



ENGLISH

ESPAÑOL

PORTUGUESE

OWNER'S MANUAL

AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

TYPE : Ceiling Suspended Air Conditioner



P/NO : MFL68221105

www.lg.com

TABLE OF CONTENTS

Safety Precautions	3
Prior to operation.....	6
Product Introduction	7
Operating Instructions	8
Temperature Setting/Room Temperature checking	18
Airflow Setting	19
Timer	20
Additional features	22
Maintenance and Service.....	23



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.

Installer's Name _____

Purchased Date _____

- 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 AWHP properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your product.

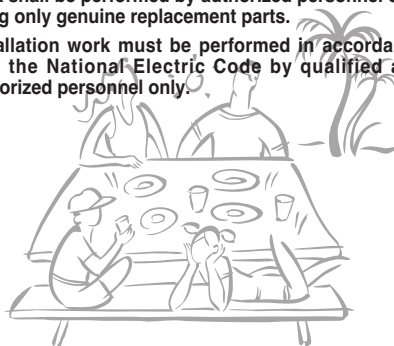
You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

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.
- AWHP 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 AWHP.
- When the power cable 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.

⚠ WARNING

Always ground the product.

- There is a risk of electric shock.

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

- 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 by yourself.

- 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.

Install the panel and the cover of control box securely.

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

Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.

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

- There is risk of fire or electric shock.

For installation, removal or reinstall , 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. Be sure that the installation area does not deteriorate with age.

- It may cause product to fall.

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 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 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 touch , operate, or repair the product with wet hands.

- There is risk of electric shock or fire.

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

- There is risk of fire and electric 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.

Safety Precaution

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

- There is risk of fire.

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.

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.

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.

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.

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.

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.

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.

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.

Turn the main power off and unplug the unit when cleaning or repairing the product.

- There is risk of electric shock.

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.

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.

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.

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.

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

- It may cause corrosion on the product.

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

- A bad connection may cause water leakage.

Keep level even when installing the product.

- To avoid vibration or noise.

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.

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 hazard.

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.

Batteries:

Do not burn, do not try to open it, do not dispose in ordinary trash. Preserve environment and your health.

After use, batteries must be delivered to the merchant or service authorized network (Conama number 401 dated 11/2008).



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

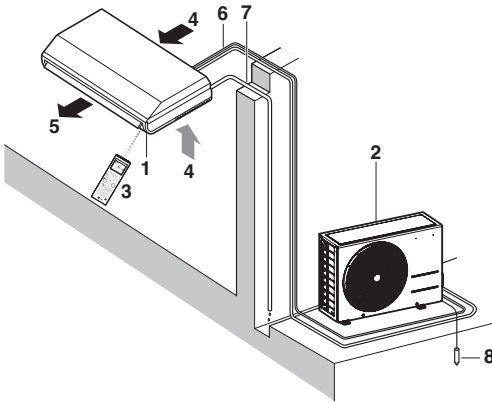
1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure 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.







Product Introduction

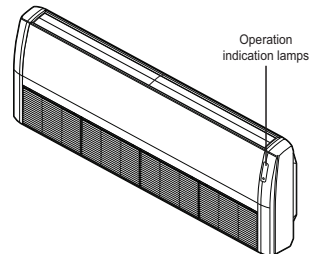
Name and function of parts



- 1: Indoor unit
- 2: Outdoor unit
- 3: Remote controller
- 4: Inlet air
- 5: Discharge air
- 6: Refrigerant piping, connection electric wire
- 7: Drain pipe
- 8: Ground wire
wire to ground outdoor unit to prevent electrical shocks.

Operation Indication Lamps

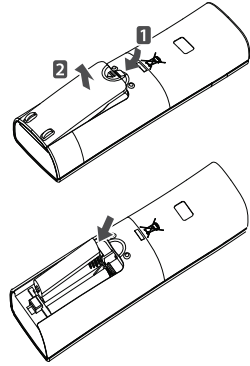
-  **On/Off** : Lights up during the system operation.
-  **Filter Sign** : Lights up after 2400 hours from the time of first operating unit.
-  **Timer** : Lights up during Timer operation.
-  **Defrost Mode** : Lights up during Defrost Mode or Hot Start operation.(Heat pump type)
-  **Outdoor unit operation** : Lights up during outdoor unit operation.
(Cooling type)
-  **Sleep Mode** : Lights up during Sleep Mode Auto operation.(Option)



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.

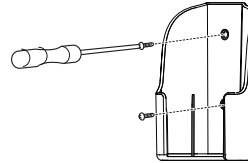


NOTE

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.

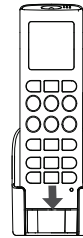
Wireless Remote Controller Maintenance

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.

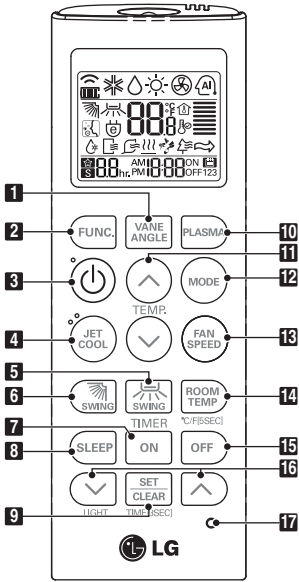


NOTE

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.

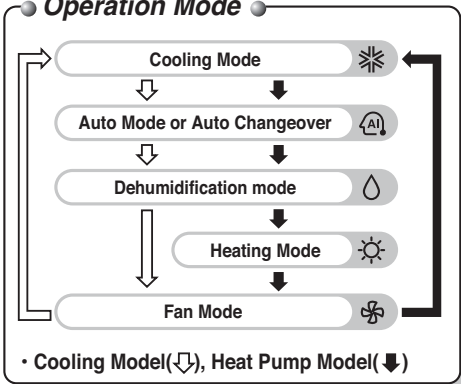


Wireless Remote Controller



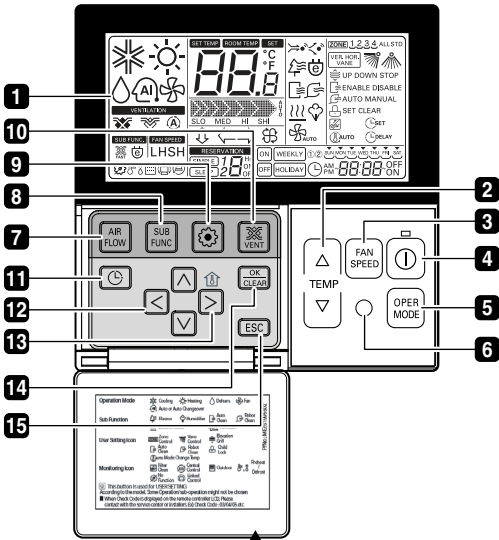
- 1** VANE ANGLE Button(Useless)
Used to set each vane angle.
- 2** FUNCTION SETTING Button(Useless)
Used to set or clear Auto Clean, Smart Clean, Electric heater or Individual vane angle control.
- 3** ON/OFF Button
Used to turn on/off the unit.
- 4** JET COOL Button
Speed cooling operates super high fan speed.
- 5** LEFT/RIGHT AIRFLOW Button(Useless)
Used to set the desired left/right(horizontal) airflow direction.
- 6** UP/DOWN AIRFLOW Button
Used to stop or start louver movement and setthe desired up/down airflow direction.
- 7** ON TIMER Button
Used to set the time of starting operation.
- 8** SLEEP TIMER Button
Used to set the time of sleeping operation.
- 9** SET / CLEAR Button
Used to set/clear the timer.Used to set the current time(if it input for 3sec.)
- 10** PLASMA Button (Useless)
Used to start or stop the plasma-purificationfunction.
- 11** ROOM TEMPERATURE SETTING Button
Used to select the room temperature.
- 12** OPERATION MODE SELECTION Button
Used to select the operation mode.
- 13** INDOOR FAN SPEED SELECTION Button
Used to select fan speed in four steps low,medium, high and chaos.
- 14** ROOM TEMPERATURE CHECKING Button
Used to check the room temperature.
- 15** OFF TIMER Button
Used to set the time of stopping operation.
- 16** TIMER SETTING(Up/Down)/LIGHT Button
Used to set the timer.Used to adjust the brightness.(if it is not timeadjust mode)
- 17** RESET Button
Used to reset the remote controller.

Operation Mode



Wired Remote Controller(Optional)

Name and Function of Remote Controller(PQRCVSL0QW)

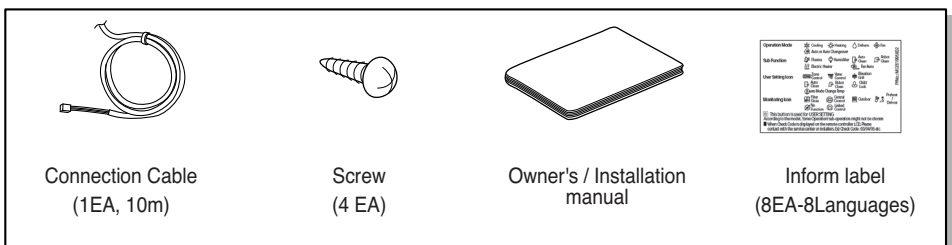


- 1 OPERATION INDICATION SCREEN**
- 2 SET TEMPERATURE BUTTON**
- 3 FAN SPEED BUTTON**
- 4 ON/OFF BUTTON**
- 5 OPERATION MODE SELECTION BUTTON**
- 6 WIRELESS REMOTE CONTROLLER RECEIVER**
 - Some products don't receive the wireless signals.
- 7 AIR FLOW BUTTON**
- 8 SUBFUNCTION BUTTON**
- 9 FUNCTION SETTING BUTTON**
- 10 VENTILATION BUTTON**
- 11 RESERVATION**
- 12 UP,DOWN,LEFT,RIGHT BUTTON**
 - To check the indoor temperature, press button.
- 13 ROOM TEMPERATURE BUTTON**
- 14 SETTING/CANCEL BUTTON**
- 15 EXIT BUTTON**

Please attach the inform label inside of the door.
Please choose proper language depend on your country.

* Some functions may not be operated and displayed depending on the product type.

Accessory



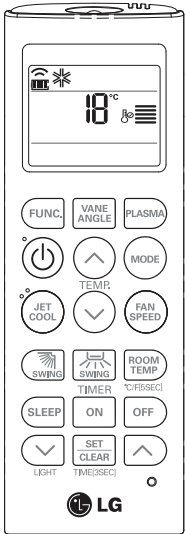
Connection Cable
(1EA, 10m)

Screw
(4 EA)

Owner's / Installation
manual

Inform label
(8EA-8Languages)

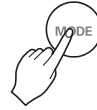
Cooling Mode - Standard Operation



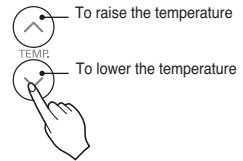
- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Cooling Mode.

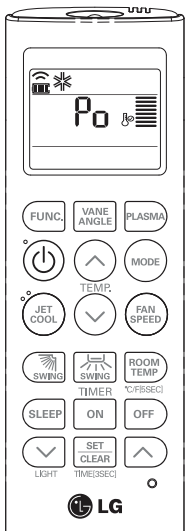


- 3 Set the desired temperature by pressing TEMP button.
Press ROOM TEMPERATURE CHECKING button to check the room temperature. When setting the desired temperature is higher than room temperature, cooling wind isn't blow out.



* Setting Temp. Range : 18~30°C(64~86°F)

Cooling Mode - Power Cooling



- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Cooling Mode.



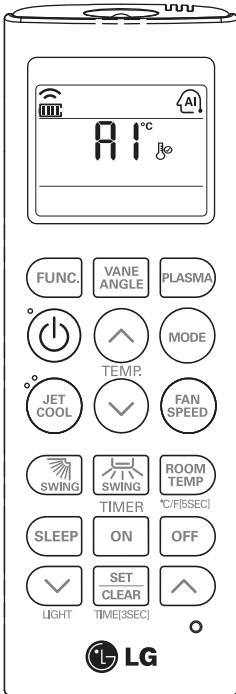
- 3 Press the JET COOL button. The unit will operate in super high fan speed in cooling mode.
* Wall mounted models operate power cooling mode for 30 minutes.



- 4 To cancel the Power cooling Mode press the Jet Cool button or the fan button or the room temperature setting button again and the unit will operate in highfan speed in cooling mode.



Auto Operation Mode



1 Press the ON/OFF button.
The unit will respond with beep sound.

2 Press MODE button to select Auto Operation Mode.

3 Set the desired temperature.

<For Cooling Model>
The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature. If you feel hot or cold, press TEMPERATURE SETTING buttons for more cooling or heating effect. You can not switch the indoor fan speed. It has already been set by the Auto Operation Mode rule.

‡ Please select the code depend on your feeling.

Code	Feel
2	Cold
1	Slightly cool
0	Neutral
-1	Slightly warm
-2	Warm

<For Cooling Model>

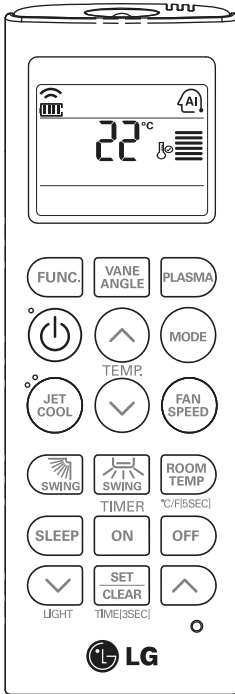
You can set desired temperature and indoor fan speed. Setting Temp. Range : 18~30°C(64~86°F)

During Auto Operation Mode

- If the system is not operating as desired, manually switch to another mode. The system will not automatically switch from the cooling mode to the heating mode, or from heating to cooling, then you must set the mode and the desired temperature again.

Auto Changeover Mode

This Function is only for H/P model.



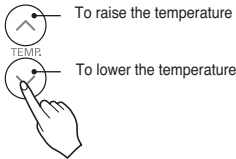
1 Press the ON/OFF button. The unit will respond with beep sound.



2 Press MODE button to select Auto Changeover Mode.



3 Set the desired room temperature.
* Setting Temp. Range in Auto Changeover Mode :
18~30°C(64~86°F)



4 You can select the fan speed in four steps-low, medium, high and chaos. Each time the button is pressed, the fan speed mode is shifted.



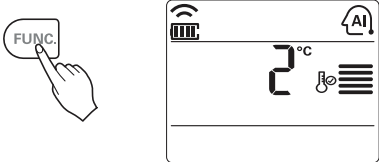
During Auto changeover Mode

- The air conditioner changes the operation mode automatically to keep indoor temperature. When room temperature vary over $\pm 2^{\circ}\text{C}(4^{\circ}\text{F})$ with respect to setting temperature, air conditioner keeps the room temperature within $\pm 2^{\circ}\text{C}(4^{\circ}\text{F})$ with respect to setting temperature by auto changeover mode.

Auto Changeover Mode - Setting the Mode Change Temperature

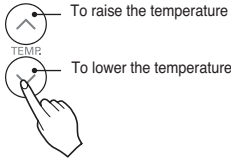
This Function is to set the operating mode of the Auto Changeover Mode.

1 In Auto Changeover Mode, Press FUNCTION button to select.
Setting the Mode Change Temperature.



The diagram shows a hand pressing a button labeled 'FUNC.'. To the right is a digital display showing '2°C' with a fan icon and a battery level indicator.

2 Press the TEMPERATURE SETTING button to set desired Mode Change Temperature.
(Default value is 2°C(4°F).)

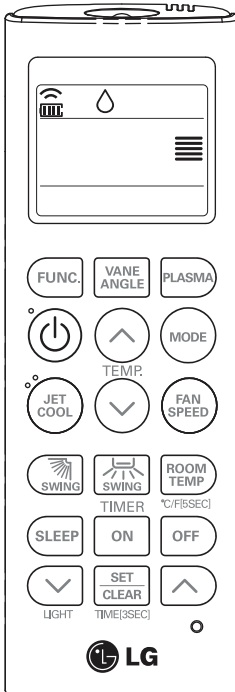


The diagram shows two circular buttons: an up arrow labeled 'To raise the temperature' and a down arrow labeled 'To lower the temperature'. A hand is shown pressing the down arrow. The word 'TEMP.' is written between the two buttons.

*** Mode Change Temp. Range : 1~7°C(2~14°F)**

The Mode Change Temperature is the difference of temperature when from cooling mode to heating mode or from heating mode to cooling mode.
Ex) When setting temperature is 25°C(76°F) and room temperature is 20°C(68°F), then operating mode is heating. If you set the mode change temperature to 2°C(4°F), when the room temperature up to 27°C(25°C + 2°C)(80°F(76°F + 4°F)), the unit start cooling operation.

Dehumidification Mode



- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Dehumidification Mode.



- 3 Set the fan speed. You can select the fan speed in four steps - low, medium, high, or chaos. Each time the button is pressed, the fan speed mode is shifted.

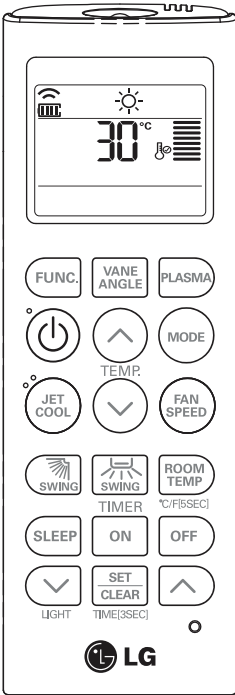


During Dehumidification Mode

- If you select the dehumidification mode on the operation selection button, the indoor unit starts to run the dehumidification function, automatically setting the room temp. and air volume to the best condition for dehumidification based on the sensed room temp. In this case, the setting temp. is not displayed in the Remote Controller and you are not able to control the room temp. either.
- During the healthy dehumidification function, the air volume is automatically set according to the algorithm responding to the current room temp. and makes the room condition healthy and comfortable even in the high humidity season.

Heating Mode

This Function is only for H/P model.



1 Press the ON/OFF button.
The unit will respond with beep sound.

2 Press MODE button to select Heating Mode.

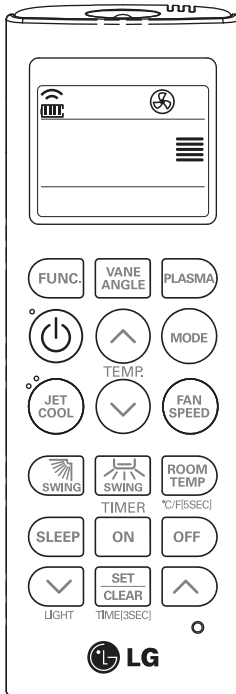
3 Set the desired temperature by pressing TEMP button.
Press ROOM TEMPERATURE CHECKING button to check the room temperature. When setting the desired temperature is lower than room temperature, heating wind isn't blow out.

To raise the temperature
To lower the temperature

*** Setting Temp. Range in Heating Mode : 16~30°C (60°F~86°F)**

4 Set the fan speed again. You can select the fan speed in four steps—low, medium, high, or chaos. Each time the button is pressed, the fan speed mode is shifted.

Fan Mode



- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Fan Mode.



- 3 Set the fan speed again. You can select the fan speed in four steps—low, medium, high, or chaos. Each time the button is pressed, the fan speed mode is shifted.



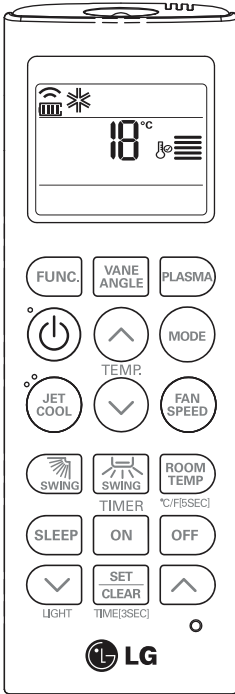
Natural Wind by the chaos Logic

- For more fresh feeling than other fan speed, press the Indoor Fan Speed Selector and set to chaos mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the chaos logic.


During Fan Mode


- The outdoor compressor doesn't work.
Have a function to circulate the indoor air as it sends out the air that doesn't have much temperature difference with indoor.

Temperature Setting/Room Temperature checking



We can simply adjust the desired temperature
• Press the buttons to adjust the desired temperature

 : Increase Temp. per one time pressing
TEMP.

 : Decrease Temp. per one time pressing

Room temp: Indicate the current room temperature
Set temp: Indicate the temperature that user want to set

<Cooling Mode>

The cooling mode doesn't work if desired temperature is higher than room temperature Please lower the desired temperature

<Heating Mode>

The heating mode doesn't work if desired temperature is lower than room temperature Please increase the desired temperature

When ever press ROOM TEMPERATURE button, the room temperature will be displayed within 5 seconds.



After 5 seconds, it turns to display the desired temperature.
Because of location of remote controller, the real room temperature and the this displayed value can be different.

Press ROOM TEMPERATURE button for 5 seconds, temperature unit change Celsius to Fahrenheit or Fahrenheit to Celsius.

Airflow Setting

Up/Down Airflow Direction Control

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 UP/DOWN AIRFLOW button and the louvers will swing up and down. Press the UP/DOWN AIRFLOW button again to set the vertical louver at the desired airflow direction.



NOTE

- If you press the UP/DOWN AIRFLOW button, the horizontal airflow direction is changed automatically based on the Auto Swing algorithm to distribute the air in the room evenly and at the same time to make the human body feel more comfortable, as if enjoying a natural breeze.
- Always use the remote controller to adjust the up/down airflow direction. Manually moving the vertical airflow direction louver by hand, could damage the air conditioner.
- When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

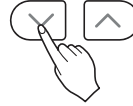
Timer

Setting the Current Time

1. Press the SET / CLEAN button for 3 seconds.



2. Press TIME SETTING buttons until the desired time is set. (If you press down the button for a long time, it will change quickly in the units of 10 min.)



3. Press the SET / CLEAR button.

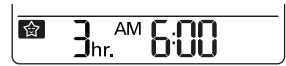


NOTE

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

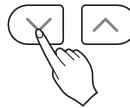
Sleep Timer Setting

1. Press the TIMER button to turn timer on or off.



Timer Sleep

2. Press TIME SETTING buttons until the desired time is set. (7 hours is the maximum setting)

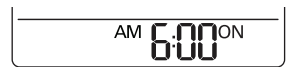


3. Press the SET / CLEAR button.



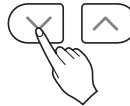
On Timer Setting

1. Press the ON button to turn timer on or off.



Timer ON

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

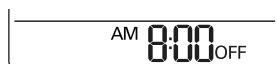


3. Press the SET / CLEAR button.



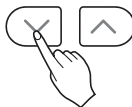
Off Timer Setting

1. Press the OFF button to turn timer on or off.



Timer OFF

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



3. Press the SET / CLEAR button.



Off Timer Setting

- If you wish to cancel all timer setting, press the CLEAR ALL button.
- If you wish to cancel each timer setting, press the each timer button to turn timer sleep or on or off as 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.)

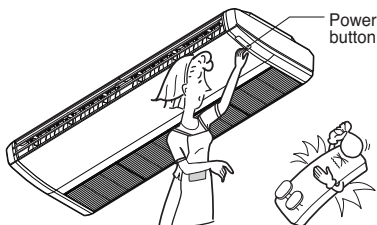


Additional features



Forced Operation

The operation will be started operation if the power button is pressed without remote controller. If you want to stop operation, re-press the button.



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



Auto restart

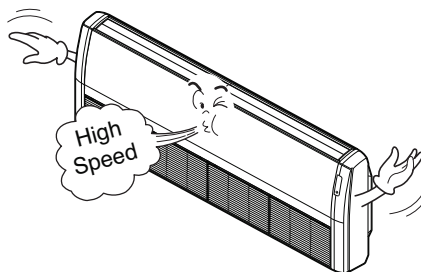
In case the power comes on again after a power failure, the unit operates automatically to the previous operating conditions. So there is no need of activating this function by pressing any key or button. In the initial mode, the fan operates at a low speed and the compressor starts about 3 minutes later. As the compressor starts, the fan speed also resumes its previous setting mode.

⚠ WARNING

: In case of absence for a long time while power failure, turn off main power to avoid undesired Auto restart.

Helpful information

Fan speed and cooling capacity. The cooling capacity indicated in the specification is the value when the fan speed is set to high, and the capacity will be lower at low or medium fan speed. High fan speed is recommended when you wish to cool the room quickly.



Maintenance and Service

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

Indoor Unit

Grille, Case, and Remote Control

- ❑ Turn the system off before cleaning.
 - To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE

: Supply power must be disconnected before cleaning the indoor unit.

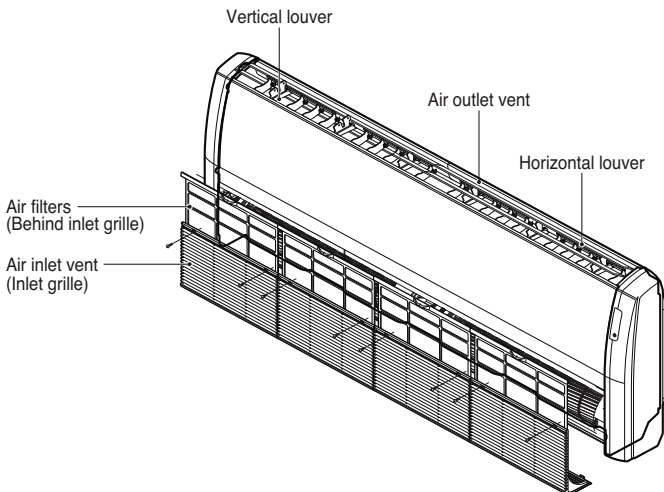
- ❑ Never use any of the followings:
 - Water hotter than 40°C. could cause deformation and/or discoloration.
 - Volatile substances could damage the surfaces of the air conditioner.



AIR FILTERS

The air filters behind the inlet grille should be checked and cleaned once in every 2 weeks or more often if necessary.

1. Pull the filter hook to take the filter out.
2. Clean the filter with a vacuum cleaner or warm, soapy water.
 - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
 - If hot water (40°C or more) is used, it may be deformed.
3. After washing with water, dry well in the shade.
4. Re-install the air filter by pushing the filter inside the inlet grill.



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.

When the air conditioner is not going...

When air conditioner 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. (Refer to page 14.)
 - 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.**

3. Remove the batteries from the Remote Controller.

Helpful information

The air filters and your electric 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 22 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.

Troubleshooting Tips! Save time and money!

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.	<ul style="list-style-type: none"> • Check room temperature setting? • Check if circuit breaker is on? 	-
The room has a peculiar odor.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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"> • This is the protector of the mechanism. • Wait about 3 minutes and operation will begin. • About 3 minutes delay is applied to protect compressor from frequently on/off. 	-
Does not cool or heat effectively.	<ul style="list-style-type: none"> • Is the air filter dirty? See air filter cleaning instructions. 	22
	<ul style="list-style-type: none"> • Has the temperature been set correctly? 	10,15
	<ul style="list-style-type: none"> • Are the indoor unit's air inlet or outlet vents obstructed? 	
The air conditioner operation is noisy.	<ul style="list-style-type: none"> • For a noise that sounds like water flowing. -This is the sound of refrigerant flowing inside the air conditioner unit. 	-
	<ul style="list-style-type: none"> • 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. 	-
Remote Controller display is faint, or no display at all.	<ul style="list-style-type: none"> • Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions? 	-
Crack sound is heard.	<ul style="list-style-type: none"> • This sound is generated by the expansion/contraction of the front panel, etc. due to changes of temperature. 	-
Indoor Unit suddenly power off and power on again after a few minutes	<ul style="list-style-type: none"> • When the unit pressure is too high, high pressure switch operate to protect compressor and system. • When outdoor unit refrigerant is not enough, discharge temperature switch operate to protect compressor and system. <p>During above two conditions, indoor power will be off for a few minutes, when product returns to be normal, indoor power will be on again.</p>	-
Indoor Unit suddenly power off and never power on again	<ul style="list-style-type: none"> • When the unit pressure is too low, low pressure switch operate to protect compressor and system. During this conditions, indoor power will be off and the two LED lights of outdoor PCB will twinkle continuously. 	-

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.**

