ENGLISH



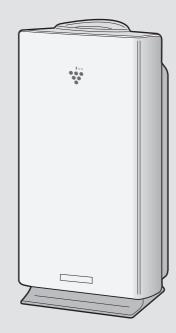
AIR PURIFIER FREE STANDING

OPERATION MANUAL



High-Density 7000

FU-W40A



Plasmacluster is a trademark of **Sharp Corporation.**

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Thank you for purchasing the SHARP Air Purifier. Please read this manual carefully for the correct usage information. Before using this product, be sure to read the section: "Important Safety Instructions." After reading this manual, retain it in a convenient location for future reference.

IMPORTANT SAFETY INSTRUCTIONS

If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp Authorized Service Centre or similar qualified person in order to avoid hazard.

When using electrical appliances, <u>basic safety precautions</u> should be followed, including the following:

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

- · Read all instructions before using the air purifier.
- Use only a 220 volt outlet with a polarized receptacle.
- Do not use the air purifier 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 air inlet or air outlet.
- When removing the power plug, always hold the plug and never pull on the cord.

Electric shock and/or fire from short circuit may occur.

- Do not remove the plug when your hands are wet.
- Do not use this air purifier near gas appliances or fireplaces.
- Remove the power plug from the wall outlet before cleaning the unit and when not using the unit.

Electric shock from bad insulation and/or fire from short circuit may occur.

- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp Authorized Service Centre or similar qualified person in order to avoid 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 condition, such as a bathroom.
- Be cautious when cleaning the air purifier. Strong corrosive cleansers may damage the exterior.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Only Sharp Authorized Service Centre should service this air purifier. Contact the nearest Service Centre for any problems, adjustments, or repairs.

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 distance between the air purifier and radio/TV 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 air inlet and 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 at the back of the unit when moving it.
 Holding the front panel when carrying may cause it to detach, thus dropping the unit and resulting in injury.
- Do not operate the unit without the filters.
- Do not wash and reuse HEPA filter and De-formaldehyde Filter.

It not only does not improve filter performance, it may cause electric shock or malfunction.

· Clean the exterior with a soft cloth only.

Otherwise, the unit surface may be damaged or cracked.

In addition, the sensors may malfunction as a result.

INSTALLATION GUIDELINES

- During the operation of the product, please place the unit at least 2m away from equipments which involve electric wave such as televisions, radios or wave clocks, in case electrical interference occurs to such equipment.
- Avoid a location where the sensor is exposed to direct wind.

 The unit may not encert a preparty.

The unit may not operate properly.

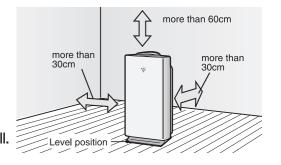
- Avoid locations where curtains, etc., come into contact with the air inlet or air outlet. Curtains, etc., may become dirty or a malfunction may occur.
- Avoid locations where the unit is exposed to condensation, due to drastic temperature changes. Use under appropriate conditions between 0°C and 35°C in the room.
- Place on a stable surface with sufficient air circulation.

When placing the unit on a heavily carpeted area, it may cause the unit to vibrate slightly.

- Do not install when there is generation of lampblack, such as in a kitchen, etc. The unit surface may crack or the sensor may malfunction as a result.
- Leave space from the wall.

The place for the purifier should have room for air flow. The purifier should be in the place where air flows freely for the optimum effect. In addition, it ensures ions full of every corner in the room.

The wall behind the air outlet may become dirty as time passes. When using the unit for extended period of time in the same location, use a vinyl sheet, etc., to prevent the wall from becoming dirty. In addition, periodically clean the wall.



FILTER GUIDELINES

sound, the Indicator will be off.

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

E-3

• [RESET | Filter Reset Indicator Light | Filter Reset Indicator Light

When Filter Reset Indicator Light on

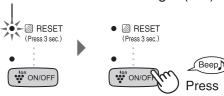
Please clean the Odor Sensor and Washable
Active Carbon Filter.

If the unit is on the operation for
1 month (at working 24 hours a day),
the Indicator will be on.

After you finished maintenance work, please plug on,
and press the reset button for 3 seconds with a Beep

Even the Indicator is not on, please press the button after maintenance work.

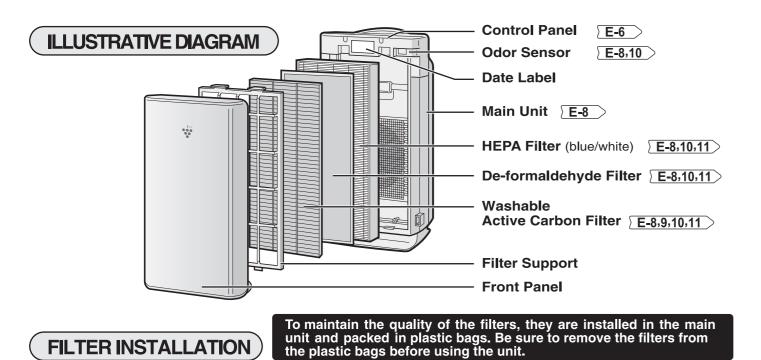
Filter Reset Indicator Light (red)

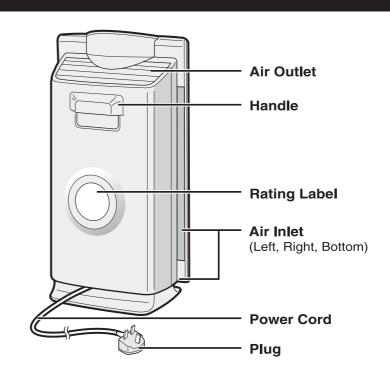


E-2

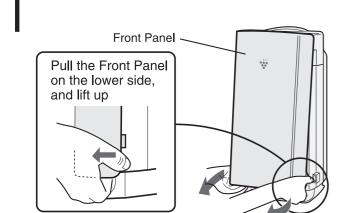
If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp Authorized Service Centre or similar qualified person in order to avoid hazard.

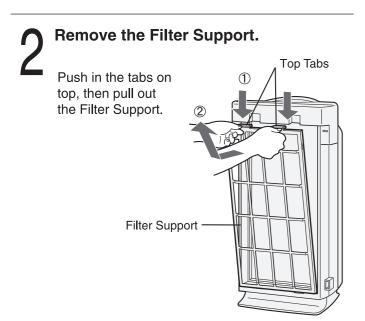




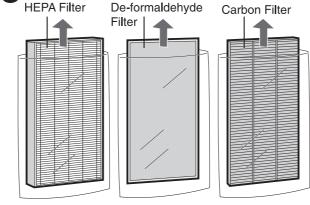


FILTER INSTALLATION Remove the Front Panel.



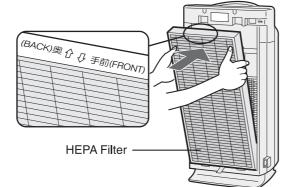




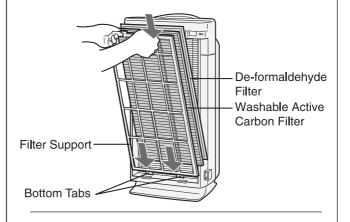


Place the HEPA Filter into the main unit.

The HEPA filter should be installed with the tabs and blue surface facing towards you. Installing the filter backwards will affect the performance of the unit.



Install the Filter Support by pushing the tabs at the bottom, place the De-formaldehyde Filter and Washable Active Carbon Filter in the front of **HEPA** filters as indicated below:

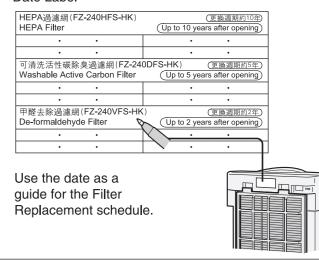


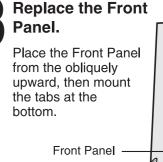
(left and right) to lock in place.

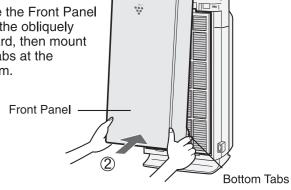
Gently push in the Top Tabs.



Date Label

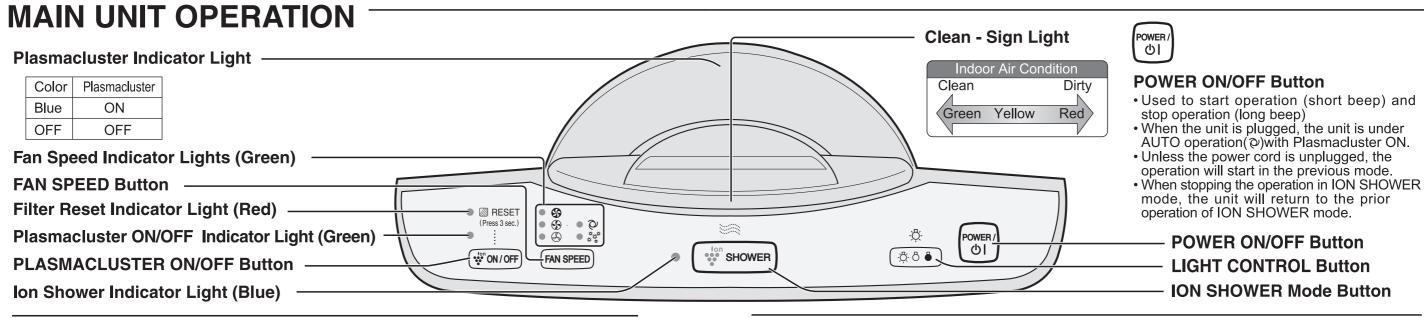


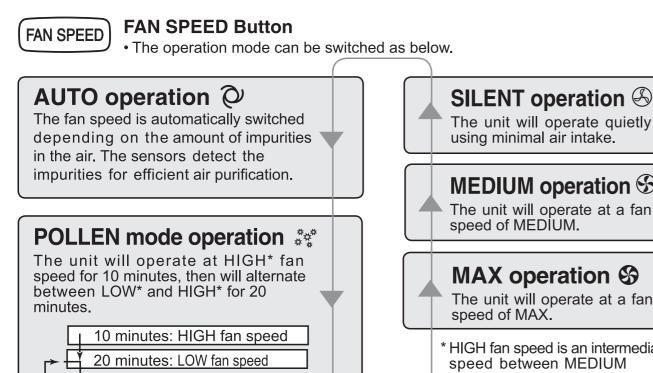




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E-4





The unit will operate quietly using minimal air intake.

MEDIUM operation &

The unit will operate at a fan

MAX operation §

The unit will operate at a fan

- * HIGH fan speed is an intermediate speed between MEDIUM and MAX.
- *LOW fan speed is an intermediate speed between SILENT and MEDIUM.



ION SHOWER Mode Button

20 minutes: HIGH fan speed

When pressing the ION SHOWER Mode button, the ION SHOWER operation will be activated and the ION SHOWER Indicator will turn on. (Direct start is available even when the unit is not turned on.) By continuously discharging Plasmacluster Ion in HIGH fan speed for 15 minutes, the unit effectively removes airborne dust, pollen, mold and allergens from the air as they are drawn through the filter system.

•When the operation finishes, the unit will return to the prior operation.



PLASMACLUSTER ON/OFF Button

Press the PLASMACLUSTER ON/OFF Button to turn Plasmacluster Ion Mode ON and OFF.

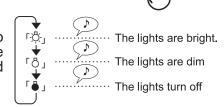
When Plasmacluster is ON, the Plasmacluster ON/OFF Indicator Light turns on and Plasmacluster Ion will be released.



LIGHT CONTROL Button

Press this button when the Plasmacluster **Indicator Light and Clean-Sign Light** are too bright.

Refer to the diagram on the right to select the desired brightness of the Plasmacluster Indicator Light and Clean-Sign Light.



CAUTION

The lights are always set at "bright" condition when starting.

ADJUSTMENT OF SENSOR DETECTION SENSITIVITY

Set to "low" if Clean-Sign Light is constantly red or yellow to reduce sensitivity, and set to "high" if Clean-Sign Light is constantly green to increase sensitivity.

- With the unit OFF, press the FAN SPEED Button for 3 seconds. The Fan Speed Indicator Lights will display the currently set sensor sensitivity level. The factory setting is Standard, indicated by the MEDIUM light,
- Sensor Detection Press the FAN SPEED Button to set Fan Speed the desired sensor sensitivity.

Refer to the diagram on the right to select the desired sensor sensitivity level.

Indicator Light		Sensitivity	
♦ ♦ ♦		,	andard

Press the POWER ON/OFF Button.

Note that if the POWER ON/OFF Button is not pressed within 8 seconds after adjusting sensor sensitivity, the setting will be saved automatically. The sensor sensitivity setting will be saved even if the unit is unplugged.

CARE AND MAINTENANCE

When cleaning the unit, be sure to unplug the power cord, and never handle the plug with wet hands. Electric shock and/or bodily injury may occur as a result.

MANUNT Care Cycle 2 months

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

CAUTION

- Keep the unit away from water.
- Do not use volatile fluids Benzene, paint thinner, polishing powder, etc., may damage the surface.



Remove the Front Panel. Refer to page **E-4**

Remove dust from the surface of the Washable Active Carbon Filter.



Vacuum Cleaner Washable Active Carbon Filter

ODOR SENSOR Care Cycle 2 months

Remove the Front

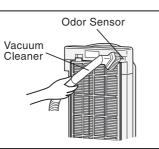
Refer to page **E-4**

Panel.

• Remove dust from the surface of the sensor. Cleane

Fix the Front Panel to the main unit.

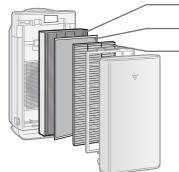
Refer to page **E-5**



FILTER REPLACEMENT **GUIDELINES**

When replacing filter, be sure to unplug the power cord, and never handle the plug with wet hands. Electric shock and or bodily injury may occur as a result.

HEPA Filter • De-formaldehyde Filter Replacement



HEPA Filter FZ-240HFS-HK De-formaldehyde Filter FZ-240VFS-HK

Washable Active Carbon Filter

FZ-240DFS-HK

Guide for HEPA Filter replacement timing up to 10 years* after opening

Guide for De-formaldehyde Filter replacement timing

up to 2 years after opening

HEPA Filter and De-formaldehyde Filter are not washable. Please replace it periodically

 Washable Active Carbon Filter can be used again after washed. replace it when it is damaged.

• HEPA Filter · · · · Polypropylene • Polyester

• De-formaldehyde Filter · · · · 60% Polypropylene • 40% Polyester

• Washable Active Carbon Filter · · · · Polyester, Rayon, Activated charcoal

CAUTION

- For not dirtying the surroundings, please put newspaper under the purifier when replacing filters.
- Please replace it according to Page E-4&E-5.
- Fill in the usage start date of the filters on the Date Label.
- When you discard filters you should obey the rubbish classification rules in your residence place.
- •HEPA Filter, De-formaldehyde Filter and Washable Active Carbon Filter are consumables, you need to purchase them though in the free warranty period.

Determination for life time of HEPA filter:

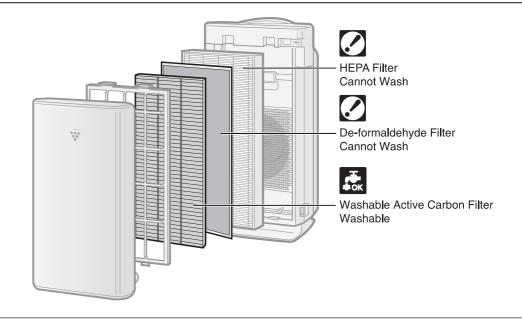
Filter life and replacement period is based on the condition of smoking 5 cigarettes per day, reducing the dust collection /deodorization power to half compared with that of new filters, but according to Specification of The Japan Electrical Manufacturer's Association JEM1467 if based on the condition of smoking 10 cigarettes per day, the replacement period is about 5 years. The replacement period differs depending on the operation hours and location of installation.

WASHABLE ACTIVE CARBON FILTER CARE

HAND WASH ONLY! DO NOT TUMBLE DRY!

Guide for Washable Active Carbon Filter replacement timing

Up to 5 years after opening



Rinse dirt from the WASHABLE ACTIVE CARBON FILTER under lukewarm water.

Remove dust on the Washable Active Carbon Filter before washing.

CAUTION

- When washing the filter for the first time, the rinse water may be brown. This does not affect deodorization performance.
- Avoid bending or folding the filter when washing.
- Drip dry filter to remove excess water. Dry filter completely in a well ventilated area. If possible, dry outdoors.

Dry filter in a sideways position to avoid warping of the filter. The filter takes about 6 hours to dry out.

(It varies with weather and environment)

CAUTION

- · Avoid drying filter outdoors during inclement weather (e.g. rain or cold temperature).
- Do not allow filter to freeze.
- If filter is dried indoors, take precautions, such as placing towels etc under the filter to prevent water from damaging the floor.

Reinstall the filter in unit. E-5,8

Dry filter completely before reinstalling to prevent odors. Do not operate unit without all filters properly installed.

Difficult to remove smell

Please wash it after being dipped in the Wulong tea for 10 minutes. Then dry it and reinstall it in the unit.

The tannic acid and aroma of Wulong tea can strengthen the deodorization effect.

E-8

F-9

TROUBLESHOOTING

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

	SYMPTOM	REMEDY			
CLEAN-S-GN L-GHF • OF	The Clean-Sign Light is always green	 The air could be impure at the time the unit was plugged in,so the sensitivity of the sensor become low at that time,you can try the following measures to adjust it to normal mode % The initial condition of the air will be the comparable base for sensor. The Clean-Sign Light will be green. Operate the unit under the Max or Medium fan speed for several hours or one day. Pull out the plug,if air exchange enough then plug in again. Flowing the cigarette smoke to the sensor,it is normal that the color of the light changes. In the place where air detection is difficult Please move the purifier. Odor sensor is covered,or it is difficult to detect impurities in the air Please clean the odor sensor. E-8 Please adjust the sensitivity. 			
DOR SENSOR	The Clean-Sign Light always not change to green	 Due to the room's door and window is always open, the dirty air come from outside. It takes longer time to clean the air Odor sensors are contaminated Please clean the sensor			
	The Clean-Sign Light changes quickly	• Due to the room's door closing and opening, the air flow and temprature changes quickly			
	Which substance can be detected?	Substances can be detected Odor from cigarette, candle, cosmetic, alcohol, spray, etc.			
FILTER	Which substances the filter can remove?	Substances can be removed by the filter Washable Active Carbon Filter Pollen, airborne allergen (airborne dust mite particles) Smell of cigarette (odor) Odor in washroom Odor of garbage Odor of pet Substances cannot be removed by the filter HEPA filter Alair of pet Substances cannot be removed by the filter Hazard gas elements (carbon monoxide in cigarette smoke, etc.) The element cause odors frequently If it is used in the environment of cense and barbecue that produce strong smell, the filter may have smell in several weeks or several months. Please wash the Washable Active Carbon Filter at that time. If odor is hard to remove, please replace the HEPA filter or De-formaldehyde Filter. Filter life extension. Please do not operate the machine in place with large difference in temperature. Please use it in room temperature range of 0~35°C. Compare with removing dust, it costs more time to remove odor.			
s o	A clicking or ticking sound is heard from the unit.	● Clicking or ticking sounds may be audible when the unit is generating ions.			
U N D	Different clicking sound is heard from the unit	 The sound "click" from generating Plasmacluster ions varies with environment and modes. Sometimes you cannot hear it, but the effect is the same. 			

	SYMPTOM	REMEDY
	Odors & smoke difficult to remove	Check whether the filters are packed in the bag Please get it out according to the chapter of "Filter Installation" E-4
0 D 0 R	The discharged air has an aroma or odor.	 Check to see if the filters are heavily soiled. E-8,9 Clean or replace the filters. If under the strong odors from cigarettes and roasted meat, the filter can cause odors in several weeks or months, so you should replace filters or ventilate the room frequently. Washable Active Carbon Filter is awfully dirtied. Please wash or replace the filter. HEPA Filter or De-formaldehyde Filter is awfully dirtied. Please replace the filter. Plasmacluster Air Purifiers emit small traces of ozone which may produce an odor. These ozone emissions are well within safety levels.
OTHERS	The "SILENT" Fan Speed Indicator Light blinks.	 Fan motor is disconnected or abnormal. Operation stops. Pressing the POWER ON/OFF button will reset the error display, but if error occurs again, contact SHARP Service Centre.

SPECIFICATIONS

Model	FU-W40A(W/R/B)*		
Power Supply	220V~50Hz		
Applicable Floor Area(m ²)	31		
Fan Speed Mode	MAX	MEDIUM	SILENT
Air Flow Volumn(m ³ /hour)	240	156	30
Rated Power(W)	38	13	3.3
Noise Level(dBA)	51	40	14
Dimensions(mm)	314(W)X207(D)X620(H)		
Weight(kg)	~6.0		
Cord Lenght(m)	2.0		

^{*} W-White R-Red B-Black

Filter

	Model
HEPA Filter	FZ-240HFS-HK
De-formaldehyde Filter	FZ-240VFS-HK
Washable Active Carbon Filter	FZ-240DFS-HK

Attention:

The life time of HEPA Filter is about 10 years.

The life time of Washable Active Carbon Filter is about 5 years.

The life of De-formaldehyde Filter is about 2 years.

Determination for life time of HEPA Filter:

Filter life and replacement period is based on the condition of smoking 5 cigarettes per day, reducing the dust collection /deodorization power to half compared with that of new filters, but according to Specification of The Japan Electrical Manufacturer's Association JEM1467 if based on the condition of smoking 10 cigarettes per day, the replacement period is about 5 years. The replacement period differs depending on the operation hours and location of installation. Please contact SHARP Authorized Service Centre for details.

E-10