website http://www.lgservice.com
e-mail http://www.lgeservice.com/techsup.html

LG

LG Convertible-Type Air Conditioner

OWNER'S MANUAL

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

ENGLISH
ITALIANO
ESPAÑOL
FRANÇAIS
DEUTSCH

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.

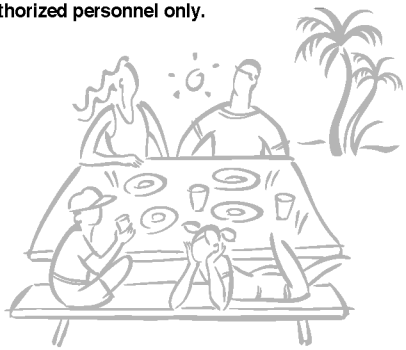
READ THIS MANUAL

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 to properties only.

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

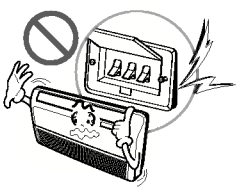
⃠	**Be sure not to do.**
❗	**Be sure to follow the instruction.**

⚠WARNING

■ Installation

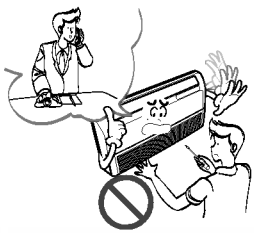
Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is risk of fire or electric shock.



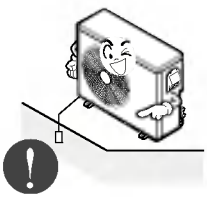
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- Do not disassemble or repair the product. There is risk of fire or electric shock.



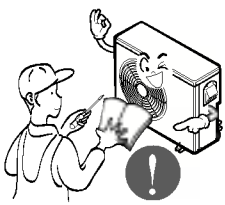
Always ground the product.

- 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.

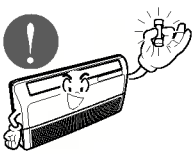


Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock

Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.



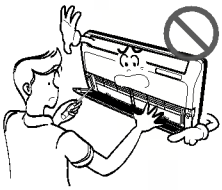
ENGLISH

Do not modify or extend the power cable.

- There is risk of fire or electric shock.

Do not install, remove, or re-install the unit by yourself (customer).

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

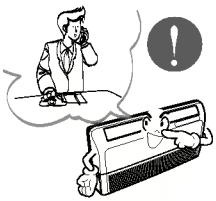


Be cautious when unpacking and installing the product.

- Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.

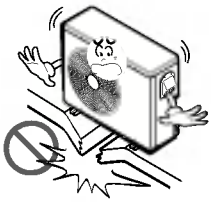
For installation, always contact the dealer or an Authorized Service Center.

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



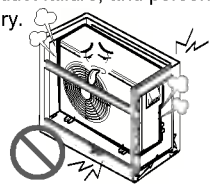
Do not install the product on a defective installation stand.

- It may cause injury, accident, or damage to the product.



Be sure the installation area does not deteriorate with age.

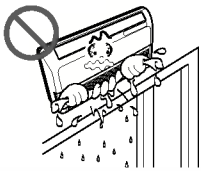
- If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.



■ Operation

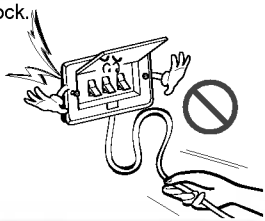
Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

- Moisture may condense and wet or damage furniture.



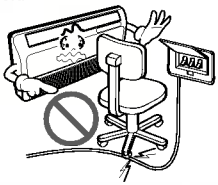
Take care to ensure that power cable could not be pulled out or damaged during operation.

- There is risk of fire or electric shock.



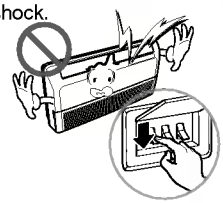
Do not place anything on the power cable.

- There is risk of fire or electric shock.



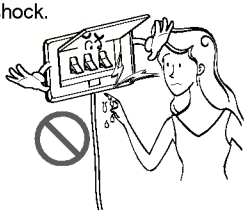
Do not plug or unplug the power supply plug during operation.

- There is risk of fire or electric shock.



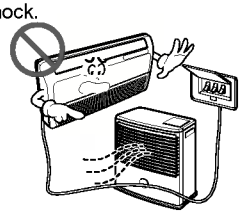
Do not touch(operate) the product with wet hands.

- There is risk of fire or electrical shock.



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

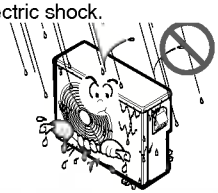
- There is risk of fire and electric shock.



ENGLISH

Do not allow water to run into electric parts.

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

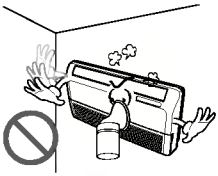


Do not store or use flammable gas or combustibles near the product.

- There is risk of fire or failure of product.

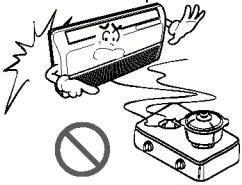
Do not use the product in a tightly closed space for a long time.

- Oxygen deficiency could occur.



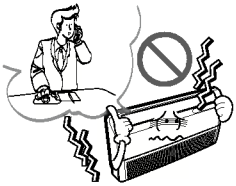
When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on.

- Do not use the telephone or turn switches on or off.
  There is risk of explosion or fire



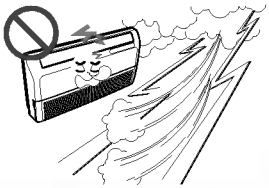
If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

- There is risk of electric shock or fire.



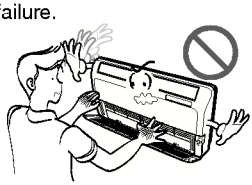
Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.

- There is risk of property damage, failure of product, or electric shock.



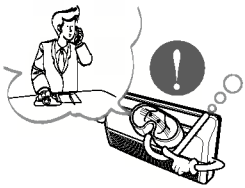
Do not open the inlet grill of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)

- There is risk of physical injury, electric shock, or product failure.



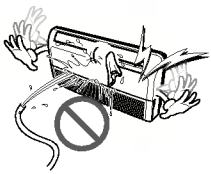
When the product is soaked (flooded or submerged), contact an Authorized Service Center.

- There is risk of fire or electric shock.



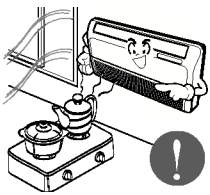
Be cautious that water could not enter the product.

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



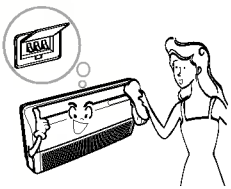
Ventilate the product from time to time when operating it together with a stove, etc.

- There is risk of fire or electric shock.



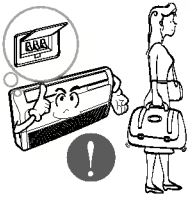
Turn the main power off when cleaning or maintaining the product.

- There is risk of electric shock.



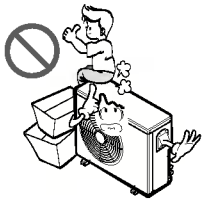
When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.

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



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

- This could result in personal injury and product damage.

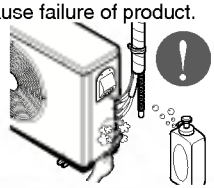


⚠CAUTION

■ Installation

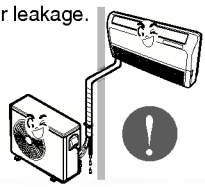
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



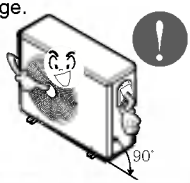
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



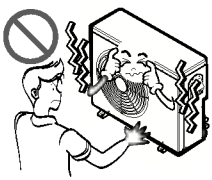
Keep level even when installing the product.

- To avoid vibration or water leakage.



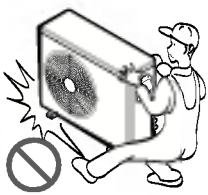
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

- It may cause a problem for your neighbors.



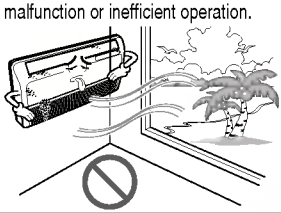
Use two or more people to lift and transport the product.

- Avoid personal injury.



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

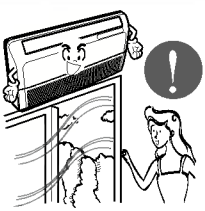
- It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



■ Operation

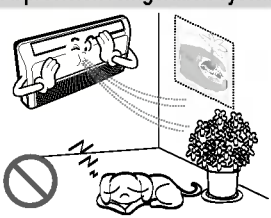
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm to your health.



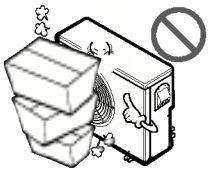
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- 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, etc.

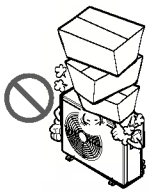
- There is risk of fire, electric shock, or damage to the plastic parts of the product.

Do not touch the metal parts of the product when removing the air filter. They are very sharp!

- There is risk of personal injury.

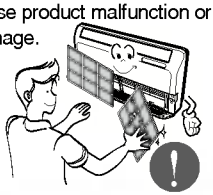
Do not step on or put anyting on the product. (outdoor units)

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



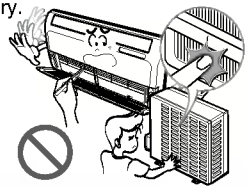
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

- A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.



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

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



Do not drink the water drained from the product.

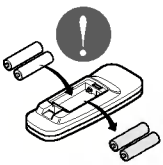
- It is not sanitary and could cause serious health issues.

Use a firm stool or ladder when cleaning or maintaining the product.

- Be careful and avoid personal injury.

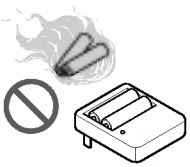
Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

- There is risk of fire or explosion



Do not recharge or disassemble the batteries. Do not dispose of 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.

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

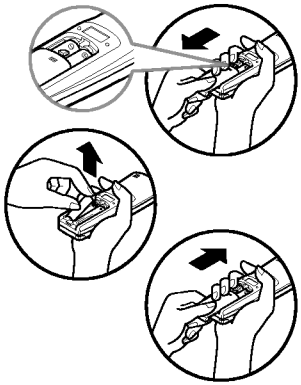
This symbol indicates special notes.

Operating Instructions

Remote Controller

ENGLISH

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.

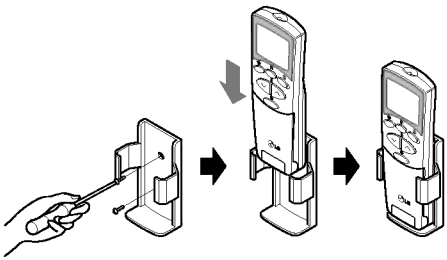


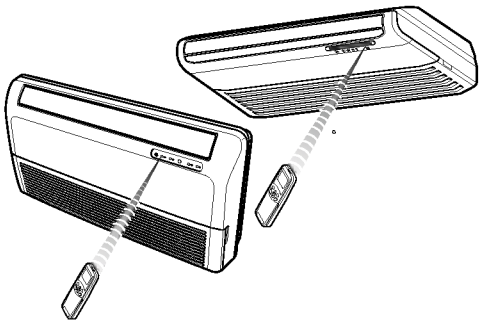
NOTICE

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

Storage and Tips For Using the Remote Controller

- The remote controller may be stored by mounting it on a wall.
- To operate the room air conditioner, aim the Remote Controller to the signal receptor.



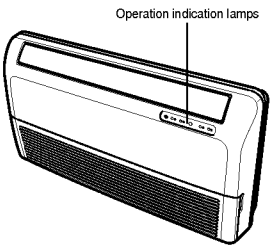


Signal Receptor

Receives the signals from the remote controller.(Signal receiving sound: two short beeps or one long beep.)

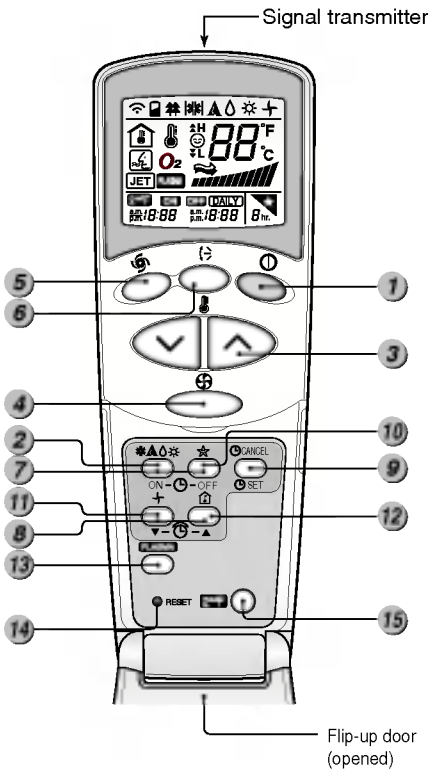
Operation Indication Lamps

	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 model only)
	Outdoor unit operation	: Lights up during outdoor unit operation. (Cooling model only)



Remote Control Operation

The Remote Controller transmits the signals to the system.



Operation Mode

- Cooling Operation
- Auto Operation
- Healthy Dehumidification Operation
- Heating Operation

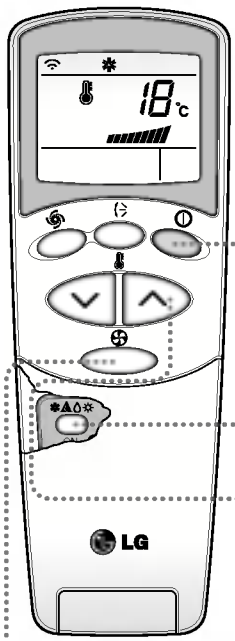
• Cooling Model(⇩), Heat Pump Model(⬇)

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.
   (Heat Pump) (Cooling Only)
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.

※ For the convertible type of air conditional, jet cool mode does not operate.

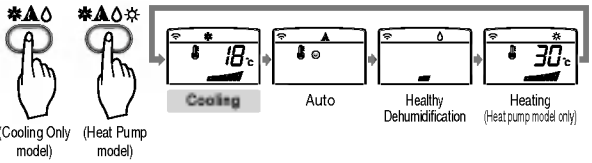
ENGLISH

Cooling Operation

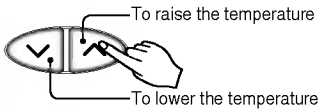


1 Press the Start/Stop button.
The unit will respond with beep sound.

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.

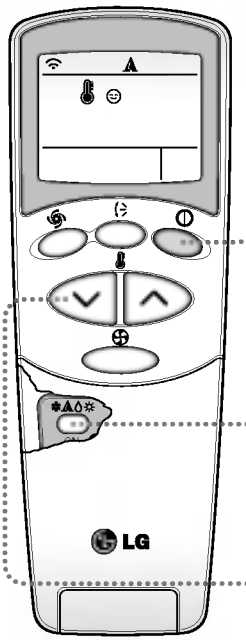


4 You can select the fan speed in four steps- low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.

Natural wind by the CHAOS logic

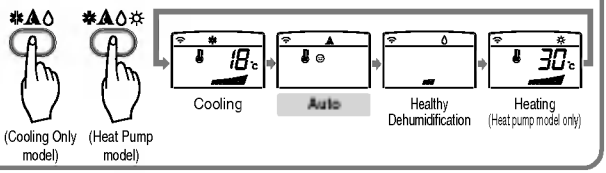
❑ For more fresh feeling, press the Indoor Fan Speed Selector and set CHAOS mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the CHAOS logic.

Auto Operation

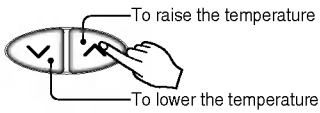


1 Press the Start/Stop button.
The unit will respond with beep sound.

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.

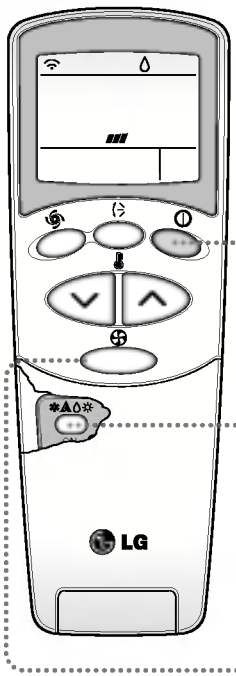


DURING AUTO OPERATION:

- ❑ 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.

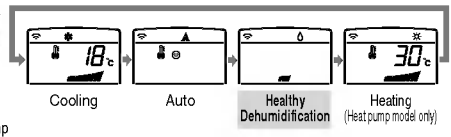
ENGLISH

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.

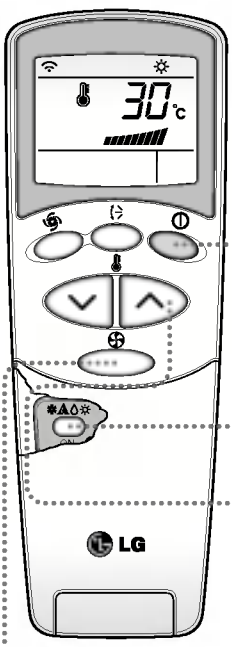
DURING HEALTHY DEHUMIDIFICATION OPERATION:

❑ 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.

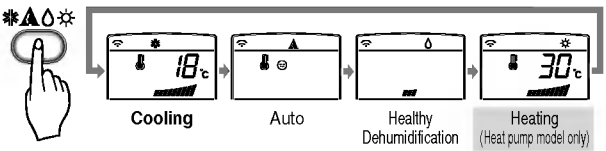
❑ During the healthy dehumidification function, the air volume is automatically set according to the algorithm responding to the current room temp. and makes the room condition healthy and comfortable even in the high humidity season.

Heating Operation(Heat pump model only)

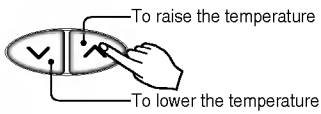


1 Press the Start/Stop button. The unit will respond with beep sound.

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.

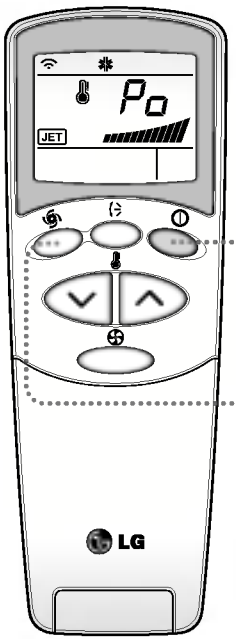


4 Set the fan speed again. You can select the fan speed in four steps–low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.

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.

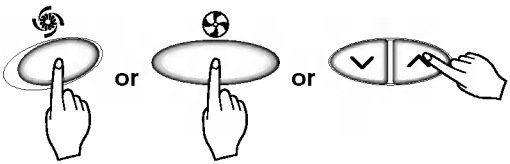
Jet Cool



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.

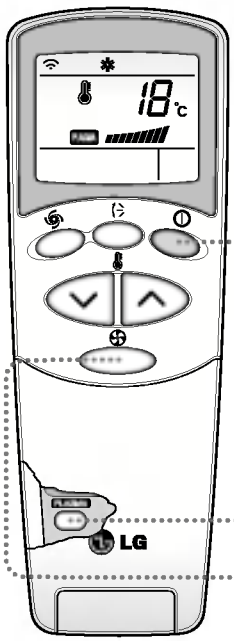
3 To cancel the **Jet Cool** mode, press the **Jet Cool** button or the fan button or the room temperature setting button again and the unit will operate in high fan speed in cooling mode.



NOTICE

- ❑ *During the JET COOL function at any moment, the A/C starts to blow the cool air at extremely high speed 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.*

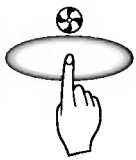
NANO PLASMA Purification Operation(Optional)



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

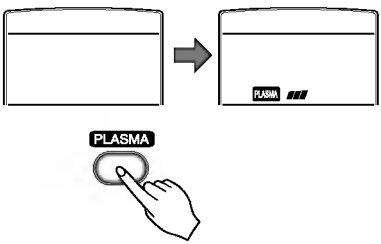
2 Open the door on the Remote Controller. Press the PLASMA air purifying operation ON/OFF button. Operation will start when the button is pressed and stop when the button is pressed again.

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.

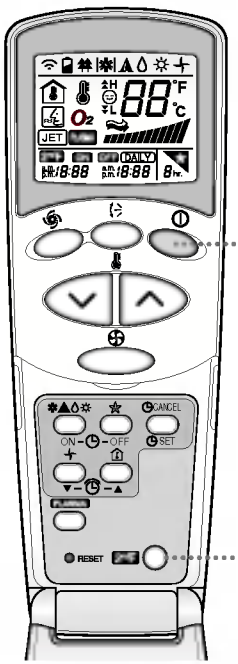
PLASMA Air Purifying Operation only



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

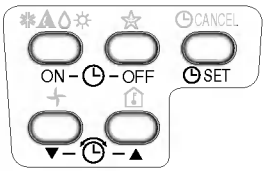
ENGLISH

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.

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.

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.
   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

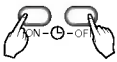
: Check the indicator for A.M. and P.M.

Delay Start/Pre-Set Stop

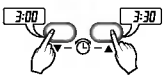
1. Make sure the time is set correctly on the Remote Controller display.

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

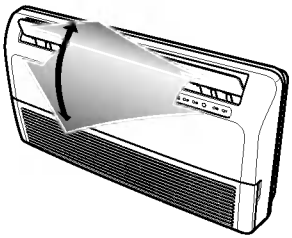
Delay ON Timer

Delay OFF and ON Timer

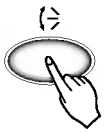
Delay ON and OFF Timer

Vertical Airflow Direction Control

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. Open the door on the Remote Controller.
3. Press Chaos Swing button and the louvers will swing up and down.
4. Press the Chaos Swing button again to set the vertical louver at the desired airflow direction.



NOTICE

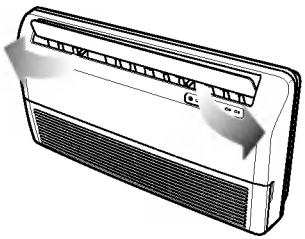
- ❑ If you press the CHAOS swing button, the horizontal airflow direction is changed automatically based on the CHAOS algorithm to distribute the air in the room evenly and at the same time to make the human body feel most comfortable, as if enjoying a natural breeze.
- ❑ Always use the Remote Controller 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.

To adjust left/right(Horizontal Airflow) direction

Adjust the left/right airflow direction by hand.

⚠WARNING

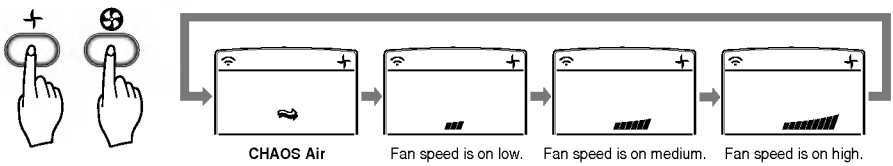
: While adjusting vertical airflow direction louvers, be careful not to touch the evaporator.



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.

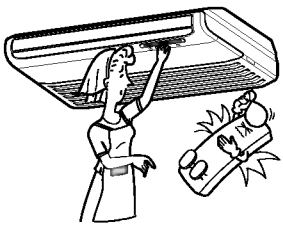


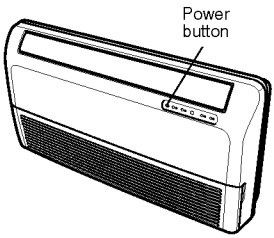
NOTICE

- ❑ **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.

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. ≥ 24°C	21°C ≤ Room Temp. < 24°C	Room Temp. < 21°C
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	22°C	22°C	Air Intake Temperature	24°C

WHEN THE FRONT GRILLE IS OPENED:

- ❑ Once the front grille is opened for cleaning of the air filters or other reasons, the unit automatically stops operation for safety: In some 60 Hz models (for cooling only), all memorized functions such as operation mode, room temperature setting, operation start & stop by timer setting, etc. shall be erased.
- ❑ To restart the unit, close the front grille and press the Start/Stop button on the remote controller. If necessary, please reset the reservation functions like operation start & stop and room temperature setting.

Auto restart

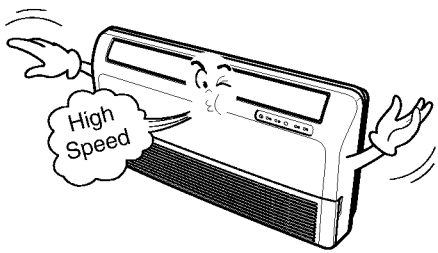
In case the power comes on again after a power failure, the unit operates automatically to the previous operating conditions.
So there is no need of activating this function by pressing any key or button.
In the initial mode, the fan operates at a low speed and the compressor starts about 3 minutes later.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

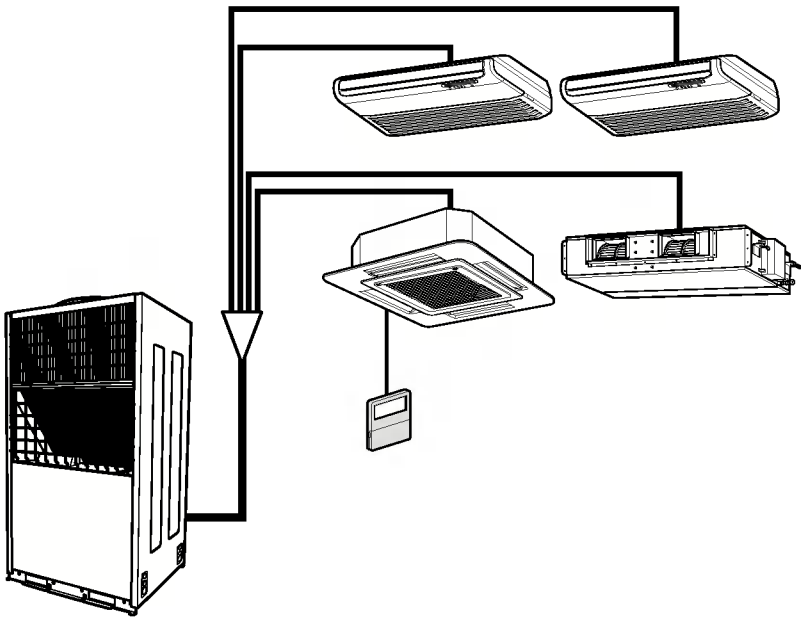
Helpful information

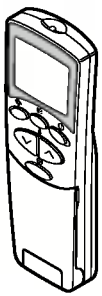
Fan speed and cooling capacity.
The cooling capacity indicated in the specification is the value when the fan speed is set to high, and the capacity will be lower at low or medium fan speed.
High fan speed is recommended when you wish to cool the room quickly.



How to operate Multi Indoor Unit (Simultaneous operating)

- Keep the following procedure when simultaneously operating two units or more cassette type, duct type, and convertible type of indoor units via the free joint.





1. Turn on the power of the unit by the installed remote controller, a wire or a wireless remote controller. When an installation professional installs it, only one wire remote controller is installed except the location with only the Convertible combination installed (using the wireless remote controller) when completing the indoor unit setting (Cassette ceiling top/bottom, Duct E.S.P. value).

2. After setting the desired operation mode and temperature and then starting the unit to operate, wait for 2 or 3 seconds.

3. The remaining unites simultaneously starts with the same setting mode to operate.

4. If you want to stop operating, the remaining units are operated to stop in 2 or 3 seconds by the installed remote controller. (However, the location with only the Convertible combination is operated by the wireless remote controller.)

5. For more information about how to operate the remote controller, refer to the previous pages.

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.

NOTICE

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

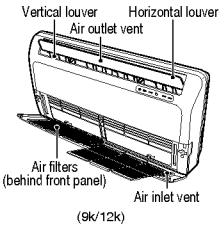
❑ Never use any of the followings:

- Water hotter than 40°C. Could cause deformation and/or discoloration.
- Volatile substances
  Could damage the surfaces of the air conditioner.

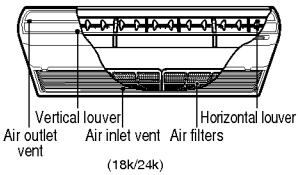
AIR FILTERS

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

1. Lift the front access panel and pull the filter tab slightly forward to remove the filter.
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.



(9k/12k)

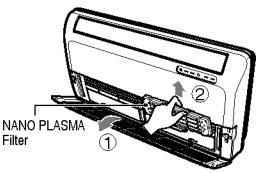


(18k/24k)

NANO PLASMA FILTER(OPTIONAL)

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

1. After opening the front grille, pull slightly forward to remove the NANO 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 NANO PLASMA filter to the original position.



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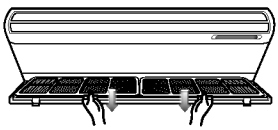
(18k/24k)

⚠WARNING

: 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 19) for 2 to 3 hours.
   • This will dry out the internal mechanisms.
2. Turn off the circuit breaker, and disconnect the power cable.

⚠WARNING

: 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 22 for cleaning filters.)
2. Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

ENGLISH

Operation Tips

Do not overcool the room.	Keep blinds or curtains closed.	Keep the room temperature uniform.
This is not good for the health and wastes electricity.	Do not let direct sunshine enter the room when the air conditioner is in operation.	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.	**Clean the air filter regularly.**	**Ventilate the room occasionally.**
Avoid opening doors and windows if possible to keep the cool air in the room.	Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.	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?	18
	• 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.	• 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 frequenty on/off.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	22
	• Has the temperature been set correctly?	11, 14
	• 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 refrigerant 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.	-
Remote Controller display is faint, or no display at all.	• 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.	-