

OWNER'S MANUAL

AIR CONDITIONER

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

IMPORTANT

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

TYPE : ARTCOOL MIRROR

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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.

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

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

⚠ WARNING

Installation

Do not disassemble or repair the product.

- Contact your dealer and service center.

Do not handle the flammable gas or explosive materials near the product.

- Otherwise, it may cause fire or failure of product.

Do not install the product on a defected installation stand.

- Otherwise, It may cause injury or accident.

For installation, always contact the dealer or service center.

- Otherwise, it may cause fire, electric shock, explosion or injury.

For electric work, contact the dealer or service center.

- It will cause fire or electric shock.

Always install an circuit breaker and main breaker.

- No installation may cause fire and electric shock.

Always earth the product.

- It will cause fire or electric shock.

Do not install where flammable gas could leak.

- Otherwise, it may cause explosion or fire.

Be cautious when unpack and install the product.

- Sharp edges could cause injury.

Do not install the product on an defected installation stand.

- Otherwise, It may cause injury or accident.

Do not use damaged power cable.

- It will cause fire or electric shock.

Operation

Do not touch(operate) product with wet hands.

- Otherwise, it may cause fire or electric shock.

Do not put the heater, etc. near the power cable.

- Otherwise, it may cause fire and electric shock.

Ventilate well in using with a stove, etc.

- Otherwise, an oxygen shortage may occur.

Do not place heavy object on the power cable.

- Otherwise, it may cause fire or electric shock.

Cover the electric part.

- Otherwise, it may cause fire or electric shock.

Do not open the suction inlet of the product during operation.

- Otherwise, it may cause electric shock or failure.

Be cautious that children could not step on the product.

- Otherwise, children may be seriously injured.

Take care to ensure that water could not enter into the product.

- Otherwise, it may cause fire or electric shock.

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

- Otherwise, it may cause electric shock or fire.

Do not put water into electric part.

- Otherwise, it may cause fire or failure of product, and electric shock.

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

- Otherwise, it may cause failure of product or fire.

When the product is flooded, contact the service center.

- Otherwise, it may cause fire or electric shock.

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

- Otherwise, it may cause fire or electric shock.

Do not touch the metal parts of the product when removing the air filter.

- Otherwise, it may cause personal injury.

Do not step or put anything on the product.

- Otherwise, it may cause personal injury and failure of product.



Installation

Always inspect gas leakage after installation and repair of product.

- Otherwise, it may cause failure of product.

Do not carry the product by oneself.

- Otherwise it may harm to your health.

Install the drain hose to ensure that drain can be securely done.

- Otherwise, it may cause water leakage.

Keep the level even in installing the product.

- Otherwise, it may cause vibration or water leakage.

Install the product so that noise or hot wind from the outdoor unit. May not give any damage to the neighborhoods.

- Otherwise, it may cause dispute with the neighborhoods.

Operation

Do not expose your skin directly to cool air for a long time.

- Otherwise, it may harm to your health.

Turn the main power off when cleaning the product.

- Otherwise, it may cause fire and electric shock.

Do not use the product for special purpose to preserve animals, vegetables, precision device, or art objects, etc.

- Otherwise, it may cause loss of property.

Do not place obstacles around the flow inlet or outlet.

- Otherwise, it may cause failure of product.

Use a soft cloth to clean, Do not use wax, tinner or a strong detergent, etc.

- Otherwise, it may change the appearance of the product.

Do not insert your hand or bars, etc. into the air inlet/outlet.

- Otherwise, it may cause personal injury.

Do not operate the product for a long time in high humidity, and leave a door or window open.

- Otherwise, water may drop and wet or damage furniture, etc.

Replace the 2 batteries with new ones of same type.

If liquid from the batteries gets onto your skin or clothes, wash it well with clean water.

- Otherwise it may harm to your health.

When flammable gas leakages from the product, open the window for ventilation.

- Otherwise, it may cause explosion or fire.

Do not put a pet or houseplant where it will be exposed to direct air flow.

- This could injure the pet or plant.

Stop operation and close the window in storm or hurricane.

- Otherwise, it may cause failure of product or electric shock.

Always insert the filter securely. Clean it once every two weeks.

- Otherwise, it may cause failure of the product.

Do not drink water drained from the product.

- Otherwise, it may harm to your health.

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

- Otherwise, it may cause suffocation due to poor oxygen.

Do not step onto an unstable bench when maintaining the product, etc.

- Otherwise, it may cause personal injury.

Do not charge or disassemble the batteries and do not throw them into a fire.

- Otherwise, it may cause fire or an explosion.

Use a rated fuse.

- Otherwise, It will cause fire or electric shock.

Prior to operation

Preparing for operation

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

Usage

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

Cleaning and maintenance

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

Service

For repair and maintenance, contact your authorized service dealer.

Symbols Used in this Manual



This symbol alerts you to the risk of electric shock.



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

NOTICE

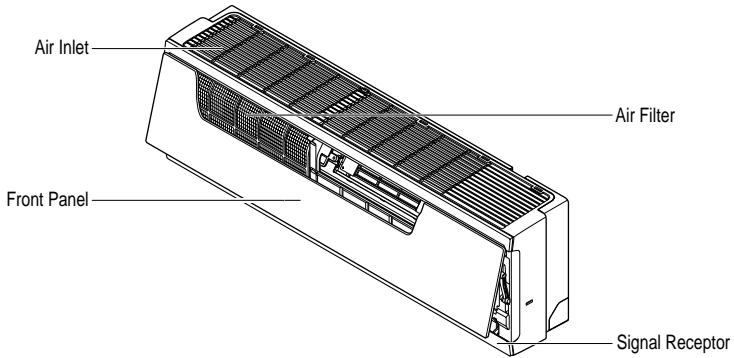
This symbol indicates special notes.

Features

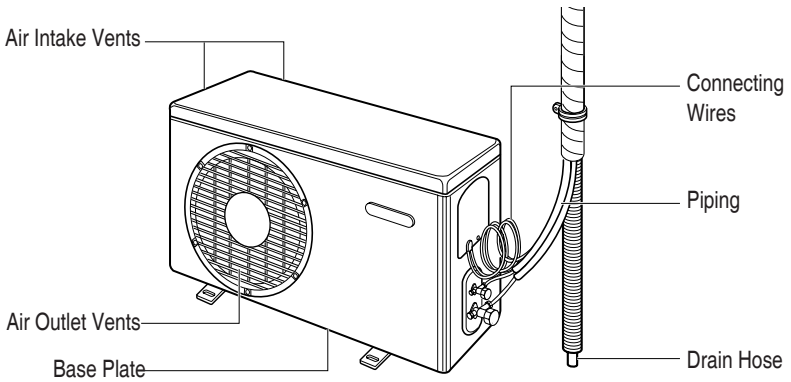
⚠ WARNING

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

Indoor



Outdoor



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 UL-listed 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.

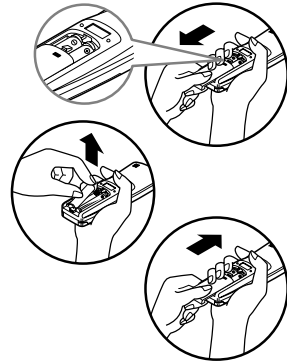
Temporary Use of an Extension Cord

We strongly discourage the use of an extension cord due to potential safety hazards. For temporary situations, use only CSA certified and UL listed 3-wire grounded extension cords, rated 15 A, 125 V.

Operating Instructions

Remote Controller

- 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.

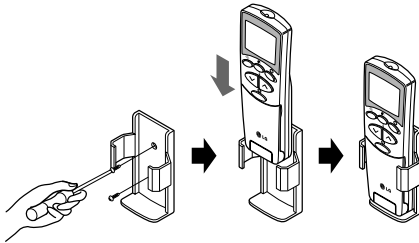


NOTICE

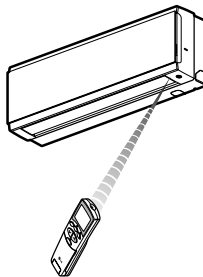
- Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.

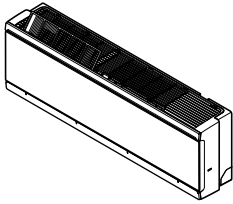
Storage and Tips For Using the Remote Controller

- The referring to the following picture, fix the remote controller holder onto the wall using screws.



- To operate the room air conditioner, aim the Remote Controller to the signal receptor.

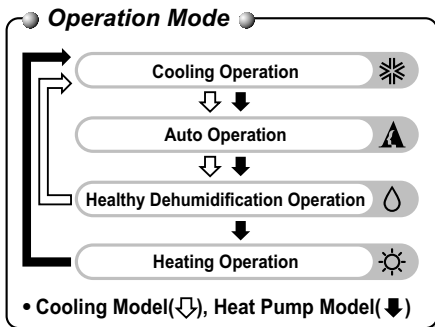
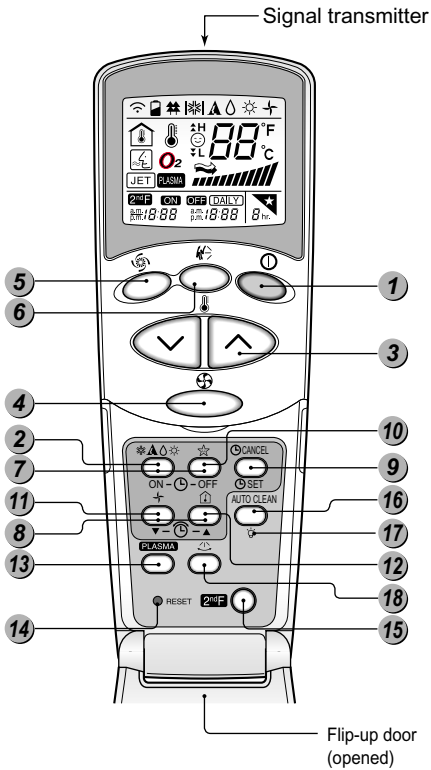




- ① **On/Off** : Lights up during the system operation.
- ☆ **Sleep Mode** : Lights up during Sleep Mode Auto operation.
- ⌚ **Timer** : Lights up during Timer operation.
- ❄️ **Defrost Mode** : Lights up during Defrost Mode or Hot Start operation.(Heat pump model only)
- 🌫️ (🌫️) **Plasma** : Lights up during Plasma operation. (Optional)
- 📺 **Desire temperature indicator** : For cooling,dehumidification,heating modes it display desired temperature
 - Cooling : 18~30°C
 - Dehumidification : 18~30°C
 - Heating : 16~30°C
 - AI : Auto Operation
 - Po : Jet Cool
 - Lo : Test Mode

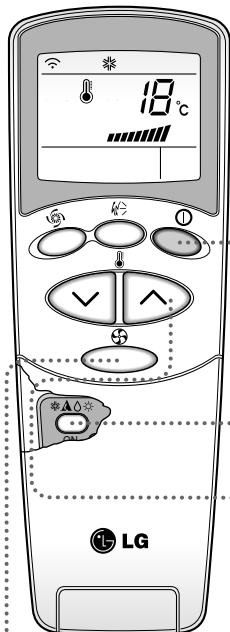
Remote Control Operation

The Remote Controller transmits the signals to the system.



- 1 START/STOP BUTTON**
Operation starts when this button is pressed and stops when the button is pressed again.
- 2 OPERATION MODE SELECTION BUTTON**
Used to select the operation mode.
- 3 ROOM TEMPERATURE SETTING BUTTONS**
Used to select the room temperature.
- 4 INDOOR FAN SPEED SELECTOR**
Used to select fan speed in four steps low, medium, high and CHAOS.
- 5 JET COOL**
Used to start or stop the speed cooling/heating. (Speed cooling/heating operates super high fan speed.)
- 6 CHAOS SWING BUTTON**
Used to stop or start louver movement and set the desired up/down airflow direction.
- 7 ON/OFF TIMER BUTTONS**
Used to set the time of starting and stopping operation.
- 8 TIME SETTING BUTTONS**
Used to adjust the time.
- 9 TIMER SET/CANCEL BUTTON**
Used to set the timer when the desired time is obtained and to cancel the Timer operation.
- 10 SLEEP MODE AUTO BUTTON**
Used to set Sleep Mode Auto operation.
- 11 AIR CIRCULATION BUTTON**
Used to circulate the room air without cooling or heating.
- 12 ROOM TEMPERATURE CHECKING BUTTON**
Used to check the room temperature.
- 13 PLASMA (Optional)**
Used to start or stop the plasma-purification function.
- 14 RESET BUTTON**
Initialize remote controller.
- 15 2nd F Button**
Used prior to using modes printed in blue at the bottom of buttons.
- 16 AUTO CLEAN**
Used to set Auto Clean mode.
- 17 LED LUMINOSITY**
Used to control the luminosity of the display on unit
- 18 HORIZONTAL AIRFLOW DIRECTION CONTROL BUTTON (NOT ON ALL MODELS)**
Used to set the desired horizontal airflow direction.

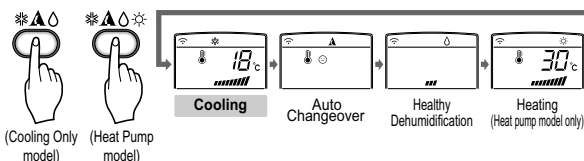
Cooling Operation



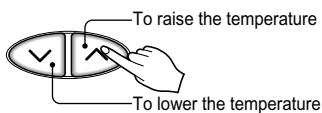
- 1** Press the Start/Stop button.
The unit will respond with beep sound.



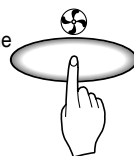
- 2** Open the door on the Remote Controller. To select **Cooling Operation**, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



- 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.



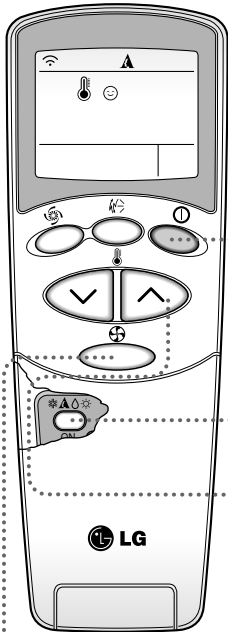
- 4** You can select the fan speed in four steps—low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



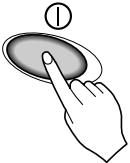
Natural wind by the CHAOS logic

- 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.

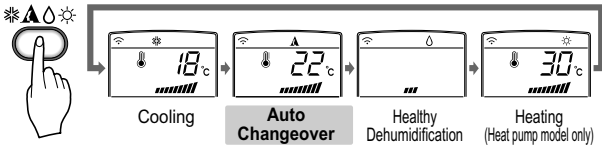
▲ Auto changeover operation



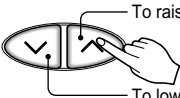
1 Press the Start/Stop button. The unit will respond with a beep.



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.



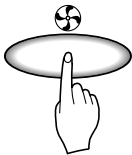
3 Close the door of the remote controller. Set the temperature lower than the room temperature. The temperature can be set within a range of 18°C~30°C at intervals of 1°C.



To raise the temperature

To lower the temperature

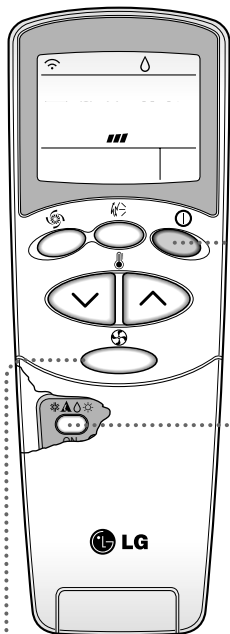
4 Set the fan speed again with the door of the remote controller still closed. You can select the fan speed in four steps-low, medium, high and CHAOS. Each time the button is pressed, the fan speed mode is shifted.



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



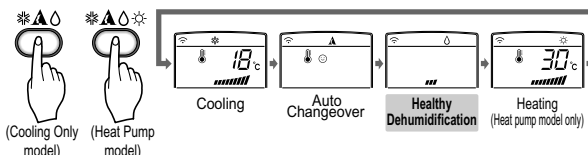
Healthy Dehumidification Operation



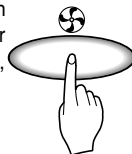
- 1 Press the Start/Stop button. The unit will respond with beep sound.



- 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:

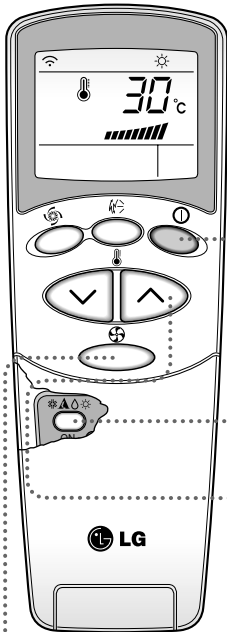
- ❑ If you select the dehumidification mode on the operation selection button, the A/C starts to run the dehumidification function, automatically setting the room temp. and air volume to the best condition for dehumidification based on the sensed room temp.

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

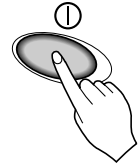
- ❑ During the healthy dehumidification function, the air volume is automatically set according to the algorithm responding to the current room temp. and makes the room condition healthy and comfortable even in the high humidity season.



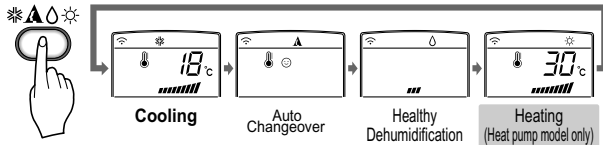
Heating Operation(Heat pump model only)



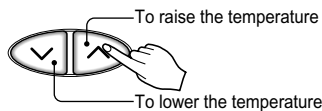
- 1** Press the Start/Stop button.
The unit will respond with beep sound.



- 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.

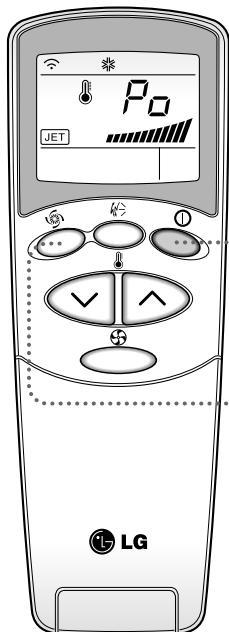


NATURAL WIND BY THE CHAOS LOGIC

- 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



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



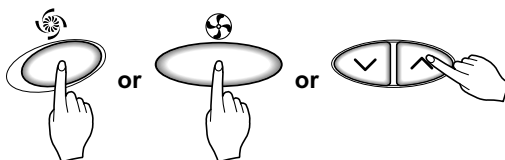
2

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

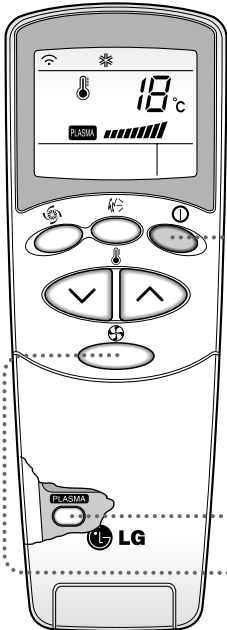


NOTICE

- ❑ 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.

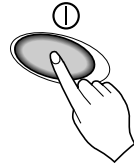


NEO PLASMA Purification Operation (Optional)



1

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



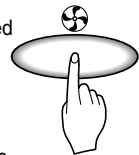
2

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.



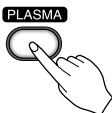
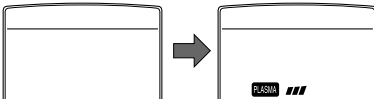
3

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.



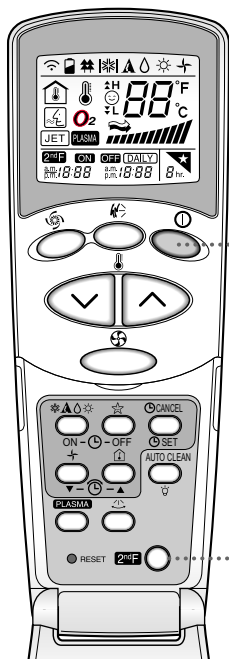
* Air purifying operation (PLASMA) is available in Heating or any other operations.

PLASMA Air Purifying Operation only (Optional)



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

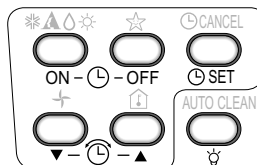
2ndF 2nd F Operation



- 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 functions 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.



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

1. 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.

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.

Press the Start/Stop button.



2. Press 2nd F button

and check if 2nd F icon is on.



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.

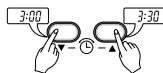
2. Press 2nd F button.



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.)



NOTICE Select one of the following four types of operation.

with the unit running



Delay OFF Timer



Delay ON Timer



Delay OFF and ON Timer



Delay ON and OFF Timer



Vertical Airflow Direction Control

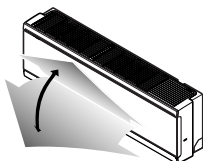
(Vertical Airflow) can be adjusted by using the Remote Controller.

Press the Start/Stop button to start the unit.

Open the door on the Remote Controller.

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 most 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.

Press Chaos Swing button and the louvers will swing.



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



Horizontal Airflow Direction Control

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

1. Press the Start/Stop button to start the unit.
2. 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.

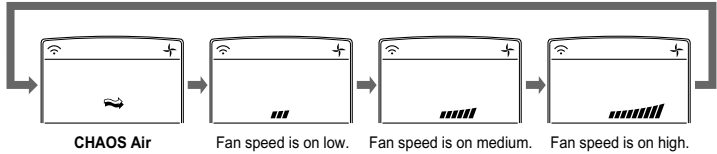
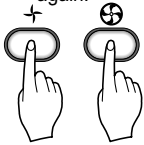




Air Circulation Mode

Circulates the room air without cooling or heating.

1. Press the Start/Stop button. The unit will respond with beep sound.
2. Open the door on the Remote Controller. Press the Air Circulation button. 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

AUTO CLEAN



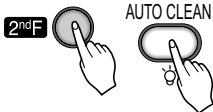
1. Press the Start/Stop button to Start the unit.
2. Open the door on the Remote Controller
Select Cooling Operation or Healthy Dehumidification Operation.
3. Press the Auto clean button.
4. Although the Start/Stop button is pressed, unit operates in Auto clean Mode for 15 minutes - operates in heating operation Mode for 1 minute and circulates the room air without cooling and heating for 14 minutes. And then unit stops operating.

NOTE:

- ❑ 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.



Display Luminosity

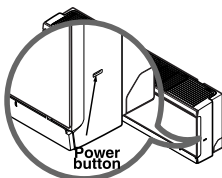


- The Display Luminosity of the unit can be adjusted by using the Remote Controller.
Press the start/stop button to start the unit. Open the door on the Remote Controller, press the 2nd F button and, press display luminosity button. Display will be dark. Press the button again to set bright display.



Forced Operation

The operation will be started 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. $\geq 24^{\circ}\text{C}$	$21^{\circ}\text{C} \leq$ 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



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.



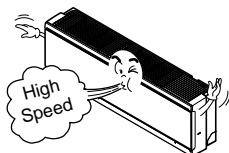
In case of absence for a long time while power failure, turn off main power to avoid undesired Auto restart.

Helpful information

Fan speed and cooling capacity.

The cooling/heating 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/heat the room quickly.



Maintenance and Service

Grille, Case, and Remote Control

❑ Turn the system off before cleaning.

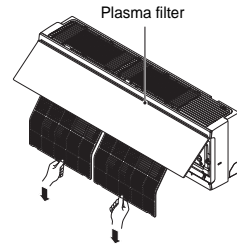
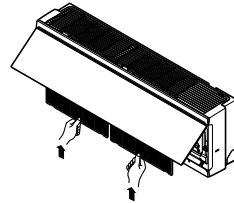
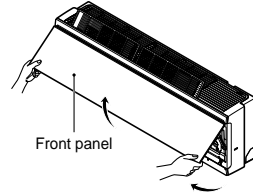
To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

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 in every 2 weeks or more often if necessary.

1. Open the front panel as shown.
2. Then pull the filter tab slightly forward to remove the air filter.
3. 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.
4. After washing with water, dry well in the shade.
5. Re-install the air filter.



NEO PLASMA FILTER (Optional)

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

1. After removing the air filters, pull slightly forward to remove the NEO PLASMA filter.
2. Remove dust with vacuum cleaner or air. (You should not try to wash with water).
3. Note the cuts of electric discharge lines.
4. Re-install the NEO PLASMA filter to the original position.

CAUTION

❑ 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.



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



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

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

- 1 Operate the air conditioner on Air circulation mode (Refer to page 21) for 2 to 3 hours.
 - This will dry out the internal mechanisms.
- 2 Turn off the circuit breaker, and disconnect the power cable.



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

Dirt may collect and may cause a fire.

- 3 Remove the batteries from the Remote Controller.

When the air conditioner is to be used again.

- 1 Clean the air filter and install it in the indoor unit.
(Refer to page 23 for cleaning filters.)
- 2 Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

Operation Tips

Do not overcool the room.

This is not good for the health and wastes electricity.

Make sure that the doors and windows are shut tight.

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

Keep blinds or curtains closed.

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

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.

Keep the room temperature uniform.

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

Ventilate the room occasionally.

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

Troubleshooting

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

Case	Explanation	See page
The air conditioner does not operate.	• Check room temperature setting?	12,15
	• Check if circuit breaker is on?	-
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Check the drain hose is connected tight or if indoor unit is installed even.	-
Air conditioner does not operate for about 3 minutes after turning on.	<ul style="list-style-type: none"> • 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.	• Is the air filter dirty? See air filter cleaning instructions.	23
	• Has the temperature been set correctly?	12,15
	• 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. <ul style="list-style-type: none"> -This is the sound of refrigerant flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. <ul style="list-style-type: none"> -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? 	9
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-

