website http://www.lgservice.com
e-mail http://www.lgeservice.com/techsup.html

LG

ENGLISH
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DEUTSCH

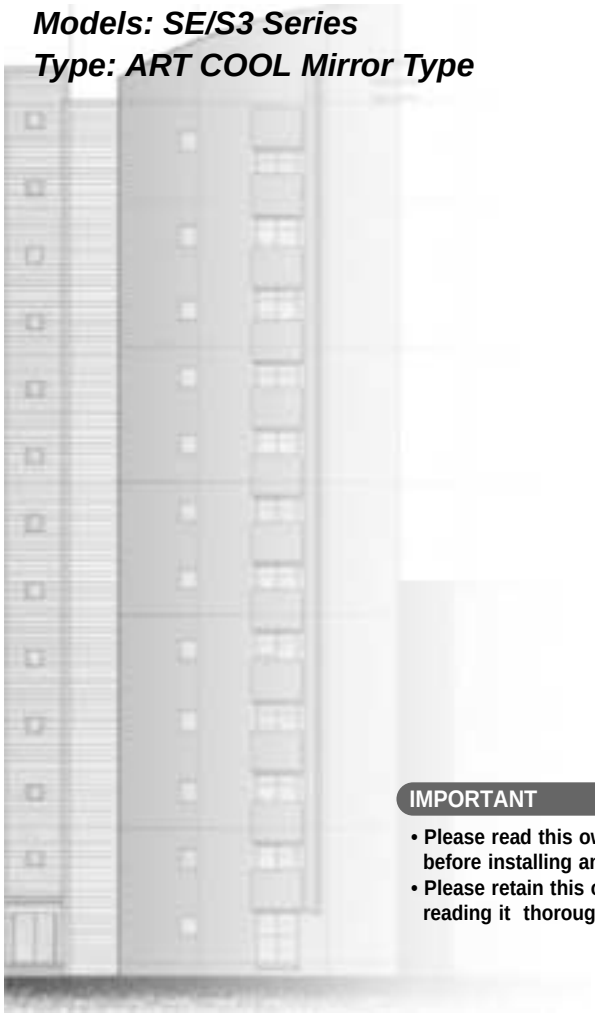
MULTI V™ System

Heat Pump Indoor Unit

OWNER'S MANUAL

Models: SE/S3 Series
Type: ART COOL Mirror Type

Prior to installation, this air-conditioning unit must be submitted for approval by the utility service which provides electricity (EN 61000-2, EN 61000-3 Norm).



IMPORTANT

- **Please read this owner's manual carefully and thoroughly before installing and operating your room air conditioner.**
- **Please retain this owner's manual for future reference after reading it thoroughly.**

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FOR YOUR RECORDS

Write the model and serial numbers here:

Model #

Serial #

You can find them on a label on the side of each unit.

Dealer's Name

Date Purchased

■ Staple your receipt to this page in the event you need to prove date of purchase or to issue warranty.

READ THIS MANUAL

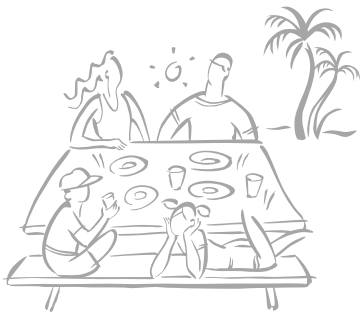
Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

Troubleshooting Tips first, you may not need to call for service at all.

PRECAUTION

- **Contact the authorized service technician for repair or maintenance of this unit.**
- **Contact the installer for installation of this unit.**
- **The air conditioner is not intended for use by young children or invalids without supervision.**
- **Young children should be supervised to ensure that they do not play with the air conditioner.**
- **When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.**
- **Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.**



Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

⚠WARNING	This symbol indicates the possibility of death or serious injury.
⚠CAUTION	This symbol indicates the possibility of injury or damage to properties only.

■ Meanings of symbols used in this manual are as shown below.

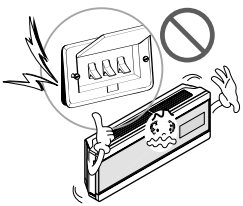
⃠	**Be sure not to do.**
❗	**Be sure to follow the instruction.**

⚠WARNING

■ Installation

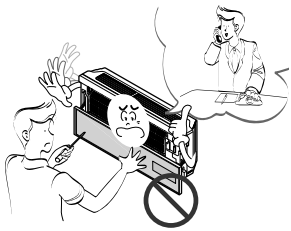
Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is risk of fire or electric shock.



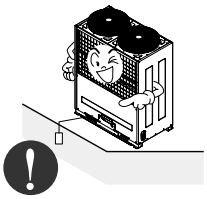
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- Do not disassemble or repair the product. There is risk of fire or electric shock.



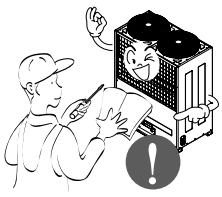
Always ground the product.

- There is risk of fire or electric shock.



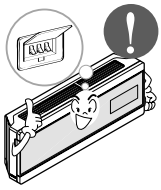
Install the panel and the cover of control box securely.

- There is risk of fire or electric shock.



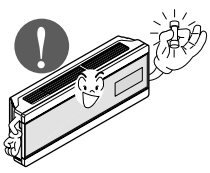
Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock



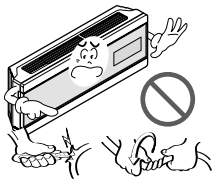
Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.



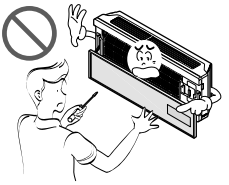
Do not modify or extend the power cable.

- There is risk of fire or electric shock.



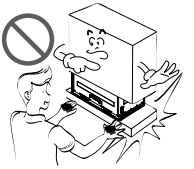
Do not install, remove, or re-install the unit by yourself (customer).

- There is risk of fire, electric shock, explosion, or injury.



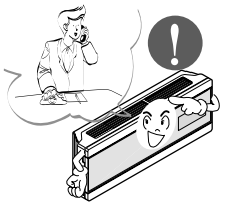
Be cautious when unpacking and installing the product.

- Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.



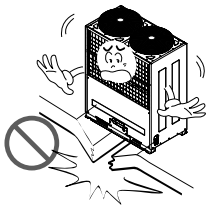
For installation, always contact the dealer or an Authorized Service Center.

- There is risk of fire, electric shock, explosion, or injury.



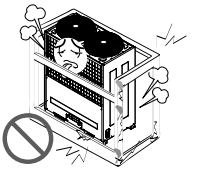
Do not install the product on a defective installation stand.

- It may cause injury, accident, or damage to the product.



Be sure the installation area does not deteriorate with age.

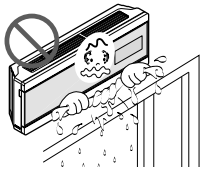
- If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.



■ Operation

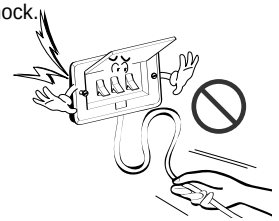
Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

- Moisture may condense and wet or damage furniture.



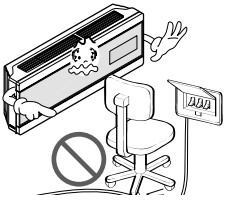
Take care to ensure that power cable could not be pulled out or damaged during operation.

- There is risk of fire or electric shock.



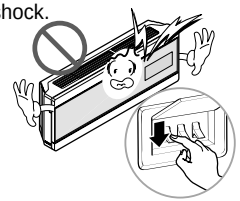
Do not place anything on the power cable.

- There is risk of fire or electric shock.



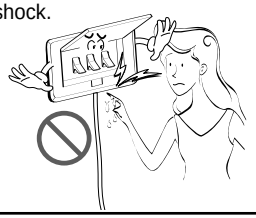
Do not plug or unplug the power supply plug during operation.

- There is risk of fire or electric shock.



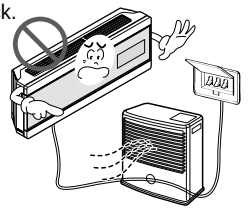
Do not touch(operate) the product with wet hands.

- There is risk of fire or electrical shock.



Do not place a heater or other appliances near the power cable.

- There is risk of fire and electric shock.



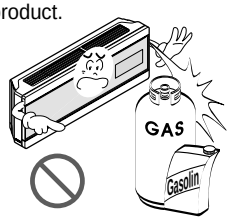
Do not allow water to run into electric parts.

• It may cause There is risk of fire, failure of the product, or electric shock.



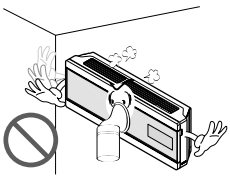
Do not store or use flammable gas or combustibles near the product.

• There is risk of fire or failure of product.



Do not use the product in a tightly closed space for a long time.

• Oxygen deficiency could occur.



When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on.

• Do not use the telephone or turn switches on or off. There is risk of explosion or fire



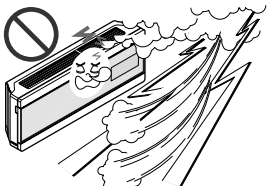
If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

• There is risk of electric shock or fire.



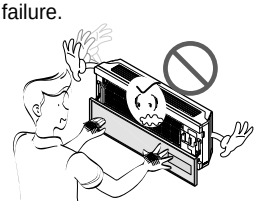
Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.

• There is risk of property damage, failure of product, or electric shock.



Do not open the inlet grill of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)

• There is risk of physical injury, electric shock, or product failure.



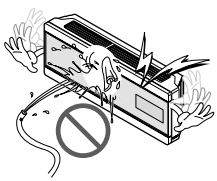
When the product is soaked (flooded or submerged), contact an Authorized Service Center.

• There is risk of fire or electric shock.



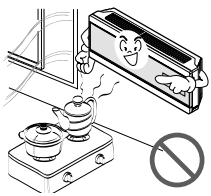
Be cautious that water could not enter the product.

• There is risk of fire, electric shock, or product damage.



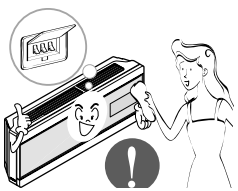
Ventilate the product from time to time when operating it together with a stove, etc.

• There is risk of fire or electric shock.



Turn the main power off when cleaning or maintaining the product.

• There is risk of electric shock.



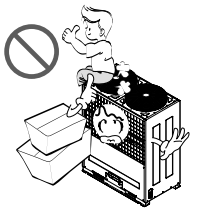
When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.

- There is risk of product damage or failure, or unintended operation.



Take care to ensure that nobody could step on or fall onto the outdoor unit.

- This could result in personal injury and product damage.

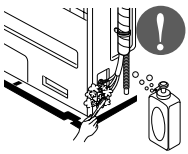


⚠CAUTION

■ Installation

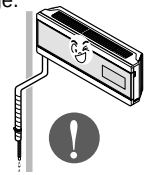
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



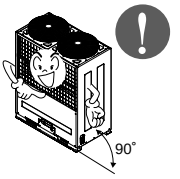
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



Keep level even when installing the product.

- To avoid vibration or water leakage.



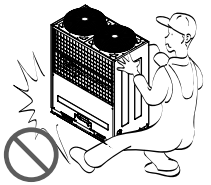
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

- It may cause a problem for your neighbors.



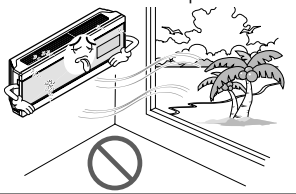
Use two or more people to lift and transport the product.

- Avoid personal injury.



Do not install the product where it will be exposed to sea wind (salt spray) directly.

- It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



■ Operation

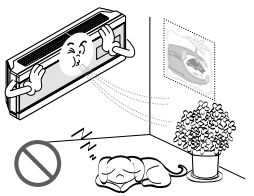
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm to your health.



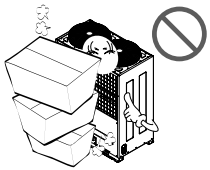
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- There is risk of damage or loss of property.



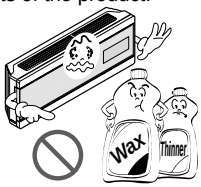
Do not block the inlet or outlet of air flow.

• It may cause product failure.



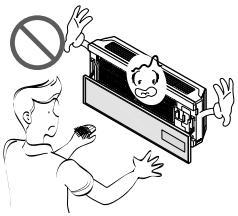
Use a soft cloth to clean. Do not use harsh detergents, solvents, etc.

• There is risk of fire, electric shock, or damage to the plastic parts of the product.



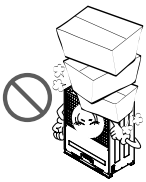
Do not touch the metal parts of the product when removing the air filter. They are very sharp!

• There is risk of personal injury.



Do not step on or put anyting on the product. (outdoor units)

• There is risk of personal injury and failure of product.



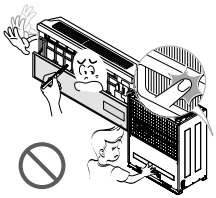
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

• A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.



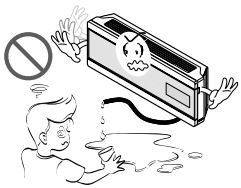
Do not insert hands or other objects through the air inlet or outlet while the product is operated.

• There are sharp and moving parts that could cause personal injury.



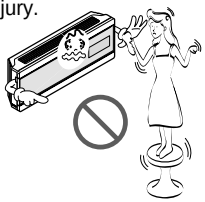
Do not drink the water drained from the product.

• It is not sanitary and could cause serious health issues.



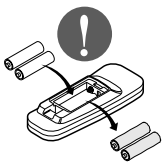
Use a firm stool or ladder when cleaning or maintaining the product.

• Be careful and avoid personal injury.



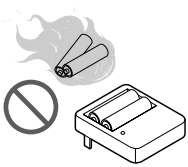
Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

• There is risk of fire or explosion



Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.

• They may burn or explode.



If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.

• The chemicals in batteries could cause burns or other health hazards.



Prior to Operation

Preparing for operation

1. Contact an installation specialist for installation.
2. Use a dedicated circuit.

Usage

1. Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

Cleaning and maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

Service

For repair and maintenance, contact your authorized service dealer.

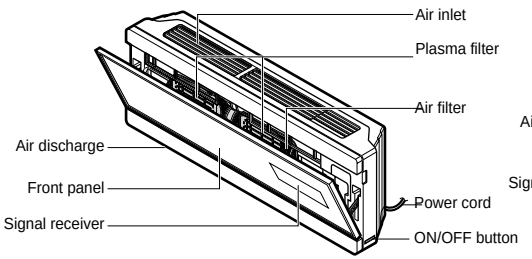
Product Introduction

Here is a brief introduction of the indoor units.
Please see the information specific to your indoor unit type.

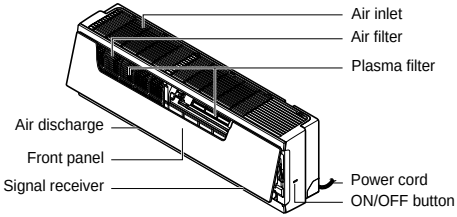
ENGLISH

Indoor Units

Art Cool Mirror(Type 1)
Display panel LED indicators



Art Cool Mirror(Type 2)
Display panel LCD indicators



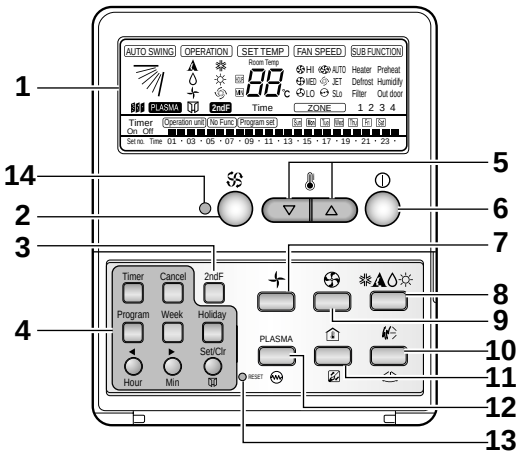
Operation indication lamps

- On/Off : Lights up during the system operation, error code and auto restart setting.
- Sleep mode : Lights up during sleep mode auto operation.
- Timer : Lights up during timer operation or sleep mode auto operation.
- Defrost mode : Lights up during defrost mode or ***hot start operation** (Heat pump model only)
- Plasma : The function illustrates its dynamic mode by using a multiple lighting system.
- 88 Power Display : Indicates the setting temperature and operation mode. (Cooling, heating,auto operation,dehumidification mode)

* **Hot start operation**: Stops the indoor fan in heating operation for minutes to prevent cold air from blowing out from unit.
* In defrost mode unit stops heating operation for few minutes to remove formation of ice on the heat exchanger coils to maintain the efficiency.

Operating Instructions

Name and Function of Remote Controller (Optional)



1. Operation indication screen
2. Swirl button(Not Available)
3. 2ndF button
4. Timer set/cancel
   Program/Week/Holiday
   Hour/Min/SET/Clr/Ventilator
5. Set temperature button
6. ON/OFF button
7. Fan operation
8. Operation mode selection button
9. Fan speed button
10. Horizontal/Vertical air flow direction button(option)
11. Room temperature
12. Plasma button
13. Time reset button
14. Operation lamp

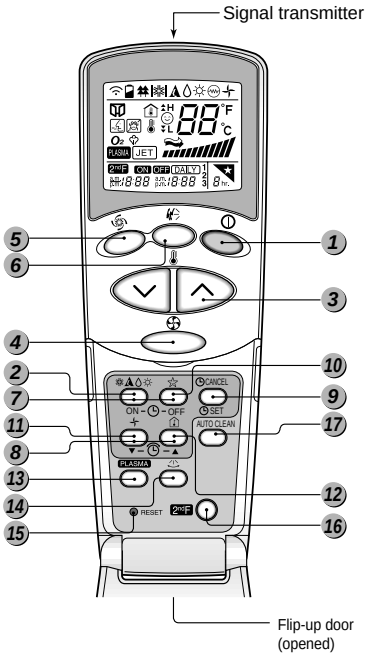
- **Remote Controller Model**

  Standard Type : PQRCUCA0

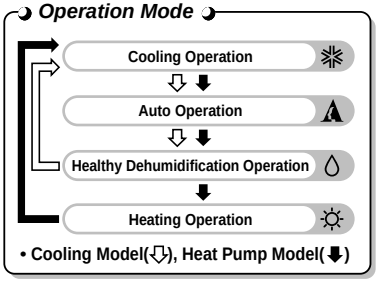
  Simple Type : PCRCUSZ0

  Deluxe type : PQRCUDS0
  PQRCUDS0B
  PQRCUDS0S

Wireless Remote Controller(Optional)



Operation Mode



1. Start/Stop Button
Operation starts when this button is pressed.

2. Operation Mode Selection Button
Used to select the operation mode.

3. Room Temperature Setting Buttons
Used to select the room temperature.

4. Indoor Fan Speed Selector
Used to select fan speed in four steps low, medium, high and Chaos.

5. Jet Cool
Speed cooling/heating operates super high fan speed.

6. Chaos Swing Button
Used to stop or start louver movement and set the desired up/down airflow direction.

7. On/Off Timer Buttons
Used to set the time of starting and stopping operation.

8. Time Setting Button
Used to adjust the time.

9. Timer Set/Cancel Button
Used to set the timer when the desired time is obtained and to cancel the Timer operation.

10. Sleep Mode Auto Button
Used to set Sleep Mode Auto operation.

11. Air Circulation Button
Used to circulate the room air without cooling or heating.

12. Room Temperature Button
Used to set the desired horizontal airflow direction.

13. Plasma(optional)
Used to start or stop the plasma-purification function.

14. Horizontal Airflow Direction Control Button (optional)
Used to set the desired horizontal airflow direction.

15. Reset Button
Initialize remote controller.

16. 2nd F Button
Used prior to using modes printed in blue at the bottom of buttons.

17. Auto Clean(optional)
Used to set Auto Clean mode.

• Remote Controller Model : PQWRHSF0(Heat pump)
PQWRCSF0(Cooling only)

⚠ CAUTION

of handling the Remote Controller

- Aim at the signal receptor on the wired remote controller so as to operate.
- The remote control signal can be received at a distance of up to about 7m.
- Be sure that there are no obstructions between the remote controller and the signal receptor.
- Do not drop or throw the remote controller.
- Do not place the remote controller in a location exposed to direct sunlight, or near the heating unit, or any other heat source.
- Block a strong light over the signal receptor with a curtain or etc. so as to prevent the abnormal operation. (ex:electronic quick start, ELBA, inverter type fluorescent lamp)

Maintenance and Service

⚠ CAUTION

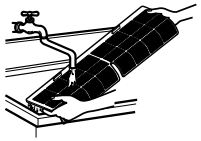


Before performing any maintenance, turn off the main power to the system.

Never use any of the followings:

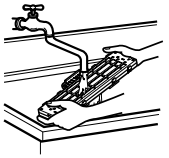
- Water hotter than 40°C.
  Could cause deformation and/or discoloration.
- Volatile substances.
  Could damage the surfaces of the air conditioner.

Air Filters



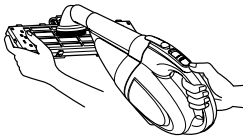
The air filters behind the front panel / grill should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water. Dry well in shade after washing and reinstall the filters back in place.

Plasma Filters



The plasma filters behind the air filter should be checked and cleaned once in every 3 months or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner. If it is dirty wash it with water and dry well in shade an install back in place.

Deodorizer Filters



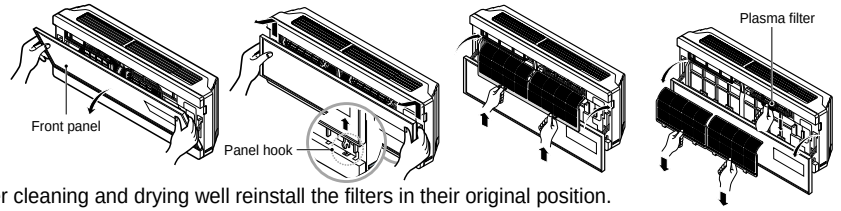
Remove the deodorizer filters behind the air filter and expose them in direct sunlight for 2 hours.
And then insert these filters into original position.

Removal of Filters

Two different methods to open the front panel based on types of air conditioner as below ;

Type 1:

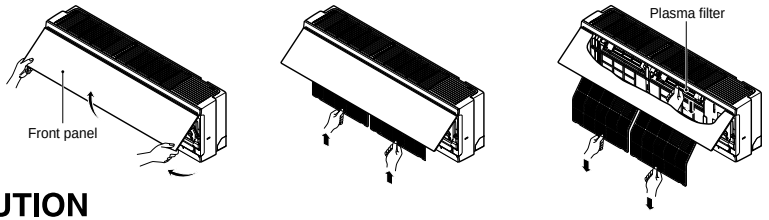
Open the upside of the panel and lift it up as shown. The hooks of the panel will come off. Remove the air filters. Then pull out the plasma filter



After cleaning and drying well reinstall the filters in their original position.

Type 2:

Open the front panel as shown.
Then pull the filter tab slightly forward to remove the air filter.
After removing the air filter remove the plasma and deodorizer filter by slightly pulling forward.



⚠ CAUTION

Don't touch this plasma filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

When the air conditioner is not going to be used for a long time.

When it is not going to be used for a long time.

1. **Operate the air conditioner at the following settings for 2 to 3 hours.**
   - Type of operation: Fan operation mode.
   - This will dry out the internal mechanisms.
2. **Turn off the breaker.**

⚠ CAUTION

Turn off the breaker when the air conditioner is not going to be used for a long time.

Dirt may collect and may cause a fire.

Helpful information

The air filters and your electiric bill.
If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

When the air conditioner is to be used again.

1. **Clean the air filter and install it in the indoor unit.**
   (Refer to page 12 for cleaning it.)
2. **Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.**
3. **Check that the ground wire is connected correctly. It may be connect to the indoor unit side.**

Operation Tips

Do not overcool the room.

This is not good for the health and wastes electricity.

Keep blinds or curtains closed.

Do not let direct sunshine enter the room when the air conditioner is in operation.

Keep the room temperature uniform.

Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.

Make sure that the doors and windows are shut tight.

Avoid opening doors and windows as much as possible to keep the cool air in the room.

Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.

Ventilate the room occasionally.

Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

Before you call for service...

Troubleshooting Tips! Save time and money!

Check the following points before requesting repairs or service.... If the malfunction persist, please contact your dealer.

The air conditioner does not operate.

- Have you made a mistake in timer operation?
- Has the fuse blown or has the circuit breaker been tripped?

The room has a peculiar odor.

- Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.

It seems that condensation is leaking from the air conditioner.

- Condensation occurs when the airflow from the air conditioner cools the warm room air.

Air conditioner does not operate for about 3 minutes when restart.

- This is the protector of the mechanism.
- Wait about three minutes and operation will begin.

Does not cool or heat effectively.

- Is the air filter dirty? See air filter cleaning instructions.
- The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.
- Has the temperature been set incorrectly?
- Are the indoor unit's air inlet or outlet vents obstructed?

The air conditioner operation is noisy.

- For a noise that sounds like water flowing.
  -This is the sound of freon flowing inside the air conditioner unit.
- For a noise that sounds like the compressed air releasing into atmosphere.
  -This is the sound of the dehumidifying water being processed inside the air conditioning unit.

Crack sound is heard.

- This sound is generated by the expansion/ constriction of the front panel, etc. due to changes of temperature.

Filter sign lamp (LED) is ON.

- Cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 sec.

Remote control display is faint, or no display at all.

- Are the batteries depleted?
- Are the batteries inserted in the opposite (+) and (-) directions?

NOTICE

WATER RESISTANT: The outdoor side of this appliance is WATER RESISTANT.
The indoor side is not water resistant and should not be exposed to excess water.



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After reading this manual, keep it in a place easily accessible to the user for future reference.