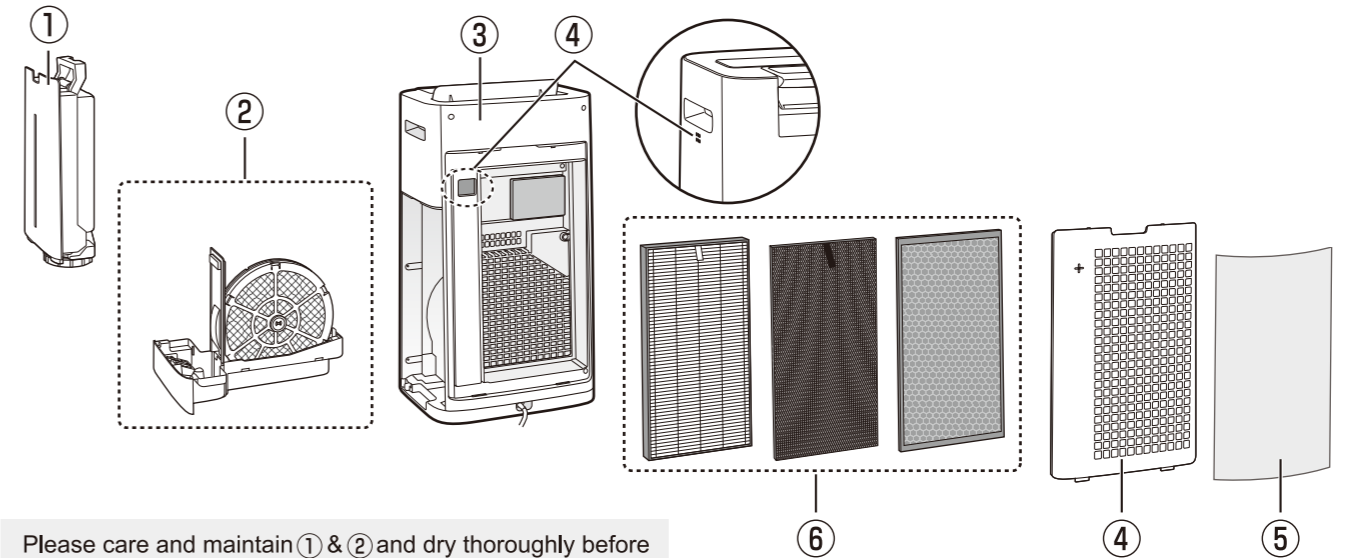
### Sensitivity of Odor Sensor

F6

	LOW	When Cleanliness Indicator turns to RED frequently.
	STANDARD	By default.
	HIGH	When Cleanliness Indicator stays in Blue.

# Care and Maintenance

## Maintenance Location

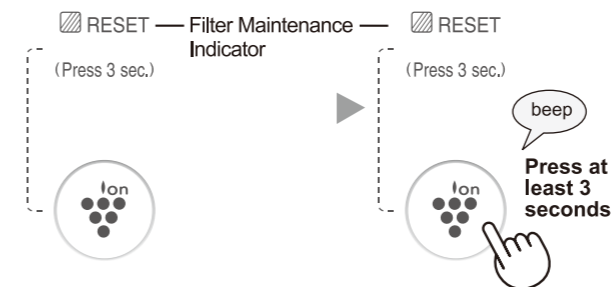


Please care and maintain ① & ② and dry thoroughly before installation if you won't use Humidify Mode for a long time.

Maintenance Location	Maintenance Frequency	When Care & Maintenance Indicator lights up	When it is smelly at the air outlet
① Water Tank (E-23)	Every Time Fill Water	○	○
② Humidifying Filter, Tray (E-25,26)	Once A Month	○	○
③ Main Unit (E-24)			—
④ Back Panel, Sensor (E-23)			—
⑤ Disposable Pre-filter (E-24)	Once A Month	—	—
⑥ HEPA Filter, Deformaldehyde Filter, Active Carbon Deodorizing Filter (E-24)	—	—	○

### Filter Care and Maintenance Indicator

When the cumulative operation period or the containing period of water in the Tray is more than 720 hours, the indicator will light up.  
(However, it will not calculate the period when the unit is unplugged.)

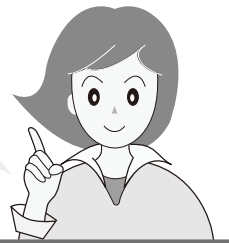


After care and maintenance, please keep pressing PCI ON/OFF Button for more than 3 seconds so that the Filter Maintenance Indicator can go out when in operation.

- After care and maintenance, even the Filter Maintenance Indicator is not on, please press the PCI ON/OFF Button for more than 3 seconds.

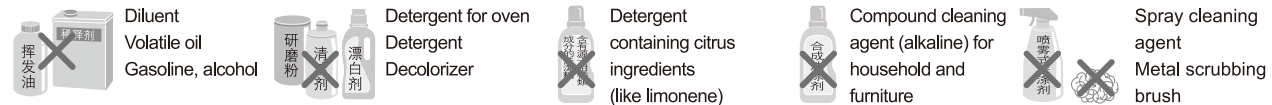
# Care and Maintenance (continue)

Change the filter when the odor and dirt cannot be removed or are too severe **E-28,29**



## Maintenance Location

**Do not use the following items when cleaning the main unit and filters.**  
(scratch on the surface and inner (precision parts) liquid leak are reasons of malfunction)



## HEPA Filter, Active Carbon Deodorizing Filter, Deformaldehyde Filter

Air purifier is a machine to collect (remove) dust or smell in the room. Strong smells like fragrance, perfume, cigarette or barbecue in the room will adhere to the filter and odor will be generated in several weeks/months. Careful cleaning, no matter how frequent, can control the generation of odor and lengthen the life span of the filters.

If it is used in the environment where there are strong smells, frequent ventilation of the room is suggested. (Deodorizing takes more time than dust removing.)

### HEPA filter

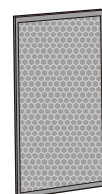
Capture PM2.5, pollen, allergens (feces and bodies of mites), mould, dust, dirt, cigarette smoke (particle), pet's hair, etc.



- Color changing (grey, earthy yellow, etc.) will happen sometimes as it collects small dust and dirt, which is normal. Frequent cleaning and maintenance will lengthen its life time.

### Active Carbon Deodorizing Filter

Absorb cigarette smell (odor), toilet smell, household garbage smell, pet smell, etc.



- It is not able to remove all the hazardous ingredients (CO from cigarette) and constant smell (formaldehyde, pet smell, etc.)

### Deformaldehyde Filter

- Please use a vacuum cleaner to remove dust and pay attention not to break the filter.



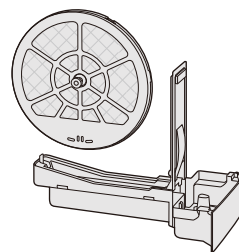
## Humidifying Filter, Tray

It extracts and vaporizes water from the tray so as to humidify the air passing through.

When the mineral elements in the water adhere to the filter's surface, they will absorb smell in the room. Odor will be generated thus when the filter is dry (when it is not humidifying). Please clean the filter at this time. (The frequency depends on the water quality.) **E-25,26**

There are mineral elements that cannot be seen by human eyes on the filter. No matter if the care and maintenance indicator lightens or not, to wash the filter or the tray with water will make it hard for mineral elements to adhere and hence to control the generation of odor.

- Sometimes, we can see red, yellow or white substance adhere to filter and tray, which is caused by mineral elements or iron in water and is normal.



## Water Tank

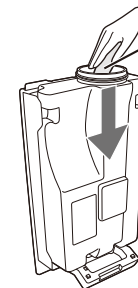
Water injection every time



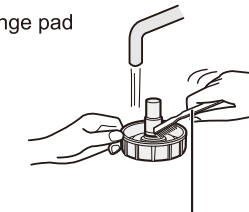
Injecting a small amount of water and shake it to clean

- Do not put it upside down. (may cause leakage)
- Do not grasp the handle to shake and clean.

When sensitive to dirt or smell



Use a sponge pad



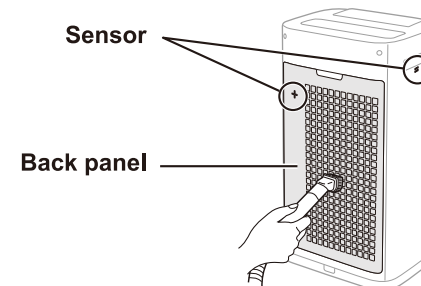
Clean the lid with a toothbrush

Clean the tank lid or inside

- There might be white substances adhering to the rubber part of the tank lid, please use a toothbrush to clean.

## Back Panel, Sensor

About once a month



Remove dust with a vacuum cleaner

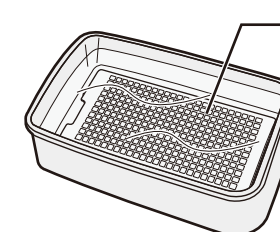
Caution

- Do not use too much strength on the Back Panel in case of damage.

When sensitive to dirt or smell

### Back Panel

- ① Soak and clean the Back Panel in solution with kitchen-purposed compound detergent. (appropriate amount)
- ② Rinse it thoroughly to make sure there is no residue of the detergent.
- ③ Dry it completely in shade.

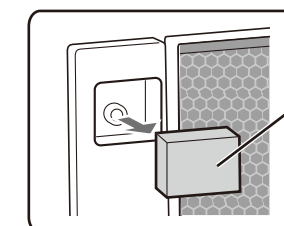


Back Panel

Place the panel in the liquid for about 10 minutes

### Sensor Filter

Wash it with water



Sensor filter (no difference for the two sides)

- Install after it dries completely.
- Pay attention to the direction (place it horizontally as shown in the figure)
- Do not turn on the unit before the installation of the filter. (may cause failure)

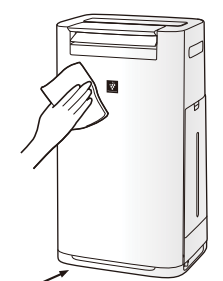
# Care and Maintenance (continue)

**Warning**  
  
 Be sure to turn off the unit and pull the plug off when maintaining it.  
 Otherwise, electric shock or injury might happen.

## Main Unit About once a month

Wipe it with a soft cloth

 Never wash it with water



Castors (four) also need to be cleaned

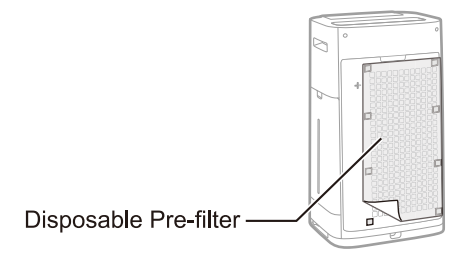
When sensitive to dirt or smell  
 Wipe it with wet cloth (water temperature below 40°C)

## Disposable Pre-filter

The cleaning will be easier if the disposable pre-filter is attached on the back panel (replacement frequency of once/month is suggested)

Peel off for replacement then it is dirty, which is easier to handle the pollution such as room dust, pet hair and cigarette ash.


Installation E-11



## HEPA Filter, Active Carbon Deodorizing Filter, Deformaldehyde Filter When sensitive to smell from the Air Outlet

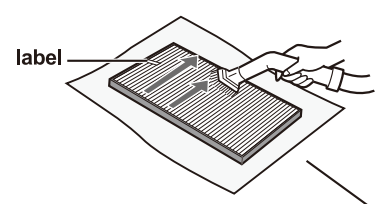
When sensitive to dirt or smell

Clean with a vacuum cleaner

 Never wash them with water · do not put them under the blazing sun (otherwise the filters will become ineffective)

### HEPA Filter

Clean the dust on the surface

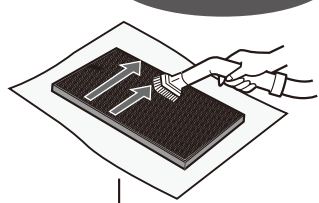


Only clean the labelled side

- Do not clean the side without the label.
- Do not use too much strength as the filters are easily broken.

### Deformaldehyde Filter

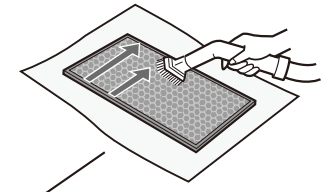
Clean both sides



Put newspaper under the filter to avoid polluting the environment

### Active Carbon Deodorizing Filter

Remove smelly dust on surface

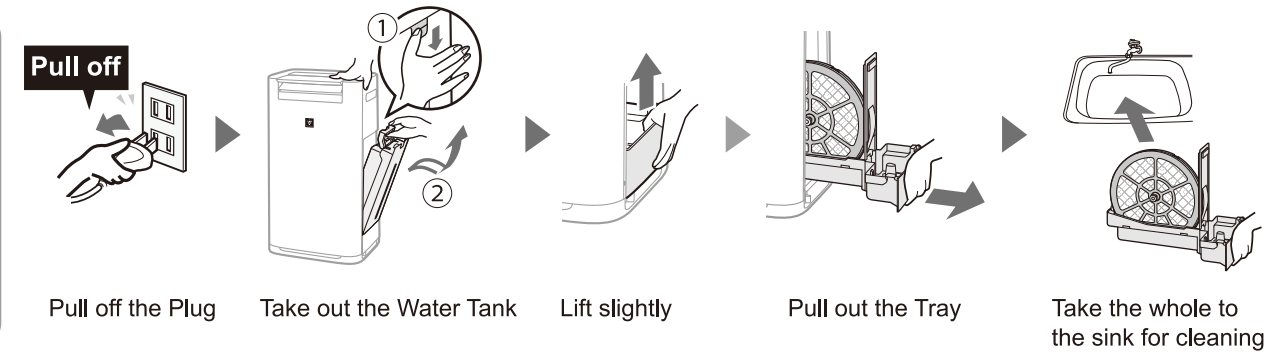


Clean both sides

- Filter will break when the cleaning strength is too much, please keep this in mind.

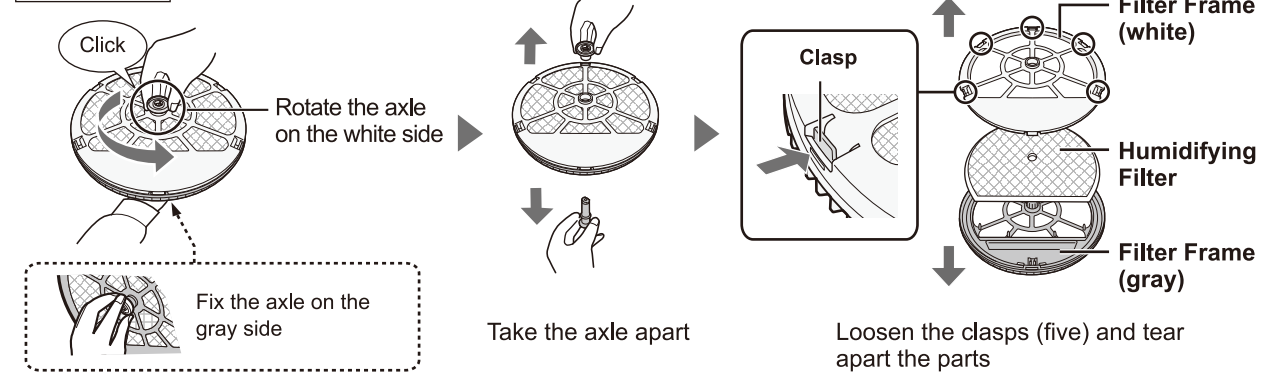
## Humidifying Filter, Tray

Remove



Care and maintenance for humidifying filter

### Take apart



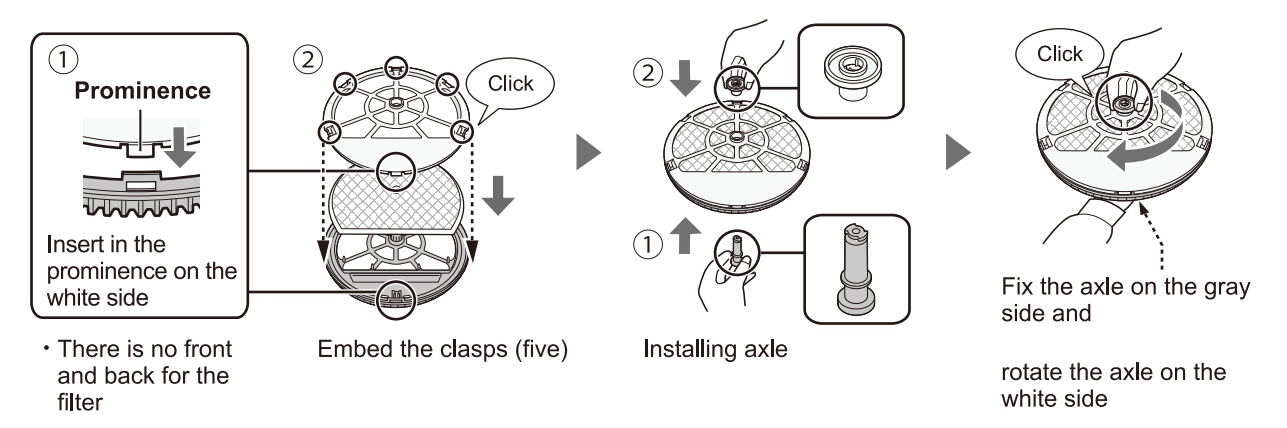
### Cleaning



**Caution about humidifying filter**

- Do not use the brush or washing machine to clean it. (might cause the filter damage)
- Do not use the dryer to dry the filter.

### Installation



There is no front and back for the filter

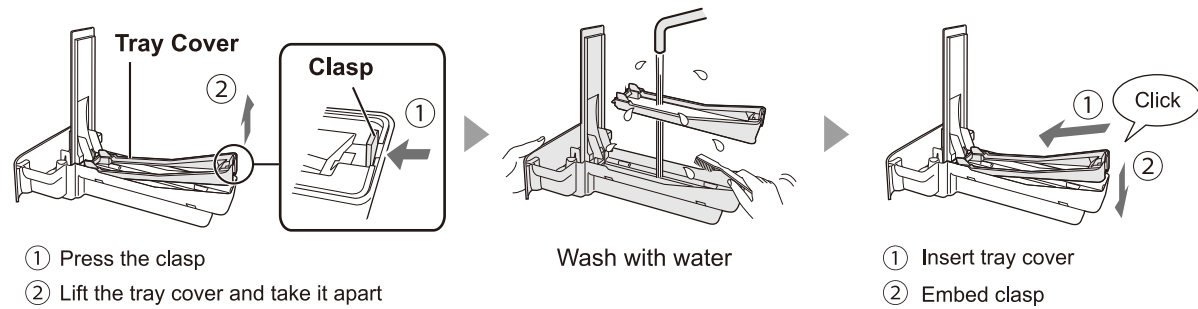


# Care and Maintenance (continue)

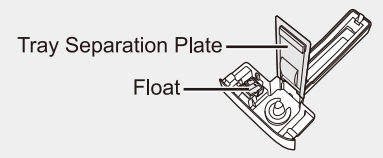
**Warning**  
 Be sure to turn off the unit and pull the plug off when maintaining it.  
 Otherwise, electric shock or injury might happen.

About once a month

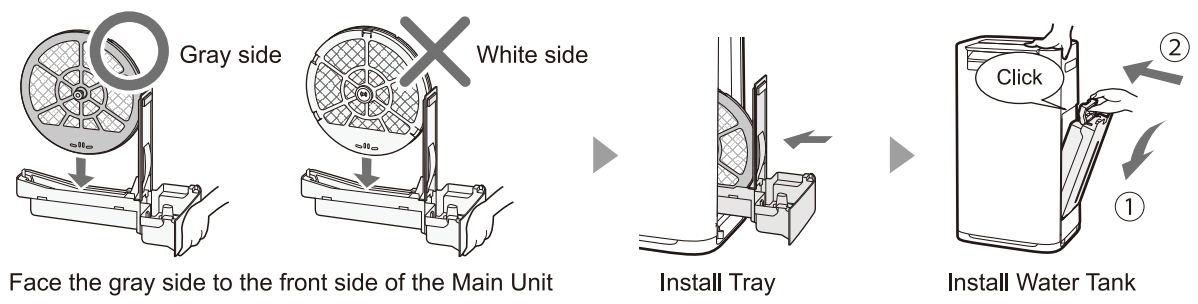
Clean and maintenance for tray



- Make sure Tray Separation Plate and float are properly installed before use. **E-27** (Water leak or failure might be caused if they are not installed.)
- Change water in tray at regular intervals. (Mould or bacteria might be reproduced otherwise and thus generating stink.)



Installation



When sensitive to dirt or smell

Condition of the dirt	Scale and Odor		White substance
	Items needed	Baking Soda	Citric acid or acetin available in pharmacy or supermarket
Amount	Water (below 40°C) Appropriate amount	Water (below 40°C) Appropriate amount	Water (below 40°C) Appropriate amount
Cleaning method	Soaking		
Soaking time	About 30-60minutes		About 2 hours
After soaking	Wash it thoroughly and ensure no residue of citric acid or acetin (Otherwise smell and deformation or color changing of the main unit might happen).		

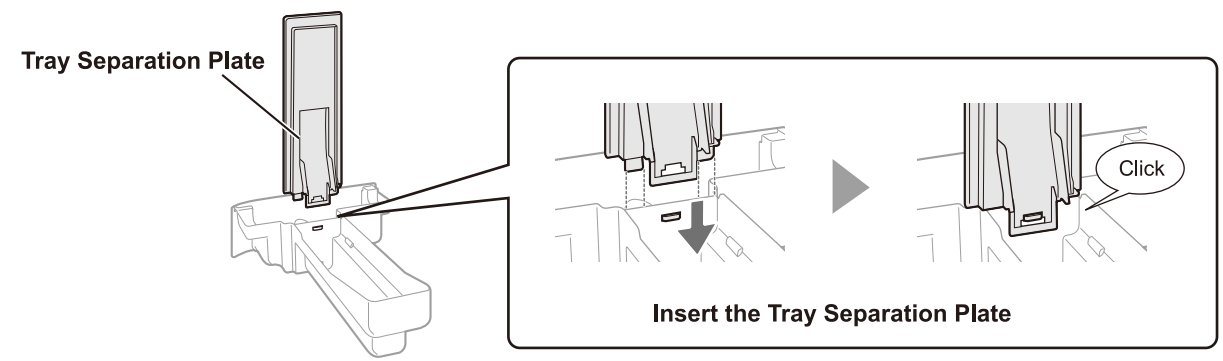
- Caution**
- Do not use foamy, strong-smelling, alkali or acid detergent. Otherwise deformation, color changing or cracking might happen.
  - If the equipment is not fully cleaned, smell, deformation or color changing of the main unit might happen.
  - Using the equipment when there are incrustation or white substance residue might cause water leak.

## Tray Separation Plate / When Float Drops Off

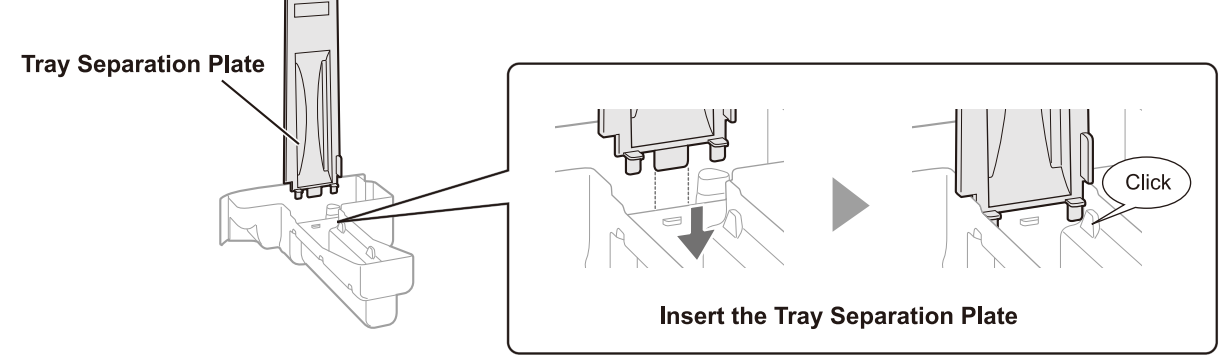
Do not operate the unit after the installation of Tray Separation Plate and Float (water leak or failure might happen otherwise).

Tray separator

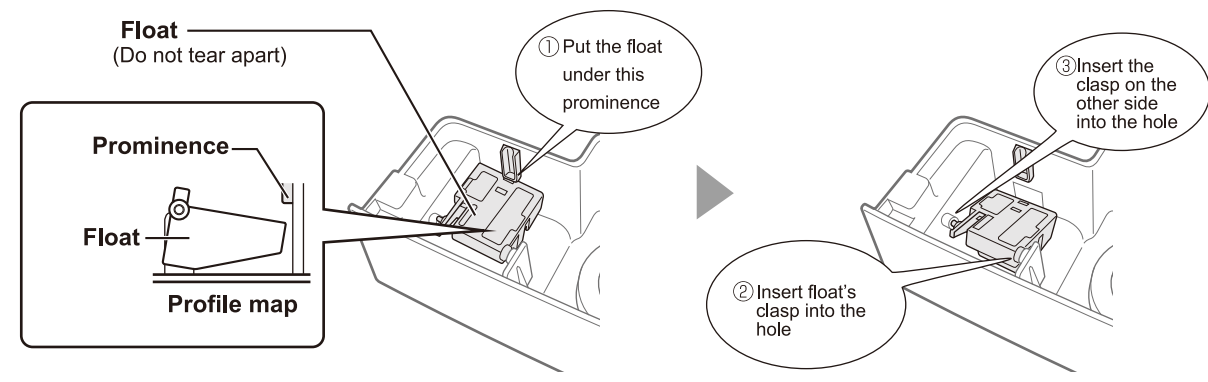
KC-AH50



KC-AH20



Float



Care and Maintenance

# Replacement

**Warning**

Be sure to turn off the unit and pull the plug off when maintaining it.

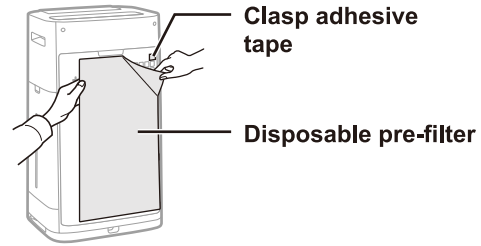
Otherwise, electric shock or injury might happen.

## Disposable Pre-filter

About once a month

Model: FZ-BB60ZU-HK

● Replacing method (E-11)



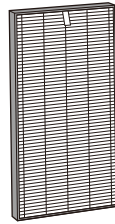
- Replace the clasp adhesive tape together with the disposable pre-filter as the viscous force reduces when there are fibers adhered to it.
- Put the filter against the back panel closely. The effect will be reduced when there is gap.

## HEPA Filter

about every two years

Model: FZ-GG50GS-HK(KC-AH50)  
FZ-GG30GS-HK(KC-AH20)

● Replacing method (E-10)



Follow the instruction on operation manual

In some environment, the filter generates odor in several weeks or months, replace it in such situation.

## Active Carbon Deodorizing Filter

about every two years

Model: FZ-GG50GD-HK(KC-AH50)  
FZ-GG30GD-HK(KC-AH20)

● Replacing method (E-10)



Follow the instruction on operation manual

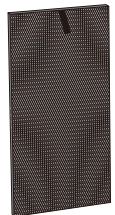
In some environment, the filter generates odor in several weeks or months, replace it in such situation.

## Deformaldehyde Filter

about every two years

Model: FZ-GG50GV-HK(KC-AH50)  
FZ-GG30GV-HK(KC-AH20)

● Replacing method (E-10)



Follow the instruction on operation manual

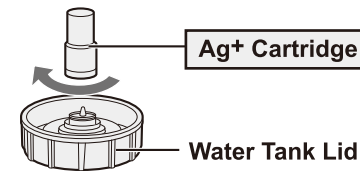
In some environment, the filter generates odor in several weeks or months, replace it in such situation.

## Ag+ Cartridge

about once a year※

Model: FZ-GB01AG-HK

- Follow the replacing steps on the package (or operation manual) to replace.



Water tank lid is not for replacement and please do not lose it.

The Ag+ Cartridge is not a must, and it is for restraining water deterioration and smell generation.

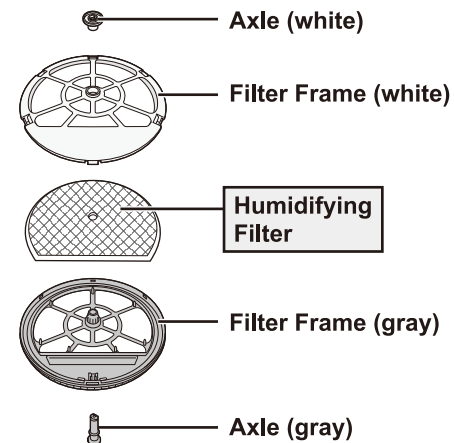
※ The time is calculated on the basis that 2.5L water is used per day (totalled 900L water for replacement) and varies according to the environment and water quality.

## Humidifying Filter

about every two years

Model: FZ-GG50GK-HK

● Replacing method (E-25,26)



Filter frame and axle do not need to be replaced and please do not lose it.

Humidifying filter's life span differs according to the water quality. Please replace it even it is still in its service life when the following situation happens:

- It is not able to remove the scale or smell after cleaning;
- Severe color changing (black, yellow);
- White substances adhere to all the surface of the humidifying filter;
- Severe damage or deformation.

### Caution

- When changing the filter, please place newspapers under it.
- Discard old items according to waste sorting regulation.

Disposable pre-filter	PET
HEPA filter	PP · PE
Active Carbon Deodorizing filter	PP · PE · active carbon
Deformaldehyde filter	Mesh · PP · PET
Ag+ cartridge	Nylon · PP
Humidifying filter	PET

- The replacement of the consumables will be charged even they are in warranty period.

# Troubleshooting

Before calling for service, please review the chart below.



Problems	Please check	Please refer to
No vapor	<ul style="list-style-type: none"> <li>No vapor will be seen as evaporation method is adopted (generating humid air via humidifying filter) instead of boiling the water.</li> </ul>	—
Will humidification be excessive?	<ul style="list-style-type: none"> <li>This will not happen as electrical heating is not adopted. (confirm with the indicator light of 'humidifying')</li> </ul>	—
Water does not reduce or the reduction slows down in the water tank	<ul style="list-style-type: none"> <li>Is the humidifying mode off?</li> <li>Is Fan Speed set at "auto", "sleep", "pollen", or operated at "turbo" or "spot purify" mode?                             <ul style="list-style-type: none"> <li>⇒ Humidification will stop after reaching a certain humidity.</li> </ul> </li> <li>Are water tank, tray and humidifying filter correctly installed?</li> <li>Are there any scale or waste adhered to the humidifying filter?                             <ul style="list-style-type: none"> <li>⇒ Please clean it.</li> </ul> </li> <li>Humidification level will change according to the room humidity and temperature.                             <ul style="list-style-type: none"> <li>Humidification level will reduce and water in the water tank will reduce slowly when the humidity level is high (when it rains) or it is cold.</li> <li>Humidification level will increase and water in the water tank will reduce easily when the humidity level is low (dry weather) or it is hot.</li> </ul> </li> </ul>	13 12~14 13,25,26 25,26 —
Humidity does not increase	<ul style="list-style-type: none"> <li>Is there any water in the tank?</li> <li>Is the room too large?                             <ul style="list-style-type: none"> <li>⇒ Please use it in recommended size.</li> </ul> </li> <li>Is the unit located near the outlet of an air conditioner or a heater?                             <ul style="list-style-type: none"> <li>⇒ Please change the place as temperature/humidity sensor might be misguided.</li> </ul> </li> <li>Are there any scale or waste adhered to the humidifying filter or the tray?                             <ul style="list-style-type: none"> <li>⇒ Please clean and maintain it.</li> </ul> </li> <li>Does the monitor display the reading of temperature?                             <ul style="list-style-type: none"> <li>⇒ Please switch the buttons of humidity/temperature/PM2.5 to humidity.</li> </ul> </li> </ul>	13 36,37 9 25,26 16 —
When the humidifying mode is on, the air from outlet is cold	<ul style="list-style-type: none"> <li>Evaporation absorbs heat so the room temperature will decrease. Because of the room size, sometimes it feels cold. (The air from the outlet is at about 15°C when the room temperature is 20°C and the humidity is 30%.)</li> <li>Please adjust the angle of the louver to change the wind direction manually.</li> </ul>	— 15
Why tap water?	<ul style="list-style-type: none"> <li>Tap water is chlorinated and thus it is hard for bacteria to reproduce, please use tap water. If other types of water (mineral water, well water and water from water purifier) are used, it is easier for the bacteria to reproduce.</li> </ul>	—

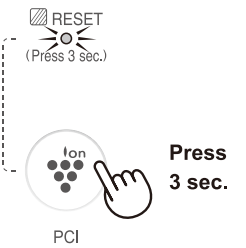
About Humidifying

Problems	Please check	Please refer to																								
<b>Sound</b> A sound of "pip,pip" comes out from the unit	<ul style="list-style-type: none"> <li>The sound is caused by water flowing from water tank to tray. The sound frequency differs on humidifying levels.</li> </ul>	—																								
A clicking or ticking sound comes out from the unit	<ul style="list-style-type: none"> <li>It is the sound when PCI is generating, which is not abnormal. The volume differs in different environment and operation mode. Sometimes it is mute. PCI effect is all the same. PCI can be turned off.</li> </ul>	16																								
It is hard to remove odor and/or smoke	<ul style="list-style-type: none"> <li>Is the filter still in the plastic bag?                             <ul style="list-style-type: none"> <li>⇒ Please take it out.</li> </ul> </li> <li>Does the air from the air outlet become weaker?                             <ul style="list-style-type: none"> <li>⇒ Please clean the items with a★.</li> </ul> </li> </ul> <table border="1"> <thead> <tr> <th colspan="8">Maintenance</th> </tr> <tr> <th>Back Panel</th> <th>Sensor</th> <th>Water Tank</th> <th>Tray</th> <th>Humidifying Filter</th> <th>Active Carbon Deodorizing Filter</th> <th>Deformaldehyde Filter</th> <th>HEPA Filter</th> </tr> </thead> <tbody> <tr> <td>★</td> <td>★</td> <td></td> <td></td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> </tr> </tbody> </table>	Maintenance								Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	Active Carbon Deodorizing Filter	Deformaldehyde Filter	HEPA Filter	★	★			★	★	★	★	10 22~26
Maintenance																										
Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	Active Carbon Deodorizing Filter	Deformaldehyde Filter	HEPA Filter																			
★	★			★	★	★	★																			
<b>Odor</b> The discharged air is smelly	<ul style="list-style-type: none"> <li>Have you cleaned and maintained the humidifying filter?                             <ul style="list-style-type: none"> <li>⇒ Please clean and maintain it carefully.</li> </ul> </li> <li>The water in the tray has not been changed for a long time?                             <ul style="list-style-type: none"> <li>⇒ Please clean the tray and humidifying filter.</li> </ul> </li> <li>Is it used in a room with a strong smell?                             <ul style="list-style-type: none"> <li>e.g. If there is a strong smell of cigarette or barbecue in the room, or bacteria generated in the Tray or Water Tank, the filter may be smelly within several weeks or months; at this time, please replace the filter.</li> <li>⇒ Please ensure the ventilation of the room while using the unit.</li> </ul> </li> <li>Please check the items with a★ and clean those where smell is from.</li> </ul> <table border="1"> <thead> <tr> <th colspan="8">Maintenance</th> </tr> <tr> <th>Back Panel</th> <th>Sensor</th> <th>Water Tank</th> <th>Tray</th> <th>Humidifying Filter</th> <th>Active Carbon Deodorizing Filter</th> <th>Deformaldehyde Filter</th> <th>HEPA Filter</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> </tr> </tbody> </table>	Maintenance								Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	Active Carbon Deodorizing Filter	Deformaldehyde Filter	HEPA Filter			★	★	★	★	★	★	22,25,26 22,25,25,26 22~29 28,29 22~26
Maintenance																										
Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	Active Carbon Deodorizing Filter	Deformaldehyde Filter	HEPA Filter																			
		★	★	★	★	★	★																			
<b>Dirt</b> Red, yellow or white substances adhered to water, humidifying filter and tray	<ul style="list-style-type: none"> <li>Minerals and iron from the tap water may adhere, which is normal.                             <ul style="list-style-type: none"> <li>⇒ Please drain the water and clean the humidifying filter and the tray.</li> </ul> </li> </ul>	22,25 26																								
<b>Operation/beep tone</b> No reaction but a beeping sound occurs after pressing any button	<ul style="list-style-type: none"> <li>Did the unit set on Child Lock?                             <ul style="list-style-type: none"> <li>⇒ Press the switch of humidity/temperature/PM2.5 button for 3 seconds to unlock.</li> </ul> </li> </ul>	16																								
when you want to set a Fill Water Indication sound	<ul style="list-style-type: none"> <li>The Fill Water Indication Sound can be set.</li> </ul>	17,19																								

Troubleshooting

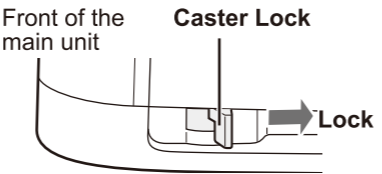




# Troubleshooting (continue)

	Problems	Please check	Please refer to																								
Front Monitor	When you want to set the monitor at Dim or OFF	<ul style="list-style-type: none"> <li>The Indicator Light can be set at Dim or OFF.</li> </ul>	17~19																								
	The Monitor Light turns to dim or turns off.	<ul style="list-style-type: none"> <li>When setting Light Control at AUTO mode, it adjusts the luminance of the monitor automatically according to the status detected by the Light Control Sensor. And it switches between Bright and Dim automatically according to the room condition. (If the unit is operated at Sleep mode, it switches between Off and Dim.)</li> </ul>	9, 17~19																								
	The Monitor Light changes frequently.	<ul style="list-style-type: none"> <li>If there is shadow of substances or people, the Light Control Sensor will change accordingly.</li> <li>Please adjust the sensitivity of the sensors.                             <ul style="list-style-type: none"> <li>⇒ Stop operation before adjusting the sensitivity.</li> </ul> </li> </ul>	9, 17, 18, 20																								
	The Monitor Light does not change according to the room luminance.	<ul style="list-style-type: none"> <li>When the unit is located in the shadow, the unit operates in the wrong luminance since the Light Control Sensor cannot detect correctly.                             <ul style="list-style-type: none"> <li>⇒ Please relocate the unit.</li> </ul> </li> <li>It happens that the detection sensitivity is different from the room condition.                             <ul style="list-style-type: none"> <li>⇒ Stop operation and adjust the detection sensitivity of the unit.</li> </ul> </li> </ul>	9, 17, 18, 20																								
Filter Maintenance Indicator	The Filter Maintenance Indicator is on	<ul style="list-style-type: none"> <li>Clean items with a ★.</li> </ul> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="8">Maintenance</th> </tr> <tr> <th>Back Panel</th> <th>Sensor</th> <th>Water Tank</th> <th>Tray</th> <th>Humidifying Filter</th> <th>Active Carbon Deodorizing Filter</th> <th>Deformaldehyde Filter</th> <th>HEPA Filter</th> </tr> </thead> <tbody> <tr> <td>★</td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Maintenance								Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	Active Carbon Deodorizing Filter	Deformaldehyde Filter	HEPA Filter	★	★	★	★	★				21~26
	Maintenance																										
	Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	Active Carbon Deodorizing Filter	Deformaldehyde Filter	HEPA Filter																			
★	★	★	★	★																							
The Filter Maintenance Indicator does not turn off	<ul style="list-style-type: none"> <li>Did you press the PCI button for more than 3 seconds?                             <ul style="list-style-type: none"> <li>⇒ After cleaning, press the PCI button for over 3 seconds to reset (Filter Maintenance Indicator will turn off.)</li> </ul> </li> </ul> 	21																									
There is water in the Water Tank but Humidifying Indicator does not light on or blink in RED	<ul style="list-style-type: none"> <li>Is the float stuck somewhere?                             <ul style="list-style-type: none"> <li>⇒ Clean the float and make sure it is properly installed.</li> </ul> </li> <li>Are water tank and tray properly installed?                             <ul style="list-style-type: none"> <li>⇒ Install them correctly in the main unit.</li> </ul> </li> <li>The float might malfunction when there are magnetic objects nearby like loudspeaker and electromagnetic device.</li> <li>If Fan Speed is set at "auto", "sleep" and "pollen", or the unit operated at "turbo" or "spot purify" mode, humidification will stop after reaching a certain humidity and the indicator will die out.</li> <li>Is the main unit slant?                             <ul style="list-style-type: none"> <li>⇒ Place it on a flat place.</li> </ul> </li> </ul>	25~27, 26, 12~14																									

	Problems	Please check	Please refer to
PCI Indicator	PCI indicator is off	<ul style="list-style-type: none"> <li>Does the Indicator Light set at off?                             <ul style="list-style-type: none"> <li>⇒ Change the setting to "Auto" or "Dim".</li> </ul> </li> <li>Is PCI set at off mode?                             <ul style="list-style-type: none"> <li>⇒ Press PCI ON/OFF button to set it on.</li> </ul> </li> </ul>	17~19, 16
	The indication of current temperature or current humidity differs from the result of other thermometer or hygrometer	<ul style="list-style-type: none"> <li>Temperature and humidity may differ in different places in one room.</li> <li>The difference between this unit and other thermometer or hygrometer may be caused by the sensitivity difference between them. (please take the indication of the temperature/humidity as a reference)</li> <li>The monitoring data you need is not indicated?                             <ul style="list-style-type: none"> <li>⇒ Press temperature/humidity/PM2.5 density button to switch to the item you need.</li> </ul> </li> </ul>	—, —, 16
PM2.5 Indicator	Conditions when PM2.5 indicator is off	<ul style="list-style-type: none"> <li>There are big particles in the room but PM2.5 particles are in small amount. (Cleanliness indicator will display in orange or blink in red)</li> <li>There were cigarette smoke or lit incense.                             <ul style="list-style-type: none"> <li>⇒ The indicator will not lighten up immediately and it usually takes some time after PM2.5 accumulates.</li> </ul> </li> </ul>	8, 8
	Conditions when PM2.5 indicator will not black out	<ul style="list-style-type: none"> <li>When an oil-fired oven is used (smoke from burning) When cooking (cooking fumes)                             <ul style="list-style-type: none"> <li>⇒ When indoor air is polluted, open the windows for ventilation and use the humidifying air purifier.</li> </ul> </li> <li>The windows are open all the time (PM2.5 from outside) or the room impermeability is poor. (PM2.5 from gaps of the door/windows)                             <ul style="list-style-type: none"> <li>⇒ Due to the entrance of air pollution from outside, close windows and control the ventilation and set Fan Speed as "medium" "high" or operate the unit at "turbo" mode. (Sometimes it takes some time to clear PM2.5)</li> </ul> </li> </ul>	8, 12, 14
	Differs from weather forecast result of PM2.5	<ul style="list-style-type: none"> <li>There are influences like traffic flow and the height of the room in the building, which leads to a different result of PM2.5 between the unit and weather forecast.</li> </ul>	—
	PM2.5 indicator switches frequently	<ul style="list-style-type: none"> <li>Due to the opening and closing of the door, the air flowing may cause reaction.</li> <li>Adjust the sensitivity of the sensor.                             <ul style="list-style-type: none"> <li>⇒ Turn off the unit and set the sensitivity of PM2.5 sensor (high-sensitive dust sensor) at "low" or "standard".</li> </ul> </li> </ul>	—, 17, 18, 20

# Troubleshooting (continue)

	Problems	Please check	Please refer to
Cleanliness Indicator	Cleanliness indicator does not change	<ul style="list-style-type: none"> <li>After a period of operation, the sensitivity is not stable or the indicator light color does not change. Then several minutes later, the sensitivity is stabilized.                             <ul style="list-style-type: none"> <li>⇒ If still not sensitive, adjust the sensitivity of PM2.5 sensor (high-sensitive dust sensor) and odor sensor.</li> </ul> </li> <li>The indicator keeps displaying in blue means the room air is clean. Sometimes it is hard to sense the smell due to the place where it is from, then pat towel or blow cigarette near the sensor to see if the color changes. If the color changes, it is normal.</li> <li>If it is used in a room with a strong smell, the sensitivity of the indicator might come down.                             <ul style="list-style-type: none"> <li>⇒ Set the Fan Speed at "medium" and keep it running for several hours or 1 day.</li> </ul> </li> <li>When the sensitivity does not accord with the room situation.                             <ul style="list-style-type: none"> <li>⇒ Turn it off and reset the sensitivity of PM2.5 sensor and Odor sensor to "high" or "standard".</li> </ul> </li> </ul>	17,18 20 — — 17,18 20
	Cleanliness indicator will not turn to blue	<ul style="list-style-type: none"> <li>When the air is polluted, the light will flash between orange and red.</li> <li>When the windows or doors are open frequently, or when the impermeability of the room is not good, it will take some time for the light to change to blue.</li> </ul>	8 —
	Cleanliness indicator is always red	<ul style="list-style-type: none"> <li>Is the sensor blocked by wastes?                             <ul style="list-style-type: none"> <li>⇒ Clean the sensor.</li> </ul> </li> </ul>	23
	Cleanliness indicator keeps changing	<ul style="list-style-type: none"> <li>The closing and opening of the door might cause airflow and thus the switch of the light color.</li> <li>Adjust the sensitivity of the sensor.                             <ul style="list-style-type: none"> <li>⇒ Stop operation and set the sensitivity of PM2.5 sensor (high-sensitive dust sensor) and Odor sensor at "low" or "standard".</li> </ul> </li> </ul>	— 17,18 20
Fall Over	The main unit falls over (when it is humidifying or there is water in tank)	<ul style="list-style-type: none"> <li>If the main unit falls with water in tank or tray, turn off the power and pull off the plug and contact the retailer or <b>SHARP</b> franchised distributor for check.</li> </ul>	
Others	Want to fix the main unit	<ul style="list-style-type: none"> <li>Fix the casters with hasps (two sets respectively at left and right) Must use the two sets of the hasps at the same time.</li> </ul> 	9
	Wind from air outlet is cold	<ul style="list-style-type: none"> <li>Switch the Fan Speed at "Low".</li> <li>Adjust the angle of the front Louver manually.</li> </ul>	12 15
	Cannot take the tray out	<ul style="list-style-type: none"> <li>Lift the tray slightly and then pull it out.</li> </ul>	25
	Cannot put the tray in	<ul style="list-style-type: none"> <li>Is the humidifying filter's gray side correctly installed on the front side of the main unit?</li> <li>Is the tray separation plate correctly installed?</li> </ul>	26 27
	Not using for long time Not using the humidifying function	<ul style="list-style-type: none"> <li>Wipe dry every part after cleaning and let them dry thoroughly before installation, especially for humidifying filter and tray to prevent the reproduction of mould and bacteria.</li> </ul>	21

	Problems	Please check	Please refer to
Error	Monitor shows 	<ul style="list-style-type: none"> <li>Is humidifying filter and tray are correctly installed?                             <ul style="list-style-type: none"> <li>⇒ Confirm the installation and try the operation again.</li> </ul> </li> </ul>	25,26
	Monitor shows 	<ul style="list-style-type: none"> <li>Pull off the plug, wait for about one minute and try again.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">                     If the error indication appears repeatedly, contact the retailer or <b>SHARP</b> franchised distributor for repair.                 </div>	—

# Specification

Model	KC-AH50					
Power Supply	220V / 50Hz					
Applicable Floor Area (m <sup>2</sup> )	32					
Mode	Clean Air			Clean Air & Humidify		
Fan Speed	High	Medium	Low	High	Medium	Low
Air Flow Volume (m <sup>3</sup> /h)	320	160	65	300	180	105
Power Consumption (W)	60	16	4.5	46	22	6.5
Current (A)	0.5	0.15	0.1	0.4	0.2	0.1
Noise Level (dB/A)	55	42	23	54	44	25
Humidification Amount (ml/h)	630					
Water Tank Capacity (L)	Approx. 3.0					
Dimensions (mm)	370(W)X660(H)X293(D)					
Weight (kg)	Approx. 10.4					

## Replacement of consumables (buy parts additionally)

Category	Model
HEPA Filter	FZ-GG50GS-HK
Active Carbon Deodorizing Filter	FZ-GG50GD-HK
Deformaldehyde Filter	FZ-GG50GV-HK
Humidifying Filter	FZ-GG50GK-HK
Ag <sup>+</sup> Cartridge	FZ-GB01AG-HK
Disposable Pre-filter	FZ-BB60ZU-HK

**Caution:** Lifetime of HEPA Filter is about 2 years;  
 Lifetime of Active Carbon Deodorizing Filter is about 2 years.  
 Lifetime of Deformaldehyde Filter is about 2 years;  
 Lifetime of Humidifying Filter is about 2 years.

Determination for lifetime of HEPA Filter , Active Carbon Deodorizing Filter & Deformaldehyde Filter Filter life and replacement period are based on the condition of smoking 5 cigarettes per day, reducing the dust collection/ deodorization ability to half compared with that of new filters, according to specification of The Japan Electrical Manufacturer's Association JEM 1467, the replacement period is 2 years.

The replacement period differs depending on the operation hours and location of installation.

The filters & Ag<sup>+</sup> Cartridge are consumables; therefore, you have to pay for the new one even it is still in warranty period.

For details, please contact **SHARP** Service Center.

# Specification

Model	KC-AH20					
Power Supply	220V / 50Hz					
Applicable Floor Area (m <sup>2</sup> )	20					
Mode	Clean Air			Clean Air & Humidify		
Fan Speed	High	Medium	Low	High	Medium	Low
Air Flow Volume (m <sup>3</sup> /h)	200	120	60	200	140	80
Power Consumption (W)	27	12	4.5	28	18	6
Current (A)	0.2	0.1	0.1	0.2	0.15	0.1
Noise Level (dB/A)	50	40	23	50	41	24
Humidification Amount (ml/h)	420					
Water Tank Capacity (L)	Approx. 2.5					
Dimensions (mm)	445(W)X631(H)X262(D)					
Weight (kg)	Approx. 8.9					

## Replacement of consumables (buy parts additionally)

Category	Model
HEPA Filter	FZ-GG30GS-HK
Active Carbon Deodorizing Filter	FZ-GG30GD-HK
Deformaldehyde Filter	FZ-GG30GV-HK
Humidifying Filter	FZ-GG50GK-HK
Ag <sup>+</sup> Cartridge	FZ-GB01AG-HK
Disposable Pre-filter	FZ-BB60ZU-HK

**Caution:** Lifetime of HEPA Filter is about 2 years;  
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