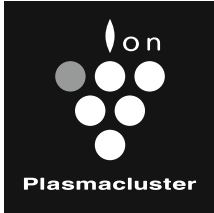


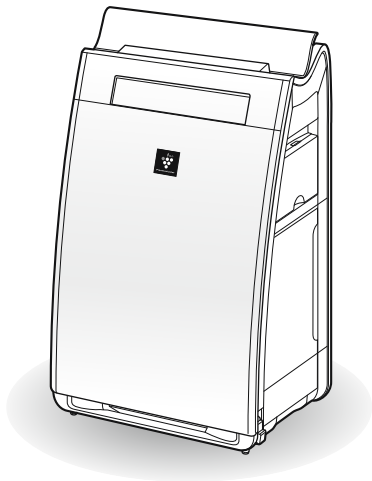
SHARP®

Humidifying Air Purifier

Operation Manual



High-Density 25000 * 1



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

Hong Kong Electrical Apparatus Safety Specification
(International Electrotechnical Commission Specification)

LoveAir

Bedienungsanleitung heruntergeladen
von der Website loveair.de

SHARP®
SHARP CORPORATION



生産管理用

TINS-A291SRRZ 18A-①

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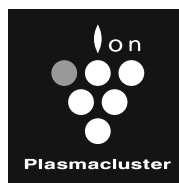
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Features

P- refers to Page

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



Equipped with High-Density PCI 25000*¹

- Same as the ions found in nature
- Air purifying ability is explained*²
- Safety is confirmed*³

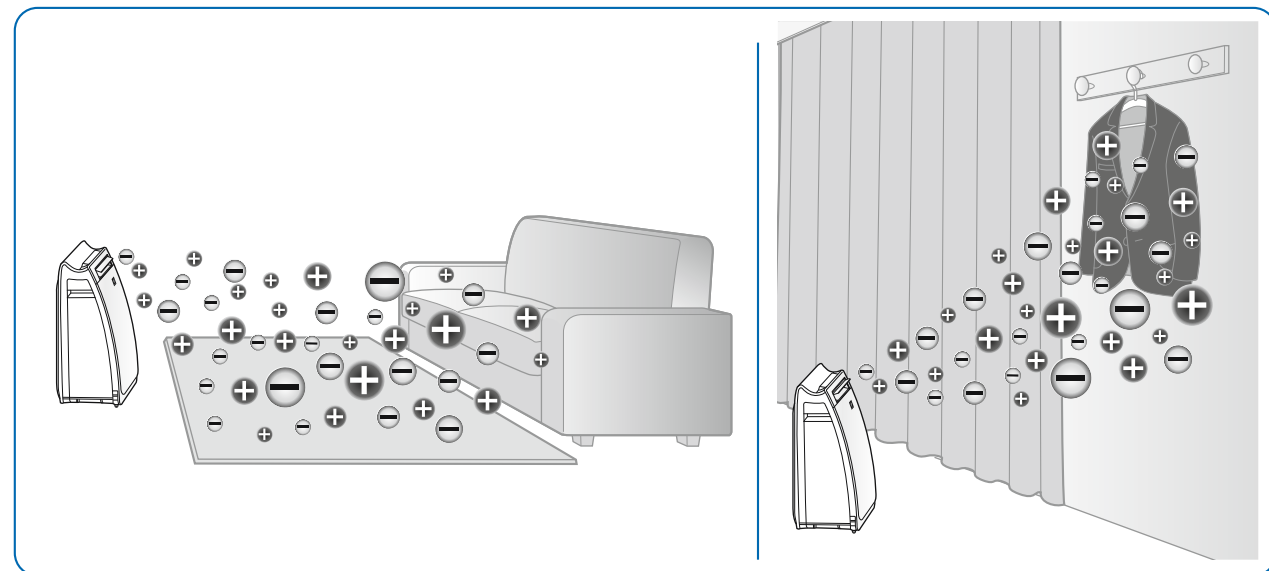
High-Density 25000 * 1

● Full Power Spot Mode (P-14)

When you feel sensitive to the odor and/or bacteria that are on the sofa, carpet or curtain, please use this mode.

When the clothes are contaminated with odors such as sweat, cigarettes and food, you may also use this mode.

It will release PCI to the front intensively and clarify the odor and/or bacteria on these items.



● PM2.5 Sensor (P-9)

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

- It displays the approximate amount of PM2.5 by the change of colors of the indicator.
- ★ It includes the following substances:
 - smoke of cigarette or incense
 - cooking fume
 - vehicle exhaust
 - smoke of burning material
- The colors of the indicator is for your reference only.

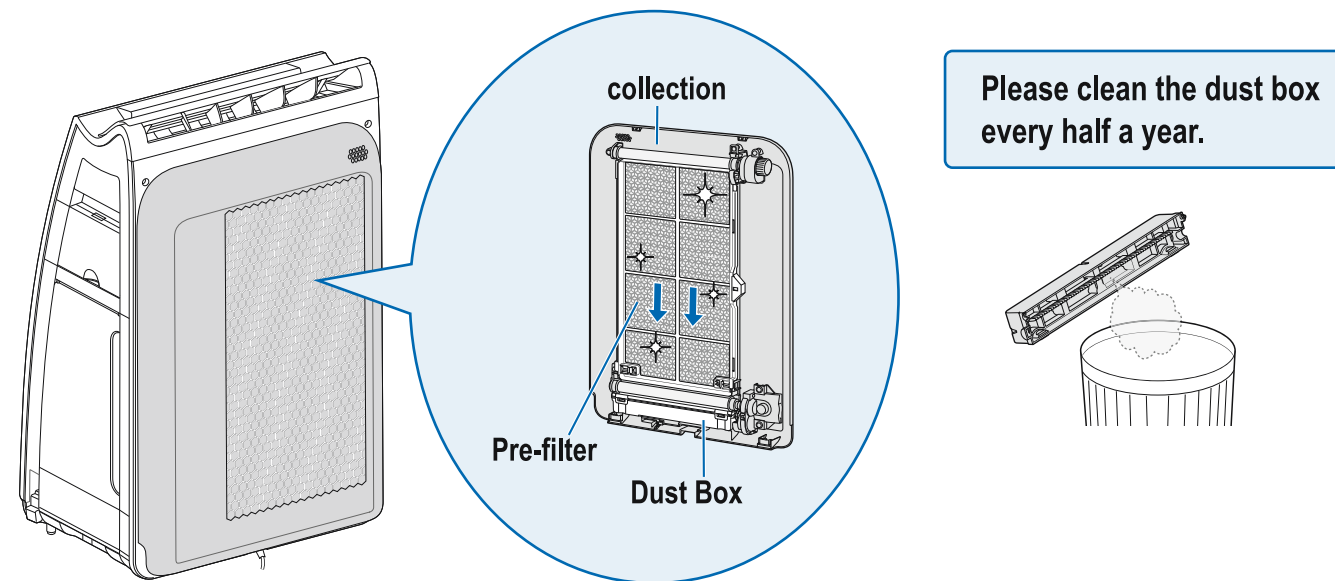
*1 Please refer to the commentson of the cover

*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)

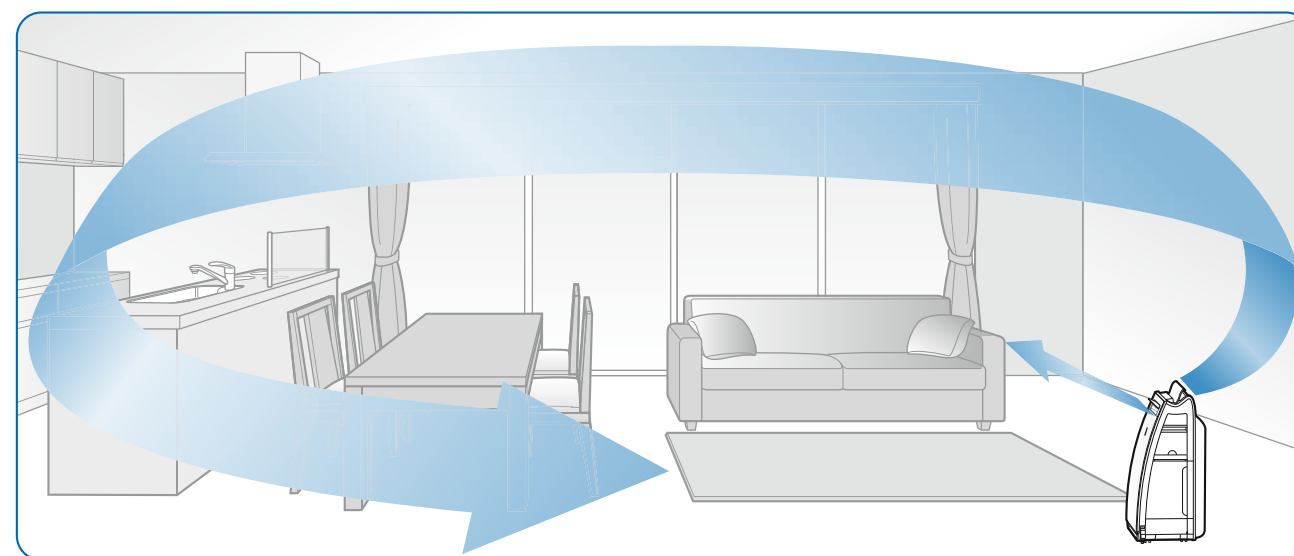
*3 LSI Medience Corporation

● Auto Cleaning of Pre-filter (P-16)

The dust on the pre-filter can be cleaned automatically to maintain the performance of dust collection.



● Full Power Shower purification in an all-round manner



① Completely automatic operation

Smart operation with five sensors.
Regular air circulation even when the air is clean.

(P-12)

② Intensive and fast purification

Dust and odor can be removed quickly

(P-14)

③ Cleaning Assist Mode

Thoroughly collecting dust floating in the air after vacuum cleaner is used.

(P-14)

Precautions

Please be sure to follow!

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 or the power plug 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.**
- **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.**
- **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 centers or equivalent qualified personnel 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 lacking 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 centers can repair the unit. If any problems, adjustment, 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.

Warning: if the power cord is damaged, it must be replaced by the manufacturer, Sharp authorized service centers or equivalent qualified personnel 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 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.**
Holding 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 filter, water tank and tray.**
- **Do not wash and/or reuse HEPA filter, deformaldehyde filter and deodorizing 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 instructions

- **When operating the unit, please place the unit at least 2 meters away from equipment 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 the unit to crack or the sensor to break down.
- **Please place the unit 30-60cm 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 from 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 it, please make sure the unit is unplugged and the water tank and the tray are removed. 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.)

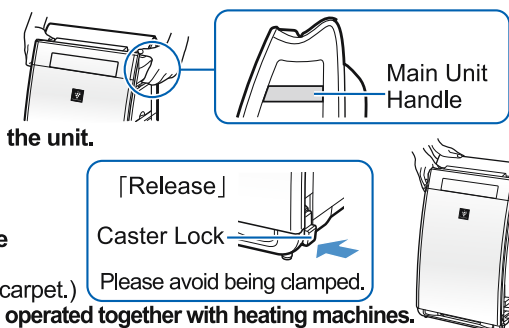
Figure: Main unit handle

- **Please make sure all casters are unlocked 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 if there is no adequate ventilation.)

- **Please change the water in the water tank and the tray every day. (Tap water). Please care and maintain them regularly. (P-23~24)**
Please empty the water tank and the 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.

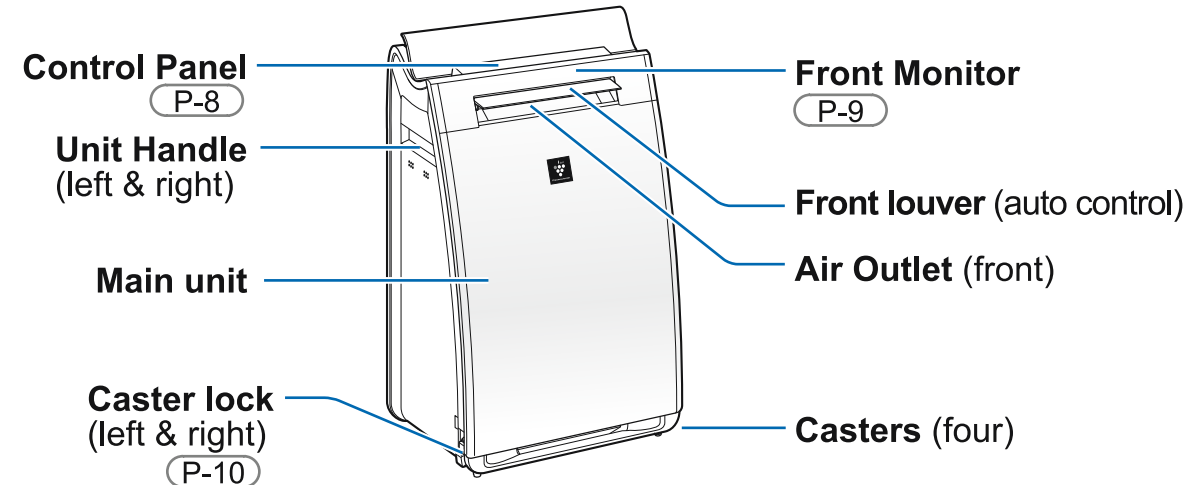
- **Please make sure filters, water tank and tray are installed correctly before operation.**
(Otherwise, it may decrease the effect and lead to malfunction.)



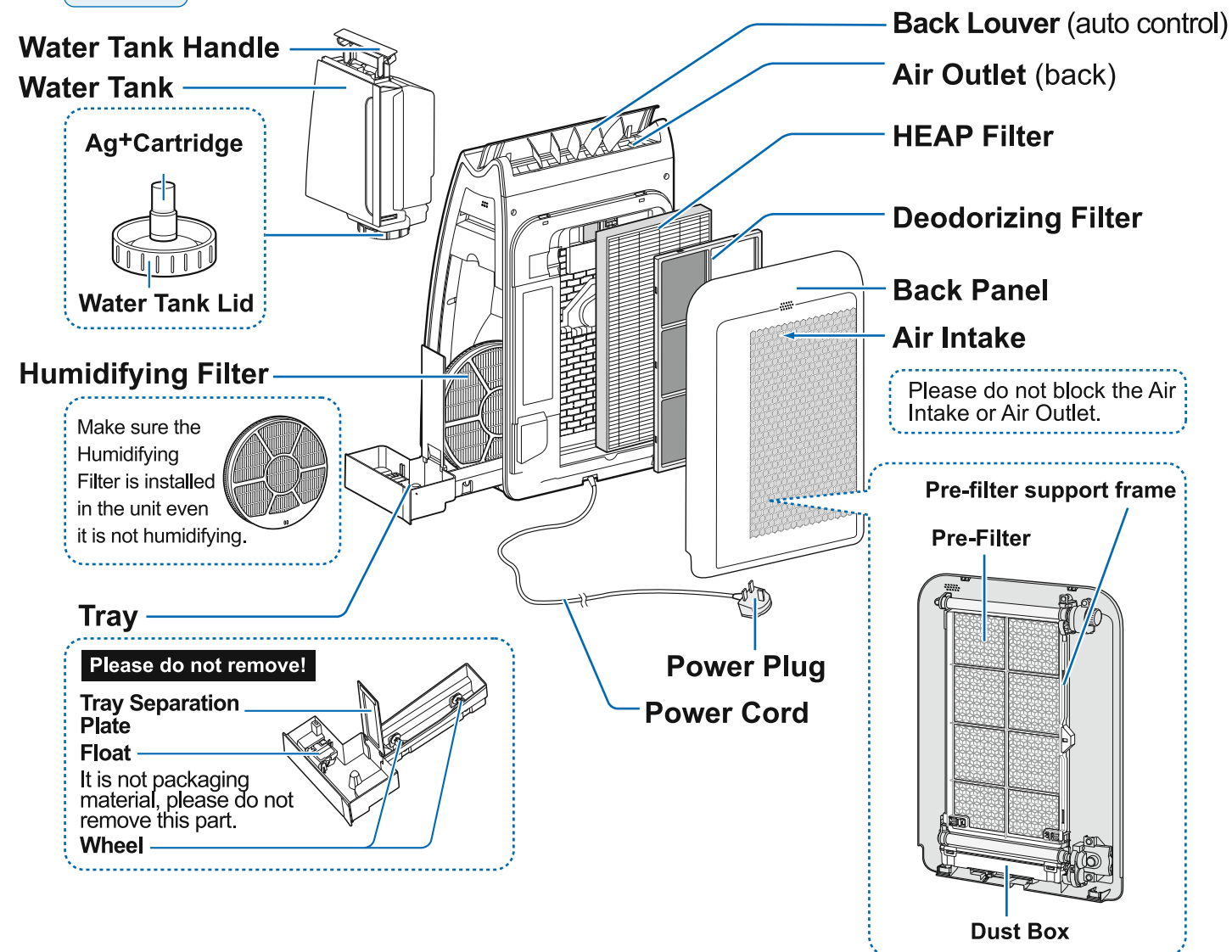
Parts Names

Main Unit

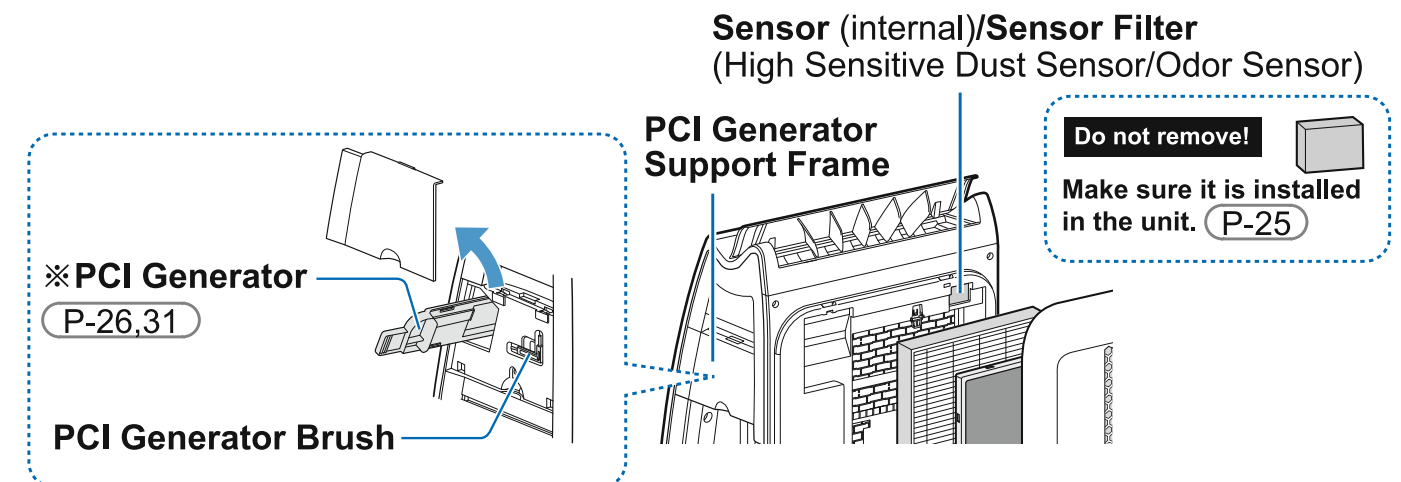
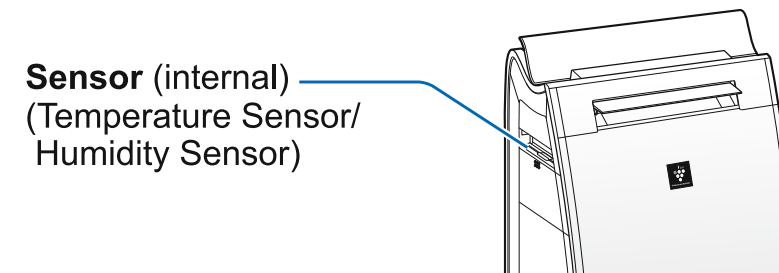
Front



Rear



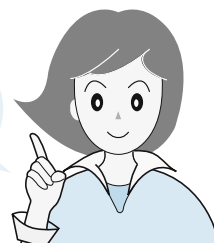
Sensor/PCI Generator



※ Please do not remove it except for maintenance or replacement.
PCI Generator Brush is only for the use of cleaning the PCI Generator.

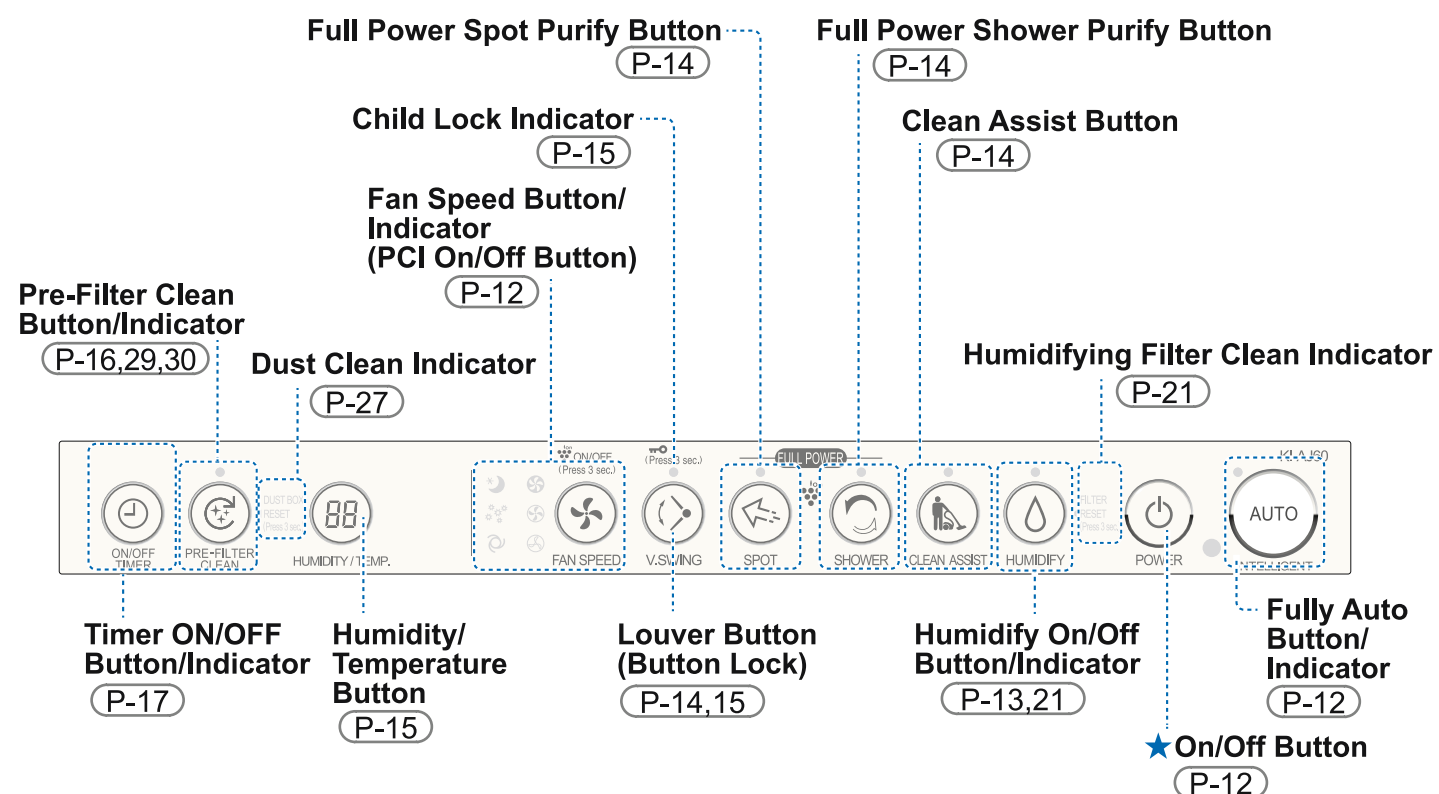
Parts Names (continue)

Please unplug the unit before installing the filters.



Control Panel / Front Monitor

Control Panel



About Sensors

This unit is equipped with 5 sensors and each sensor detects the following substances accordingly.

High Sensitive Dust Sensor (PM2.5 Sensor)	Dust (dirt, feces or dead bodies of mites, spores of molds, pollen), Smoke of Cigarettes, PM2.5 (small particles less than 2.5μm) It detects small particles including PM2.5 and bigger particles like pollen.
Odor Sensor	Odor of cigarettes or lit incenses, cosmetics, alcohol and sprayer.
Temperature Sensor /Humidity Sensor	Temperature and humidity of the room
Light Control Sensor	Brightness of the Room

The Monitor displays the air condition, current temperature and humidity of the room monitored by the sensors.

Front Monitor

Dust Indicator (blue-red)

Though High Sensitive Dust Sensor, it analyzes the air pollution level (big and small particles) and displays the result by 5 different colors and the blinking speeds on the Indicator.

Air quality in the room (comprehensive judgement)

Blue (lit on)

Orange (blinking)

Red (blinking fast)

Clean

Dirty

It indicates the approximate amount of PM2.5 by the change of colors of the Dust Indicator.

It indicates the odor level by the change of colors of the Indicator.

PM2.5 Indicator (Orange, Red)

PM2.5 in the room

OFF

Orange

Red

Low

High

★The following substance also contains PM2.5:

- cooking fume
- vehicle exhaust
- smoke of burning material

Odor Indicator

Odor in the room

OFF

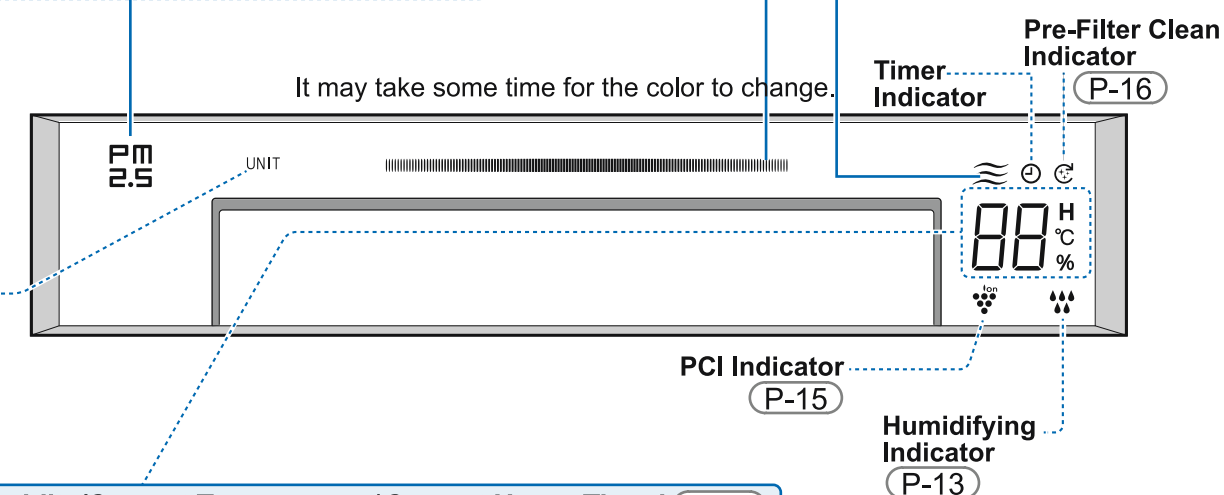
Orange

Red

Low

High

Replacement of PCI Generator (P-31)



Current Humidity/Current Temperature *Current Hours Timed (P-15)

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

Current Humidity (approx.) Indicator
(the reading increases or decreases by 1% at a time from 20% to 90%)

20% 55% 90%

below 20% above 90%

• The humidity cannot be set.

• The unit has no dehumidifying function.

Current Temperature (approx.) Indicator
(the reading increases or decreases by 1°C at a time from 0°C to 50°C)

Lo°C 25°C Hi°C

below -1°C above 51°C

• The temperature cannot be set.

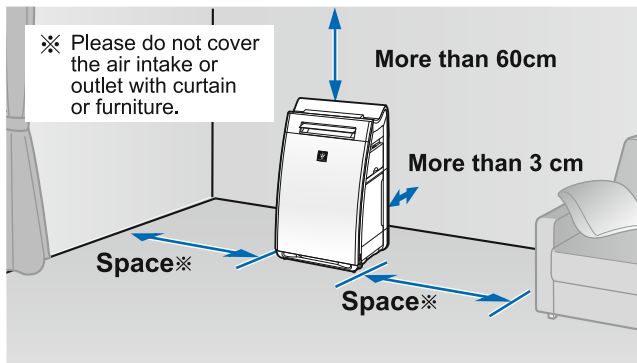
Current Hours Timed
(The timer is set in hours from 1 to 12 hours)

3^H

Before Operation

Installation Instructions

Please locate the unit at the proper place.



The dust collection performance will not be affected even if the unit is located within 3cm away from the wall. However, the wall and the ground may be dirtied. So please keep the unit as far as possible.

Caution

● Please do not use cosmetics containing fluoro-resin or silicone near the unit.

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

If the insulating substances containing fluoro-resin or silicone are in the unit, it is hard to generate PCI.

Display the wrong information 「U3」

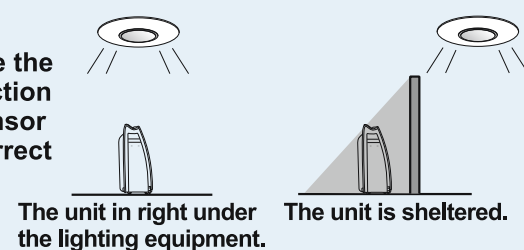
Then, please care and maintain the PCI Generator. (P-26)

Light Control Sensor

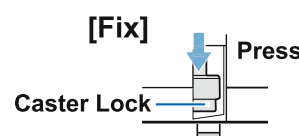
When the light control button is set at Auto Mode, or the unit is operating at Auto Mode or Sleep Mode, the light control sensor will adjust the luminance display according to the room condition automatically.

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.
(You may also adjust the sensitivity of the sensor.)
(P-17~20)

If the unit is placed like the picture, it may malfunction as the light control sensor cannot monitor the correct situation.



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.
- It may cost a little bit strength to fix the Caster Lock.

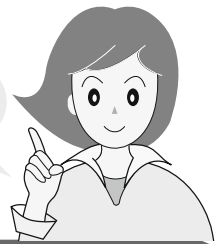
[Unlock]



Press firmly the downside of the lock in the direction of the arrow.

- Please operate the unit in the room temperature from 0°C to 35°C.
Otherwise dew or frost may influence the life time of the filter or break down the unit.
- 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 sensors.
- Please put the unit in flat and stable places.
Otherwise the unit may cause injury to the ground.
- Please keep the unit away from dirty walls, curtains and furniture.
- Please keep the floor or wall near the unit clean.
Please move the unit and clean the floor regularly.
- Please keep the unit away from the TV sets, radios or wave watches as the unit may interfere the reception.

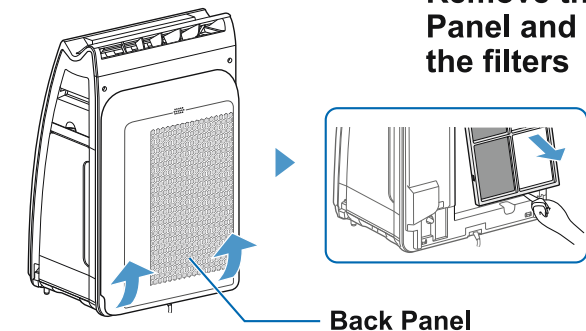
Please unplug the unit before installing the filters.



Filter installation

Please install the filters before plugging the unit.

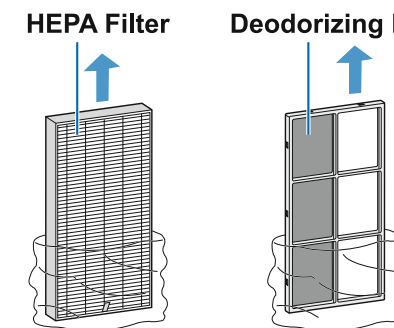
1



Remove the Back Panel and take out the filters

- There are 2 filters in the unit.

2



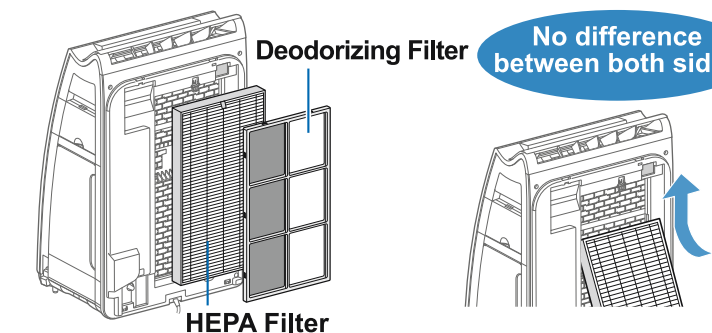
HEPA Filter

Deodorizing Filter

Please take these 2 filters out of the plastic bags.

- Please do not wash the HEPA Filter and Deodorizing Filter.
(Otherwise these filters may lose effect.)
- There might be slight smell when taking out the filters from the plastic bags, which does not influence the performance of filters.

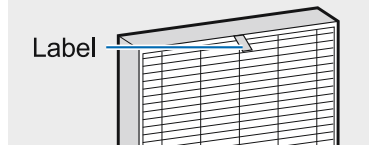
3



Deodorizing Filter

HEPA Filter

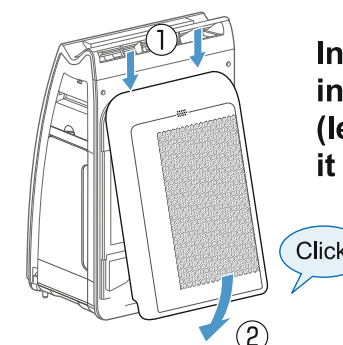
- Please install the filters according to the orders shown in the picture.
- Please put the labelled side outwards when installing the HEPA Filter (the thicker one).
If installed in an opposite direction, there might be no effective purifying result.



The labelled side outwards

- There is no difference between both sides of the Deodorizing Filter.

4

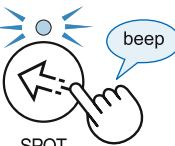


Insert the Back Panel into the bottom hasp (left and right) and secure it as shown below.

Click

Operation (continue)

Full Power Spot Purify Mode/Full Power Shower Purify Mode/Clean Assist Mode

Operation	Full Power Spot Purify Mode	Full Power Shower Purify Mode	Clean Assist Mode
	 SPOT	 SHOWER	 CLEAN ASSIST
	Remove the odor and bacteria attached to sofa, carpet and/or curtain, PCI is released to the front intensively.	Remove the polluted air from the room quickly • A solution to pollen when you go back home; • Laundry are taken out of the Washer; • A solution to the odor after cooking. The unit will release PCI at the highest fan speed, purifying the air as well as controlling static electricity.	Clean the flying dust after a vacuum cleaner is used. The unit can prevent the dust from falling while purifying the air.
	Back panel	Closed	Open
	Front panel	Swing (changeable)	Closed for 10 minutes and open for 50 minutes
	Fan speed	High	Highest speed for 10 minutes Then high speed for 50 minutes The sensitivity of High Sensitive Dust Sensor will be set at [High] automatically
Operation time	8 hours	60 minutes	15 minutes

- Caution**
- PCI is automatically set at [On] and cannot be turned off.
 - When the monitor displays 「E9」, 「U3」 or 「B」, PCI will be no longer released, but the operation continues.
 - When the unit is at Full Power Spot Purify Mode and you press this button again, you will hear two Beeps and the unit will resume the operation that was set on previously.
 - When the operation is stopped, and the operation button is pressed again, the unit will resume its former operation.
 - Even the unit is set at Auto Recovery P19, it will resume its former operation after power failure. (P-19)

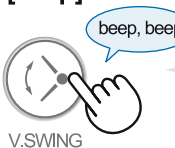
Change of Louver Direction

The swing angle of the Front Louver can be adjusted.

Swing/Stop

(In operation)

[Swing]  beep

[Stop]  beep, beep

When the Swing button is pressed during operation, the front louver will start swinging after a beep.

The angle cannot be adjusted when the unit is on Full Power Spot Purify Mode, Full Power Shower Purify Mode or Clean Assist Mode.

If the Swing button is pressed when the louver is swinging, the Front Louver will stop swinging after two beeps.

Swing angles.



- Caution**
- The swing angle will be different on different modes.
 - The Back Louver cannot be adjusted.
 - Do not change the angle of Back Louver manually, otherwise it may lead to failure or injury.

Function

Temperature/Humidity Indicator Switch

When showing the current humidity (approx.) and temperature (approx.)

Switch

(Operation)


HUMIDITY / TEMP.

Press the button, the indicator will switch according to this sequence.

beep, beep

59% → 19℃

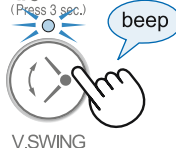
Current humidity Current temperature

- Current humidity and current temperature are for your reference only.

Child Lock

Avoid mishandling by children.

Set/Cancel

[set]  (Press 3 sec.) beep

[cancel]  (Press 3 sec.) beep, beep

press for at least 3 seconds

press for at least 3 seconds

- Once the Child Lock is set, no button is functional except the lock cancelling. If other buttons are pressed, you will hear three beeps indicating invalid handling.
- 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.) (P-17~20)

PCI(ion) ON/OFF

ON/OFF

(In operation)

[On]  beep

[Off]  beep, beep

press for at least 3 seconds

press for at least 3 seconds

- When the PCI(ion) Mode is set at OFF, the unit will stop releasing PCI and the PCI Indicator will turn off.

60% Off

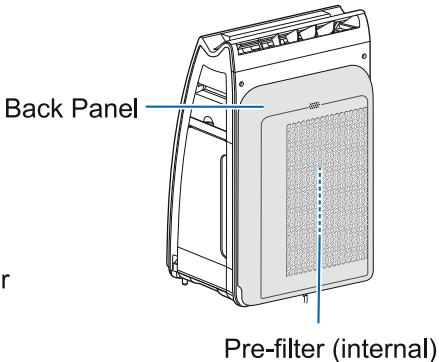
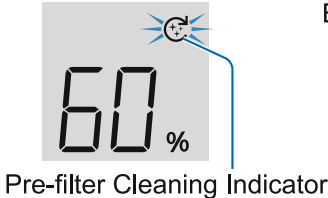
Function (continue)

Auto cleaning of the Pre-filter

Once the auto cleaning is set, the air purifying operation will be suspended every 48 hours for the cleaning of the Pre-filter (the cleaning lasts 8 minutes).
The auto cleaning of the Pre-filter is a default setting.

The Pre-filter Cleaning Indicator light is lit on Monitor.

How to change the setting (P-17~20)



If the auto cleaning is cancelled, the unit will clean the Pre-filter and collect the dust automatically every month (about 720 hours).

Manual cleaning of the Pre-filter

Manual cleaning



[Light on]



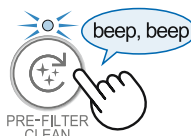
[Blinking]

- The manual cleaning can also be set on the Auto cleaning of the Pre-filter [Set/Cancel] mode.
- The auto cleaning starts when the Pre-filter Cleaning Indicator on the Control Panel is on and the Pre-filter Cleaning Indicator on the Monitor is blinking.
- If the auto cleaning button is pressed when the unit is in operation, the air purifying operation will be suspended for the cleaning of the Pre-filter. After the cleaning is finished, the unit will resume the air purifying operation.

Halt of the auto cleaning of the Pre-filter

Halt

(In auto cleaning)



[Blinking]



[Blinking]

- Once the auto cleaning is halted, the Pre-filter will return to its original position. (After it returns to its original position, the indicator will be off.)

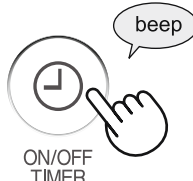
Caution

- The auto cleaning will not start when
 - The unit is on Spot Purify/Shower Purify/Clean Assist mode.
 - The dust sensor indicator is not blue. The room is [dark].
- After the Spot Purify/Shower Purify/Clean Assist mode finishes, the dust sensor indicator is blue, and it has been bright in the room for over 10 minutes, the Pre-filter auto cleaning will start. (If it has been 720 hours since last auto cleaning, the auto cleaning will start anyway.)
- If you want to stop the auto cleaning of the Pre-filter, you may press Power ON/OFF button. (The Pre-filter will not return to its original position until next auto cleaning finishes.)

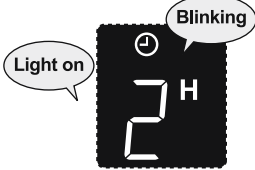
ON/OFF Timer

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

(Not in operation)



Press ON/OFF Timer



After each press, the Timer indicator will blink with one beep. You can choose your favorite time.

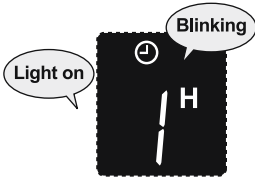
0H→1H→2H→3H→4H→5H→6H→7H→8H→9H→10H→11H→12H

- If there is no operation in 3 seconds, the setting will be finished with a beep. The Timer Indicator Light will be on and display the remaining hour before the operation starts.
- You may reset the timer by pressing the ON/OFF Timer again.

(In operation)



Press ON/OFF Timer



After each press, the Timer indicator will blink with one beep. You can choose your favorite time.

0H→1H→2H→3H→4H→5H→6H→7H→8H→9H→10H→11H→12H

- If there is no operation in 3 seconds, the setting will be finished with a beep. The Monitor will be back to its previous status.
- After the setting is done, press once the ON/OFF Timer, the remaining hour of the operation will show, and press twice, you may reset the Timer.

Mode Settings

Function & Mode Settings

(The highlight part is the default status.)

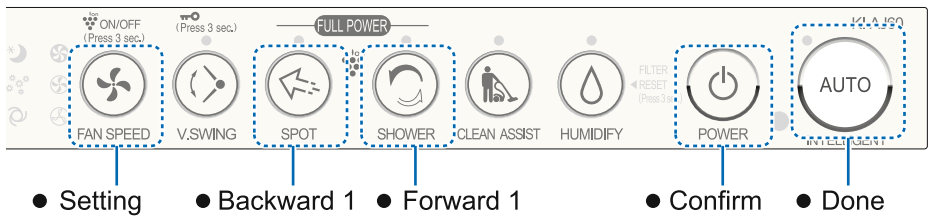
Function No	Comments	Setting Serial No
Light Control F1	It adjusts the brightness of the monitor. (P-19)	01 (beep, beep) → 02 (beep) → 03 (beep) Auto Dim Off
Water-filling Indicator F2	It indicates through the sound when adding water. (P-19)	01 (beep, beep) → 02 (beep) without Indication Sound with Indication Sound
Auto Recovery F3	The unit will return to its former operation once it resumes from the power failure. (P-19)	01 (beep, beep) → 02 (beep) Off (cancel) On (set)
Sensitivity of Light Control Sensor F4	The sensitivity of Light Control Sensor can be adjusted. (P-20)	01 (beep) → 02 (beep, beep) → 03 (beep) Low Standard High
Sensitivity of High Sensitive Dust Sensor F5	The sensitivity of High Sensitive Dust Sensor can be adjusted. (P-20)	01 (beep) → 02 (beep, beep) → 03 (beep) Low Standard High
Sensitivity of Odor Sensor F6	The sensitivity of Odor Sensor can be adjusted. (P-20)	01 (beep) → 02 (beep, beep) → 03 (beep) Low Standard High
Auto cleaning of Pre-filter F7	Auto cleaning of Pre-filter can be set. (P-20)	01 (beep, beep) → 02 (beep) On (set) Off (cancel)

Function

Function (continue)

Mode Settings

How to Change the Setting



1

FAN SPEED

Press for at least 3 seconds

F1

Display Functional Code

Mode setting

2

SHOWER

AUTO
INTELLIGENT

F1 ↔ F2 ↔ ... ↔ F7

Choose the mode that you want to use

Press this Button, it will forward one step.

Press this Button, it will backward one step.

Confirm

01

It displays the code of the mode chosen.

3

SHOWER

AUTO
INTELLIGENT

(e.g.) when you want to change the brightness of the sensor indicator.

01 ↔ 02 ↔ 03
Auto Dim Off

Choose the mode that you want to use

Press this Button, it will forward one step.

Press this Button, it will backward one step.

Confirm

F2

It displays the code of the mode chosen.

4

POWER

Lights off.

Mode setting finished.

- Caution
- If you want to continue with other functional settings, you can do step 2 and step 3 again.
 - If there is no operation within 1 minutes, you will hear Beep from the buzzer and the Indicator Light of the Monitor will turn off.
 - The unit will memorize your setting automatically even when the power plug is taken out.

Mode Settings (Operating methods refer to P-18)

Brightness of Light Control Sensor Indicator

F1

01 ↔ 02 ↔ 03
beep, beep beep beep beep

Auto

Dim

Off

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

It displays in a dim way.

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.

● The PCI Generator Replacement Indicator will blink in a dim way if the PCI Generator need to be replaced.

● If the Monitor Light is set at OFF, the Monitor will be Dim for 3 seconds before going off.

Water-filling Indicator

F2

01 ↔ 02
beep, beep beep

Without Indication Sound

With Indication Sound

The Humidifying Indicator blinks with no sound. (Default)

The Humidifying Indicator blinks with a sound of beep-beep-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 ↔ 02
beep, beep beep

Off (canceled)

On(set)

When there is a power failure, or the unit is unplugged during operation, it will not restart to operation even the power is back. (Resume to default setting)

When there is a power cut, power failure or the unit is unplugged during operation, it will resume to your former operation and settings once the power is back.

Function (continue)

Mode Settings (Operating methods refer to P-18)

Sensitivity of Light Control Sensor F4

01

beep

Low

The Front Monitor still displays in bright even it turns dark in the room.

02

beep, beep

Standard

【Default】

03

beep

High

It is bright in the room while the Front Monitor displays in dark.

Sensitivity of High Sensitive Dust Sensor F5

01

beep

Low

When PM2.5 Indicator or Dust Indicator turns to RED frequently.

02

beep, beep

Standard

【Default】

03

beep

High

When PM2.5 Indicator doesn't light up, and Dust Indicator stays in Blue.

Sensitivity of Odor Sensor F6

01

beep

Low

When Dust Indicator turns to RED frequently.

02

beep, beep

Standard

【Default】

03

beep

High

When Dust Indicator stays in Blue.

Auto Cleaning of the Pre-filter F7

01

beep, beep

On(set)

The dust on the Pre-filter will be cleaned every 48 hours. 【Default】

02

beep

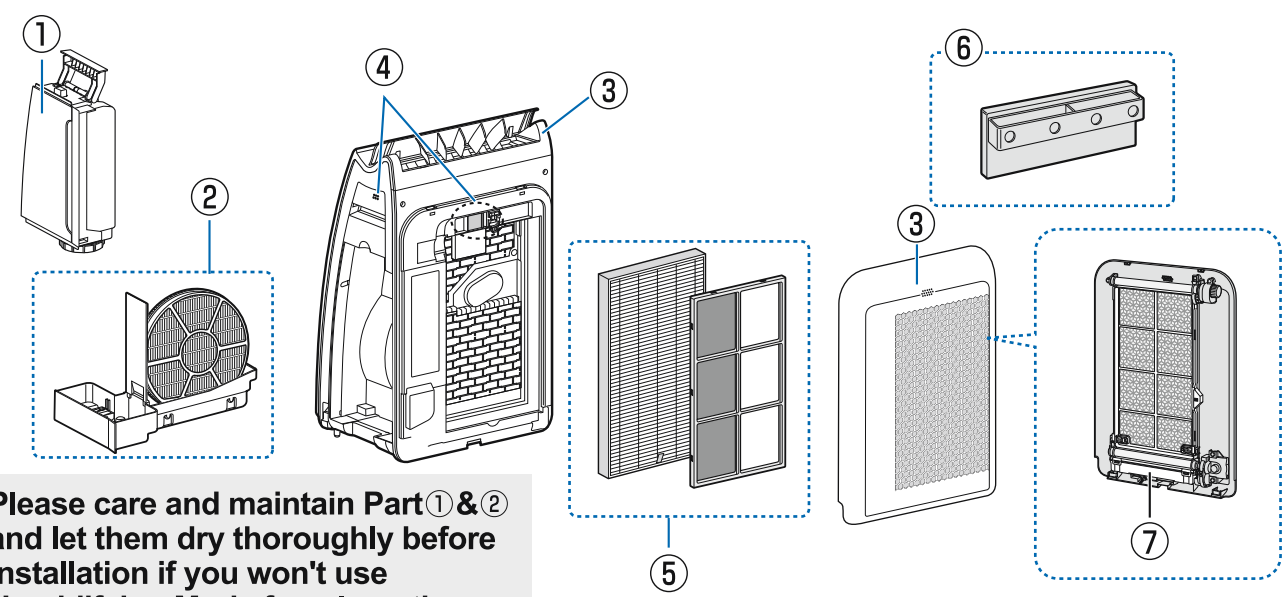
Off(canceled)

No auto cleaning for the Pre-filter. Please make the cleaning setting.

- In order to keep the air clean, the unit will clean the Pre-filter and collect the dust automatically one month (about 720 hours) after previous cleaning.

Care and Maintenance

Maintenance location



Please care and maintain Part ① & ② and let them dry thoroughly before installation if you won't use Humidifying 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	P-23	Every time when filling water	○	○
② Humidifying Filter, Tray	P-23	Once a month	○	○
③ Main Unit, Back Panel	P-25			—
④ Sensors	P-25			—
⑤ HEPA Filter, Deodorizing Filter	P-25	—	—	○
⑥ PCI Generator	P-26	Every six months	—	—
⑦ Dust Box	P-27			

Humidifying Clean Indicator Light

※ The light is off when there is no water filled.

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

Humidifying Clean Indicator

After maintenance

Over 3 seconds

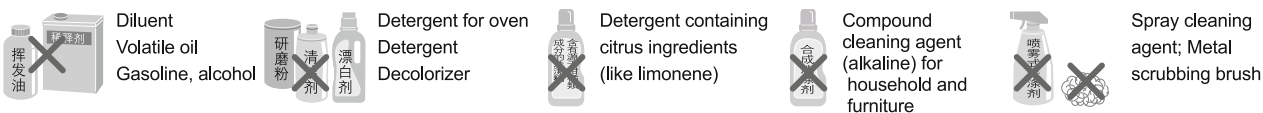
After care and maintenance, please keep pressing Humidifying Button for more than 3 seconds so that the Humidifying Clean Indicator can turn off.

- After care and maintenance, even the Humidifying Clean Indicator is not on, please press the Humidifying Button for more than 3 seconds.

Care and Maintenance (continue)

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, Deodorizing Filter

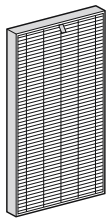
Air purifier is a machine to collect (remove) dust or smell in the room. Strong smells like fragrance, perfume, cigarette or barbecue in the room will adhere to the filter and odor will be generated in several weeks/months. Careful cleaning, no matter how frequent, can control the generation of odor and lengthen the life span of the filter. (P-28)

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

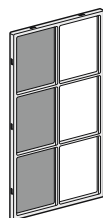
Capture PM2.5, pollen, sensitizers (feces and bodies of acarian), mould, dust, dirt, cigarette smoke (particle), pet's hair, etc.



- 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.

Deodorizing Filter

Absorb cigarette smell (odor), toilet smell, household garbage smell, pet smell, and hazardous gases like vehicle exhaust



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

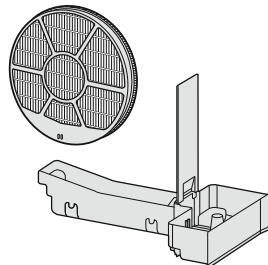
Humidifying Filter, Tray

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, when the filter is dry (when it is not humidifying). Please clean the filter at this time. (The frequency depends on the water quality.) (P-23)

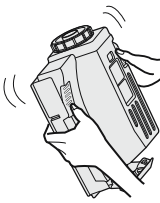
No matter if the care and maintenance indicator light is on or not, to rinse the filter or the tray will make it hard for mineral elements to adhere and hence to control the generation of odor.

- 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

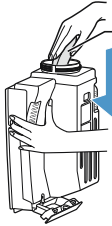
Water injection every time



Fill a small amount of water and shake it to clean

- Do not put it upside down. (otherwise, it 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

Use a sponge pad

Clean the tank lid and inside

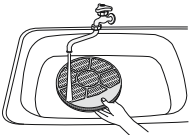
- There might be white substance adhered to rubber part of the tank lid. Please use toothbrush to clean it.

Humidifying Filter/Tray

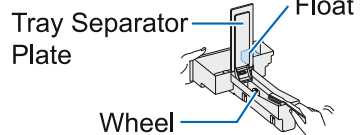
About once a month

Rinsing

Humidifying Filter



Tray

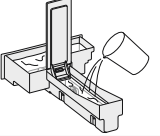


Do not separate Tray Separator Plate, Float and Wheel. ※ (otherwise, it might cause leakage or failure).

What to do when they drop off (P-24)

- Keep the Humidifying Filter at the status shown in the picture and take it to the sink. Then
- separate and clean it. Change the water in the tray frequently. (Otherwise, mould, bacteria and odor might generate.)

When sensitive to dirt or smell

Condition of the dirt	Scale (hard to remove) · smell		White substance (hard to remove)
Items needed	Kitchen-purposed compound detergent	Baking soda	Citric acid or vinegar (available in supermarket)
Amount	Water (below 40°C) Appropriate amount	Water (below 40°C) Appropriate amount	Water (below 40°C) Appropriate amount
Cleaning method	 Humidifying Filter soaking		
Soaking time	About 30-60 minutes	About 30 minutes	About 2 hours
After soaking	Wash it thoroughly and ensure that there is no residue of detergent, baking soda, citric acid or vinegar (Otherwise smell, 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 (leakage) might happen.
- If they are not washed thoroughly, the residue of detergent or citric acid might cause
- smell and deformation or color changing of the main unit.
- Do not separate Tray Separator Plate, Float and Wheel. Operating the Unit when there are scale or white substances might cause water leak.

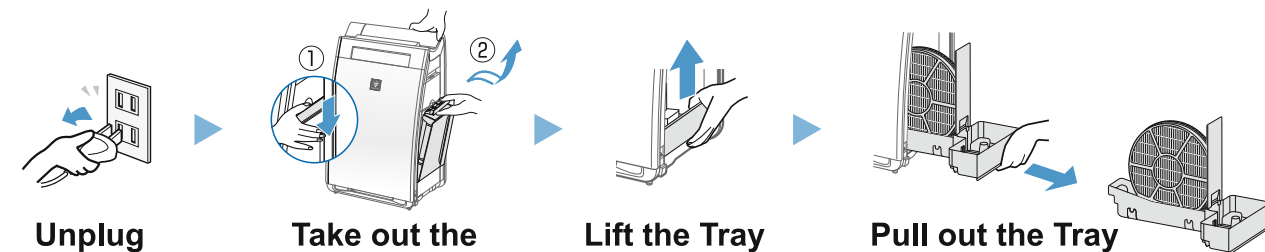
Care and Maintenance (continue)

Change the filter when the odor and dirt cannot be removed or are too severe. (P-32)

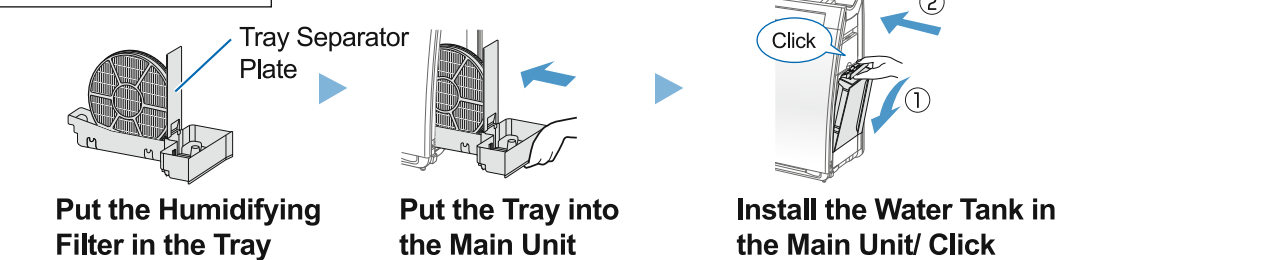


Water Tank/ Humidifying Filter/Tray

How to dismantle



How to install

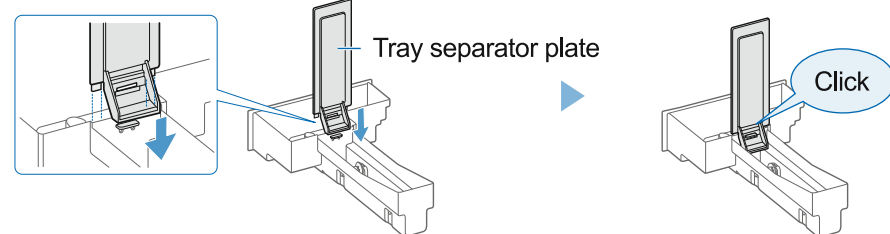


- Sometimes, the Tray Separator Plate is loose, which is normal.
- There is no difference for the two sides of the Humidifying Filter.

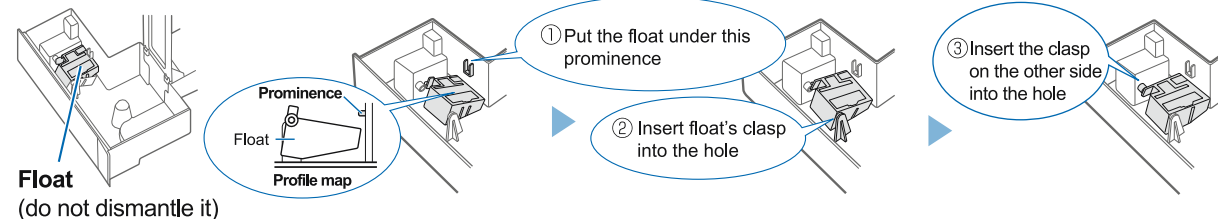
When the Tray separator plate/float/wheel falls off

Tray separator plate

Insert it as shown in the picture

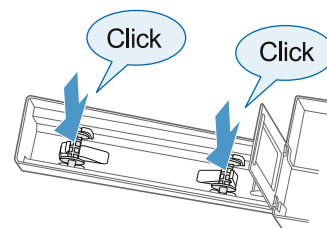


Float



Wheel

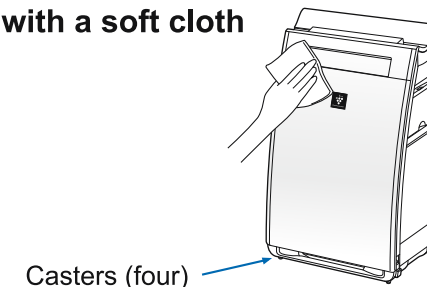
Hook the prominence of the tray in the direction shown in the picture



Main Unit/Back Panel

About once a month

Wipe it with a soft cloth



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



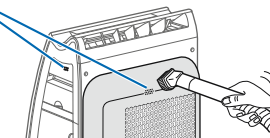
Never wash the Main Unit and Back Panel with water

Sensor

About once a month

Remove dust with vacuum cleaner

Sensor

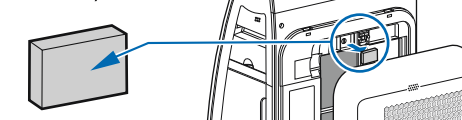


When sensitive to dirt or smell

Rinse the sensor filter

- Install it after it dries completely

Sensor filter (no difference for the two sides)



HEPA Filter/ Deodorizing Filter

When sensitive to smell from the air outlet

When sensitive to dirt or smell

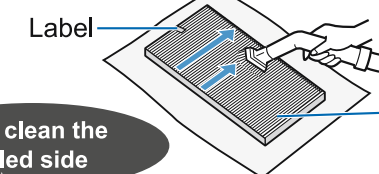
Clean the dust on the filter with a vacuum cleaner



Never wash them with water (otherwise the filters will become ineffective)

HEPA Filter

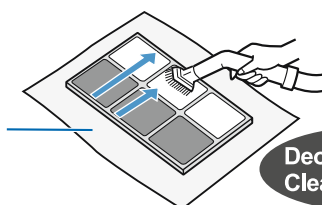
Deodorizing Filter



Only clean the labelled side

- Clean the dust adhered to the filter
- Do not use too much strength as the filters are easily broken.

Put newspapers under the filter to avoid polluting the environment



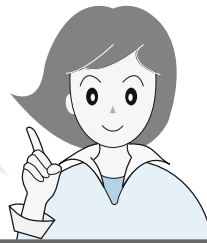
Deodorizing filter Clean both sides

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

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

Care and Maintenance (continue)

Please carefully clean and keep the PCI Generator in good repair so as to maintain the high concentration of PCI.

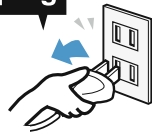


PCI Generator (Electrode)

Once six months (When it is operating 24 hours per day)

1

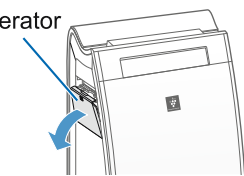
Unplug



Unplug

2

Shield of Generator

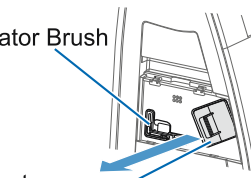


Take off the Shield of Generator

3

PCI Generator Brush

PCI Generator Frame Handle

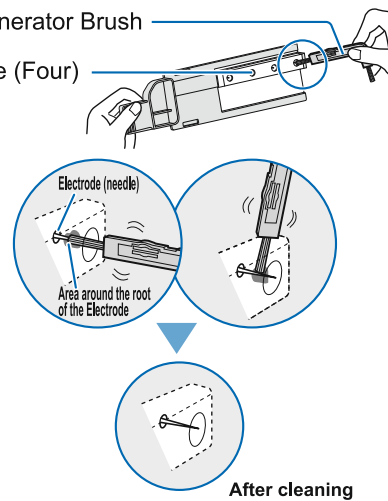


Hold the PCI Generator Frame Handle and take it out

4

PCI Generator Brush

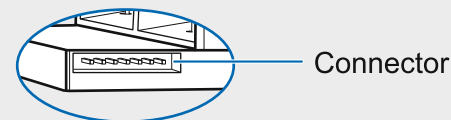
Electrode (Four)



Please use PCI Generator Brush or cotton bud to clean the dust on the Electrodes.

※ Please use wet cotton bud to clean when the dirt is hard to remove.

- Do not touch the Electrodes with your fingers. (Otherwise, it may lead to injury.)
- Do not transform the Electrodes. (Otherwise, it may lead to malfunction.)
- Do not touch the terminal. (Otherwise, it may lead to malfunction.)



Connector

Install PCI Generator and Shield of Generator.

5

Click



Caution

- Please insert the Generator to the bottom, otherwise, there will be an error E9 when operating.

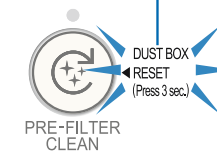
Dust Box

Dust Clean Indicator

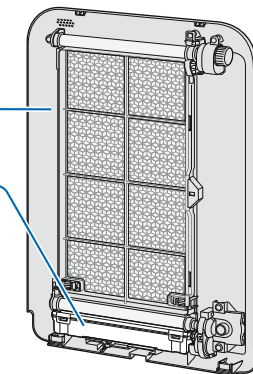
Please clean the Dust Box when the Dust Clean Indicator is on.

(The Indicator will be on every six months if the unit is used for 24 hours per day.)

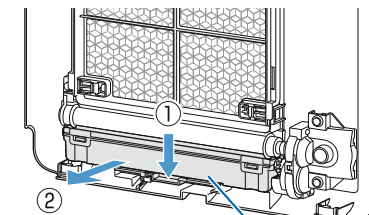
Dust Clean Indicator



Dust Box



1



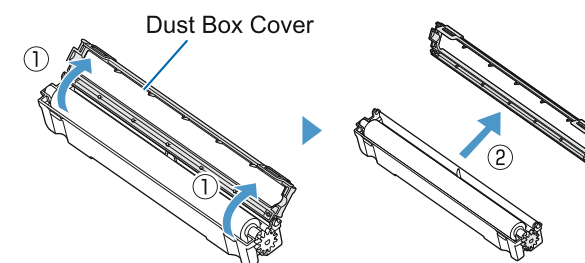
Dust Box

Take out the Dust Box from the Back Panel

- Press the handle(①) and take out the Dust Box(②) at the same time

How to dismantle the back panel (P-11)

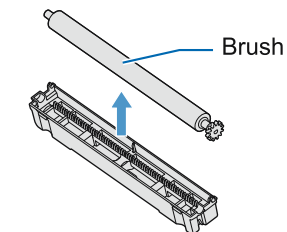
2



Take off the Box Cover

- Discharge the two clasps(①) and take out(②).

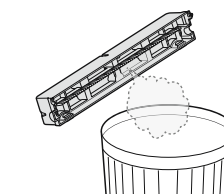
3



Brush

Take out the Brush

4



Dump the dust

Care and Maintenance (continue)

Warning

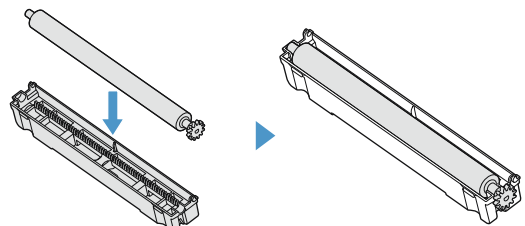
Be sure to turn off the unit and pull the plug off when maintaining it.

Otherwise, electric shock or injury might happen.

Dust Box

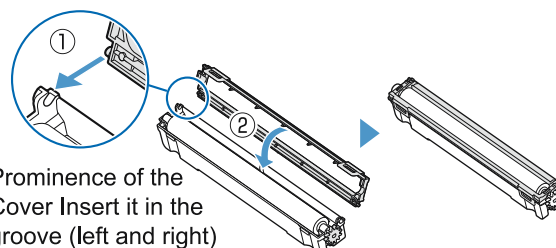
When the Dust Clean Indicator is on

5



Install the brush

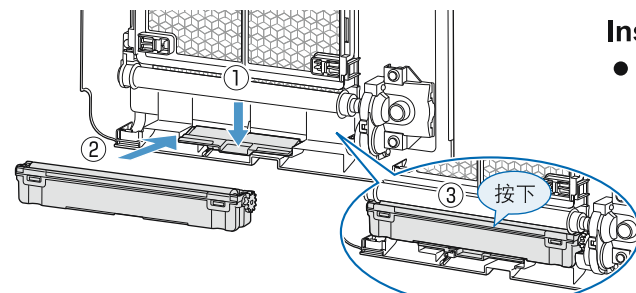
6



Assemble the Dust Box

Prominence of the Cover Insert it in the groove (left and right)

7

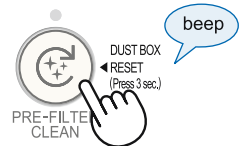


Install the Dust Box into the Back Panel

- Press the handle(①) and put in the Dust Box(②) at the same time.

How to install the Back Panel (P-11)

After the maintenance



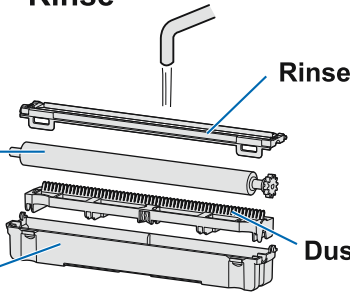
The operation starts. Press the Pre-filter Clean Button for 3 seconds to turn off the indicator

- Press the Pre-filter Clean Button for 3 seconds to reset it even if the cleaning indicator is not on.

After the maintenance Press for over 3 seconds

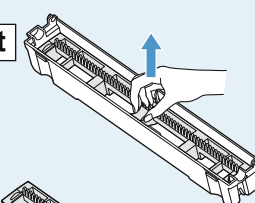
When sensitive to dirt or smell

Rinse

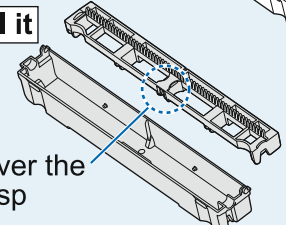


Dust Comb can be dismantled

How to dismantle it



How to install it

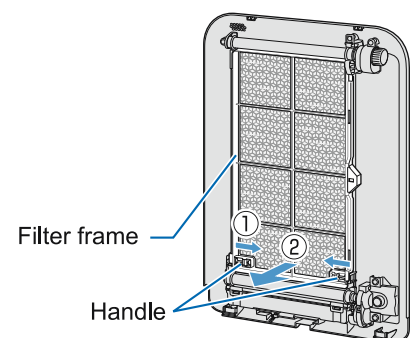


Cover the clasp

- Install it to the main unit after it is dried thoroughly.

Pre-filter(Before Cleaning)

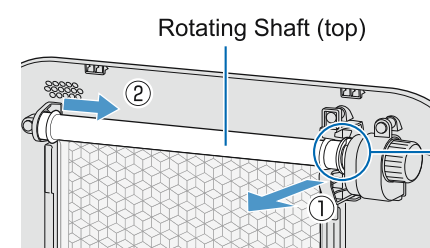
1



Move the handles (left and right) in the direction shown in the picture(①) and take out the filter frame(②).

How to dismantle the Back Panel (P-11)

2

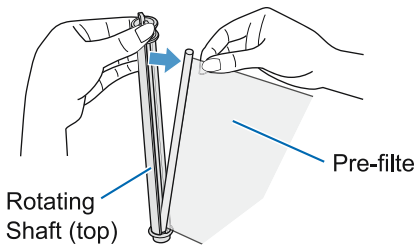


Take off the Rotating Shaft

Prominence at the right Discharge directly

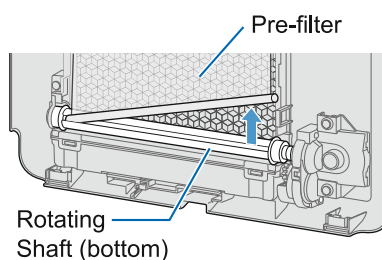
Prominence

3



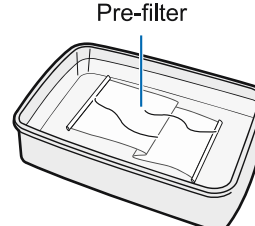
Pull out the Pre-filter from the Rotating Shaft (top)

4



Pull out the Pre-filter from the Rotating Shaft (bottom)

5



Soaking time: 10 minutes

Soaking and cleaning the Pre-filter

- Soak the Pre-filter in detergent (a proper amount)
- Rinse it thoroughly after 10 minutes to make sure that there is no residue of detergent
- Dry it thoroughly

Caution

- Do not clean it too hard. Do not wash it with a washing machine. (Otherwise it might cause damage.)
- Do not dry it with a dryer. (Otherwise it might cause shrinkage.)

Care and Maintenance (continue)


Warning



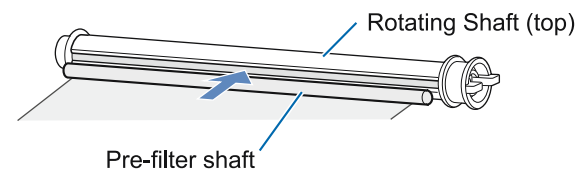
Be sure to turn off the unit and pull the plug off when maintaining it.

Otherwise, electric shock or injury might happen.

Pre-filter

When there is dirt or smell

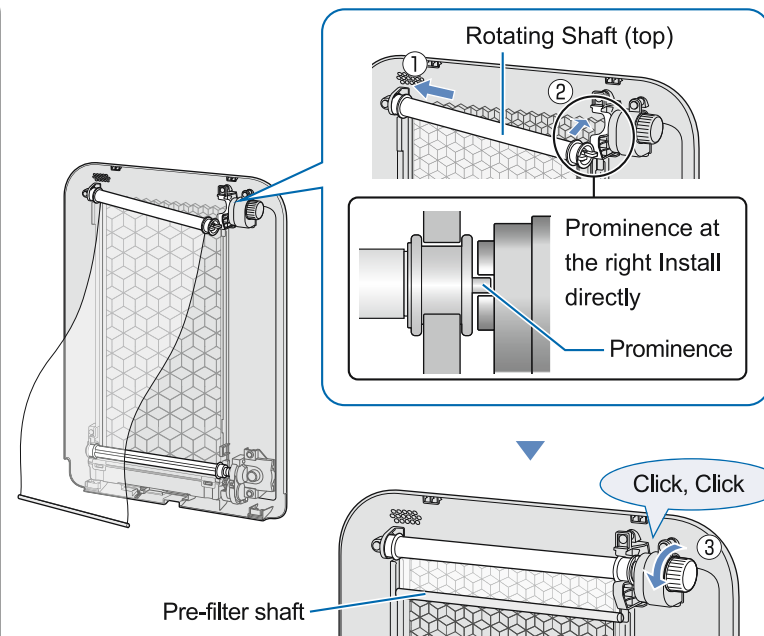
6



Put the Pre-filter into the Rotating Shaft (top)

- Insert the Pre-filter shaft into the groove of the Rotating Shaft (top)

7



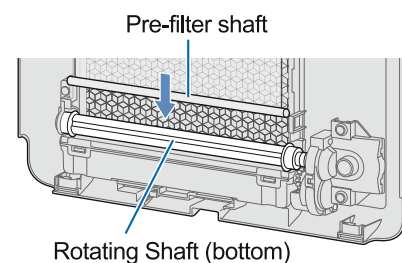
Install the Rotating Shaft (top) on the Back Panel

- Insert the left part of the Rotating Shaft (top) into the Back Panel(①) and install it(②).

Roll up the Pre-filter with an anticlockwise rotation.

- Roll up the Pre-filter completely(③)

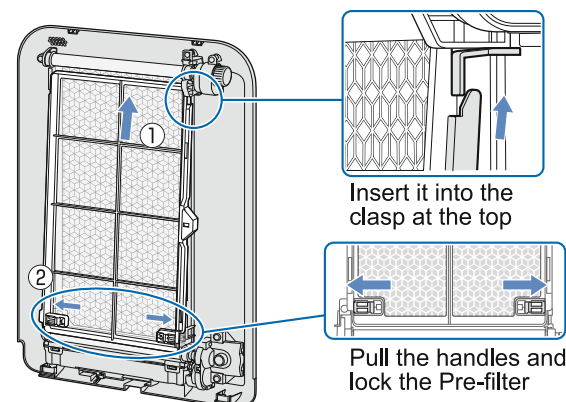
8



Pull down the Pre-filter shaft and install it to the Rotating Shaft (bottom).

- Insert the Pre-filter shaft into the groove of the Rotating Shaft (bottom).

9



Install Pre-filter Frame

How to install the Back Panel (P-11)

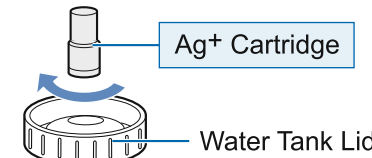
PCI Generator/Replacement of Consumables

Ag+ Cartridge

about 2 years※

Model:FZ-GB01AG-HK

Follow the replacing steps on product box (or operation manual).



The Ag+ Device 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.

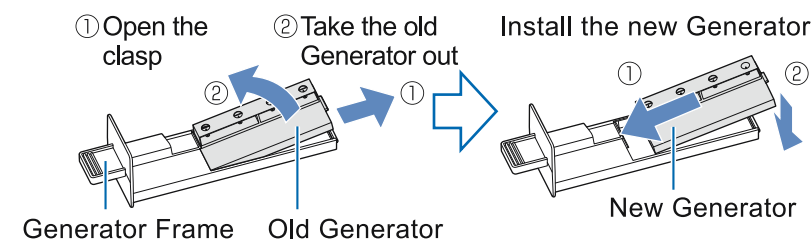
Water tank lid is not for replacement and please do not lose it.

PCI Generator

When the Generator Replacement Indicator (red) blinks※

Model:IZ-C75SE

Replace the Generator



Take out the old Generator from the Frame and install the new Generator.

- Pay attention to the installation direction. The Generator cannot be installed if it is put in reversely.
- How to take it out from the main unit: refer to (P-26).

Once the operation time reaches 17,500 hours (about 2 years if operating 24 hours per day), the Indicator will blink, indicating that the life time of the Generator expires. (The life time remains the same in different operation modes.)

Start using the Generator

Total operation time

About 17,500 hours

- Please replace the Generator.

⇨ UNIT ⇨ Replacement Indicator blinks (Red)

Total operation time

About 19,000 hours

- No PCI will be released by the Generator

⇨ UNIT ⇨ Replacement Indicator blinks (Red)

(After replacing the Generator, the Replacement Indicator will be off.)

PCI Generator/Replacement of Consumables (continue)

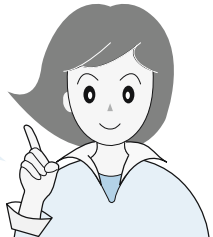

Warning



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

Otherwise, electric shock or injury might happen.

Troubleshooting

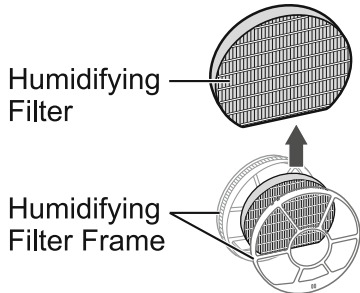
Please review this chart before calling for repair service.


Humidifying Filter

about 2 years

Model:FZ-BB60XK-HK

Follow the replacing steps on the operation manual.
Humidifying Filter Frame does not need to be replaced and please do not lose it.



Humidifying Filter
Humidifying Filter Frame

Humidifying filter's life span differs according to the water quality. Please replace it when following situations happen:

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

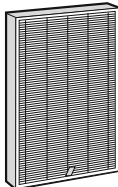
Humidifying filter's life span differs in different situations, and it needs to be cleaned regularly.

HEPA Filter

about 5 years

Model:FZ-GF60XH-HK

Follow the replacing steps on the operation manual.



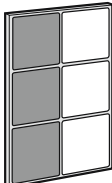
The replacement might be as frequent as several weeks or months in some situation. It needs to be replaced if there is odor generated.

Deodorizing Filter

about 5 years

Model:FZ-G60DFE-HK

Follow the replacing steps on the operation manual.



The replacement might be as frequent as several weeks or months in some situation. It needs to be replaced if there is odor generated.

Caution

- When changing the filter, place newspapers under it to avoid polluting the environment.
- The old items need to be dealt with as non-burnable waste.
- The old items need to be dealt with according to local waste sorting regulations.

Humidifying filter	PET/Rayon	HEPA filter	PP/PE
Deodorizing filter	Active carbon/ABS resin(frame)	Ag ⁺ Cartridge	Nylon / PP

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

Problems	Please check	Please refer to
No vapor	No vapor will be seen as evaporation method is adopted (generating humid air via humidifying filter) instead of boiling the water	—
Will humidification be excessive?	This will not happen as electrical heating is not adopted (confirm with the indicator during 'humidifying')	—
Water in the Water Tank does not reduce, or the reduction speed slows down	- Is the humidifying mode off? - Is the Fan Speed set on the mode of "auto", "sleep", "pollen", or "spot purify/shower purify"? - Humidification will stop after reaching certain humidity. - Are water tank, tray, humidifying filter and float correctly installed? - Are there any incrustation or waste adhered to the humidifying filter? - Please clean and maintain it. - Humidification level will change according to the room humidity and temperature. 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. Humidification level will increase and water in the water tank will reduce quickly when the humidity level is low (dry weather) or it is hot.	13 12,14 13,24 23,24 —
Humidity does not increase	- Is there any water in the tank? - Is the room too large? - Please use it in the room with the recommended size. - Is the main unit located near the outlet of an air conditioner or a heater? - Please change the place as temperature/humidity sensor might be misguided. - Is there any incrustation or waste adhered to the humidifying filter or the tray? - Please clean and maintain it. - Is the temperature displayed? - Please switch the button of humidity/temperature to humidity.	13 40 10 23,24 15
When the humidifying mode is on, the wind from outlet is cold	- Evaporation absorbs heat so the room temperature will decrease. 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%.) - Please adjust the angle of the louver to change the wind direction. (The wind direction cannot be changed when the unit is on Full Power Shower/Clean Assist Modes.)	— 14
Why tap water?	Tap water is chlorinated and thus hard for bacteria to reproduce, so 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. If such water is used, please carefully clean the unit and parts regularly.	—

Troubleshooting (continue)

Problems

Please check

Please refer to

It is hard to remove smell or smoke

● Is filter still in the plastic bag?
⇒ Please take it out.

● Does the air from the outlet weaken?
⇒ Please clean the items with a

Items					
Sensor	Water Tank	Tray	Humidifying filter	Deodorizing filter	HEPA Filter
★			★	★	★

※After canceling the Auto Clean of Pre-filter Mode, please clean the dust on the Back Panel with a vacuum cleaner.

The discharged air is smelly

● Have you cleaned and maintained the Humidifying filter?
⇒ Please clean and maintain it.

● The water in the tray has not been changed for a long time?
⇒ Please clean and maintain the tray and humidifying filter.

● Is it used in a room with strong smell?
The filter might be smelly in several weeks or months if the unit is used in an environment where there are strong smells like cigarette or barbecue or if there are bacteria reproduced in the Tray or Water Tank. The filter might need to be changed under such circumstance.
⇒ Please ensure the ventilation of the room while using the machine.

● Please check the items with a★and clean and maintain those where smell is from.

Items					
Sensor	Water Tank	Tray	Humidifying filter	Deodorizing filter	HEPA Filter
	★	★	★	★	★

● A small quantity of ozone will be produced when PCI is generated. So, there will be a small amount of odor, which is not harmful to the health.

A sound of “pip, pip” comes from the unit

● The sound is caused by water flowing from water tank to tray. The sound frequency differs on humidifying levels.

A clicking or ticking sound comes from the back of the unit

● Is the Pre-filter clean indicator on the Control Panel blinking?
⇒ This sound is made when the unit is on Pre-filter Auto Clean Mode.

A clicking or ticking sound comes from the unit

● It is the sound when PCI is generated, which is not abnormal. The volume differs in different environment and operation modes. Sometimes it is mute. PCI effect is all the same. PCI can be turned off.

Odor

23

23,24

22~25

32

22~25

—

Sound

11

22~25

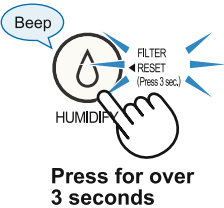
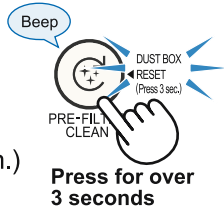
—

16

15

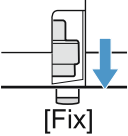
Problems		Please check	Please refer to
Pre-filter Auto Clean	There is dust on Pre-filter	- Is the Dust Box full? ⇒ Please clean and maintain the Dust Box. - Is the Dust Box installed? ⇒ Pre-filter Auto Clean cannot be performed normally if the Dust Box is not installed. Please install it. - The dirt on Pre-filter cannot be completely removed in some situation. If so, please take out the Pre-filter and clean and maintain it manually.	27,28 27,28 29,30
	The Pre-filter Auto Clean function will not perform.	- Pre-filter Auto Clean function will not perform if it has not been 48 hours since last Auto Clean operation. - Is it dark in the room? ⇒ The Pre-filter Auto Clean will not start if it is dark in the room. - Is the unit on Full Power Spot Purify/Shower/Clean Assist Mode? ⇒ Pre-filter Auto Clean function will not perform when the unit is on Full Power Spot Purify/Shower/Clean Assist Mode. - Is the air in the room dirty? ⇒ Pre-filter Auto Clean function will not perform if the Dust Indicator is not displaying the color of [Blue]. - Are there any buttons pressed? ⇒ If there is any button pressed, the Pre-filter Auto Clean will not start until 10 minutes later.	16 16 16 16 —
	The Pre-filter Auto Clean starts even after it has been set OFF (cancelled).	The Pre-filter Auto Clean will start anyway after 720 hours' operation to prevent the Pre-filter from being blocked by dusts.	16
	The Pre-filter Auto Clean operation is halted, but the Pre-filter Auto Clean Indicator still blinks	If the Pre-filter Auto Clean operation is halted, the Pre-filter Auto Clean Indicator will keep blinking until the Pre-filter returns to its original position.	16
	The Pre-filter Auto Clean operation stops when the Back Panel is opened.	The Pre-filter Auto Clean operation will stop for the sake of safety once the Back Panel is opened.	—
	Air purifying operation stops, and the Pre-filter Auto Clean Indicator blinks	The air purifying operation will halt once the Pre-filter Auto Clean operation starts.	16
Operation	There is no reaction but a beeping sound after pressing any button	Is the unit set on Child Lock Mode? ⇒ Press the Louver button for 3 seconds to unlock.	15
	The operation stops suddenly and there is no air from the outlet.	Is the unit on Pre-filter Auto Clean Mode? ⇒ The operation stops when the unit is on Pre-filter Auto Clean Mode (it lasts about 8 minutes).	16

Troubleshooting (continue)

Problems		Please check		Please refer to																	
Indicator	Humidifying Clean Indicator is on.	● Clean items with a★. <table border="1"><thead><tr><th colspan="6">Items</th></tr><tr><th>Sensor</th><th>Water Tank</th><th>Tray</th><th>Humidifying filter</th><th>Deodorizing filter</th><th>HEPA Filter</th></tr></thead><tbody><tr><td></td><td>★</td><td>★</td><td>★</td><td></td><td></td></tr></tbody></table>	Items						Sensor	Water Tank	Tray	Humidifying filter	Deodorizing filter	HEPA Filter		★	★	★			23,24
	Items																				
	Sensor	Water Tank	Tray	Humidifying filter	Deodorizing filter	HEPA Filter															
		★	★	★																	
	Humidifying Clean indicator does not go off	● Have you pressed the Humidify Button for over 3 seconds? ⇒ After cleaning, press the Humidify Button for over 3 seconds to reset it. (The indicator will turn off then.) 	21																		
	Dust Clean Indicator is on.	● It is time to clean the Dust Box. Please empty the Dust Box and clean and maintain it.	27,28																		
Dust Clean Indicator does not turn off	● Have you pressed the Pre-filter Auto Clean Button for over 3 seconds? ⇒ After cleaning the Dust Box, press the Pre-filter Auto Clean Button for over 3 seconds to reset it. (The Dust Clean Indicator will turn off then.) 	27,28																			
There is water in the Water Tank but the Humidifying Indicator is off or is blinking in red	● Is the float stuck somewhere? ⇒ Clean the float and make use it is properly installed. ● Are water tank and tray properly installed? ⇒ install them correctly in the main unit. ● The float might malfunction when there are magnetic objects nearby like loudspeaker and electromagnetic device. ● Is the unit on Clean Assist Mode? ⇒ The humidifying operation stops when the unit is on Clean Assist Mode and the Humidifying Indicator is off. ● When the unit is on Fully Auto Mode, or the fan speed is on “auto”, “sleep” or “pollen”, or the unit is on Full Power Spot/Shower mode, humidification will stop after reaching certain humidity and the indicator will turn off. ● Is the main unit slant? ⇒ Place it on a flat place.	23,24 24 — 14 12,14 —																			
The PCI indicator is off	● Is the front Monitor set at off? ⇒ Change the setting to “auto” or “dim”. ● Is PCI Generator set at “Off”? ⇒ Press fan speed button for over 3 seconds to set PCI Generator at “On”. ● Is PCI Generator Replace Indicator On? ⇒ Please replace the old PCI Generator with a new one.	17~20 15 31																			
PCI Generator Replacement Indicator is blinking.	● It is time to replace the PCI Generator. Please replace the old PCI Generator with a new one.	31																			

Problems		Please check		Please refer to
PM2.5 Sensor Indicator	Conditions when PM2.5 indicator is off	- There are big particles in the room but PM2.5 particles are in small amount. (Dust sensor indicator is in orange or blinking in red) - There were cigarette smoke or lit license. ⇒ The indicator will not lighten up immediately and it usually takes some time after PM2.5 accumulates.	9	9
	Conditions when PM2.5 indicator does not turn off	- When an oil-fired oven is used (smoke from burning). When cooking (cooking fumes) ⇒ When indoor air is polluted, open the windows for ventilation and use the humidifying air purifier. - 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) ⇒ As polluted air will enter the room, please close windows and control the ventilation and set fan speed as “medium” or “high” or set the unit at Full Power Spot Purify or Shower mode. (Sometimes it takes some time to clear PM2.5)	9	14
	Differs from weather forecast result of PM2.5	There are influences like traffic flow and the height of the room in the building, which leads to a different result of PM2.5.	—	—
Dust Sensor Indicator	Dust Sensor Indicator does not change/ Odor Sensor Indicator will not be on	- After a period of operation, the sensitivity becomes not stable or the indicator light color does not change. Then several minutes later, the sensitivity is stabilized. ⇒ If still not sensitive, adjust the sensitivity of High Sensitive Dust Sensor and Odor Sensor. - The indicator keeps being blue means the room air is clean. ⇒ Sometimes it is hard for the unit to sense the smell from certain places of the room, then pat a towel or blow a burning cigarette near the sensor to see if the color changes. if the color changes, it is normal. - If it is used in a room with a strong smell, the sensitivity of the indicator might be reduced. ⇒ Set the fan speed at “medium” and keep it running for several hours or 1 day. - When the sensitivity does not accord with the room situation. ⇒ Turn it off and reset the sensitivity of High Sensitive Dust Sensor and Odor sensor to “high” or “standard”.	17~20	— — — 17~20
	Cleanliness Dust sensor indicator will not turn to blue	- When the air is polluted, the light will flash between orange and red. - When the windows or doors are opened frequently, or when the impermeability of the room is not good, it will take some time for the light to change to blue.	9	—
	Dust Sensor Indicator and Odor Sensor Indicator are always in red	Is the sensor blocked by wastes? ⇒ Clean the sensor.	25	—
	The color of Dust Sensor Indicator/ PM2.5 Sensor Indicator /Odor Sensor Indicator keeps changing	- The closing and opening of the door might cause airflow and thus the switch of the light color. - Adjust the sensitivity of the sensor. ⇒ Stop operation and set the sensitivity of High Sensitive Dust Sensor and Odor Sensor at “low” or “standard”.	—	17~20

Troubleshooting (continue)

Problems		Please check	Please refer to
Light Control of Front Monitor	The Front Monitor turns dim or off	When the Light Control is set at "Auto", the Light Control Sensor will detect the luminance of the room and the monitor will switch between "Bright" and "Dim" accordingly. (When the fan speed is set on the mode of "sleep", the Monitor will switch between "Dim" and "Off".)	10,19
	The light of the Front Monitor changes frequently.	- The Light Control Sensor will detect the shadows of objects or people and thus change accordingly. - The sensitivity can be adjusted. ⇒ Turn off the machine and adjust the sensitivity of the brightness sensor.	10 17~20
	The light of the Front Monitor does not change according to the room luminance.	- When the unit is located right below the lighting equipment or located in the shadow, the Light Control Sensor will not be able to detect the real situation of the luminance of the room and the light of the Monitor will not be able to change accordingly. ⇒ Please relocate the unit. - The sensitivity of the sensor might not match the room condition. ⇒ Stop operation and adjust the sensitivity of the Light Control Sensor.	10 17~20
Temperature /Humidity Indicator	The indication of current temperature or current humidity differs from the result of other thermometers or hygrometers	- Temperature and humidity of different places of the room may differ. - The difference between this machine 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.) - Is it not showing the monitoring data you need? ⇒ Press temperature/humidity Button to switch to the data you need.	— — 15
Fall over	The main unit falls over (when it is humidifying or there is water in the tank)	If the main unit falls with water in tank or tray, turn off the power, pull out the plug and contact the retailers or SHARP franchised distributors for check.	
Others	Want to fix the main unit	Press down the caster locks (left and right) to fix the casters. Please make sure the two locks are locked at the same time. 	6,10
	Cold air from the outlet	- Switch the fan speed to "Mute". - Adjust the angle of the front louver manually.	12 14
	There are red, yellow or white substances adhered to water, humidifying filter and tray	Minerals and iron from the tap water may adhere, which is normal. ⇒ Please drain the water and clean the humidifying filter and the tray.	23,24
	The Tray Cannot be taken out	Lift the tray slightly and then pull it out.	24
	Not using it for a long time Not using the humidifying function	Dry every part after cleaning and maintaining dry thoroughly before installation, especially for humidifying filter and tray, to prevent the reproduction of mould and bacteria.	21~24

Problems		Please check	Please refer to
Error	Front Monitor shows E2	Are the Humidifying Filter, Tray and Wheel correctly installed? ⇒ Confirm the installation and try the operation again.	23,24
	Front Monitor shows E7	- Is the Pre-filter correctly installed? - Is the Dust Box correctly installed? - Is the Cleaning Brush of the Dust Box correctly installed?	29,30 27,28 27,28
	Front Monitor shows E9	Is PCI Generator correctly inserted? ⇒ Take out the PCI Generator and insert it again right to the bottom and operate it again.	26
	Front Monitor shows U3	The concentration of PCI reduces. ⇒ Please clean and maintain the PCI Generator (Electrode).	26
	Front Monitor shows U7	Is the Back Panel correctly installed?	11
	Front Monitor shows C1 C4 C6 C8	Unplug, wait for about one minute and plug the unit and try again. If the error indication appears repeatedly, contact the retailers or SHARP franchised distributors for repair.	—

Specification

Model	KI-AJ60-W					
Power supply	220V/50Hz					
Applicable floor area (m ²)	35					
Mode	Humidifying & Air cleaning			Air cleaning		
Fan speed	High	Medium	Low	High	Medium	Low
Air flow volume (m ³ /hr)	378	258	90	450	258	90
Power consumption (W)	55	28	7	80	26	7
Current (A)	0.5	0.22	0.1	0.62	0.23	0.1
Noise level (dB/A)	49	42	20	52	42	18
Humidification amount (ml/hr)	750					
Water tank capacity (L)	Approx. 4.0					
Dimensions (mm)	405 (W) × 666 (H) × 316 (D)					
Weight (kg)	Approx. 12					

Replacement of Consumables (buy parts additionally)

Category	Model
「HEPA filter」	FZ-GF60XH-HK
「Deodorizing filter」	FZ-G60DFE-HK
「Humidifying filter」	FZ-BB60XK-HK
「Ag+ cartridge」	FZ-GB01AG-HK
「PCI Generator」	IZ-C75SE

Caution: Life time of HEPA filter is about 5 years.

Life time of Deodorizing filter is about 5 years.

Life time of Humidifying filter is about 2 years.

Life time of Ag⁺ cartridge is about 1 year.

Determination for life time of HEPA filter and Deodorizing filter is based on the condition that 5 cigarettes are smoked per day, and the dust collection/deodorizing ability is reduced by half compared with that of the new filters, according to specification of the Japan Electrical Manufacturer's Association JEM 1467.

The replacement period depends on the unit operation hours and the place where it is located.

The filters and Ag+ 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.

Remarks

[illegible]