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LG

LG

Room Air Conditioner

***OWNER'S MANUAL***

ENGLISH

ITALIANO

ESPAÑOL

FRANÇAIS

DEUTSCH

**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.

P/No.: MFL42262805

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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.

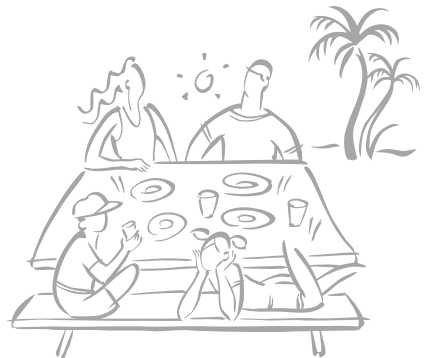
You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

**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

- |   |  |   |
|---|--|---|
| <p><b>Always use a power plug and socket with a ground terminal.</b></p> <ul style="list-style-type: none"> <li>• There is a risk of electric shock.</li> </ul>   | <p><b>Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock .</li> </ul>  | <p><b>Do not use a multi consent. Always use this appliance on a dedicated circuit and breaker.</b></p> <ul style="list-style-type: none"> <li>• Otherwise it can cause electric shock or fire.</li> </ul>  |
| <p><b>For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>                               | <p><b>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.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul> | <p><b>Install the panel and the cover of control box securely.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock due to dust , water etc.</li> </ul>   |
| <p><b>Use the correctly rated breaker or fuse.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>   | <p><b>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.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>    | <p><b>For installation, removal or reinstall , always contact the dealer or an Authorized Service Center.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire, electric shock, explosion, or injury.</li> </ul>  |
| <p><b>Do not install the product on a defective installation stand. Be sure that the installation area does not deteriorate with age.</b></p> <ul style="list-style-type: none"> <li>• It may cause product to fall.</li> </ul>   | <p><b>Never install the outdoor unit on a moving base or a place from where it can fall down.</b></p> <ul style="list-style-type: none"> <li>• The falling outdoor unit can cause damage or injury or even death of a person.</li> </ul>                     | <p><b>When the product is soaked (flooded or submerged) in water , contact an Authorized Service Center for repair before using it again.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>                                    |
| <p><b>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.</b></p> <ul style="list-style-type: none"> <li>• An charged capacitor can cause electrical shock.</li> </ul> | <p><b>When installing the unit, use the installation kit provided with the product.</b></p> <ul style="list-style-type: none"> <li>• Otherwise the unit may fall and cause severe injury.</li> </ul>   | <p><b>Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment.</b></p> <ul style="list-style-type: none"> <li>• The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire.</li> </ul> |

## Safety Precautions

**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.

**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 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 plug or unplug the power supply plug to turn the unit ON/OFF .**

- There is risk of fire or electric shock.

**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.

**Don't use a power cord, a plug or a loose socket which is damaged.**

- Otherwise it may cause a fire or electrical shock.

**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 and unplug the unit when cleaning or repairing the product.**

- There is risk of electric 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.

**Make sure to check that the power cable plug is not dirty, loose or broken and then only insert the plug completely.**

- Dirty, loose or broken power plug can cause electric shock or fire.

**Do not touch , operate, or repair the product with wet hands. Hold the plug by hand when taking out**

- There is risk of electric 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 or disconnect the power supply cable.**

- There is risk of electric shock or fire.

**When the product is not to 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.

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

- 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.

## CAUTION

**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.

**If you eat the liquid from the batteries, brush your teeth and see doctor. 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 insert hands or other objects air inlet while the brush is operating.**

- Moving parts could cause personal injury and product failure

**Do not move the brush by force.**

- It may cause product failure

# Electrical Safety

## **⚠ WARNING**

- This appliance must be properly grounded.  
To minimize the risk of electric shock, you must always plug into a grounded outlet.
- Do not cut or remove the grounding prong from the power plug.
- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.
- If you have any doubt whether the air conditioner is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.

### *Temporary Use of an Adapter*

We strongly discourage the use of an adapter due to potential safety hazards. For temporary connections, use only a genuine adapter, available from most local hardware stores. Ensure that the large slot in the adapter is aligned with the large slot in the receptacle for a proper polarity connection.

To disconnect the power cord from the adapter, use one hand on each to avoid damaging the ground terminal. Avoid frequently unplugging the power cord as this can lead to eventual ground terminal damage.

## **⚠ WARNING**

- Never use the appliance with a broken adapter.

### *Temporary Use of an Extension Cord*

We strongly discourage the use of an extension cord due to potential safety hazards. For temporary situations, use safety standard certified 3-wire grounded extension cords.

## **⚠ WARNING**

This appliance should be installed in accordance with national wiring regulations. This guide acts as a guide to help to explain product features.

### *Symbols used in this Manual*



This symbol alerts you to the risk of electric shock.



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

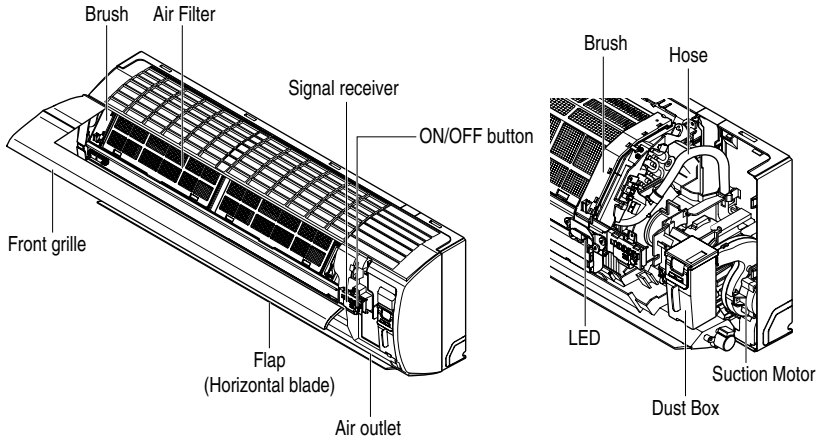
### **NOTE**

This symbol indicates special notes.

# Product Introduction

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

## Indoor Units



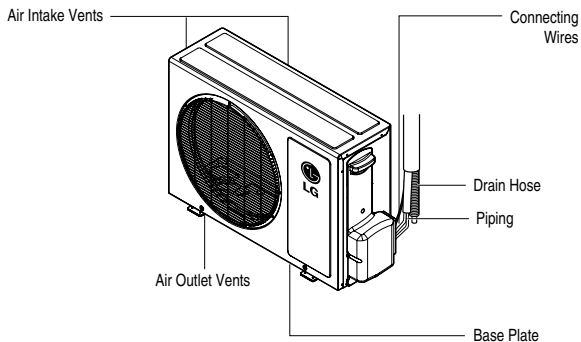
## Operation Indication Lamps

- ① On/Off : Lights up during the system operation, error code and auto restart setting.
- ⏻ Energy-Saving : Lights up during Energy-Saving Cooling Mode Operation Cooling Mode
- ⌚ Timer : Lights up during timer operation or sleep mode auto operation (Inverter Model only)
- ❄️ Defrost mode : Lights up during defrost mode or **\*hot start operation**

\* **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.

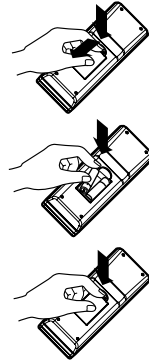
## Outdoor Unit



# 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.

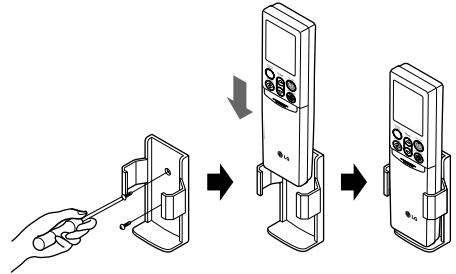


### NOTE

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.

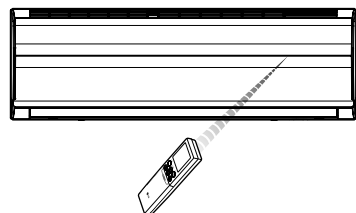


### NOTE

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

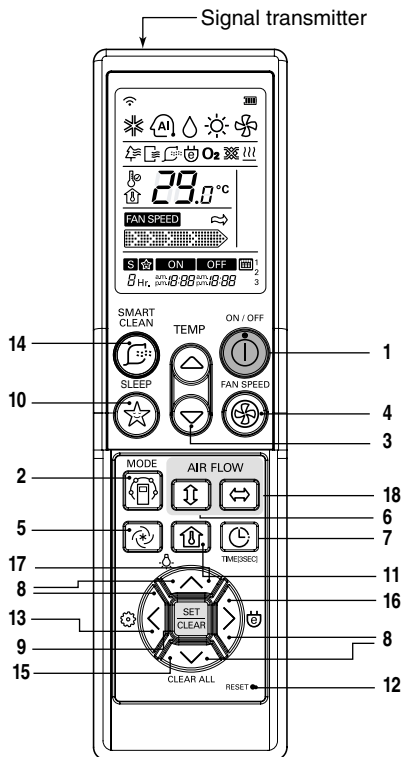
1. The signal receiver is inside the unit.
2. Aim the remote controller towards the unit to operate it.  
There should not be any blockage in between.





## Wireless Remote Controller

The controls will look like the following.



### 1. ON/OFF BUTTON

Used to turn off/on the unit.

### 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 BUTTON

Used to select fan speed in four steps low, medium, high and CHAOS.

### 5. JET COOL/HEAT BUTTON

Used to start or stop the speed cooling and heating .  
(It operates fan in super high speed in cooling and heating mode)

### 6. NEW CHAOS SWING

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

### 7. TIMER AND TIME SETTING BUTTON

Used to set the time of starting / stopping and sleeping operation

### 8. TIME SETTING BUTTONS

Used to adjust the time.

### 9. TIMER SET / CLEAR BUTTON

Used to set and to cancel the timer operation.

### 10. SLEEP MODE AUTO BUTTON

Used to set sleep mode auto operation.

### 11. ROOM TEMPERATURE CHECKING BUTTON

Used to check the room temperature.

### 12. RESET BUTTON

Used prior to resetting time.

### 13. FUNCTION SETTING BUTTON

Used to set auto clean and smart clean mode regularly.

### 14. SMART CLEAN BUTTON

Used to start or stop the smart clean function.

### 15. CLEAR ALL BUTTON

Used to cancel all timer setting.

### 16. ENERGY SAVING COOLING BUTTON

Used to save Energy.

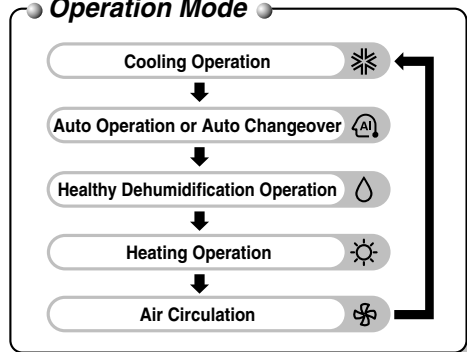
### 17. LED LUMINOSITY BUTTON

Used to adjust brush and display LED luminosity.

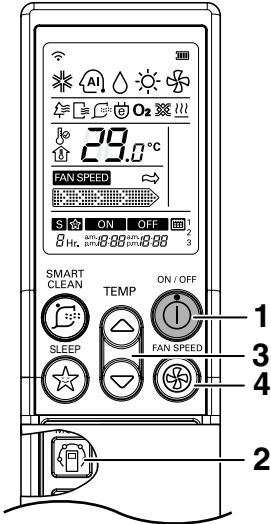
### 18. HORIZONTAL AIRFLOW DIRECTION CONTROL BUTTON

Used to set the desired horizontal airflow direction.

### Operation Mode



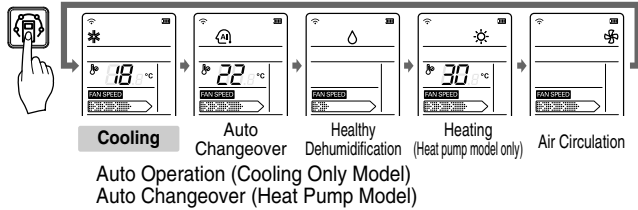
## Operation Mode



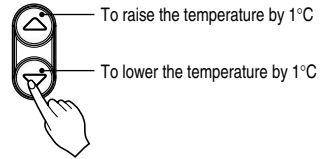
- 1 Press the ON/OFF BUTTON to turn the unit on.  
The unit will respond with a beep.



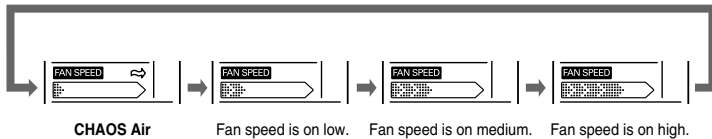
- 2 Open the door of the remote controller and press the operation mode button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



- 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.



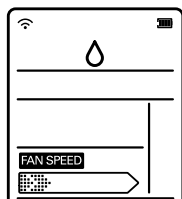
- 4 Set the fan speed with the remote controller. You can select the fan speed in four steps-low, medium, high and CHAOS by pressing the INDOOR FAN SPEED SELECTOR BUTTON. Each time the button is pressed, the fan speed mode is shifted.



### Natural wind by the CHAOS logic

- For fresher feeling, press the INDOOR FAN SPEED SELECTOR BUTTON 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.

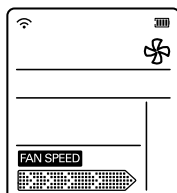
## Healthy Dehumidification Operation



### 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.

## Air Circulation Operation



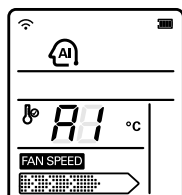
This operation circulates the air without cooling or heating. It can be activated by pressing the OPERATION MODE SELECTION BUTTON. Once the air circulation is activated you can select the air speed by pressing the INDOOR FAN SPEED SELECTOR BUTTON.



### 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.

## Auto Operation (Cooling Only Model)

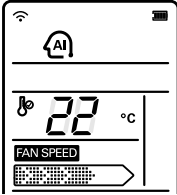


In this operation mode the actual setting temperature and the fan speed are automatically set by the electronic control logic based on the current room temperature. If you feel hot or cold press the temperature setting buttons respectively for more cooling or heating effect.



**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.

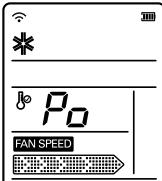
## Auto Changeover Operation (Heat Pump Model)



Auto operation basically is heating or cooling function of the air conditioner. But during this operation the controller changes the operation mode automatically to keep the temperature within  $\pm 2^{\circ}\text{C}$  with respect to the setting temperature.



## Jet Cool/Heat Operation



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  $18^{\circ}\text{C}$  setting temperature for 30 minutes for fast and effective cooling.

Similarly, jet heat function (available only in some models) warms up the room quickly by operating at super high fan speed and  $30^{\circ}\text{C}$  setting temperature for 60 minutes.

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

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

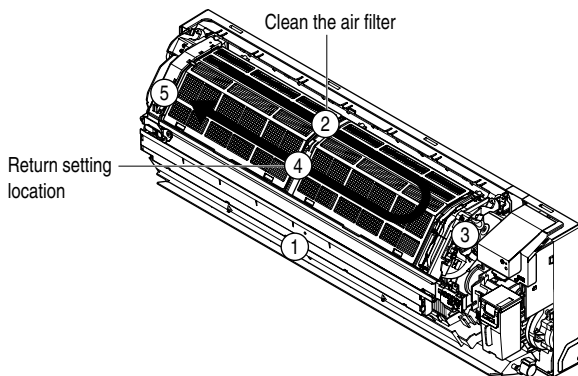


### NOTE

- Jet cool function cannot be activated during auto changeover operations.
- In case of Inverter, Art Cool and Art Cool Wide(non-Deluxe) model, you can use jet heat function by pressing JET COOL/HEAT BUTTON for heating operation.
- Art Cool and Art Cool Wide models close the side discharges during jet cool/heat operation, for strong cooling and heating.

## Smart Clean Operation

The brush automatically cleans dust accumulated on the filter by reciprocating the air filter. The efficiency of the air conditioner can be improved by cleaning the filter at the air inlet. The cleaned dust is automatically collected into the dust box by the sucking motor. You may directly clean the air filter. It's better to clean the filter biannually or when needed.



### 1. When the Smart Clean starts, the indoor fan operates the 2-minute Air circulation operation and the 3-minute Heating operation.

#### Water is removed from the heat exchanger.

- At this time, the LED of the brush is turned on.
- The fan operates at the low speed.
- The louver is a little open.

### 2. When the fan is stopped after 5 minutes, the brush starts cleaning the dust from the filter.

- The brush moves to the right.
- The LED blinks while the brush is cleaning.
- The noise caused by the brush moving over the filter may be occurred.

### 3. When the brush arrives at the dust sucking hole at the right side of the filter, it reciprocates left and right three times to clean the dust from the brush.

- At this time, the dust sucking motor operates for 1 minute and 30 seconds.
- Some noise may be generated from the motor to suck the dust.

### 4. When the sucked dust is collected into the dust box, the brush returns to the original position not to interfere the operation of the air conditioner.

- The sucking motor is stopped.
- The LED of the brush blinks and moves to the left side of the filter.

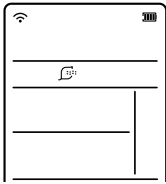
### 5. When the brush arrives at the original position, the Smart Clean function is ended.

- The LED is turned off.

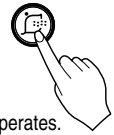
## NOTE

- The Smart Clean function can be used by setting to manual or automatic.
- It is set to the manual mode at the time of the product shipment.

## Manual Smart Clean Operation



When you press the Smart Clean button of the remote controller with the air conditioner stopped, the Smart Clean function operates.



- The Smart Clean function does not operate while the air conditioner operates. When you press the Smart Clean button of the remote controller while the Smart Clean function operates, the Smart Clean function is ended.

At this time, the LED of the brush blinks and returns to the original position (at the left side of the filter) not to interfere the operation of the air conditioner.

- When you press the Smart Clean button to enable the Smart Clean function while the brush is returning to the original position, the Smart Clean starts after the brush arrives at the original position. (The LED is turned off while returning.)

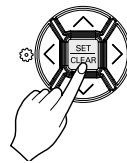
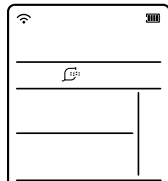
### NOTE

- Smart Clean Set to the manual mode at the time of the product shipment.
- The Brush stop to working when the Front Grill is open. If the Front Grill is closed, the Brush restarts moving for the cleaning Air Filter. If the Front Grill is opened for a long time while the Smart Clean operates, when the Front Grill is closed, the Smart Clean is automatically ended and the brush returns to the initial position.
- When the Smart Clean Operation is ended, the Smart Clean Mark is automatically disappeared from the screen of the remote controller after a while. But, if the Auto Smart Clean is set, the Smart Clean Mark is not disappeared.

## Auto Smart Clean Operation

If the accumulated operation time of the product exceeds 30 hours, the Smart Clean automatically starts when the air conditioner is ended.

1. Select 'Smart clean' by the function setting button (⊕).  
(The order of Auto clean → Smart clean → Off is repeated whenever you press the button.)
2. Set the Smart clean function by using the SET/CLEAR button

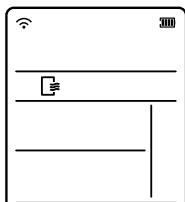



### NOTE

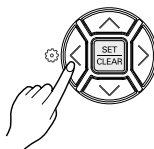
- When the Auto Smart Clean Operation is set, the Smart Clean automatically operates, so the separate operation is not needed.
- When it is ended due to the reserved operation or the sleeping operation, the Auto Smart Clean Operation does not operate. When you operate the Manual Smart Clean with the Auto Smart Clean set, you can check whether the Manual Smart Clean is executed or stopped by hearing the "beep" sound of the product. (The Smart Clean Mark continues to be displayed on the screen of the remote controller.)
- Operating the Smart Clean may cause to generate some noise from the sucking motor and the brush. The noise from the brush and the sucking motor may be felt even louder because the surrounding condition is quiet at night.

## Auto Clean Operation

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



- Select 'Auto clean' by the function setting button(  ). (The order of Auto clean → Smart clean→ Off is repeated whenever you press the button.) Set the Smart clean function by using the SET/CLEAR button.
- 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.
- This dries up any remains of moisture & cleans the unit internally.
- If you operation, this function is cancelled.

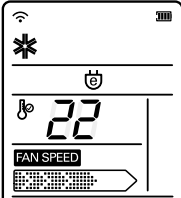


### NOTE

- During auto clean function, only ON/OFF BUTTON  
The Auto Clean Operation does not operate while the Auto Smart Clean Operation operates.

## Energy-Saving Cooling Mode (Optional)

Energy-saving cooling mode can save energy in cooling and healthy dehumidification operation, because it can operate efficiently by setting body-adaptation time according to the change of time and temperature and adjusting automatically desired temperature.



1. Press the ON/OFF BUTTON to start the unit.
2. Open the door of the remote controller.  
Select cooling operation or healthy dehumidification operation.
3. Press the ENERGY-SAVING COOLING MODE BUTTON.
4. To cancel the energy-saving cooling mode, press the ENERGY-SAVING COOLING MODE BUTTON again and unit will operate in previous mode(Cooling or healthy dehumidification mode).

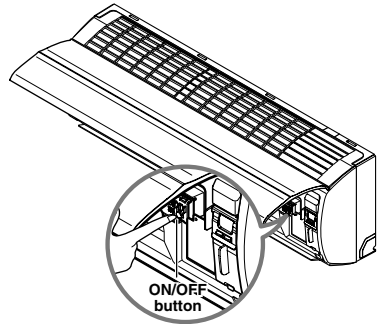


## Display Luminosity(Optional)

The Display Luminosity can be adjusted by using the remote control.  
Open the door by using the remote control and press the LED LUMINOSITY button.  
Brush and Display LED will be dark. Press the button again to set bright display.  
(The order of 100% → 50% LUMINOSITY is repeated whenever you press the button.)

## 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°C	22°C	23°C	24°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.



## Setting the Current Time

1. Press the TIMER BUTTON for 3 seconds.



3. Press the SET / CLEAR BUTTON.



2. Press TIME SETTING BUTTONS until the desired time is set.

- The order of A.M. and P.M → time → minute is repeated whenever you press the < > button.
- By pressin the ^ v button, you can set the current time.



### NOTE

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

## Timer Setting

1. Press the ON/OFF Timer buttons to turn timer on or off.



3. Press the SET / CLEAR BUTTON.



2. Press TIME SETTING BUTTONS until the desired time is set.



### NOTE

Select one of the following three types of operation.



Timer On



Timer Off

## To cancel the timer setting

• If you wish to cancel all timer setting, press the CLEAR ALL BUTTON.



• If you wish to cancel individual timer setting, press the TIMER BUTTON to turn timer sleep or on/off what you want. And then press the SET/CLEAR BUTTON aiming the remote controller at the signal receptor.



(The timer lamp on the air conditioner and the display will go off.)

## Sleep Mode

Press the SLEEP MODE AUTO BUTTON to set the time when you want the unit to stop automatically. 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 hours.



Timer Sleep

### NOTE

- The sleep mode will operate indoor fan at slow speed in cooling mode and at medium speed in 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 or healthy dehumidification 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.

## Vertical / Horizontal Airflow Direction Control (Optional)

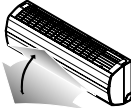
The up/down airflow (Vertical airflow) can be adjusted by using the remote controller.


1. Press the ON/OFF BUTTON to start the unit.

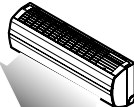
2. Press NEW CHAOS SWING BUTTON.



3. The louvers will swing up & down automatically.



4. To stop the louver at a desired angle, press  again



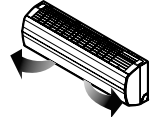
The left/right(Horizontal airflow) can be adjusted by using the remote control.


1. Press the ON/OFF BUTTON to start the unit.

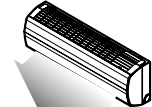
2. Press the HORIZONTAL AIRFLOW DIRECTION BUTTON.



3. The louvers will swing left & right automatically.



4. To stop the louvers at a desired angle, press  again.



### NOTE

- By pressing the CHAOS SWING BUTTON the horizontal air flow direction is changed automatically based on the chaos algorithm to distribute the air in the room evenly and at the same time to make the human body feel most comfortable as if enjoying natural breeze.
- Manually moving the vertical air flow direction louver by hand could damage the mechanism. When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.
- The Chaos Swing may not run correctly during sleep mode.

## Auto Restart Function

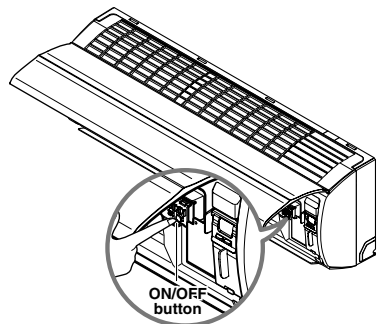
This function is useful in the situation of power failure.

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, but you can disable it by pressing the ON/OFF button for 6 seconds. The unit will beep twice and the indicator lamp(2) will blink 4 times.

To enable it, press the button again for 6 seconds. The unit will beep twice and the indicator lamp(1) will blink 4 times.



# 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

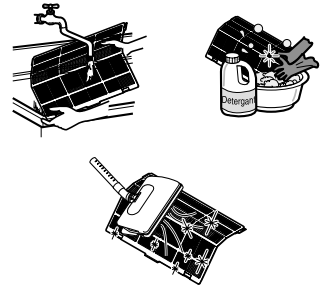
- Water hotter than 40°C. It may cause deformation and discoloration.
- Volatile substances. They may damage the surface of the air conditioner.



## Air Filters

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.

When thinking about buying a new Air Filter, Please contact your dealer/serviceman



## Deodorizer Filters

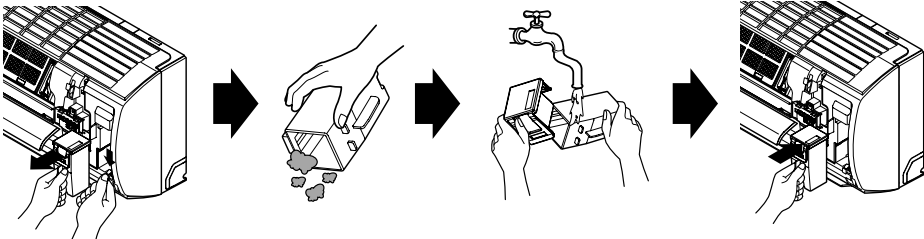
Remove the deodorizer filters behind the air filter and expose them in direct sunlight for 2 hours.

And then insert these filters into original position.

## Dust Box

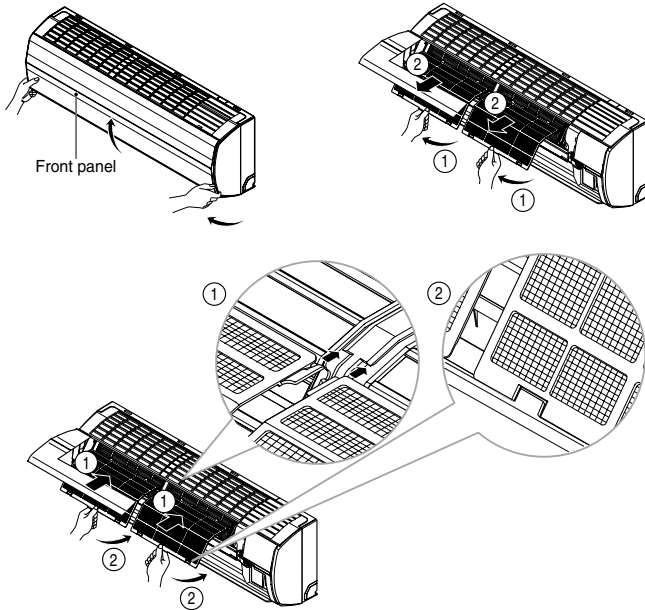
The dust box should be cleaned every 3 years.

(The capacity of the dust box is designed to collect the amount of dust accumulated at the air conditioner filter for 5 years based on the general house.)



## Removal of Filters

- Open the front panel of the air conditioner.
- Hold and lift up slightly the filter holder to disconnect from the hook, and then pull out the filter.
- When you install the filter again, let the left/right ribs of the filter be inserted into the slot of the product.
- Push the filter to put into the hook.

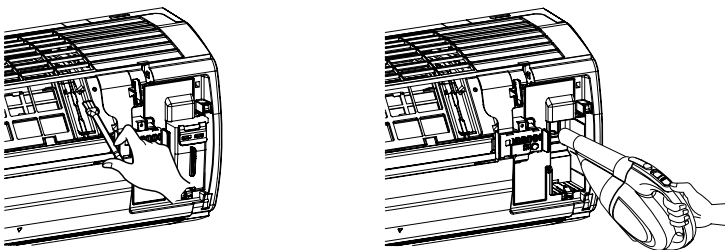


### NOTE

- Incorrectly installing the filter interferes the operation of the brush, which may make the Smart Clean abnormally operate.
- When installing the filter, make sure that the left/right ribs of the filter are correctly inserted into the slot.
- The filter should be periodically cleaned.

## Clean of the dust sucking inlet

- Clean the dust sucking inlet by using the supplied brush. (Perform cleaning periodically or when the dust sucking inlet gets dirty.)
- After cleaning with the brush, use the vacuum
- Cleaner to clean the dust sucking inlet and the dust outlet.



## Outdoor Unit

The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

### NOTE

Dirty or clogged coils will reduce the operating efficiency of the system and cause higher operating costs.

## 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.

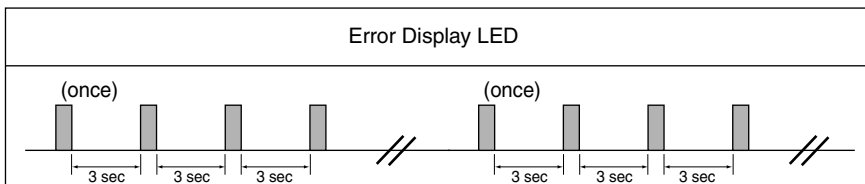
Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

### Use high fan speed for effective and fast cooling.

The unit gives its rated cooling capacity when the fan speed is high.

## Self-Diagnosis Function

This unit has an inbuilt error diagnosis capability. Unit LED will blink in case if thermistor fails. Please contact your serviceman/dealer in such a situation



**Troubleshooting Tips! Save time and money!**

**The air conditioner may be operating abnormally when:**

<i>Problem</i>	<i>Possible Causes</i>	<i>What To Do</i>
Air conditioner does not start	■ The air conditioner is unplugged.	• Make sure the air conditioner plug is pushed completely into the outlet.
	■ The fuse is blown/circuit breaker is tripped.	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	■ Power failure.	• If power failure occurs, turn the mode control to OFF. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	■ High voltage.	• If the voltage is unusually very high or low the circuit Breaker will trip.
Air conditioner does not cool as it should	■ Airflow is restricted.	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	■ The air filter is dirty.	• Clean the filter at least every 2 weeks. See the Maintenance and Service section.
	■ The room may have been hot.	• When the air conditioner is first turned on, you need to allow time for the room to cool down.
	■ Cold air is escaping.	• Check for open furnace floor registers and cold air returns.
	■ Check the temperature settings.	• Make sure they are correct.
	■ There might be any heating source in the room.	• Check and remove such source or turn it off while using the air conditioner.
Brush dose not work	■ Air conditioner is working	• Turn off the Air conditioner. Smart Clean operation doesn't run when Air conditioner is working.
	■ Front Grill is open	• Close the Front Grill.
	■ Air Filter interrupt the moving Brush	• Check the Air Filter whether it set orderly. See the Maintenance and Service section.

**Call the service immediately in the following situations**

1. Anything abnormal such as burning smell, loud noise etc. happen. Stop the unit and turn the breaker off. Never try to repair by yourself or restart the system in such cases.
2. Main power cord is too hot or damaged.
3. Error code is generated by self diagnosis.
4. Water leaks from indoor unit even if the humidity is low.
5. Any switch, breaker (safety, earth) or fuse fails to work properly

**User must carry routine checkup & cleaning to avoid unit's poor performance. In case of special situation, the job must be carried out by service person only.**