

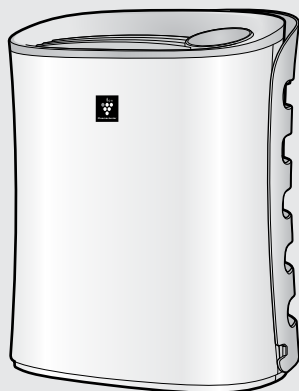
SHARP®

FP-GM30E FP-GM30L



High-Density 7000 *

"Plasmacluster" and "Device of a cluster of grapes" are trademarks of Sharp Corporation.



*The number in this technology mark indicates an approximate number of ions supplied into air of 1 cm³, which is measured around the center of a room with the "high-density plasmacluster 7000" applicable floor area (at 1.2 m height above the floor) at the medium wind volume in air purifying mode, when an air purifier using the high-density plasmacluster ion evolving device is placed close to a wall. This product is equipped with a device corresponding to this capacity.

Free standing type
Jenis berdiri sendiri
站立式

**AIR PURIFIER
WITH MOSQUITO CATCHER
OPERATION MANUAL**

ENGLISH

**PEMBERSIH UDARA
BUKU PANDUAN OPERASI**

MALAYSIA

空气净化器操作手册

中文

Please read before operating your new Air Purifier

The air purifier draws in room air from the air intake, passes the air through a pre-Filter, a HEPA Filter inside of the unit, then discharges the air through the air outlet. The HEPA Filter can remove 99.97% of dust particles as small as 0.3 microns that pass through the filter.

Some odours absorbed by the filter may break down over time, resulting in additional odour. Depending on the usage environment, especially when the product is used in extreme environments (significantly more severe than normal household use), this odour may become strong in a shorter period than expected. If the odour persists, the filter should be replaced.

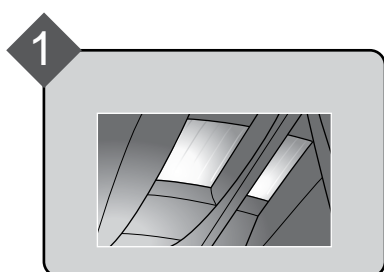
FEATURES

Air Purifier with Mosquito Catcher protects your family's health by catching mosquitoes and cleaning the air by plasmacluster technology.

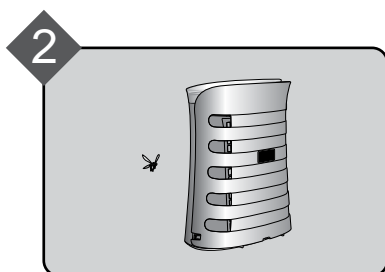
Catches mosquitoes with Insecticide-free material.

5 effective steps*¹ based on findings about mosquito habits, and by using air purifier function.

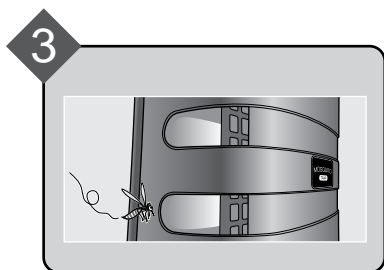
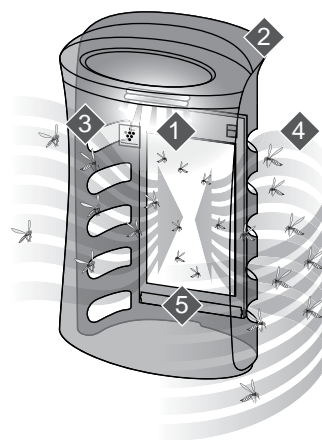
*¹ In collaboration with Institute for Medical Research, Malaysia



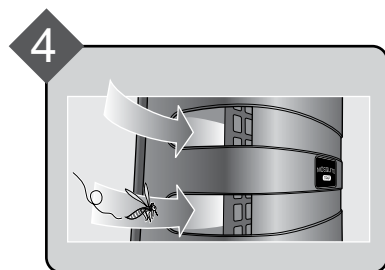
UV light attracts mosquitoes



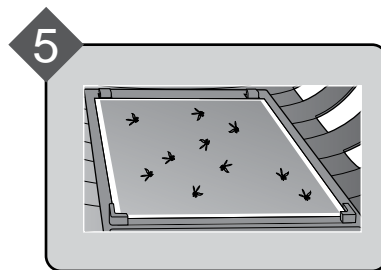
Enticing 'Black' color



Ideal entrance design



Powerful airflow and suction



Strong glue sheet

※ mosquito catcher mode may not catch all the mosquitoes in the room

High density Plasmacluster 7000

Plasmacluster treats the air similar to the way nature cleans the environment by emitting a balance of positive and negative ions.

Filtration System

Traps Dust*²

Pre-filter traps dust and other large airborne particles.

Reduces Pollen & Mold*²

HEPA filter traps 99.97% of particles as small as 0.3 microns.

*² When air is drawn through the filter system.

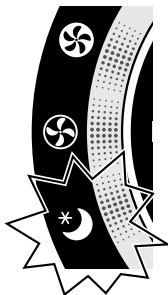
Convenient HAZE operation when the HAZE is present

HAZE mode enables fast removal of HAZE with high air volume.



Quiet operation while capture the mosquitoes at the time of sleep

When you switch to Sleep mode, it operates quietly with the Plasmacluster Ion and UV indicator light off and the UV light less bright, while mosquito catcher function is still on.



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Thank you for purchasing the SHARP Air Purifier. Please read this manual carefully. Before using this product, be sure to read the section: "Important Safety Instructions." After reading this manual, keep it in a convenient location for future reference. For your reference, we recommend to keep this manual in the place where you can read at any time.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of electrical shock, fire or injury to persons:

- Read all instructions before using the unit.
- Use only a 220-240 volt outlet.
- **Do not use the unit if the power cord or plug is damaged or the connection to the wall outlet is loosened.**
- Periodically remove dust from the power plug.
- **Do not insert fingers or foreign objects into the intake or air outlet.**
- **When removing the power plug, always hold the plug and never pull the cord.**
Electrical shock and/or fire from short circuit may occur as a result.
- Be careful not to damage the power cord, it may cause electric shock, excess heat or fires.
- **Do not remove the plug when your hands are wet.**
- **Do not use this unit near gas appliances or fireplaces.**
- **Remove the power plug from the wall outlet before cleaning the unit and when not using the unit.**
Electrical shock from bad insulation and/or fire from short circuit may occur as a result.
- **When cleaning the unit, or when the unit is not in use, be sure to unplug the unit.**
Electrical shock and/or fire from a short circuit may result.
- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp Approved Service Centre or similarly qualified person in order to avoid a hazard.**
- Do not operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air or in very high humidity conditions, such as a bathroom.
- Be cautious when cleaning the unit. Corrosive cleansers may damage the exterior.
- Only a Sharp Authorized Service Centre should service this air purifier. Contact the nearest Service Centre for any problems, adjustments, or repairs.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

NOTE - Radio or TV Interference

If this air purifier should cause interference to radio or television reception, try to correct the interference by one or more of the following measures:

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

CAUTIONS CONCERNING OPERATION

- Do not block the intake and/or air outlet.
- Do not use the unit near or on hot objects, such as stoves or heaters or where it may come into contact with steam.
- Do not lay the unit down when using.
- **Always hold the handle on the back of the unit when moving it.**
- Do not use without the filter inside the unit.
- **Do not wash and reuse the HEPA filter.**
Not only does it not improve filter performance, it may cause electric shock or malfunction.
- Do not look directly into the UV light. UV light meet the standards of IEC (62471).

CAUTIONS CONCERNING GLUE SHEET

- Handle the Glue Sheet with care. Avoid children or pet from touching the sticky surface.
- If the glue material adheres to hands or clothing, wash them quickly and carefully with soap and water after removing the material by using cooking oil.
- Dust and dirt collecting on the sheet may reduce the effectiveness of Glue Sheet.
- If no mosquitoes are collected on the sheet, try changing the location of this unit.
- When disposal, dispose it according to the local disposal laws and regulations.
- This is a completely safe adhesive type product. No toxic ingredients.

INSTALLATION GUIDELINES

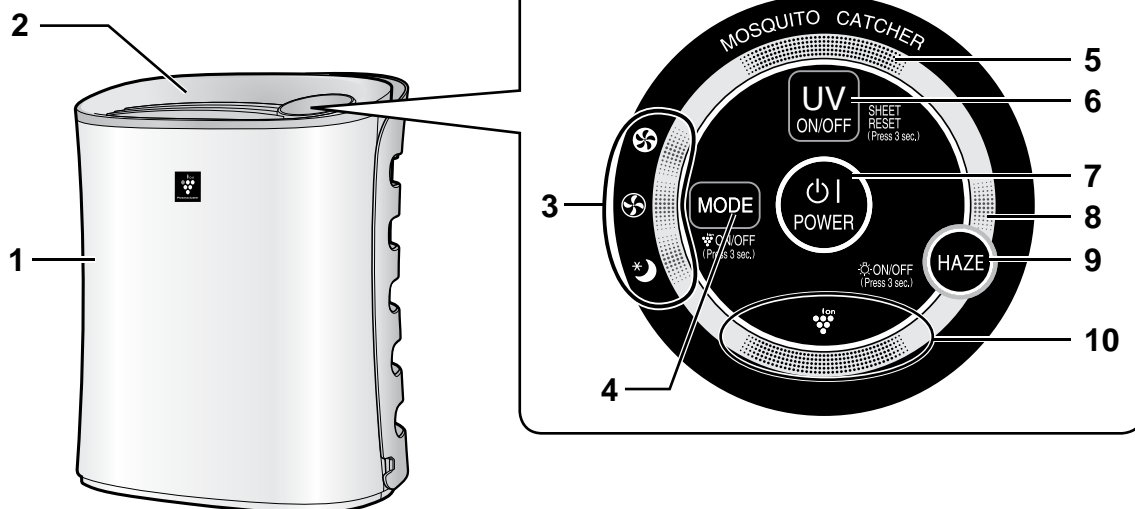
- When using the unit, place it away from equipment utilizing electric waves such as televisions or radios to avoid electrical interference.
- **Avoid use in locations where furniture, fabrics or other items may come in contact with and restrict the air intake and/or air outlet.**
- **Avoid use in locations where the unit is exposed to condensation or drastic temperature changes. Appropriate conditions are when room temperature is between 0 – 35 °C.**
- **Place on a stable surface with sufficient air circulation.**
When placing the unit on a heavily carpeted area, the unit may vibrate slightly.
- **Avoid locations where grease or oily smoke is generated.**
The unit surface may crack as a result.
- **Place the unit about 30 cm(1 ft) away from the wall in order to ensure proper airflow.**
The dust collecting performance will be the same even if using the unit 3cm away from the wall, but place it as far as possible(30cm away recommended) because it may dirty the wall or floor around.

FILTER GUIDELINES

- Follow the instructions in this manual for correct care and maintenance of the filter.

PART NAMES

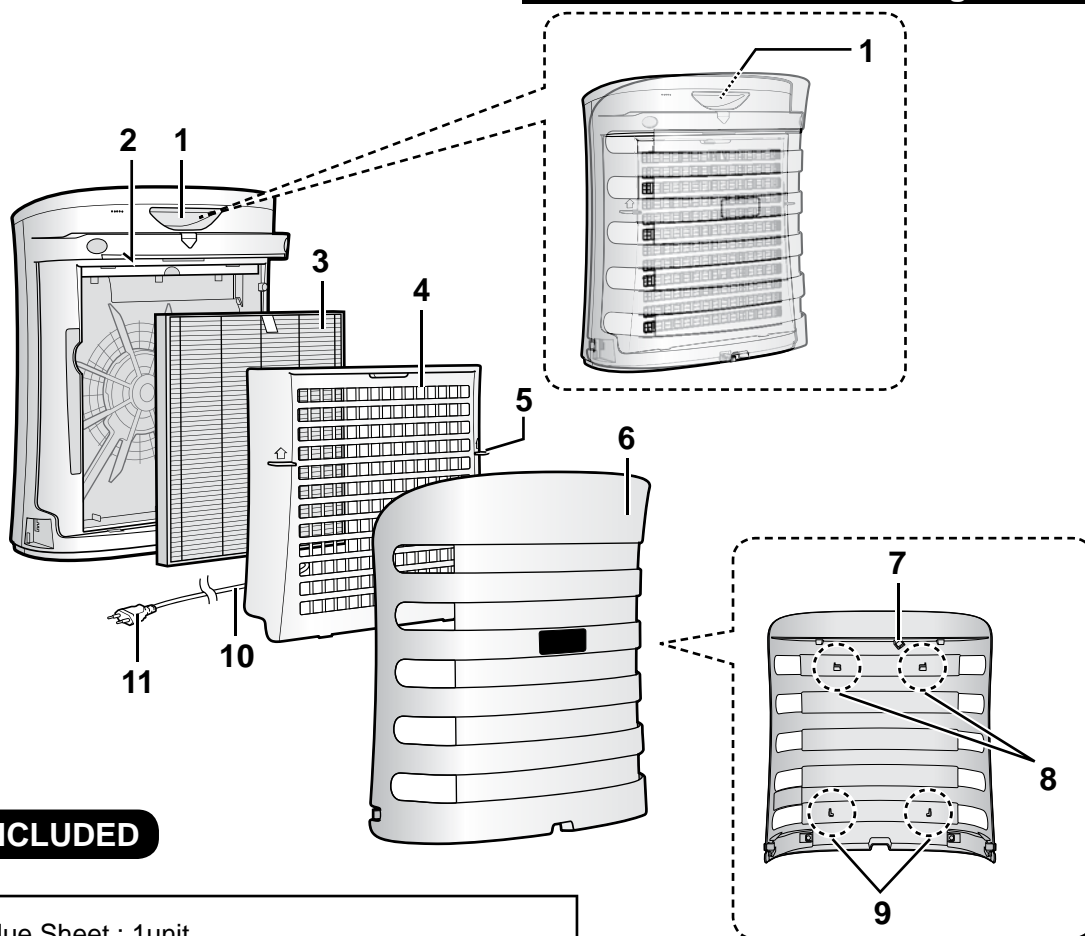
FRONT



1	Main Unit
2	Air Outlet
3	Fan Speed Indicator Lights (yellow-green)
4	MODE Button / Plasmacluster Ion ON/OFF Button (Press 3 sec.)
5	UV Indicator Light (blue)
6	UV LIGHT ON/OFF Button / SHEET RESET Button (Press 3 sec.)
7	POWER ON/OFF Button
8	HAZE indicator Light (yellow-green)
9	HAZE Button / LIGHT ON/OFF Button (Press 3 sec.)
10	Plasmacluster Ion Indicator Light (blue)

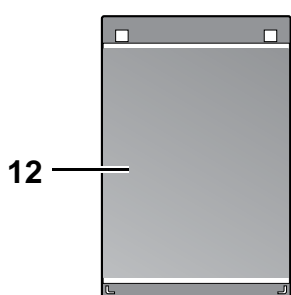
BACK

Hold this Handle when lifting the unit.



INCLUDED

- Glue Sheet : 1unit



- Glue Sheet
Operation Manual

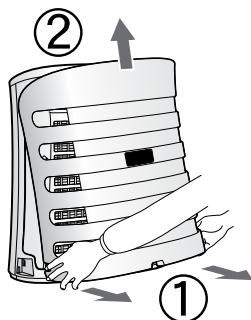
X 2 SETS

1	Handle	7	Magnet
2	UV Light	8	Upper Hook
3	HEPA Filter	9	Bottom Hook
4	Pre-Filter	10	Power Cord
5	Pre-Filter Tabs	11	Plug (Shape of plug depends on country.)
6	Catch panel	12	Glue Sheet

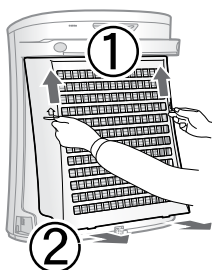
FILTER AND GLUE SHEET INSTALLATION

To maintain the quality of the filter and Glue Sheet, it is installed in the main unit and packed in plastic bag. Be sure to remove the filter and Glue Sheet from the plastic bag before using the unit.

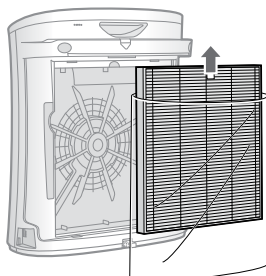
- 1 Remove the Catch Panel from underpart.



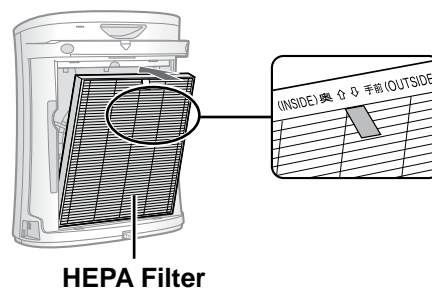
- 2 Hold the tabs of Pre-filter, lift it and remove it from its underpart.



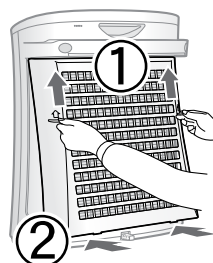
- 3 Remove the Filter from the plastic bag.



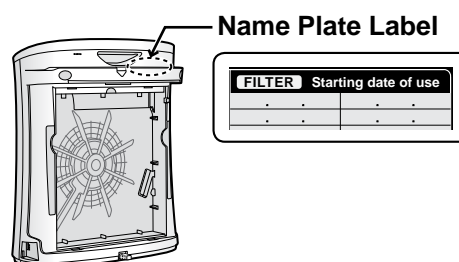
- 4 Hold upper part of HEPA Filter and set it.



- 5 Hold tab of Pre-Filter, and replace it from upper part.



- 6 Fill in the usage start date on the Name Plate Label. Use the date as a guide for the filter replacement schedule.

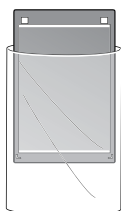




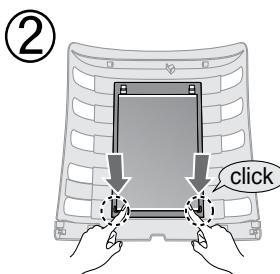
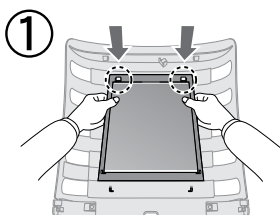
Be sure to remove the power plug from the wall outlet.

7 Remove the Glue Sheet from the plastic bag.

- Keep the additional Glue Sheet away from direct sunlight and lay it flat with glue side face up.



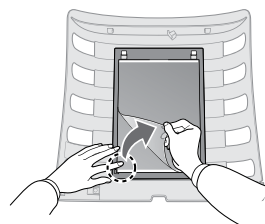
8 ① Hang the Glue Sheet on Upper Hook of the inner side of the Catch Panel. ② Insert it into bottom hook.



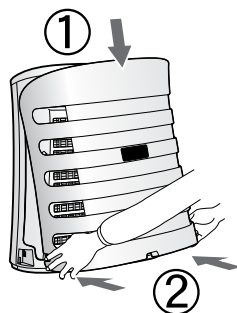
9 Remove protective film slowly from the corner of Glue Sheet.

- Dispose protective film as burnable rubbish.
- Make sure that its bottom part is properly inserted to the Bottom hook.

Be careful so that Glue Sheet doesn't stick to hair and clothes.



10 Attach Catch Panel from upper part.



OPERATION

CLEAN AIR

START



STOP



- Select the desired fan speed.
- Unless the power cord has been unplugged, the operation starts in the previous mode it was operated in.

HAZE

When you want to remove HAZE quickly.

START



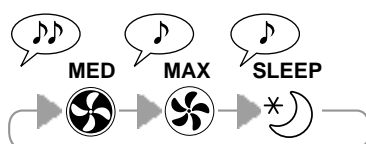
10 minutes:	Max High fan speed
50 minutes:	High fan speed
20 minutes:	Low fan speed
20 minutes:	High fan speed

NOTE

- The unit operates at HIGH fan speed for 60 minutes and then alternates between Low and High fan speed for 20 minutes each.
- Can use Haze mode while using mosquito catcher mode.
- When you want to quit the HAZE operation, stop by POWER ON/OFF button or switch to your favorite mode of operation with the MODE button

FAN SPEED

MODE



NOTE

SLEEP *)

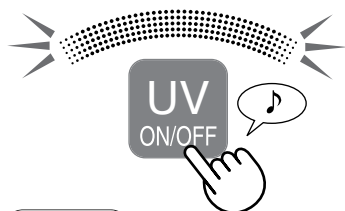
- The unit will operate very quietly with low fan speed. Plasmacluster Ion Indicator and UV Indicator goes off automatically. Even though the indicator is off, Plasmacluster Ion is dispersed into air unless Plasmacluster Ion is turned off by



MOSQUITO CATCHER

Use this function when there is concern about mosquitoes.

UV Light ON



UV Light OFF



NOTE

- When UV Indicator Light is flashing, mosquito catcher function is not activatable. Please replace the Glue Sheet with a new one.
- Select Max mode to catch mosquito more effectively. The higher the air volume is, the easier it is to capture a mosquito.
- If Catch Panel comes off, UV Indicator Light is turned off automatically. Please check the Catch Panel is properly attached.
- We recommend you to keep this air purifier working for 24 hours to maximize its function except for exchanging filter and Glue Sheet.

Light Control

When the indicator is bright.

ON

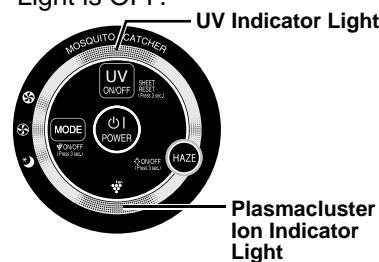


OFF



NOTE

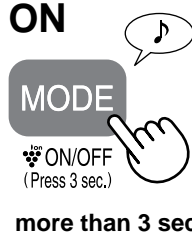
- UV Indicator Light and Plasmacluster Ion Indicator Light is OFF.



Plasmacluster Ion ON/OFF

When Plasmacluster Ion is ON, the Plasmacluster Ion Indicator Light will turn on. (blue)
(In operation)

ON



OFF



CARE AND MAINTENANCE

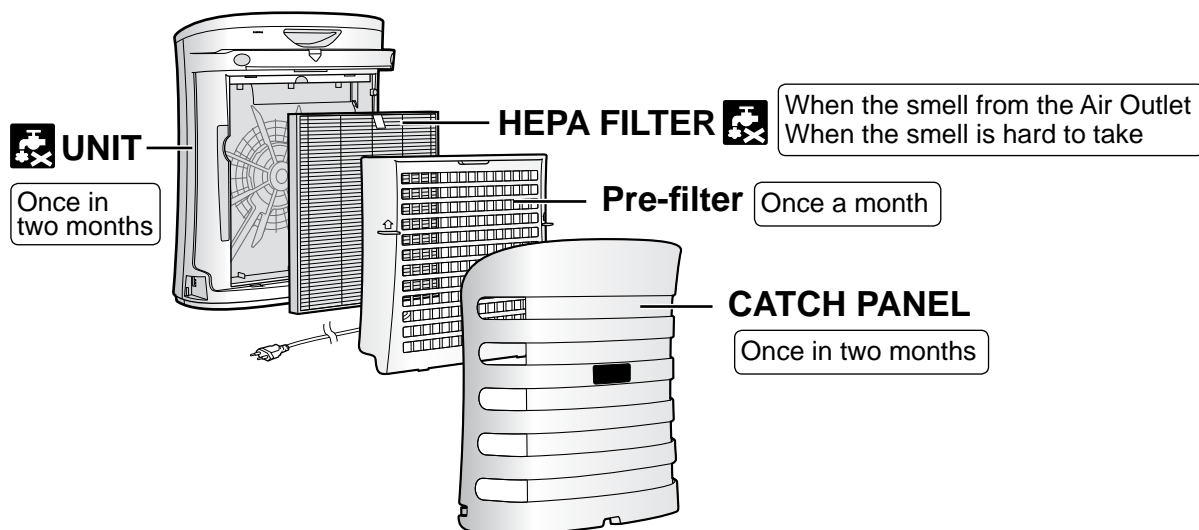


To maintain optimum performance of this air purifier, please clean the unit including the filter periodically.

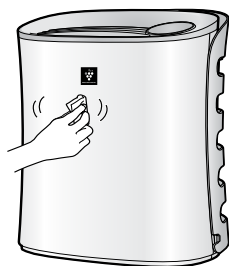
Be sure to disconnect the power cord from the wall outlet before performing any maintenance.



Do not WASH



UNIT



Wipe with a dry, soft cloth

For stubborn stains or dirt, use a soft cloth **dampened with warm water**.

CAUTION

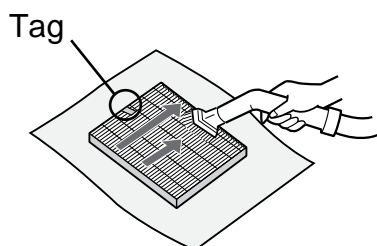
•Do not use volatile fluids

Benzene, paint thinner, polishing powder, etc., may damage the surface.

•Do not use detergents

Detergent ingredients may damage the unit.

HEPA FILTER



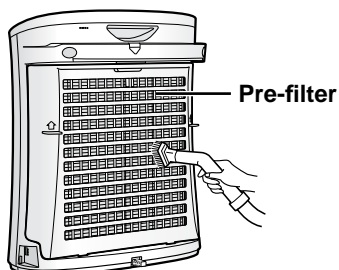
Gently remove dust from HEPA FILTER with a vacuum cleaner attachment or similar tool.

CAUTION

- Do not WASH in water and DRY in the sun.
 - Apply the maintenance only on the side with the tag. Do not clean the opposite side; otherwise, the filter will be damaged.
- The filter is fragile, be careful not to apply too much pressure.

Be sure to remove the power plug from the wall outlet.

Pre-filter

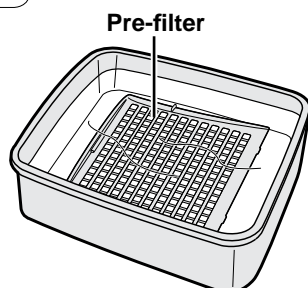


Gently remove dust from the back panel, using a vacuum cleaner attachment or similar tool.

CAUTION

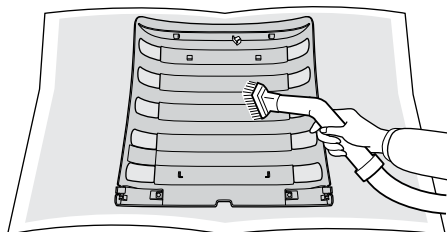
Do not apply excessive pressure, when scrubbing the pre-filter.

NOTE How to clean hard to remove dirt



1. Add a small amount of kitchen detergent to water and soak for about 10 minutes.
2. Rinse off the kitchen detergent with clean water.
3. Completely dry the filter in a well-ventilated area.

CATCH PANEL



Remove the Glue Sheet, Gently remove dust from the Catch Panel, using a vacuum cleaner attachment or similar tool.

CAUTION

Do not apply excessive pressure, when scrubbing the catch panel.

REPLACEMENT GUIDELINES



HEPA FILTER

Replacement timing

About 2 years after operating

Model : FZ-F30HFE

Replace the Filter according to the instructions provided with the replacement filter.

Do not wash and reuse the filter

The filter life and replacement period are based on the condition of smoking 5 cigarettes per day and the dust collection power is reduced by half compared with that of new filter.

Filter life varies depending on the room environment, usage, and location of the unit.

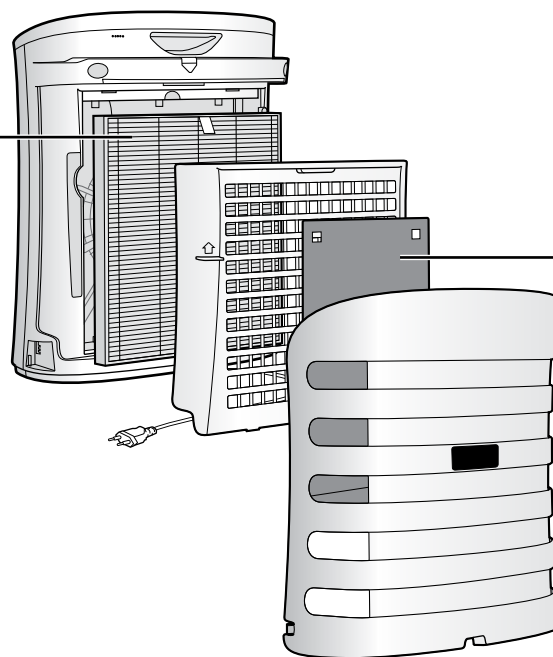
We recommend to replace the filter more frequently if the product is used in a condition significantly severer than normal household use.

- Please consult your dealer for purchase of replacement filter.
- Use only filter designed for this product.

Disposal of Filter

Please dispose of the replaced filter according to the local disposal laws and regulations.

- Filter : Polypropylene
- Frame : Polyester



Be sure to remove the power plug from the wall outlet.

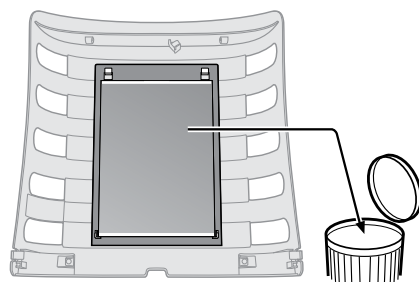
Glue Sheet

Replacement timing When UV Indicator light is flashing.

Model : FZ-ST52M

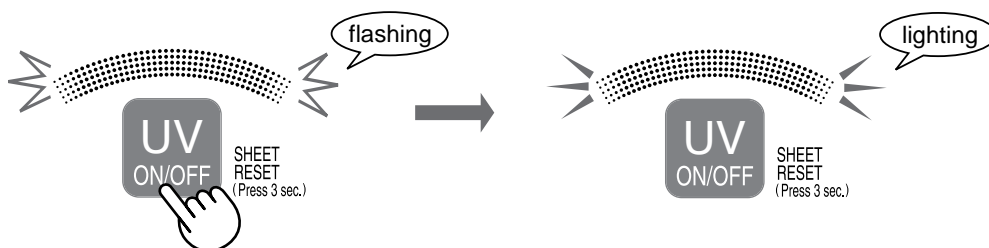
Replace the Glue sheet according to the operation manual included in the replacement glue sheet.

Please discard the used glue sheet carefully.



Do not touch the adhesive surface.

After the exchange, insert a plug in socket and press the POWER button, and UV LIGHT ON/OFF button 3 seconds.



UV Indicator Light will flash approx.2 month (24 hours x 60 days) later when you insert a plug in socket.

The replacement timing is about 2 months, but it may be early depending on the room environment.

Check the glue sheet sometimes.

- Please consult your dealer for purchase of replacement Glue Sheet.
- Use only Glue Sheet designed for this product.

Disposal of Glue Sheet

Please dispose of the replaced Glue Sheet according to the local disposal laws and regulations.

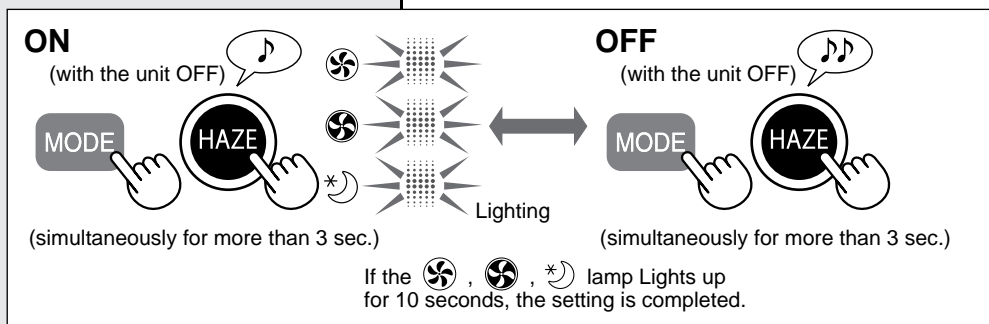
Glue Sheet materials :

- Glue:Acrylic copolymer
- Film:paper
- Base Sheet:Polycarbonate

TROUBLESHOOTING

Before calling for service, please review the Troubleshooting chart below, since the problem may not be a unit malfunction.

SYMPTOM	REMEDY (not a malfunction)
A clicking or ticking sound is heard from the unit.	<ul style="list-style-type: none"> Clicking or ticking sounds may be audible when the unit is generating ions.
The discharged air has an odour.	<ul style="list-style-type: none"> Check to see if the filters are heavily soiled. Clean or replace the filters. Plasmacluster Air Purifiers emit small traces of ozone which may produce an odour.
UV Indicator Light is turned off.	<ul style="list-style-type: none"> This Light is the indicator of the UV Light at the back. If Catch Panel comes off or is not properly set, UV Light is automatically turned off by Magnet Sensor. Please confirm whether catch panel is properly attached.
UV Indicator Light, and Fan Speed Indicator Light are flashing. (but Fan Speed Indicator Light lights while operating.)	<ul style="list-style-type: none"> UV Light has failed. Please call the service center approved by Sharp.
UV Indicator Light is flashing	<ul style="list-style-type: none"> It's replacement timing of glue sheet. Please exchange to new glue sheet. Then, press the UV Light ON/OFF button 3 sec.
No mosquitoes are collected on the Glue Sheet.	<ul style="list-style-type: none"> Aren't windows or doors opened? Don't you set up in the place where the wind blows such as air-conditioner or fan? ⇒ Try to relocate the unit.
When the adhesive remains on clothes, skin, floor, etc.	<ul style="list-style-type: none"> Wipe with cooking oil, then wash with soap and water.
AUTO RESTART After a power failure, automatically resume the operation when the power recovers.	<p>Auto Restart can be set.</p> <ul style="list-style-type: none"> Even when the plug is unplugged or the breaker is thrown during the operation, the operation resumes at the previous operation mode and settings if the power recovers.



SPECIFICATIONS

ENGLISH

Power supply		220-240V 50-60Hz		
Fan Speed Operation	Fan Speed Adjustment	MAX	MED	SLEEP
	Rated Power	53W	32W	18W
	Fan Speed	180m ³ /hour	120m ³ /hour	78m ³ /hour
Recommended Room Size		~21m ² *1		
High density Plasmacluster ion recommended room size		~16m ² *2		
Cord Length		2.0m		
Dimensions		409mm(W)x259mm(D)x466mm(H)		
Weight		5.0kg		

- *1 Size of a room which is appropriate for operating the unit at maximum fan speed.
- It indicates the space where a certain amount of dust particles can be removed in 30 minutes(JEM1467).
- *2 Size of a room in which approximately 7000 ions can be measured per cubic centimeter in the center of the room (at a height of approximately 1.2 meters from the floor) when the product is placed next to a wall and run at the MED operation position.

Standby Power

In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 1.0W of standby power.
For energy saving, unplug the power cord when the unit is not in use.

SHARP
SHARP CORPORATION
OSAKA, JAPAN

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