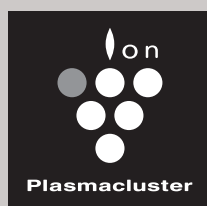


# SHARP®

## FP-G50J

### AIR PURIFIER OPERATION MANUAL



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 cm<sup>3</sup>, 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**

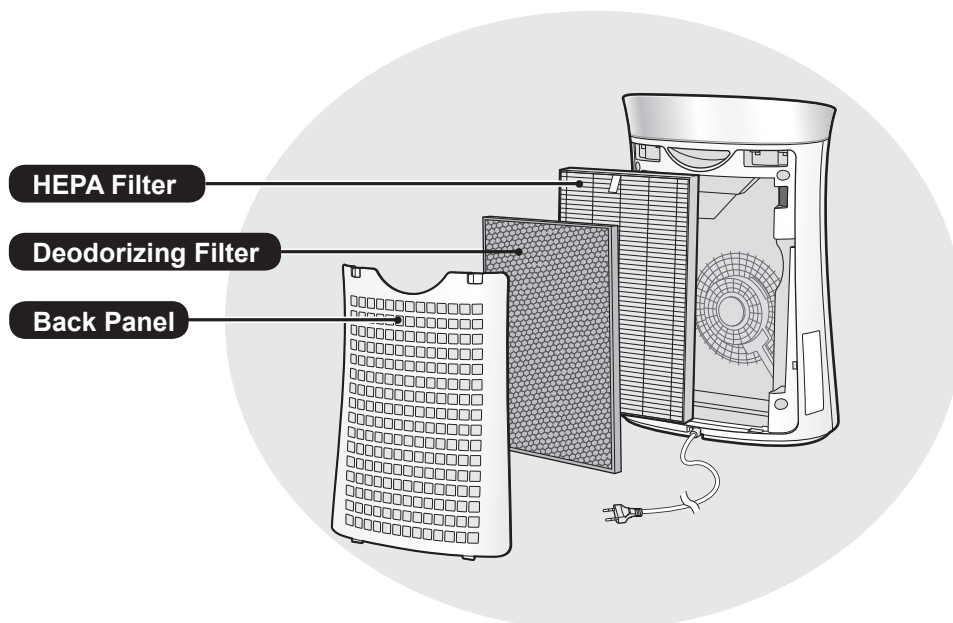
## Please read before operating your new Air Purifier

The air purifier draws in room air from the air intake, passes the air through a Back Panel, a Deodorizing Filter and 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 and also helps absorb odors. The Deodorizing Filter gradually absorbs odors as they pass through the filter.

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

### NOTE

- The air purifier is designed to remove air-suspended dust and odor, but not harmful gases (for example, carbon monoxide contained in cigarette smoke). If the source of the odor still exists, the air purifier may not completely remove the odor.



# ENGLISH

## FEATURES

**Unique Combination of Air Treatment Technologies**  
**Triple Filtration System + Plasmacluster**

**TRAPS DUST\***

Pre-filter traps dust and other large airborne particles.

**DECREASES ODORS**

Deodorizing filter absorbs many common household odors.

**REDUCES POLLEN & MOLD\***

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

**FRESHENS**

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

\*When air is drawn through the filter system.

Sensor Technology continuously monitors air quality, and automatically adjusting operation based on detected air purity.

## CONTENTS

**IMPORTANT SAFETY INSTRUCTIONS** ..... E-2

**PART NAMES**..... E-4

**FILTER INSTALLATION** ..... E-5

**OPERATION** ..... E-6

**CARE AND MAINTENANCE** ..... E-8

**TROUBLESHOOTING** ..... E-10

**SPECIFICATIONS**..... E-11

**FOR CUSTOMER ASSISTANCE** ..... E-12

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 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 filters inside the unit.
- **Do not wash and reuse the HEPA filter and the deodorizing filter.**  
Not only does it not improve filter performance, it may cause electric shock or malfunction.

## INSTALLATION GUIDELINES

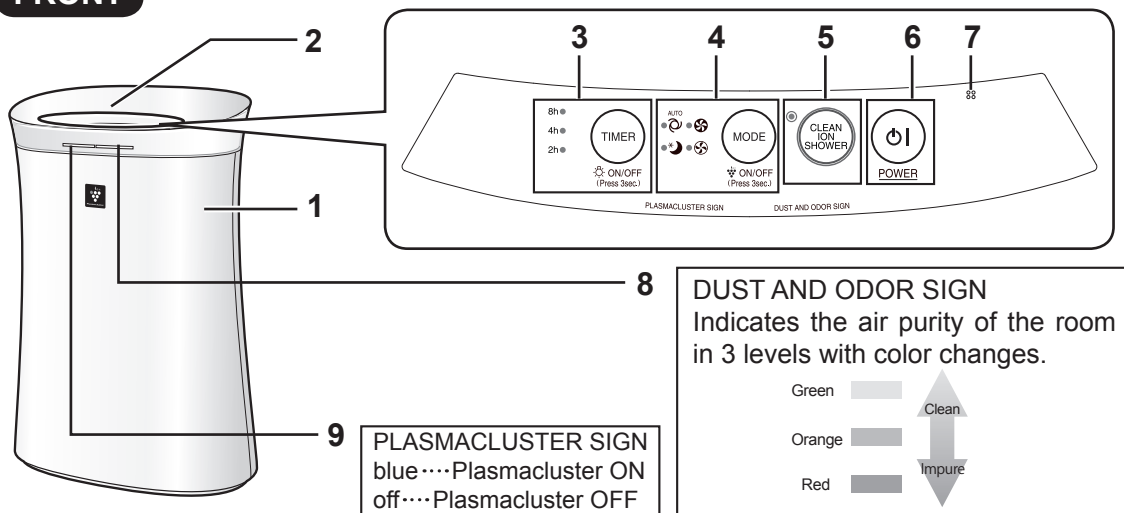
- **When using the unit, place it away from equipment utilizing electric waves such as televisions or radios to avoid electrical interference.**
- **Avoid use in locations where furniture, fabrics or other items may come in contact with and restrict the air intake and/or air outlet.**
- **Avoid use in 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

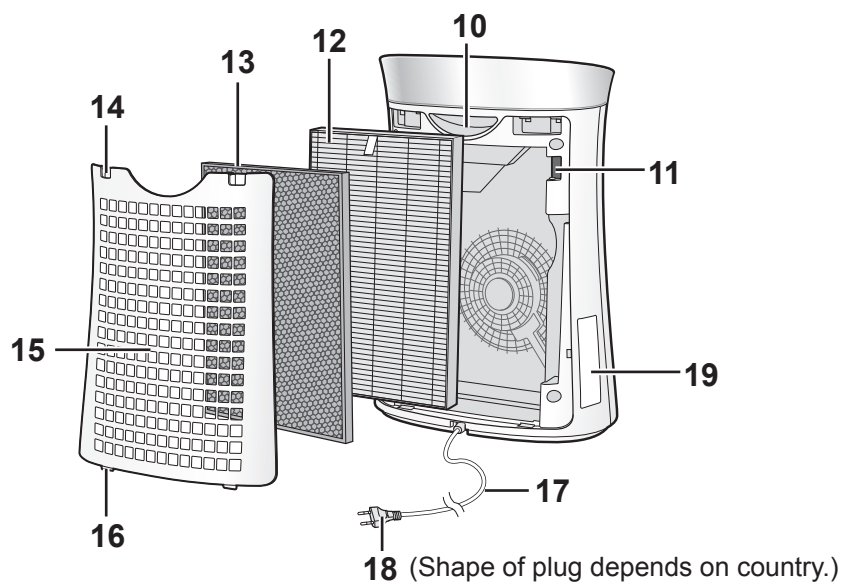
- Follow the instructions in this manual for correct care and maintenance of the filter.

# PART NAMES

## FRONT



## BACK



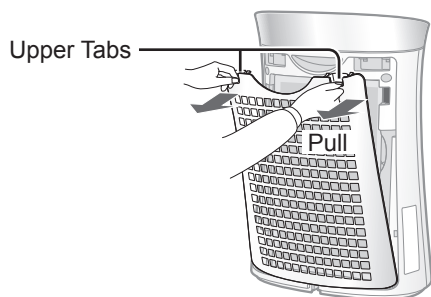
<b>1</b>	<b>Main Unit</b>	<b>10</b>	<b>Handle</b>
<b>2</b>	<b>Air Outlet</b>	<b>11</b>	<b>Dust Sensor / Dust Sensor Filter</b>
<b>3</b>	<b>OFF TIMER Button / OFF TIMER indicator Light (green) LIGHT ON/OFF Button (Press 3 sec.)</b>	<b>12</b>	<b>HEPA Filter</b>
<b>4</b>	<b>MODE Button / MODE Indicator Light (green) Plasmacluster Ion ON/OFF Button (Press 3 sec.)</b>	<b>13</b>	<b>Deodorizing Filter</b>
<b>5</b>	<b>CLEAN ION SHOWER Button / CLEAN ION SHOWER indicator Light (green)</b>	<b>14</b>	<b>Upper Tabs</b>
<b>6</b>	<b>POWER ON/OFF Button</b>	<b>15</b>	<b>Back Panel (Pre-Filter)</b>
<b>7</b>	<b>ODOR sensor</b>	<b>16</b>	<b>Bottom Tabs</b>
<b>8</b>	<b>DUST AND ODOR SIGN</b>	<b>17</b>	<b>Power Cord</b>
<b>9</b>	<b>PLASMACLUSTER SIGN</b>	<b>18</b>	<b>Plug</b>
		<b>19</b>	<b>Date Label</b>

# FILTER INSTALLATION

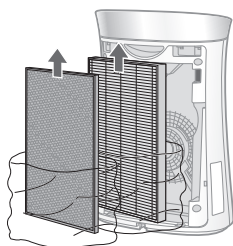
Be sure to remove the power plug from the wall outlet.

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

## 1 Remove the Back Panel.

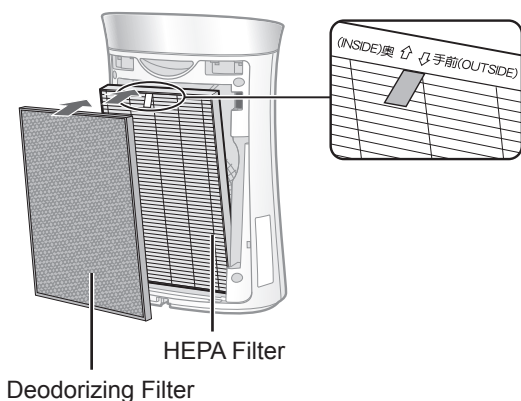


## 2 Remove the filter from the plastic bag.

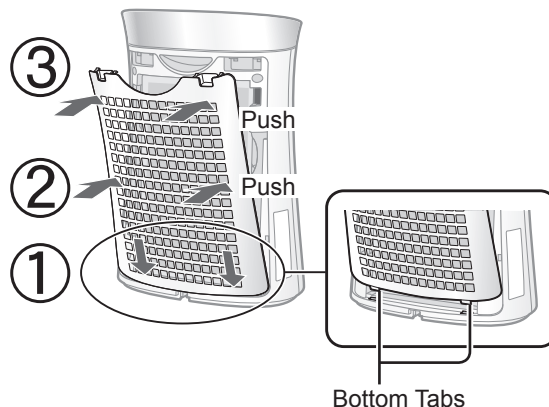


## 3 Place the Filter within the main unit.

Do not install the filter backwards or the unit will not operate properly.

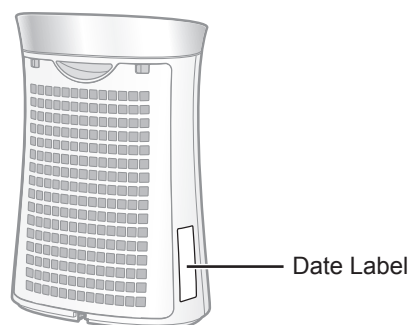


## 4 Replace the Back Panel to the main unit.



## 5 Fill in the usage start date on the Date Label.

Use the date as a guide for the filter replacement schedule.



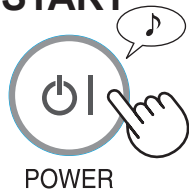
Starting date of use	
HEPA Filter	MODEL FZ-F50HFE
.	.
.	.
.	.
Deodorizing Filter	MODEL FZ-F50DFE
.	.
.	.
.	.

• Do not operate the unit without the filter.

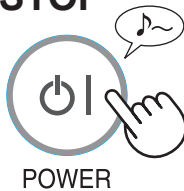
# OPERATION

## 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.


## CLEAN ION SHOWER

Releases high-density Plasmacluster ions and discharges strong air flow for 60 minutes.

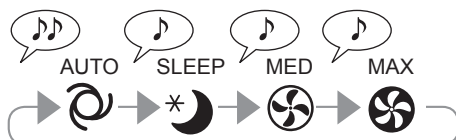
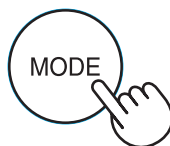
### START



### NOTE

- If Plasmacluster Ion is OFF, Plasmacluster Ion will not be released.
- When the operation finishes, the unit will return to the prior operation mode. It is able to change the other mode and  during this mode.

## FAN SPEED



### NOTE

#### AUTO

- The fan speed is automatically switched depending on the amount of impurities in the air. The sensors detect impurities for efficient air purification.

#### SLEEP \*

- The unit will operate very quietly, and the fan speed is automatically switched depending on the amount of impurities in the air. DUST AND ODOR/PLASMACLUSTER SIGN go off automatically. Even though the indicator is off, Plasmacluster Ion is dispersed into air unless Plasmacluster Ion is turned off by



ON/OFF  
(Press 3sec.)



## OFF TIMER

Select the length of time you want, with the unit on. The unit automatically stops once the selected time is reached.



## Light Control

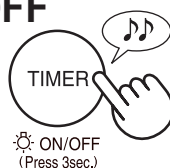
You can set the DUST AND ODOR/PLASMACLUSTER SIGN to OFF when their SIGN is bright.

**ON**



more than 3 sec.

**OFF**



more than 3 sec.

### NOTE

- When the unit restarts its operation, Light Control resumes its setting set before turning off.
- At Sleep Mode, Light Control is available.

## Plasmacluster Ion ON/OFF

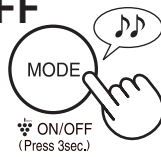
When Plasmacluster Ion is ON, the PLASMACLUSTER SIGN will turn on. (blue)  
(In operation)

**ON**



more than 3 sec.

**OFF**



more than 3 sec.

## ADJUSTMENT OF SENSOR DETECTION SENSITIVITY

Set to "Low" if the DUST AND ODOR SIGN is constantly red to reduce sensitivity, and set to "High" if the DUST AND ODOR SIGN is constantly green to increase sensitivity.

**1**

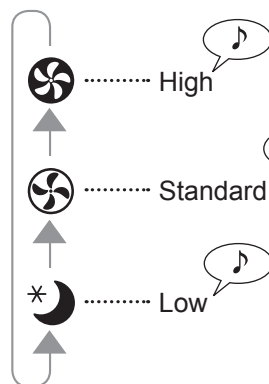
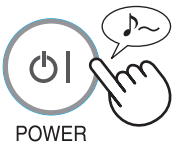


more than 3 sec.

**2**



**3**



### NOTE

- If the power ON/OFF Button is not pushed within 8 seconds of adjusting sensor sensitivity, the setting will be saved automatically.
- The sensor sensitivity setting will be saved even if the unit is unplugged.

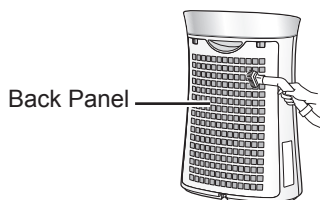
# CARE AND MAINTENANCE



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.

## BACK PANEL (Pre-filter)

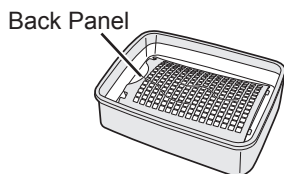


Gently remove dust from the back panel, using a vacuum cleaner attachment or similar tool.

### CAUTION

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

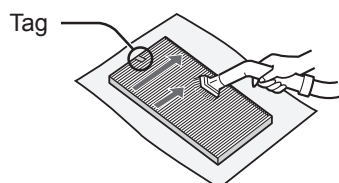
### NOTE How to clean hard to remove dirt



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.

## FILTERS

HEPA Filter

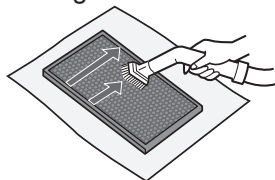


Gently remove dust from HEPA Filter and Deodorizing Filter with a vacuum cleaner attachment or similar tool.

### CAUTION

Do not WASH in water and DRY in the sun.  
The filters are fragile, be careful not to apply too much force.

Deodorizing Filter



#### • HEPA Filter

Apply the maintenance only on the side with the tag.  
Do not clean the opposite side; otherwise, the filter will be damaged.

#### • Deodorizing Filter

The maintenance can be applied to the both sides.

## 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.

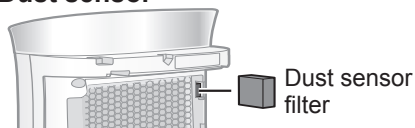
#### •Do not use detergents

Detergent ingredients may damage the unit.

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

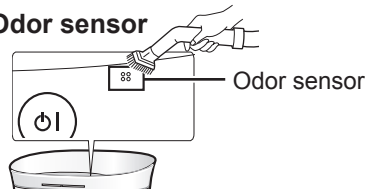
## SENSORS

### Dust sensor



1. Remove the Back Panel.
2. Remove the Dust Sensor Filter.
3. If it is very dirty, wash it with water and dry it thoroughly.

### Odor sensor



Gently remove dust from the odor sensor, using a vacuum cleaner attachment or similar tool.

## FILTER REPLACEMENT GUIDELINES

**Replacement timing** About 2 years after operating

### 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 and odor 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.

## REPLACING THE FILTER

### Replacement Filter

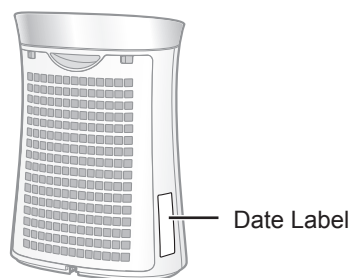
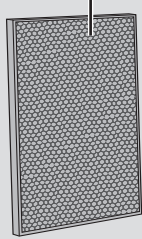
See page E-5 for directions on how to install the filter when replacing.

**Model:FZ-F50HFE**

**Model:FZ-F50DFE**

• HEPA Filter : 1 unit

• Deodorizing Filter : 1 unit



- 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.

HEPA Filter materials :


- Filter : Polypropylene
- Frame : Polyester

Deodorizing Filter materials :

- Polypropylene, Polyester, Activated charcoal

# 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)
Odors and smoke are not removed.	<ul style="list-style-type: none"> <li>Replace the filters if they appear to be heavily soiled. (Ref. E-9)</li> </ul>
The DUST AND ODOR SIGN illuminates green even when the air is impure.	<ul style="list-style-type: none"> <li>The air could be impure at the time the unit was plugged in. Unplug the unit, wait one minute, and plug the unit in again.</li> </ul>
The DUST AND ODOR SIGN illuminates orange or red even when the air is clean.	<ul style="list-style-type: none"> <li>Sensor operation is affected if the Dust and odor sensor openings are dirty or clogged. Gently clean the Dust and odor sensor openings. (Ref. E-9).</li> </ul>
A clicking or ticking sound is heard from the unit.	<ul style="list-style-type: none"> <li>Clicking or ticking sounds may be audible when the unit is generating ions.</li> </ul>
The discharged air has an odor.	<ul style="list-style-type: none"> <li>Check to see if the filters are heavily soiled.</li> <li>Clean or replace the filters.</li> <li>Plasmacluster Air Purifiers emit small traces of ozone which may produce an odor.</li> </ul>
The unit does not operate properly when cigarette smoke is in the air.	<ul style="list-style-type: none"> <li>Is the unit installed in a location that is difficult for the sensor to detect cigarette smoke?</li> <li>Is the dust and odor sensor opening blocked or clogged? (In this case, clean the opening.) (Ref. E-9)</li> </ul>
The DUST AND ODOR SIGN is turned off.	<ul style="list-style-type: none"> <li>Check to see if the Lights OFF Mode selected. Press  for 3 seconds to light On. (Ref. E-7)</li> <li>Check to see if the SLEEP mode is selected. The DUST AND ODOR/PLASMACLUSTER SIGN are turned off automatically after the SLEEP mode is selected.</li> </ul>
The DUST AND ODOR SIGN lights change colour frequently.	<ul style="list-style-type: none"> <li>The DUST AND ODOR SIGN lights automatically change colours as impurities are detected by the Dust and odor sensor.</li> </ul>

SYMPTOM	REMEDY (not a malfunction)
<b>AUTO RESTART</b> After a power failure, automatically resume the operation when the power recovers.	Auto Restart can be set. • 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

Power supply		220-240V 50-60Hz		
Fan Speed Operation	Fan Speed Adjustment	MAX	MED	SLEEP*1
	Rated Power	47W	16W	4.0~5.5W
	Fan Speed	306m <sup>3</sup> /hour	186m <sup>3</sup> /hour	48~90m <sup>3</sup> /hour
Recommended Room Size		~40m <sup>2</sup> *2		
High density Plasmacluster ion recommended room size		~23m <sup>2</sup> *3		
Cord Length		2.0m		
Dimensions		383mm(W)x209mm(D)x540mm(H)		
Weight		5.1kg		

\*1 The fan speed is automatically switched depending on the amount of impurities in the air.

\*2 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).

\*3 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.

# FOR CUSTOMER ASSISTANCE

## SHARP WARRANTY

### *Consumer Electronic Products*

#### **Congratulations on Your Purchase!**

This Sharp product is warranted against faults in material and manufacture for the period as stated in the table below.

If service is required during the warranty period, please contact your nearest Sharp Approved Service Centre. These repairs would be carried out at no charge to the owner, subject to the conditions specified herein.

This warranty does not extend to defects or injuries caused by or resulting from causes not attributable to faulty parts or the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, lack of maintenance, accidental damage, improper voltage, liquid spillage, vermin infestation, software, or any alterations made to the product which are not authorised by Sharp.

Please retain your sales documentation, as this should be produced to validate a warranty claim. This warranty is in addition to and in no way limits, varies or excludes any implied rights and remedies under any relevant legislation in the country of sale.

This warranty does not cover transportation to and from the Sharp Approved Service Centre. Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods. The repair of your goods may result in the loss of user generated data, please ensure that you have saved this data elsewhere prior to repair.

Australian customers: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The criteria of a major failure is defined in the Australian Consumer Law. Should you require any assistance with a major failure please contact Sharp Customer Care.

#### **WARRANTY PERIODS**

Home Theatre Projector	12 months (excluding lamps and air filters)
Audio/Home Theatre	12 months
Microwave Oven	12 months
Steam Oven	12 months
Refrigerator	24 months
DVD/Blu-ray	12 months
Air Conditioner	60 months
Portable Air Conditioner	12 months
LCD Television	36 months
Air Purifier	12 months

**SHARP**  
SHARP CORPORATION OF  
AUSTRALIA PTY. LIMITED  
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2 Julius Avenue  
North Ryde NSW 2113  
SHARP CORPORATION OF  
NEW ZEALAND LIMITED  
89 Hugo Johnston Drive  
Penrose, Auckland

SPform 040 (AUGUST 2011)

**IMPORTANT NOTICE: This warranty applies only to products sold in Australia & New Zealand**

# FOR CUSTOMER ASSISTANCE

**SHARP**

FOR LOCATION ENQUIRIES WITHIN

**AUSTRALIA**

REGARDING YOUR LOCAL

**SHARP APPROVED SERVICE CENTRE**

VISIT OUR WEBSITE AT

**[www.sharp.net.au](http://www.sharp.net.au)**

OR CALL SHARP CUSTOMER CARE

**1300 135 022**

(LOCAL CALL COSTS APPLY WITHIN AUSTRALIA)

SHARP CORPORATION OF AUSTRALIA PTY LTD

**SHARP**

FOR LOCATION ENQUIRIES WITHIN

**NEW ZEALAND**

REGARDING YOUR LOCAL

**SHARP APPROVED SERVICE CENTRE**

VISIT OUR WEBSITE AT

**[www.sharp.net.nz](http://www.sharp.net.nz)**

CONTACT YOUR SELLING DEALER/RETAILER

OR CALL

**SHARP CUSTOMER SERVICES**

TELEPHONE: 09 573 0111

FACSIMILE: 09 573 0113

SHARP CORPORATION OF NEW ZEALAND LIMITED

SPform019(AUGUST 2011)

# **SHARP**

**SHARP CORPORATION OF AUSTRALIA PTY.LTD.**

**A. B. N. 40 003 039 405**

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P.O.BOX 84, MACQUARIE PARK. N.S.W 2113

**SHARP CORPORATION OF NEW ZEALAND LIMITED**

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TINS-B009KKRZ 17B- ①