LG
Multi Type Air Conditioner
OWNER'S MANUAL

Please read through this manual. It contains valuable information about your air conditioner. This manual may help save time and money by explaining proper product maintenance and preventing improper use.

Pay close attention to precautions in order to prevent potential hazards and damage from misuse or improper installation. LG is not responsible for any damages caused by misuse of the product.

OPERATING TEMPERATURE(°C)

COOLING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
32°C	21°C	43°C	21°C
HEATING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
27°C	20°C	24°C	1°C

Prior to installation, t -conditioning unit must be subm or approval by the utility service p rovides electricity (EN 61000)

a. Preparation before operation
b. Remote Control Features
c. Operation Mode Selection
d. Additional features

or 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

ead 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.



CAUTION

- 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.
- Installation work must be performed in accordance with the national wiring standards by authorized personnel only.

To prevent injury and property damage, follow these instructions.

■ Incorrect operation due to ignoring instructions will cause harm or damage, the seriousness of which is indicated by the following symbols.

⚠	**WARNING** This symbol shows the possibility of death or serious injury.
⚠	**CAUTION** This symbol indicates the possibility of injury or damage to property.

⊘	***Never Do This***
❗	***Always Do This***

■ The following items are classified by these symbols.

⚠ WARNING



- Otherwise, it will cause electric shock or fire due to heat generation or electric shock.



- It will cause electric shock or fire due to heat generation.



- It will cause electric shock or fire.
- In the supply cord is damaged, it mut be replaced by the manufacturer or its service agent or a similarly quallfied person in order to avoid a hazard.



- It will cause electric shock or fire due to heat generation.



- It may cause electric shock.



- This could damage your health.



- No grounding may cause electric shock (See Installation Manual).



- It may cause failure of machine or electric shock.



- No installation may cause fire and electric shock accident.



- It may cause fire and electric shock accident.



- It may cause fire and electric shock.



- It may cause electric shock.



- It may cause fire.



- It may cause fire and electric shock.



- It may cause an explosion or fire.

⚠ CAUTION

- 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 infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.

⚠ CAUTION



- It may cause an injury.
- Should be disconnected from supply



- Water may enter the unit and degrade the insulation. It may cause an electric shock.



- An oxygen shortage may occur.



- Since the fan rotates at high speed during operation, it may cause an injury.



- This could injure the pet or plant.



- The unit may drop or fall down and cause an injury.



- It may cause a fire or deformation of the cabinet.



- It may affect combustion.



- It may cause an injury through dropping or falling down.



- It will cause an injury by the rotating blower.



- If not, dirt may collect and cause a fire.



- It may cause an injury, etc. by falling down.

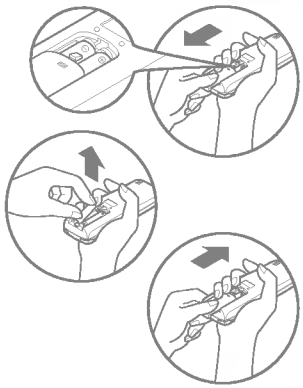


- Do not use this air conditioner to preserve precision devices, food, animal, plants, and art objects.
  It may cause deterioration of quality, etc.



- In the cooling mode, if it is operated in a room with high humidity (80%RH or more) for a long time, water condensed in the air conditioner may drop and may wet and spoil furniture, etc.

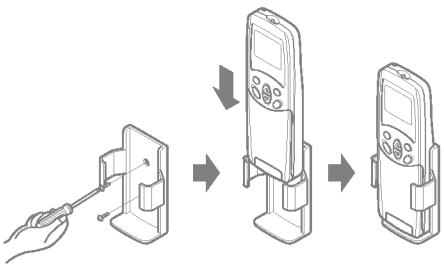
- Remove the battery cover by pulling it according to the arrow direction.
- Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
- Reattach the cover by sliding it back into position.



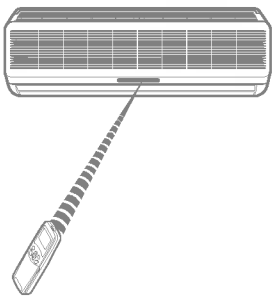
NOTES:

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

- The remote control may be stored mounted on a wall.



- To operate the room air conditioner, aim the remote control at the signal receptor.

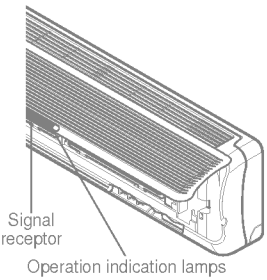


Signal Receptor

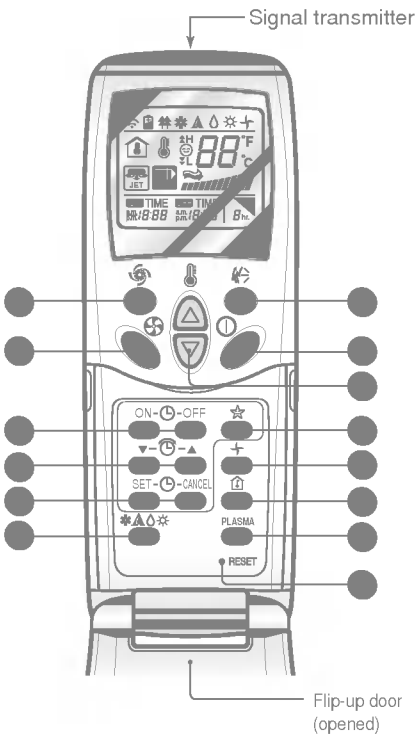
Receives the signals from the remote control.(Signal receiving sound: two short beeps or one long beep.)

Operation Indication Lamps

⏻	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)
OUT DOOR		: Lights up during outdoor unit operation. (Cooling model only)

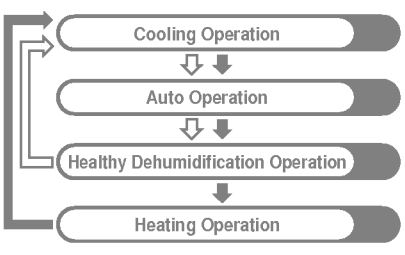


The remote control transmits the signals to the system.



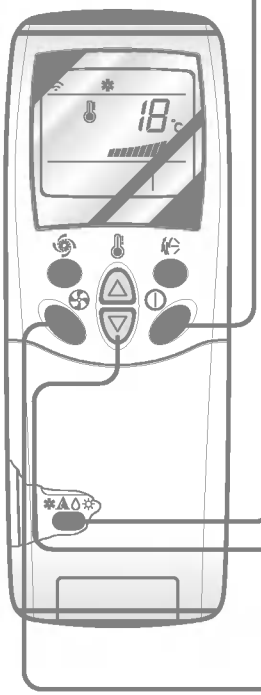
- **START/STOP BUTTON**
  Operation starts when this button is pressed and stops when the button is pressed again.
- **OPERATION MODE SELECTION BUTTON**
  Used to select the operation mode.
- **ROOM TEMPERATURE SETTING BUTTONS**
  Used to select the room temperature.
- **INDOOR FAN SPEED SELECTOR**
  Used to select fan speed in four steps low, medium, high, or CHAOS.
- **JET COOL**
  Used to start or stop the speed cooling. (Speed cooling operates super high fan speed in cooling mode.)
- **CHAOS SWING BUTTON**
  Used to stop or start louver movement and set the desired up/down airflow direction.
- **ON/OFF TIMER BUTTONS**
  Used to set the time of starting and stopping operation.
- **TIME SETTING BUTTONS**
  Used to adjust the time. (See page 13)
- **TIMER SET/CANCEL BUTTONS**
  Used to set the timer when the desired time is obtained and to cancel the Timer operation. (See page 13)
- **SLEEP MODE AUTO BUTTON**
  Used to set Sleep Mode Auto operation.(See page 13)
- **AIR CIRCULATION BUTTON**
  Used to circulate the room air without cooling or heating (turns indoor fan on/off). (See page 14)
- **ROOM TEMPERATURE CHECKING BUTTON**
  Used to check the room temperature.
- **PLASMA(OPTIONAL)**
  Used to start or stop the plasma-purification function. (See page 12)
- **RESET BUTTON**
  Used prior to resetting time or after replacing batteries.

Operation Mode



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

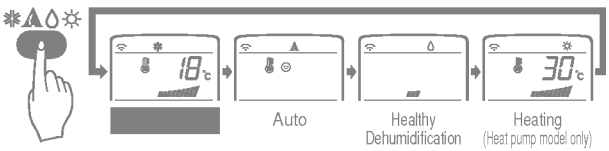
Cooling Operation



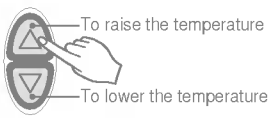
1 Press the Start/Stop button.
The unit will respond with a beep.



2 Open the door on the remote control. 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 Close the door on the remote control. Set the temperature lower than the room temperature. The temperature can be set within a range of 18℃~30℃ in 1℃ increments.



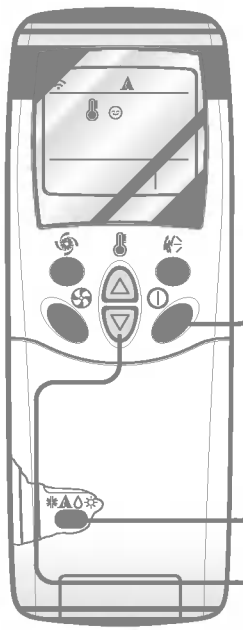
4 Set the fan speed again with the door of the remote control still closed. You can select the fan speed in four steps-low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



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.

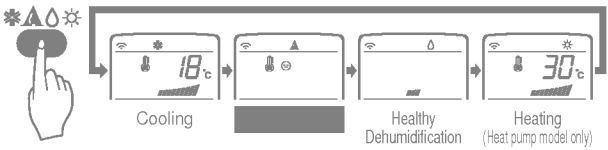
Auto Operation



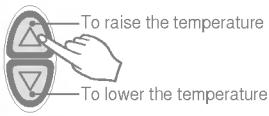
1 Press the Start/Stop button.
The unit will respond with a beep.



2 Open the door on the remote control. 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.



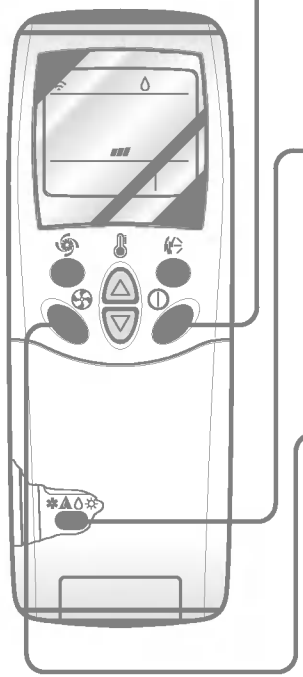
3 The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature. If you want to change the set temperature, close the door on the remote control and press the Room Temperature Setting buttons. The cooler or warmer you feel, the more times (up to two times) you should press the button. The set temperature will then be changed automatically.



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, it must be done by manually resetting.
- ❑ 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.

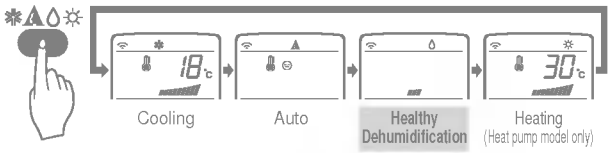
Healthy Dehumidification Operation



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



2 Open the door on the remote control. 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 again with the door of the remote control still closed. You can select the fan speed in four steps-low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



NATURAL WIND BY THE CHAOS LOGIC

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

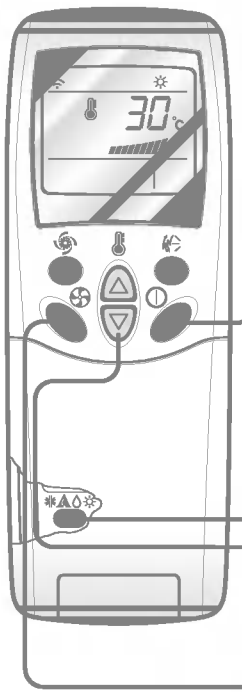
DURING HEALTHY DEHUMIDIFICATION OPERATION:

❑ 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 airflow volume to the best condition for dehumidification based on the sensed current room temp.

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

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

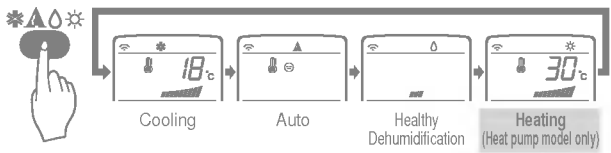
Heating Operation(Heat pump model only)



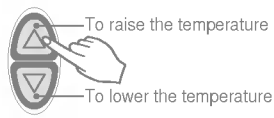
1 Press the Start/Stop button.
The unit will respond with a beep.



2 Open the door on the remote control. 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 Close the door on the remote control.
Set the temperature higher than the room temperature.
The temperature can be set within a range of 16℃~30℃ in 1℃ increments.



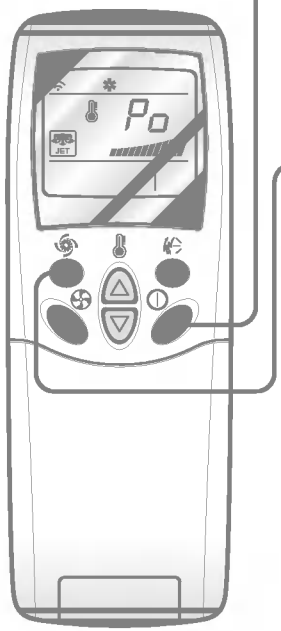
4 Set the fan speed again with the door of the remote control still closed. You can select the fan speed in four steps–low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



NATURAL WIND BY THE CHAOS LOGIC

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

Jet Cool Operation



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



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 again or the fan speed button or the room temperature setting button and the unit will operate in high fan speed on cooling mode.



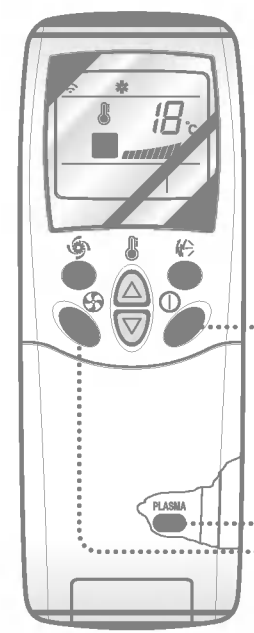
NOTE:

- *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 temp. in the shortest time in a hot summer.*

In heat pump mode or neuro fuzzy mode however, the JET COOL function is not available.

- *In order to return to the normal cooling mode from the JET COOL mode, you just press either the operation mode selection button, airflow volume selection or temp. setting button or the JET COOL button again.*

PLASMA Purification Operation(Optional)



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



2 Open the door on the remote control.
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.

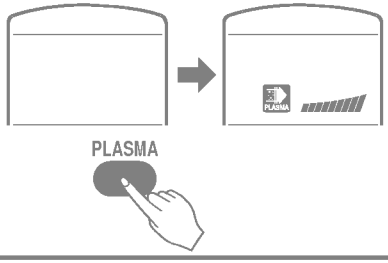


3 Set the fan speed again with door of the remote control closed. You can select the fan speed in four steps-low, medium, high or CHAOS. Each time the button is pressed, the fan speed mode is shifted.

✳ Air purifying operation (PLASMA) can be with cooling, Heating or any other operations.



PLASMA Air Purifying Operation only



If you press the only PLASMA button, only PLASMA air purifying operates.
Then, fan speed is low. 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 shifed.

- Press the Sleep Mode Auto button to set the time you want the unit to turn off automatically.



- The Timer is programmed in one-hour increments by pressing the Sleep Mode Auto button 1 to 7 times.
  The sleep mode is available for 1 to 7 times. To alter the time period in steps of 1 hour, press the Sleep Mode Button while aiming at air conditioner.
- 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.

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

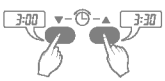
IN COOLING MODE: The temperature will automatically rise by 1°C over the next 30 minutes and by 2°C in 1 hour for comfortable sleeping.

- 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.



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



- Press the Timer SET button.

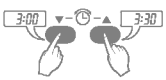


Note: *Check the indicator for A.M. and P.M.*

- Make sure the time is set correctly on the remote control display.
- Press the ON/OFF Timer buttons to turn Timer on or off.



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



- Press the selected on/off setting by pressing the Timer SET button while aiming the remote control at the signal receptor.



To cancel the setting the timer.



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

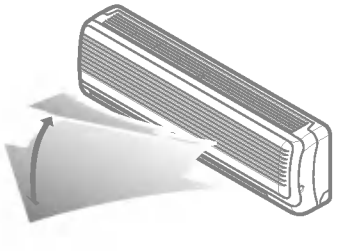
NOTE: *Select one of the following four types of operation.*

with the unit running



Delay OFF Timer | Delay ON Timer | Delay OFFand ON Timer | Delay ONand OFF Timer

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



Press the Start/Stop button to start the unit.

Open the door on the remote control.
Press 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.



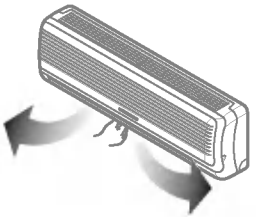
Note:

- ❑ 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 control 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

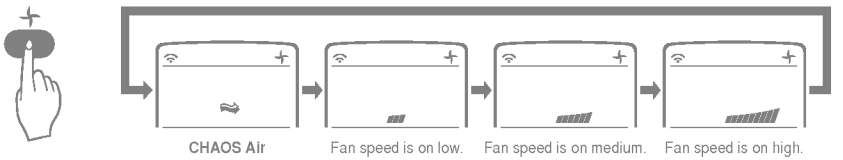
Caution : Ensure unit is turned off before adjusting the horizontal airflow direction control. Carefully open vertical louver to allow access to the horizontal airflow direction.

Adjust the left/right airflow direction by hand.



Circulates the room air without cooling or heating.

- Press the Start/Stop button. the unit will respond with a beep.
- Open the door on the remote control. Press the Air Circulation button. Close the door on the remote control. 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.

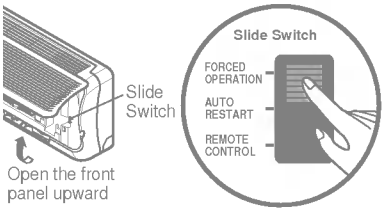


Note:

- ❑ **CHAOS Air** economizes power consumption and prevents overcooling. The fan speed is automatically changed from high to low or vice versa, depending on the ambient temperature.

FORCED OPERATION

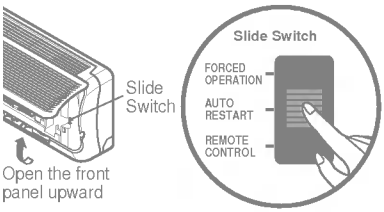
Operation procedures when the remote control can't be used.
Open the front panel upward and move the Slide Switch to the Forced Operation position.
If you want to stop operation, move the Slide Switch to the Auto Restart or the Remote Control position.
In case the power comes on again after power failure on the Forced Operation position, the operating conditions are automatically set as follows:
During Forced Operation, the initial mode continues.



	Cooling Model	Heat pump Model		
		Room Temp. ≥ 24℃	21℃ ≤ Room Temp. < 24℃	Room Temp. < 21℃
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	22℃	22℃	23℃	24℃

Auto restart

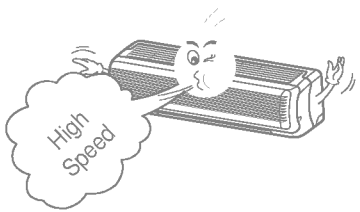
In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.
If you want to use this operation, Open the front panel upward and move the slide switch to the Auto Restart position.
If you do not want to use this operation, move the Slide Switch to the Remote Control position.



When you are out for a while, put the Slide Switch on the Remote Control.

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.

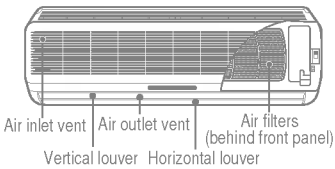


CAUTION: *Before performing any maintenance, turn off the main power to the system.*

Grille, Case, and Remote Control

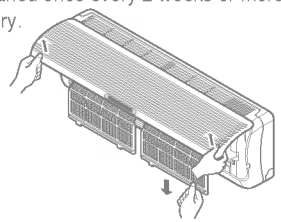
❑ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE:
Supply power must be disconnected before deaning the indoor unit.



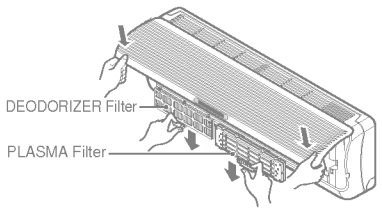
AIR FILTERS

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



PLASMA FILTER, DEODORIZER FILTER(OPTIONAL)

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



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

❑ Never use any of the followings:

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



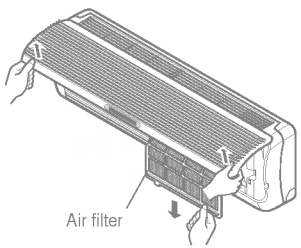
- Lift the front access panel and pull the filter tab slightly forward to remove the filter.
- Clean the filter with a vacuum or warm, soapy water.
  - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
  - If hot water (40℃ or more) is used, it may be deformed.
- After washing with water, dry well in the shade.
- Re-install the air filter.

- After removing the air filters, pull slightly forward to remove the PLASMA filter.
- Dip the PLASMA filter into the water mixed with neutral detergent, for 20~30 minutes.
- Dry the PLASMA filter in the shade for a day (Especially, the humidity must be removed perfectly on this parts).
- Note the cuts of electric discharge lines.
- Re-install the PLASMA filter to the original position.
- After removing the air filters, pull slightly forward to remove the DEODORIZER filter.
- Dry in the sunlight for two hours.
- Re-install the DEODORIZER filter to the original position.

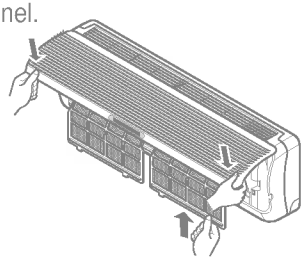
Replacement of Purifying Filter(Option)

• Recomended use period : About 2 years

● Open front panel and remove air filters.

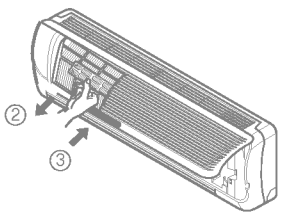


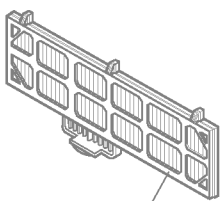
● Reinsert air filters and close front panel.



● Remove air purifying filters.

● Insert new air purifying filters.

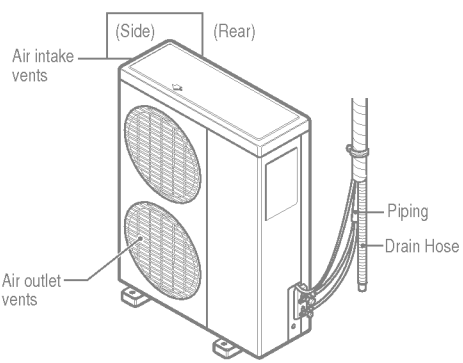


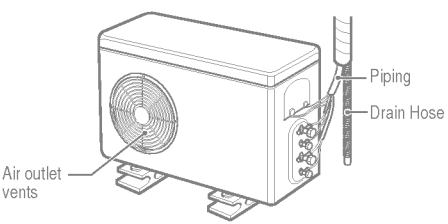


The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

NOTE:

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





time.

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

- Operate the air conditioner on Air circulation mode (Refer to page 14) for 2 to 3 hours.
  - This will dry out the internal mechanisms.
- Turn off the circuit breaker, and disconnect the plug.

⚠ 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.

- Remove the batteries from the remote control.

When the air conditioner is

- Clean the air filter and install it in the indoor unit.
  (Refer to page 16 for cleaning filters.)
- Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

Energy Saving Tips

Don't overcool the room

This is not good for the health and wastes electricity.

Keep blinds or curtains closed

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

Keep the room temperature within

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

Make sure that the doors and windows

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

Clean the air filter regularly

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.

Ventilate the room occasionally

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

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.	• Have you made a mistake in timer operation?	13
	• Has the fuse blown or has the circuit breaker been tripped?	-
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
Air conditioner does not operate for about 3 minutes when restarted.	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	16
	• Has the temperature been set incorrectly?	7, 10
	• Are the indoor unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit.	-
Remote control display is faint, or no display at all.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?	5
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-

NOTE
WATER RESISTANT: The outdoor side of this appliance is WATER RESISTANT.
The indoor side is not water resistant and should not be exposed to excess water.



LG Electronics Inc.

P/No.: 3828A20159M Printed in Korea

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