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LG

LG

# Room Air Conditioner

## ***OWNER'S MANUAL***

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).

**Dear Owner**

**Thank you for installing LG air conditioner.  
Your best choice guarantees you a great  
performance and service to make your life  
comfortable & pleasant.**

### **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.

ENGLISH

ITALIANO

ESPAÑOL

FRANÇAIS

DEUTSCH

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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 it to prove date of purchase or for warranty issues.



## 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.

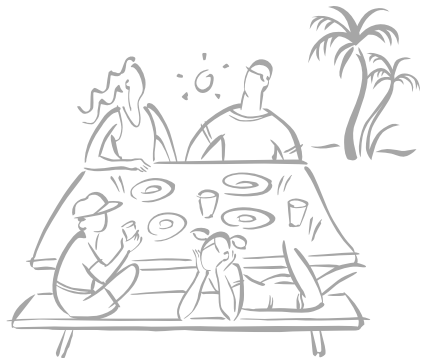
You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

**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.**



# 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.

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

	<b>Be sure not to do.</b>
	<b>Be sure to follow the instruction.</b>

## ⚠ WARNING

**Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse.**

- There is risk of fire or electric shock .

**Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightning rod or telephone ground wire.**

- There is risk of fire or electric shock.

**Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced.**

- There is risk of fire or electric shock.

**Never install the outdoor unit on a moving base or a place from where it can fall down.**

- The falling outdoor unit can cause damage or injury or even death of a person.

**When installing the unit, use the installation kit provided with the product.**

- Otherwise the unit may fall and cause severe injury.

**Always use this appliance on a dedicated circuit and breaker.**

- Otherwise it can cause electric shock or fire.

**Install the panel and the cover of control box securely.**

- There is risk of fire or electric shock due to dust , water etc.

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

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

**When the product is soaked (flooded or submerged) in water , contact an Authorized Service Center for repair before using it again.**

- There is risk of fire or electric shock.

**Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment.**

- The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire.

**For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself.**

- There is risk of fire or electric shock.

**Use the correctly rated breaker or fuse.**

- There is risk of fire or electric shock.

**Do not install the product on a defective installation stand. Be sure that the installation area does not deteriorate with age.**

- It may cause product to fall.

**In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work.**

- An charged capacitor can cause electrical shock.

**Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals.**

- Improper or loose connections can cause heat generation or fire.

## Safety Precautions

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**Safely dispose off the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and throw away the plastic packaging bags.**

- Children may play with them and cause injury.

**Do not touch, operate or repair th product with wet hands.**

- Ther is risk of electrical shock or fire.

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

- There is risk of fire.

**If strange sounds, smell or smoke comes from product, Immediately turn the breaker off.**

- There is risk of electrical shock or fire.

**When the product is not to be used for a long time, turn off the breaker.**

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

**Do not place ANYTHING on the power cable.**

- There is risk of fire or electric shock.

**Do not use damaged power cable.**

- It will cause fire or electric shock.

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

- There is risk of fire and electric shock.

**Do not use the product in a tightly closed space for a long time. Perform ventilation regularly.**

- Oxygen deficiency could occur and hence harm your health.

**Ventilate the product room from time to time when operating it together with a stove, or heating element etc.**

- Oxygen deficiency can occur and hence harm your health.

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

- This could result in personal injury and product damage.

**Do not turn the breaker on/off or connect/disconnect the power supply during operation.**

- Otherwise it may cause fire or electric shock.

**Be sure to check the refrigerant to the used. Please read the label on the product.**

- Incorrect refrigerant used can prevent the normal operation of the unit.

**Do not allow water to run into electric parts. Install the unit away from water sources.**

- There is risk of fire, failure of the product, or electric shock.

**Do not open the front grille 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.

**Turn the main power off when cleaning or repairing the product.**

- There is risk of electrical shock.

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

- There is risk of fire or electric shock.

**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.

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## CAUTION

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**Two or more people must lift and transport the product.**

- Avoid personal injury.

**Keep level even when installing the product.**

- To avoid vibration or noise.

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

- It may cause corrosion on the product.

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

- It may cause a problem for your neighbors and hence dispute.

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

- A bad connection may cause water leakage.

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

- Low refrigerant levels may cause failure of product.

**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 or splashing water 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.**

- There is risk of personal injury.

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

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

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

- A dirty filter reduces the efficiency.

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

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

**Be cautious when unpacking and installing the product.**

- Sharp edges could cause injury.

**If the refrigerant gas leaks during the repair, do not touch the leaking refrigerant gas.**

- The refrigerant gas can cause frostbite (cold burn)

**Do not tilt the unit when removing or uninstalling it.**

- The condensed water inside can spill .

**Do not mix air or gas other than the specified refrigerant used in the system .**

- If air enters the refrigerant system, an excessively high pressure results, causing equipment damage or injury.

**If the refrigerant gas leaks during the installation, ventilate the area immediately.**

- Otherwise it can be harmful for your health.

**Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.**

**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 product failure.

**Do not recharge or disassemble the batteries. Do not dispose off 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.

**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.

**Do not expose your skin or kids or plants to the cool or hot air draft.**

- This could harm to your health.

**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, maintaining or repairing the product at an height.**

- Be careful and avoid personal injury.

**Do not install this product on the plaster board with pegs or screws.**

- This product may be dropped by vibration or shock.

## Prior to operation

### Preparing for operation

1. Contact an installation specialist for installation.
2. Connect the power cable between indoor unit and outdoor unit properly.
3. Use a dedicated circuit.
4. If the cord/plug is damaged, replace it with only an authorized replacement part.

### 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. 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.

### Symbols Used in this Manual



**This symbol alerts you to the risk of electric shock.**



**This symbol alerts you to hazards that could cause harm to the air conditioner.**

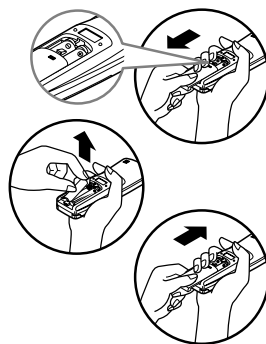
**NOTE**

**This symbol indicates special notes.**

# Operating Instructions

## How to insert the Batteries

1. Remove the battery cover by pulling it according to the arrow direction.
2. Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
3. Reattach the cover by sliding it back into position.



### NOTE

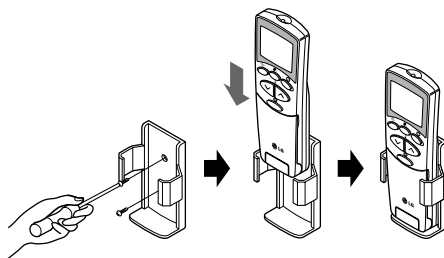
1. Always use/replace both batteries of same type.
2. If the system is not to be used for a long time, remove the batteries to save their working life.
3. If the display screen of remote controller starts, fading replace both of the batteries.

## Wireless Remote Controller Maintenance

1. Choose a suitable place where its safe & easy to reach.
2. Fix the holder to wall etc with the supplied screws firmly.
3. Slide the remote controller inside the holder.

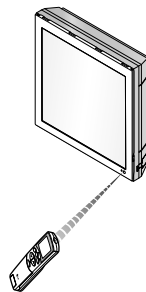
### NOTE

1. Remote controller should never be exposed to direct sunlight.
2. Signal transmitter & receiver should always be clean for proper communication. Use a soft cloth to clean them.
3. In case some other appliances also get operated with remote control, change their position or consult your serviceman.



## Operating Method

1. The signal receiver is inside the unit.
2. Aim the remote controller towards the unit to operate it. There should not be any blockage in between.



## Operation Indication Lamps

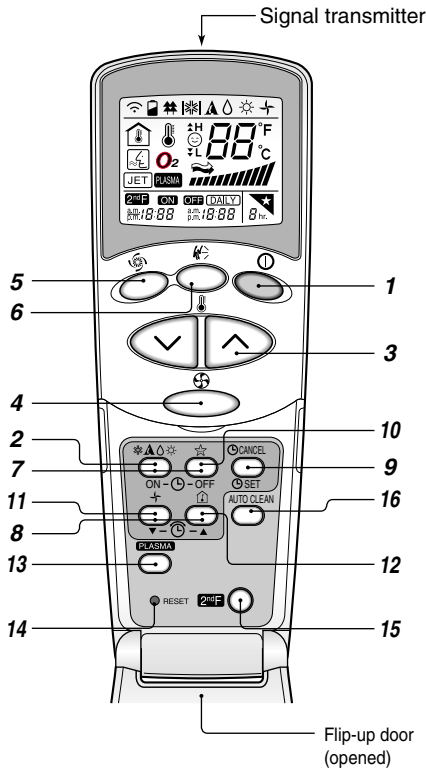
On/Off : Lights up during the system operation, error code and auto restart setting.

\* 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.

## Wireless Remote Controller

The controls will look like the following.



### 1. START/STOP BUTTON

Operation starts when this button is pressed and stops when the button is pressed again.



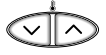
### 2. OPERATION MODE SELECTION BUTTON

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

Used to start or stop the speed cooling/heating. (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 BUTTONS

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 CHECKING BUTTON

Used to check the room temperature.

### 13. PLASMA(OPTIONAL)

Used to start or stop the plasma-purification function.

### 14. RESET BUTTON

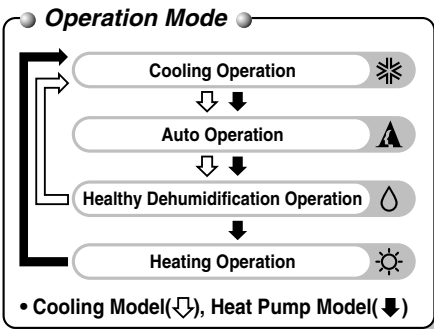
Initialize remote controller.

### 15. 2nd F Button

Used prior to using modes printed in blue at the bottom of buttons.

### 16. AUTO CLEAN

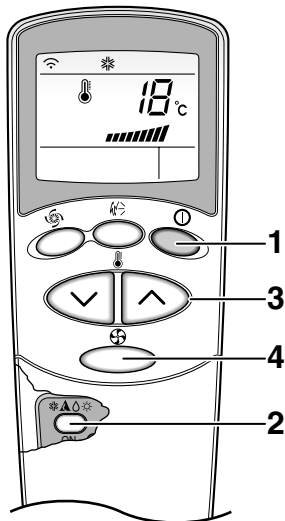
Used to set Auto Clean mode.



## NOTE

To use the functions printed in blue at the bottom of the buttons press 2<sup>nd</sup> F button first and then the required function button. Pressing the 2<sup>nd</sup> F button activates the blue printed function of the respective button. To cancel the function press the 2<sup>nd</sup> F button again else it will automatically cancel if remains idle after 10 seconds.

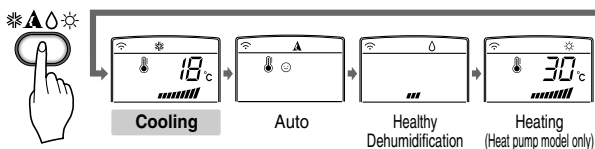
## Operation Mode



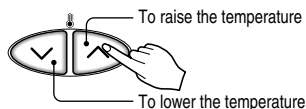
- 1** Press the START/STOP BUTTON to turn the unit on.  
The unit will respond with a beep.



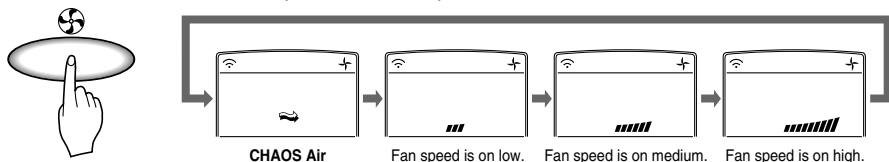
- 2** Open the door of the remote controller and press the operation mode button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



- 3** For cooling or heating operation set the desired indoor temperature by pressing the ROOM TEMPERATURE SETTING BUTTONS.  
For cooling the temperature can be set within 18°C~30°C and for heating the temperature range is 16°C~30°C.



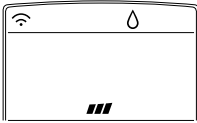
- 4** Set the fan speed with the remote controller. You can select the fan speed in four steps-low, medium, high and CHAOS by pressing the INDOOR FAN SPEED SELECTOR BUTTON. Each time the button is pressed, the fan speed mode is shifted.



### Natural wind by the CHAOS logic

- For fresher feeling, press the INDOOR FAN SPEED SELECTOR BUTTON selector and set to CHAOS mode.  
In this mode, the wind blows like a natural breeze by automatically changing fan speed according to the CHAOS logic.

## Healthy Dehumidification Operation



**Healthy Dehumidification**

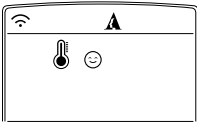


### During Healthy Dehumidification Operation

- ❑ If you select the dehumidification mode on the OPERATION MODE SELECTION BUTTON, the product starts to run the dehumidification function. It automatically sets the room temperature and airflow volume to the best condition for dehumidification, based on the sensed current room temperature. In this case, however, the setting temperature is not displayed on the remote controller and you are not able to control the room temperature either.
- ❑ During the healthy dehumidification function, the airflow volume is automatically set according to the optimization algorithm responding to the current room temperature status, so that the room condition is kept healthy and comfortable even in the very humid season.

To run the healthy dehumidification mode follow steps 1, and 2 and 4 (See operation mode)

## Auto Operation



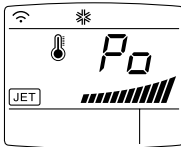
**Auto**

In this operation mode the actual setting temperature and the fan speed are automatically set by the electronic control logic based on the current room temperature. If you feel hot or cold press the temperature setting buttons respectively for more cooling or heating effect.

**NOTE :** You cannot set the actual setting temperature and the indoor fan speed in this operation mode. But you can use the Chaos swing in this operation. If the system is not operating as desired, switch manually to another mode.

To run the auto operation follow steps 1, and 2. (See operation mode)

## Jet Cool



Jet cool function can be used to cool the room quickly in hot summer. When this function is turned on, the air conditioner runs in cooling operation mode with super high fan speed and 18°C setting temperature for 30 minutes for fast and effective cooling.

You can activate this operation by pressing the JET COOL BUTTON.

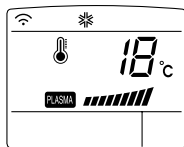
To change from jet cool mode to high fan speed cooling mode, press the JET COOL BUTTON or INDOOR FAN SPEED SELECTOR BUTTON or the ROOM TEMPERATURE SETTING BUTTON again.

### NOTE

- Jet cool function cannot be activated during heating or auto operation.
- Art Cool models close the side discharges during jet cool operation, for strong cooling.



## NEO PLASMA Purification Operation (Optional)



Plasma filter is a technology developed by LG to get rid of microscopic contaminants in the intake air by generating a plasma of high charge electrons. This plasma kills and destroys the contaminants completely to provide clean and hygienic air.

Plasma purification can be started by pressing the PLASMA BUTTON on the remote controller. Repeating it will deactivate the operation.



### NOTE

This feature can be used in any operation mode and any fan speed can be used while plasma filter is functioning.

## Auto Clean

□ During auto clean function, moistures left in indoor units after cooling operation or healthy dehumidification operation can be removed.

AUTO CLEAN



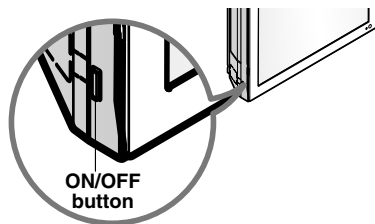
1. Press the AUTO CLEAN BUTTON to activate this function.
2. Now whenever the unit is turned off, the indoor fan is still running for about 30 minutes internally without cooling or dehumidification operation. Also the louver is closed.
3. This dries up any remains of moisture & cleans the unit internally.
4. If you press AUTO CLEAN BUTTON again during operation, this function is cancelled.

### NOTE

□ During auto clean function, only START/STOP BUTTON, PLASMA BUTTON and AUTO CLEAN BUTTON can be used.

## Forced operation

Operation procedures when the remote control can't be used. The operation will be started if the ON/OFF button is pressed. If you want to stop operation, re-press the button.



	Cooling Model	Heat pump Model		
		Room Temp. $\geq 24^{\circ}\text{C}$	$21^{\circ}\text{C} \leq$ Room Temp. $< 24^{\circ}\text{C}$	Room Temp. $< 21^{\circ}\text{C}$
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	$22^{\circ}\text{C}$	$22^{\circ}\text{C}$	$23^{\circ}\text{C}$	$24^{\circ}\text{C}$

## Test operation

During the TEST OPERATION, the unit operates in cooling mode at high speed fan, regardless of room temperature and resets in 18 minutes.

During test operation, if remote controller signal is received, the unit operates as remote controller sets.

If you want to use this operation, Press and hold the ON/OFF button for 3~5 seconds, then the buzzer sound 1 "beep".

If you want to stop the operation, re-press the button.

## Sleep Mode

1. Press the SLEEP MODE AUTO BUTTON to set the time when you want the unit to stop automatically.
2. The timer is programmed in one-hour increments by pressing the SLEEP MODE AUTO BUTTON 1 to 7 times.



The sleep mode is available for 1 to 7 times.

To alter the time period in steps of 1 hour, press the SLEEP MODE AUTO BUTTON while aiming at air conditioner.

### NOTE

- The sleep mode will operate indoor fan at slow speed in cooling and heating mode for pleasant sleep.
- Art Cool and Art Cool Wide (non-Deluxe) close the lower discharge partially in sleep mode for pleasant sleep.

### In cooling mode:

The setting temperature will rise automatically two times by 1°C over next consecutive 30 minutes (2°C in 1 hour) for a comfortable sleep. Now this will be the final setting temperature as long as sleep mode is functioning.

## Setting the Current Time

1. Time can be set only when you press the RESET BUTTON. Having replacing the batteries, you should press the RESET BUTTON to reset the time. Press the Start/Stop button.
2. Press 2nd F button and check if **2<sup>nd</sup>F** icon is on.
3. Press the TIME SETTING BUTTONS until the desired time is set.
4. Press the TIME SET/CANCEL BUTTON.

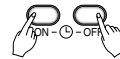


### NOTE

Check the indicator for A.M. and P.M.

## Timer Setting

1. Make sure to set current time correctly on the display of the remote controller.
2. Press 2nd F button.
3. Press the ON/OFF TIMER BUTTONS to turn timer on or off.
4. Press the TIME SETTING BUTTONS until the desired time is set.
5. To set the selected time, press the TIMER SETTING BUTTONS aiming the remote controller at the signal receptor.



### To cancel the timer setting

Check if **2<sup>nd</sup>F** icon is off.

Press the TIMER CANCEL BUTTON aiming the remote controller at the signal receptor. (The timer lamp on the air conditioner and the display will go off.)



### NOTE

Select one of the following four types of operation.



Delay off timer



Delay on timer



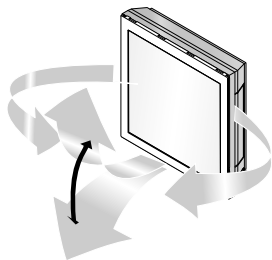
Delay off and on timer



Delay on and off timer

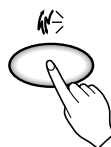
## Airflow Direction Control

The up/down and right/left airflow can be adjusted by using the remote control.



Press the Start/Stop button to start the unit.

Press Chaos Swing button and the louvers will swing.



Press the button again and the louvers will stop. After 30 minutes, the louvers return to the maximum airflow position automatically.

## Air Circulation Mode



This operation circulates the air without cooling or heating. It can be activated by pressing the AIR CIRCULATION BUTTON. Once the air circulation is activated you can select the air speed by pressing the INDOOR FAN SPEED SELECTOR BUTTON.



### NOTE

CHAOS Air economizes power consumption and prevents overcooling. The fan speed is automatically changed from high to low or vice versa, depending on the ambient temperature.

- In case of inverter type models where there is no AIR CIRCULATION BUTTON, air circulation can be operated by pressing the PLASMA BUTTON.

## Auto Restart Function

This function is useful in the situation of power failure. When power regains after a failure this feature restore the previous operating condition and the air conditioner will run in the same settings.

### NOTE

This feature is enabled by factory default setting.

# Maintenance and Service

## ⚠ CAUTION

Before performing any maintenance, turn off the main power to the system, disconnect the circuit breaker and unplug the power cord.

## Indoor Unit

Clean the unit with a soft dry cloth. Do not use bleach or abrasives.

## ⚠ CAUTION

Never use any of these

- Water hotter than 40°C. It may cause deformation and discoloration.
- Volatile substances. They may damage the surface of the air conditioner.

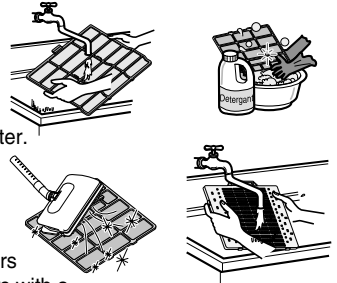


## Air Filters

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.

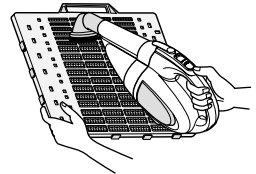
Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water.

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 after 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.

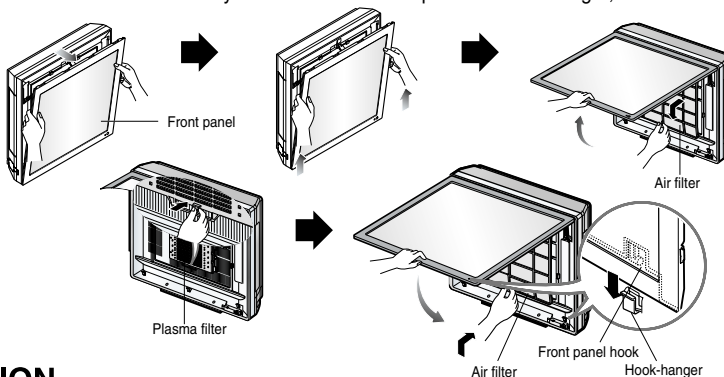
## Removal of Filters

### 1. Art Cool Type :

Pull out the upper section of front panel and lift it up. Take out a filter with front panel held.

With PUSH button pressed, pull out grip to take out a plasma filter. Dry it completely in the shade after cleaning.

Then set a plasma filter and a filter orderly. Put the hook of front panel onto the hanger, in order to close the front panel.

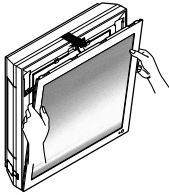


## ⚠ CAUTION

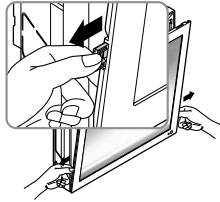
Don't touch this plasma filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

## How to replace picture & photograph

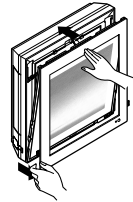
1. Turn off power and then open the upper part of front panel.



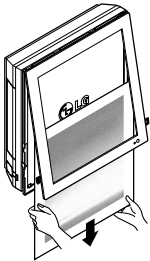
2. Pull out the both links of lower part of front panel, as described in the below picture.



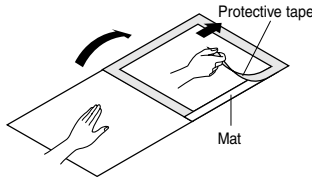
3. Push and close the top part of the front panel and then pull the bottom part of the panel forward until it is secured.



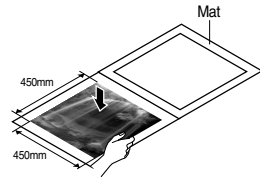
4. Take out picture.



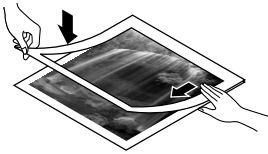
5. Turn upside-down of the picture and turn over mat, then take off a protective tape attached at the mat.



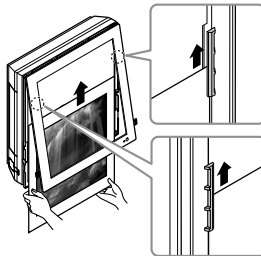
6. Place the picture/photograph between the exited picture and mat. (Recommended size of a photo/picture: 450mm x 450mm)



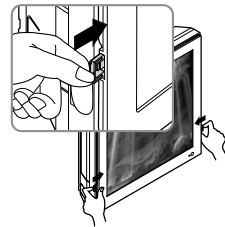
7. Cover mat and press down with hand(s) until contacting closely.



8. Slide the photo graph/drawing requested under both hanger parts as following, and fix them. Press the front panel lightly to close.

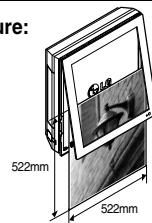


9. Push both links of lower part of panel inside and fix it. Then turn on.



※ In case a mat is not used, recommended size of a photo/picture:  
522mm x 522mm

When powering on after replacing filter and picture,  
the front panel doesn't intervene.



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

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

1. Operate the air conditioner on Air circulation mode (Refer to page 13) for 2 to 3 hours.
  - This will dry out the internal mechanisms.
2. Turn off the circuit breaker, and disconnect the power cable.

**⚠ CAUTION**

Turn off the circuit breaker when the air conditioner is not going to be used for a long time. Dirt may collect and may cause a fire.

3. Remove the batteries from the Remote Controller.

**When the air conditioner is to be used again.**

1. Clean the air filter and install it in the indoor unit. (Refer to page 14 for cleaning filters.)
2. Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

**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.

## Troubleshooting

Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

Case	Explanation	See page
The air conditioner does not operate.	• Check room temperature setting?	9
	• Check if circuit breaker is on?	-
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.	• Check the drain hose is connected tight or if indoor unit is installed even.	-
Air conditioner does not operate for about 3 minutes after turning on.	<ul style="list-style-type: none"> <li>• This is the protector of the mechanism.</li> <li>• Wait about 3 minutes and operation will begin.</li> <li>• About 3 minutes delay is applied to protect compressor from frequently on/off.</li> </ul>	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	14
	• Has the temperature been set correctly?	9
	• Are the indoor unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	<ul style="list-style-type: none"> <li>• For a noise that sounds like water flowing. -This is the sound of refrigerant flowing inside the air conditioner unit.</li> <li>• 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.</li> </ul>	-
Remote Controller display is faint, or no display at all.	<ul style="list-style-type: none"> <li>• Are the batteries depleted?</li> <li>• Are the batteries inserted in the opposite (+) and (-) directions?</li> </ul>	7
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-

