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LG

ENGLISH

ESPAÑOL

PORTUGUÊS

LG Ceiling Cassette-Type Air Conditioner

OWNER'S MANUAL

MODELS: ***LTNH182QLE0 / LTUH182QLE0***
LTNH242PLE0 / LTUH242PLE0
LTNH302PLE0 / LTUH302PLE0
LTNH362NLE0 / LTUH362NLE0
LTNH482MLE0 / LTUH482MLE0
LTNH602MLE0 / LTUH602MLE0
LTNC182QLE0 / LTUC182QLE0
LTNC242PLE0 / LTUC242PLE0
LTNC302PLE0 / LTUC302PLE0
LTNC362NLE0 / LTUC362NLE0
LTNC482MLE0 / LTUC482MLE0
LTNC602MLE0 / LTUC602MLE0

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.**

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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.

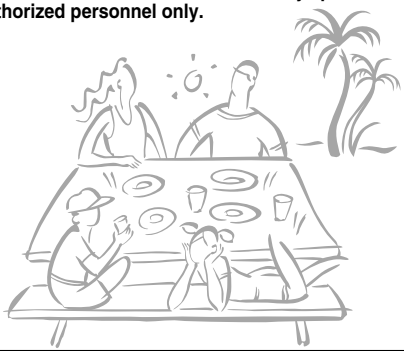
READ THIS MANUAL

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.**
- **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 .

Do not use a multi consent. Always use this appliance on a dedicated cicuit and breaker.

• Otherwise it can cause electric shock 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.

Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightening 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 or cord has scrathes 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 eletric 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.

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 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 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.

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 thraw away the plastic packaging bags.

- Children may play with them and cause injury.

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.

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.

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

- Otherwise the unit may fall and cause severe injury.

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.

Do not plug or unplug the power supply plug to turn the unit ON/OFF .

- 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 anyting 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 leakaing refrigerant gas.

• The refrigernat 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 harmfull 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.

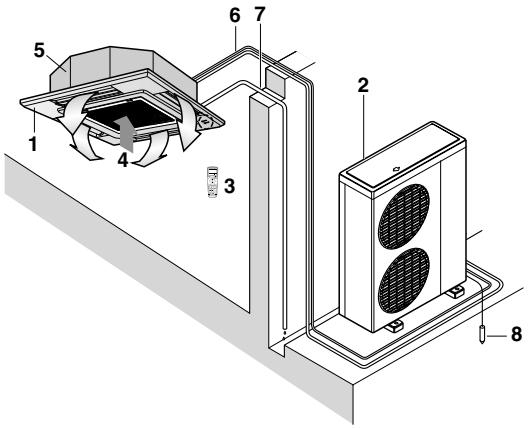
• It is not sanitary and could cause serious health issues.

Use a firm stool or ladder when cleaning, maintaining or repairing the product at an height.

• Be careful and avoid personal injury.

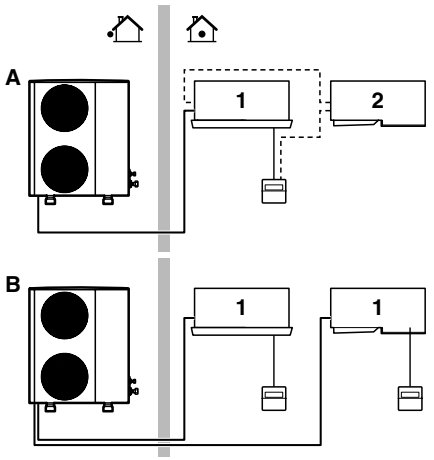
Product Introduction

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.

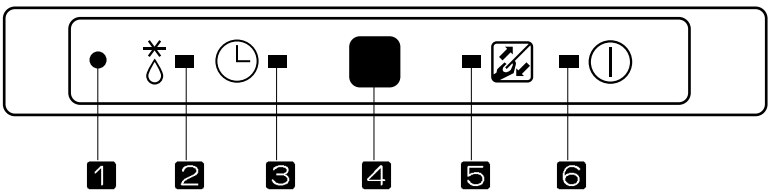
What to do before operation



If your installation has a customized control system, ask your LG dealer for the operation that corresponds to your system.

A: Pair system or simultaneous operation system
B: Multi system
1: Unit with remote controller
2: Unit without remote controller (when used as simultaneous operation)
* Wire remote controler : accessory

Operation Indication Lamps

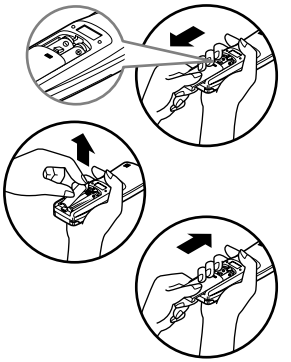


1	Forced operation	: Operation procedures when remote control can't be used.
2	Defrost Mode	: Lights up during defrost mode or hot start operation. (heat pump model only)
3	Timer	: Lights up during timer operation.
4	Signal Receptor	: Receives the signal from remote control (signal receiving sound: two short beeps and one long beep)
5	Filter sign	: Lights up after 2400 hours from the time of first operation.
6	On/Off	: Lights up during system operation.

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.

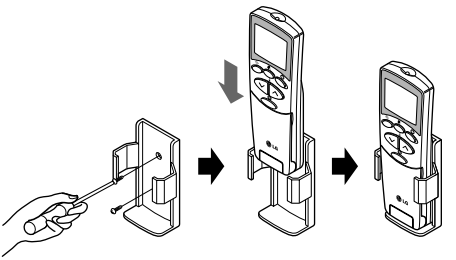


NOTICE

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.
4. Use 2 AAA(1.5 volt) 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.

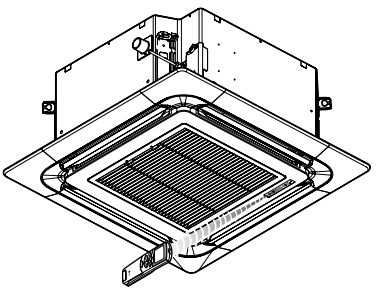


NOTICE

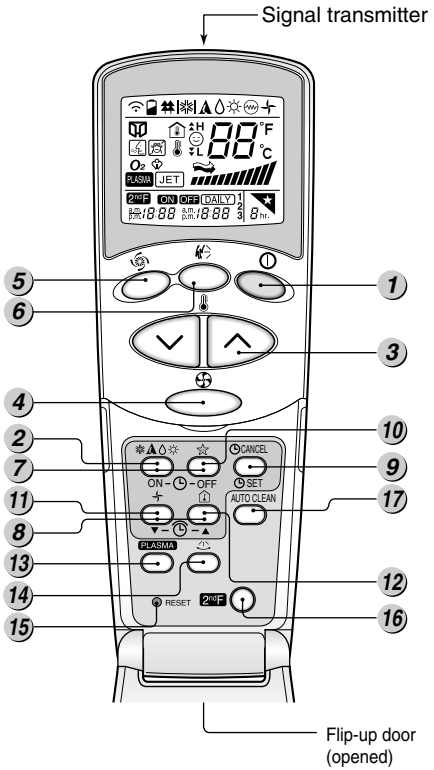
1. Remote controller should never be exposed to direct sunlight.
2. Signal transmitter & receiver should always be clean for proper communication. Use a soft cloth to clean them.
3. In case some other appliances also get operated with remote control, change their position or consult your serviceman.

Operating Method

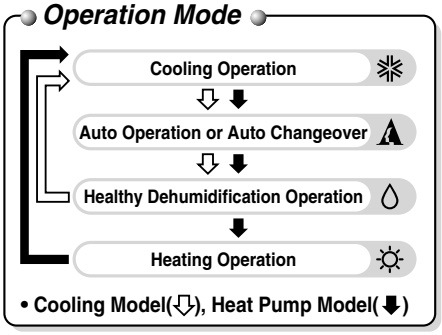
1. The signal receiver is inside the unit.
2. Aim the remote controller towards the unit to operate it. There should not be any blockage in between.



Wireless Remote Controller



Operation Mode



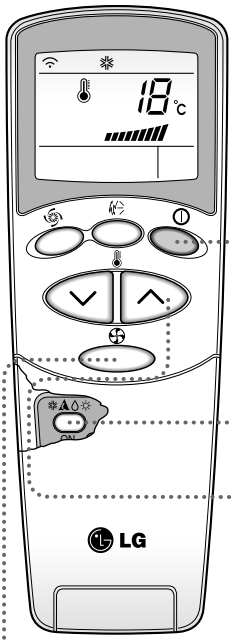
1. **Start/Stop Button**
   Operation starts when this button is pressed.
2. **Operation Mode Selection Button**
   Used to select the operation mode.
3. **Room Temperature Setting Buttons**
   Used to select the room temperature.
4. **Indoor Fan Speed Selector**
   Used to select fan speed in four steps low, medium, high and Chaos.
5. **Jet Cool**
   Speed cooling/heating operates super high fan speed.
6. **Chaos Swing Button**
   Used to stop or start louver movement and set the desired up/down airflow direction.
7. **On/Off Timer Buttons**
   Used to set the time of starting and stopping operation.
8. **Time Setting Button**
   Used to adjust the time.
9. **Timer Set/Cancel Button**
   Used to set the timer when the desired time is obtained and to cancel the Timer operation.
10. **Sleep Mode Auto Button**
    Used to set Sleep Mode Auto operation.
11. **Air Circulation Button**
    Used to circulate the room air without cooling or heating.
12. **Room Temperature Button**
    Used to set the desired horizontal airflow direction.
13. **Plasma**
    Used to start or stop the plasma-purification function.
14. **Horizontal Airflow Direction Control Button**
    Used to set the desired horizontal airflow direction.
15. **Reset Button**
    Initialize remote controller.
16. **2nd F Button**
    Used prior to using modes printed in blue at the bottom of buttons.
17. **Auto Clean**
    Used to set Auto Clean mode.

NOTE

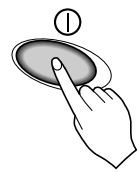
- To use the functions printed in blue at the bottom of the buttons press 2nd F button first and then the required function button. Pressing the 2nd F button activates the blue printed function of the respective button. To cancel the function press the 2nd F button again else it will automatically cancel if remains idle after 10 seconds.
- The wireless remote controller do not operate "14.Horzontal Airflow Direction Control Button" and "17.Auto Clean" Modes for 4Way ceiling cassette type.

How to use the Mode Selection Button

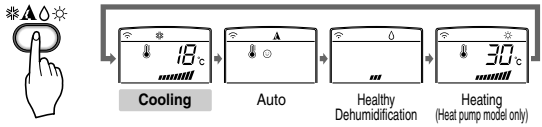
Cooling Operation



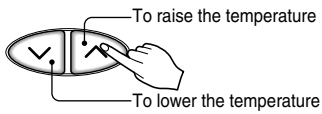
1 Press the Start/Stop button.
The unit will respond with beep sound.



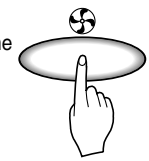
2 Open the door on the Remote Controller. To select **Cooling Operation**, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Set the temperature lower than the room temperature. The temperature can be set within a range of 18°C~30°C in 1°C.



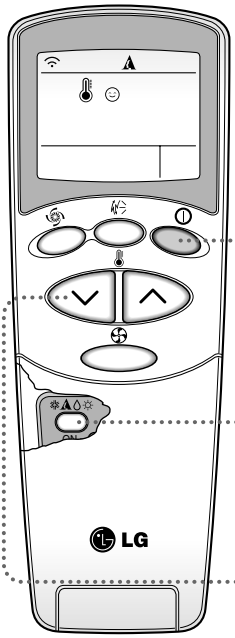
4 You can select the fan speed in four steps- low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



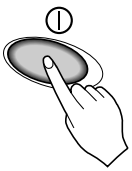
Natural wind by the CHAOS logic

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

Auto Operation

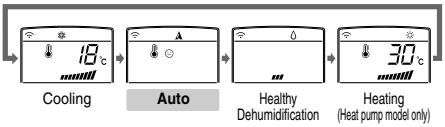


1 Press the Start/Stop button.
The unit will respond with beep sound.

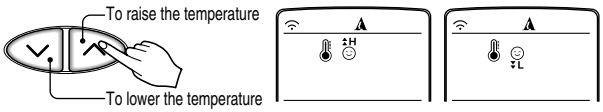


2 Open the door on the Remote Controller. To select **Auto Operation**, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.





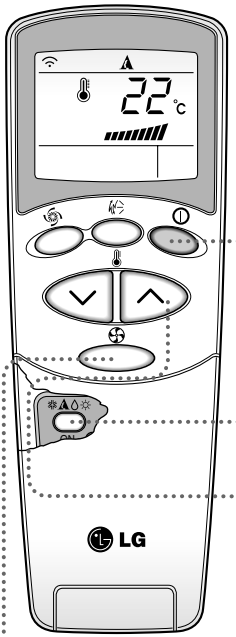
3 The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature. If you want to change the set temperature, press the Room Temperature Setting buttons. The set temperature will be changed considering room temperature.



DURING AUTO OPERATION:

- ❑ You cannot switch the indoor fan speed. It has already been set by the Fuzzy rule.
- ❑ 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.
- ❑ During Auto Operation, pressing the chaos swing button makes the horizontal louvers swing up and down automatically. If you want to stop auto-swing, press the chaos swing button again.

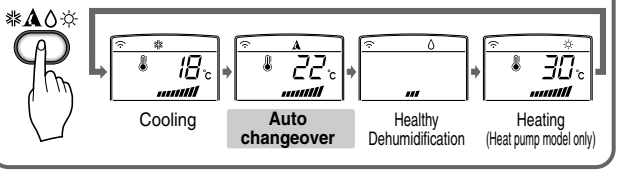
Auto changeover operation(Heat pump model only)



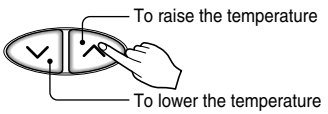
1 Press the Start/Stop button.
The unit will respond with a beep.



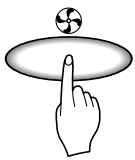
2 Open the door of the remote controller. To select **Auto Changeover Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Close the door of the remote controller. Set the temperature lower than the room temperature. The temperature can be set within a range of 18°C~30°C at intervals of 1°C.



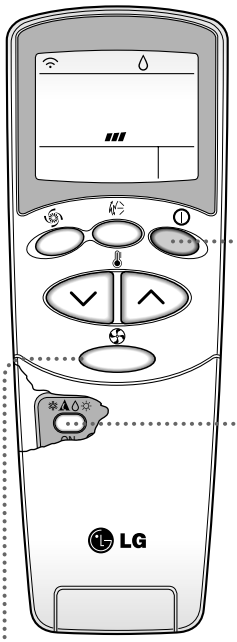
4 Set the fan speed again with the door of the remote controller still closed.
You can select the fan speed in four steps-low, medium, high and CHAOS.
Each time the button is pressed, the fan speed mode is shifted.



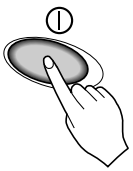
During Auto changeover Operation

The air conditioner changes the operation mode automatically to keep indoor temperature. When room temperature vary over ±2°C with respect to setting temperature, air conditioner keeps the room temperature within ±2°C with respect to setting temperature by auto changeover mode.

Healthy Dehumidification Operation

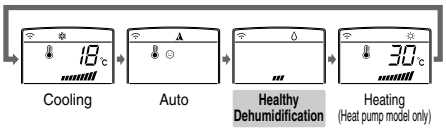


1 Press the Start/Stop button.
The unit will respond with beep sound.



2 Open the door on the Remote Controller. To select **Healthy Dehumidification Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.





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.



NATURAL WIND BY THE CHAOS LOGIC

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

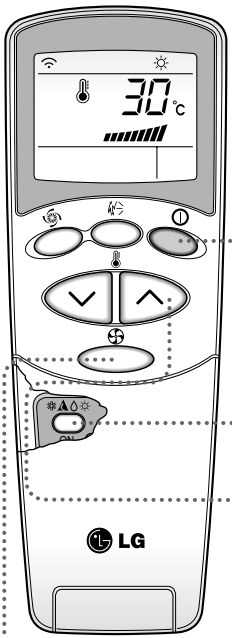
DURING HEALTHY DEHUMIDIFICATION OPERATION:

❑ If you select the dehumidification mode on the operation selection button, the A/C 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.

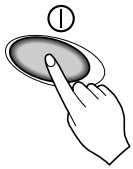
In this case, the setting temp. is not displayed in the Remote Controller and you are not able to control the room temp. either.

❑ 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.

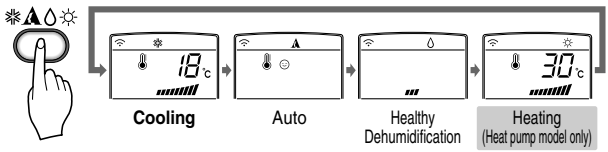
Heating Operation(Heat pump model only)



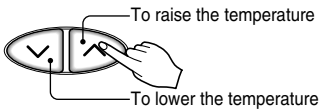
1 Press the Start/Stop button. The unit will respond with beep sound.



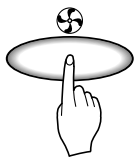
2 Open the door on the Remote Controller. To select **Heating Operation**, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Set the temperature higher than the room temperature. The temperature can be set within a range of 16°C~30°C in 1°C.



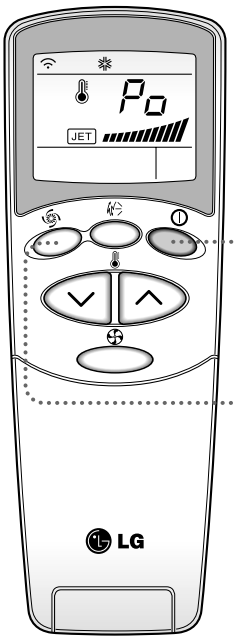
4 Set the fan speed again. You can select the fan speed in four steps–low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



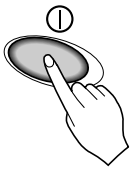
NATURAL WIND BY THE CHAOS LOGIC

❑ 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.

Jet Cool Operation



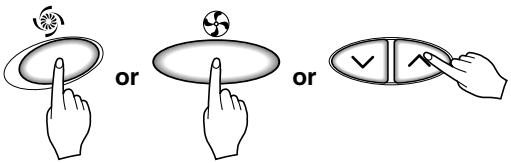
1 Press the Start/Stop button. The unit will respond with beep sound.



2 Press the **Jet Cool** button to operate the speed cooling mode and the unit will operate in super high fan speed on cooling mode for 30 minutes.



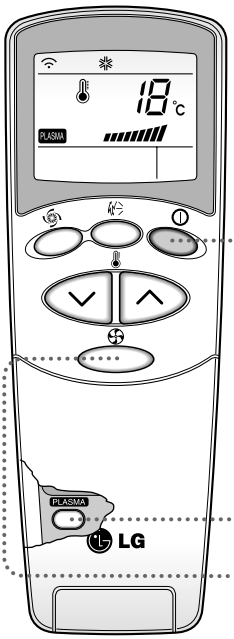
3 To cancel the **Jet Cool** mode, press the **Jet Cool** button or the fan button or the room temperature setting button again and the unit will operate in high fan speed in cooling mode



NOTICE

- ❏ *During the JET COOL function at any moment, the A/C starts to blow the cool air at extremely high speed for 30 minutes setting the room temp. automatically to 18°C. It is especially used to cool the room temperature in the shortest time.*
- ❏ *In order to return to the normal cooling mode from the Jet Cool mode, you just press either the operation mode selection button, air volume selection or temp. setting button or the JET COOL button again.*

NANO PLASMA Purification Operation (Optional)



1 Press the Start/Stop button.
The unit will respond with beep sound.



2 Open the door on the Remote Controller. Press the PLASMA air purifying operation ON/OFF button. Operation will start when the button is pressed and stop when the button is pressed again.

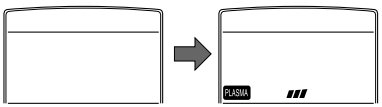


3 Set the fan speed. You can select the fan speed in four steps-low, medium, high or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



❊ Air purifying operation (PLASMA) is available in Heating or any other operations.

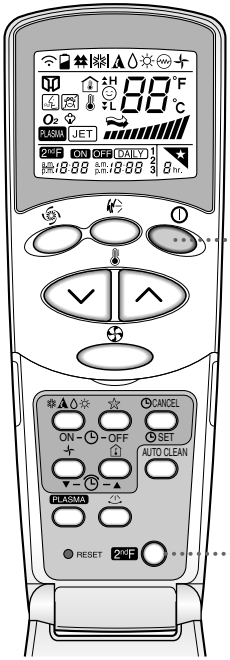
PLASMA Air Purifying Operation only



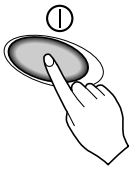


If you press the PLASMA button, NANO PLASMA air purifying operates.
Each time the button ( ) is pressed, the fan speed mode is shifed.

2nd F Operation

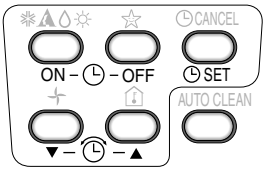


1 Press the Start/Stop button.
The unit will respond with beep sound.



2 Open the door of the Remote Controller and press the 2nd F button to operate functions printed in blue at bottom of buttons.
(Check the indication of 2nd function on Remote Controller display.)
These buttons operate the timer setting as follows:





3 2nd function goes off in a short time automatically or when the button is pressed again.

For more details refer to the functions in next page.

Additional features

Sleep Mode



1. Press the Sleep Mode Auto button to set the time you want the unit to turn off 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 Button while aiming at air conditioner.
3. Make sure the Sleep Mode Auto LED lights up.

To cancel the Sleep Mode, press the sleep Mode Auto button several times until the star (☆) disappears from the operation display.

NOTICE

The Sleep Mode will be operated at low fan speed (cooling) or medium fan speed (heat pump only) for quiet sleeping.

IN COOLING MODE: The temperature will automatically rise by 1°C over the next 30 minutes and by 2°C in 1 hour for comfortable sleeping.

Setting the Time

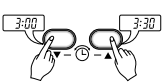
1. Time can be set only when you have pressed the Reset button. If you have just replaced the batteries, the Reset button should be pressed to reset the time.



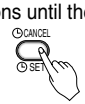
2. Press 2nd F button and check if 2nd F icon is on. 2ndF



3. Press the Time Setting buttons until the desired time is set.



4. Press the Timer SET button.

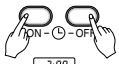


NOTICE

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

Delay Start/Pre-Set Stop

1. Make sure the time is set correctly on the Remote Controller display.
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. Press the selected on/off setting by pressing the Timer SET button while aiming the Remote Controller at the signal receptor. 

To cancel the setting the timer.



Press the Timer Cancel button while aiming Remote Controller at the signal receptor.
(The timer lamp on the air conditioner and the display will go out.)

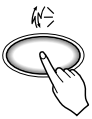


Delay off timer | Delay on timer | Delay off and on timer | Delay on and off timer

Vertical Airflow Direction Control (Optional)

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

1. Press the Start/Stop button to start the unit.
2. Press Chaos Swing button and the louvers will swing up and down.
   Press the Chaos Swing button again to set the vertical louver at the desired airflow direction.



NOTICE

- ❏ If you press the CHAOS swing button, the horizontal airflow 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 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.

Horizontal Airflow Direction Control (Optional)

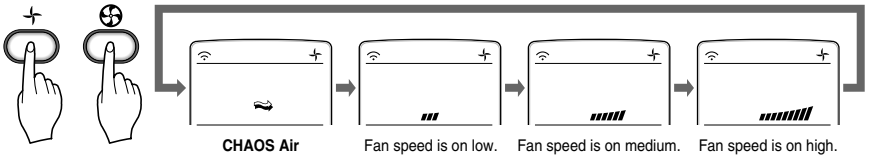
The left/right(Horizontal Airflow) can be adjusted by using the remote control.
Press the Start/Stop button to start the unit.
Open the door on the remote control. Press the Airflow Direction Start/Stop button and the louvers will swing left and right. Press the Horizontal Airflow Direction Control Button again to set the horizontal louver at the desired airflow direction.



Air Circulation Mode

Circulates the room air without cooling or heating.

1. Press the Start/Stop button. The unit will respond with a beep.
2. Open the door on the remote controller. Press the Air Circulation button. Close the door on the remote controller. Now each time that you press the Indoor Fan Speed Selector, the fan speed is shifted from low to CHAOS and back to low again.



NOTICE

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 Clean (Optional)

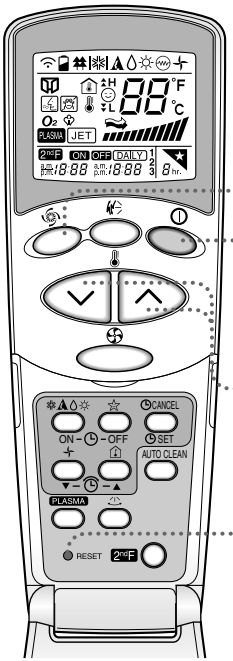


1. Whenever you press the Auto Clean button, Auto Clean Function will be reserved and cancelled.
2. Auto Clean function works before and after cooling or dehumidification mode. For details, refer to the below points.
3. When the unit is started after the reservation of Auto Clean ,the Cool Start function operates and indoor Fan is started after 20 seconds.
4. When you press Start/Stop button to turn off the unit after the you have reserved Auto Clean function, the air-conditioner circulates the indoor air in the Auto Clean mode with no more Cooling or Dehumidification operation. For Cooling only model, it lasts for 30 minutes for Heat pump model, for 16 minutes.
5. If you press the auto clean button again during the product operation , Auto Clean function will be cancelled.

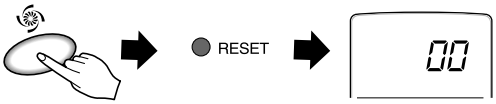
NOTICE

- ❑ During Auto Clean function, moistures left in indoor units after Cooling Operation or Healthy Dehumidification Operation can be removed.
- ❑ During Auto Clean function, only Start/Stop button, Plasma button and Auto Clean button are available.

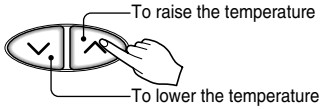
Setting the Central-Control Address



1 When RESET button is pressed once with JET COOL button held, '00' will be shown on the LCD DISPLAY and it'll enter into the address set mode.



2 Whenever you press the Temperature Increase(UP) button, the group address number also increases.(Left-digit)
And whenever you press the Temperature Decrease(DOWN) button, the indoor-unit address number also increases.(Right-digit) (Control scope of Group Address No. and Indoor-unit Address No. : 00~FF)



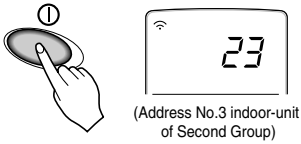


(00, ..., 90, A0, ..., F0)



(00, ..., 09, 0A, ..., 0F)

3 When you press the START/STOP button on your remote-controller directed toward the receiver of indoor-unit after setting address, the address would be set.



(Address No.3 indoor-unit of Second Group)

4 When you press RESET button after completing address setup, the address setup function will be cancelled.
In the state of cancellation, LCD display shows the initial standby mode.

NOTICE

❑ *You are recommended to follow below procedure to check indoor-unit address with remote-controller.*
Press RESET button once with the wind direction button( ) of remote-controller held. The LCD DISPLAY on remote-controller shows '88'. When you press START/STOP button on your remote-controller directed toward the receiver of indoor-unit at this time, the display LED of indoor-unit lights at the initial set address.

Maintenance and Service

Indoor Unit

Grille, Case and Remote Control

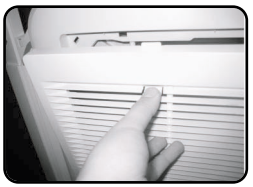
❒ Turn the system off before cleanining, To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTICE

Supply power must be disconnected before cleaning the indoor unit.

Air Filters

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



■ 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.



1 Remove the Air filters.

■ Take hold of the tab and pull slightly forward to remove the filter.

CAUTION: When the air filter is to be removed, do not touch the metal parts of the indoor unit.
It may cause an injury.

2 Clean dirt from the air filter using a vacuum cleaner or washing with water.

■ If dirt is conspicuous, wash with a neutral detergent in lukewarm water.

■ If hot water (50°C or more) is used, it may be deformed.

3 After washing with water, dry well in the shade.

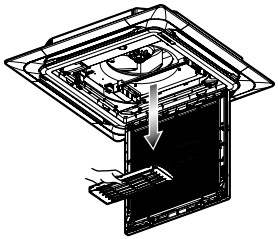
■ Do not expose the air filter to direct sunlight or heat from a fire when drying it.

4 Install the air filter.

Purifying filter(Optional)

Cleaning

The PLASMA filter behind the air filters should be checked and cleaned once every 3 months or more often if necessary.



1 After removing the air filters, pull slightly forward to remove the PLASMA filter.

2 Dip the PLASMA filter into the water mixed with neutral detergent, for 20~30 minutes.

3 Dry the PLASMA filter in the shade for a day (Especially, the humidity must be removed perfectly on this parts).

4 Note the cuts of electric discharge lines.

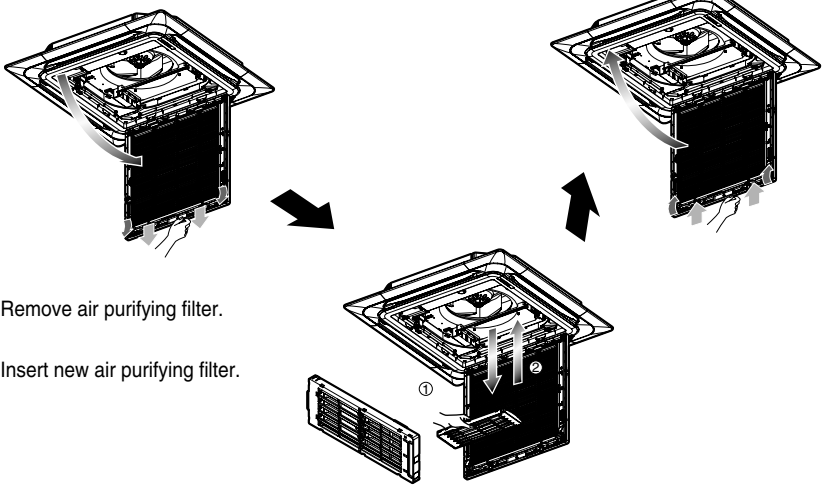
5 Re-install the PLASMA filter to the original position.

CAUTION:Don't touch this PLASMA Filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

Replacement

• Recomended use period : About 2 years

1 Open front panel and remove air filter.



2 Remove air purifying filter.

3 Insert new air purifying filter.

4 Reinsert air filter and close front panel.

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 electiric bill.

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

When the air conditioner is to be used again.

1. Clean the air filter and install it in the indoor unit.
   (Refer to page 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 malfunction persist, please contact your dealer.

Case	Explanation	See page
The air conditioner does not operate.	• Have you made a mistake in timer operation?	-
	• Has the fuse blown or has the circuit breaker been tripped?	-
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
Air conditioner does not operate for about 3 minutes when restart.	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	22
	• The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.	
	• Has the setting temperature been set incorrectly?	
	• Are the indoor unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit.	-
Crack sound is heard.	• This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes of temperature.	
Filter sign lamp (LED) is ON.	• Cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 sec.	
Remote control display is faint, or no display at all.	• Has the circuit breaker been tripped? • Are the batteries inserted in the opposite (+) and (-) directions?	-

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.



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