

OWNER'S MANUAL for LG Electronics LS307HV2

Table of Contents

- Safety Precautions
- B. Electrical Safety
- Temporary Use of an Adapter
- Temporary Use of an Extension Cord
- Symbols used in this Manual
- C. Product Introduction
- Indoor Units
- Operation Indication Lamps
- Outdoor Unit
- D. Operating Instructions
- How to insert the Batteries
- Wireless Remote Controller
- Maintenance
- Operating Method
- Wireless Remote Controller
- Operation Mode
- Auto Changeover Operation
- Healthy Dehumidification Operation
- Air Circulation Operation
- Auto Clean Operation
- NEO PLASMA Purification Operation
- Energy-Saving Cooling Mode
- Display Luminosity
- Setting the Current Time
- Timer Setting
- To cancel the timer setting
- Sleep Mode
- Horizontal Vane Control
- Vertical Louver Control
- Jet Cool Operation

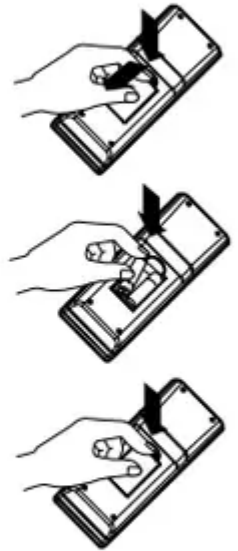
- Forced operation
- Auto Restart Function
- E. Maintenance and Service
- Indoor Unit
- Outdoor Unit
- Operation Tips!
- Self-Diagnosis Function
- Troubleshooting Tips! Save time and money!
- Call the service immediately in the following situations



Operating Instructions

How to insert the Batteries

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



NOTE

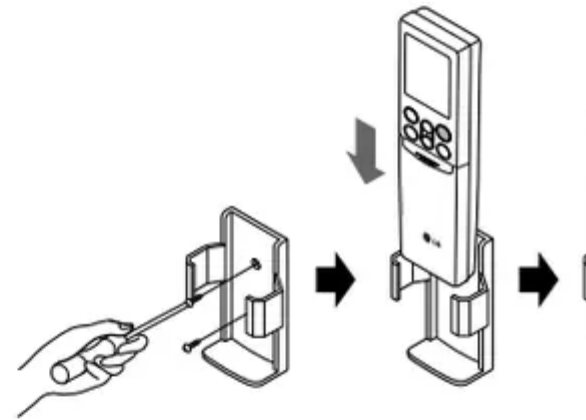
1. Always use/replace both batteries of same type.
2. If the system is not to be used for a long time, remove the batteries to save their working life.
3. If the display screen of remote controller starts, fading replace both of the batteries.
4. Use 2 AAA(1.5 volt) batteries.

Wireless Remote Controller Maintenance

1. Choose a suitable place where its safe & easy to reach.
2. Fix the holder to wall etc with the supplied screws firmly.
3. Slide the remote controller inside the holder.

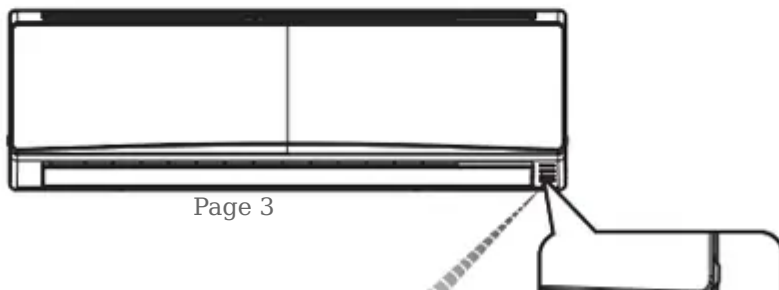
NOTE

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



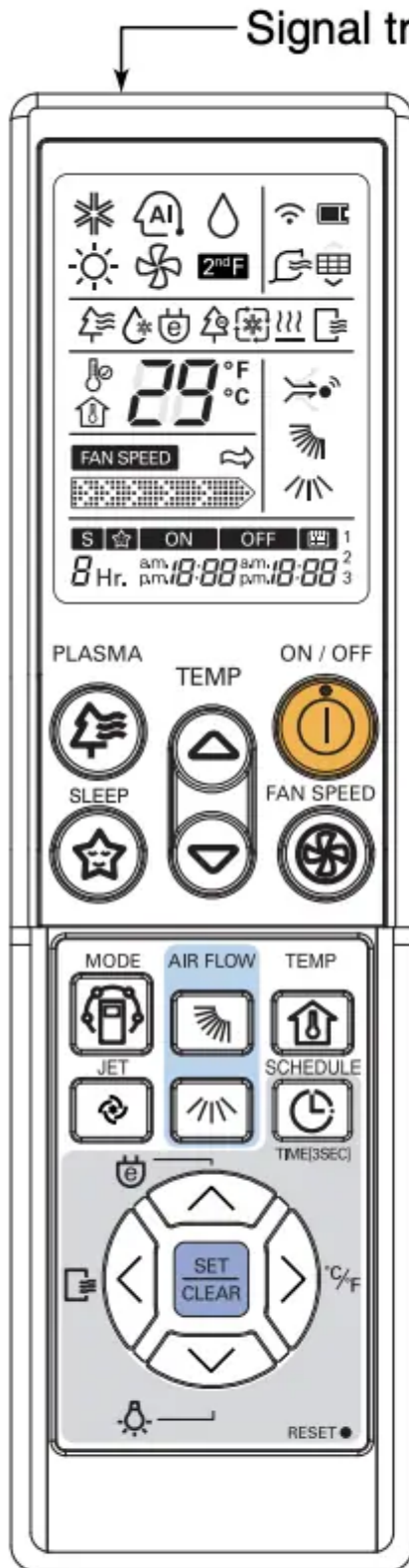
Operating Method


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





Wireless Remote Controller


The controls will look like the following.




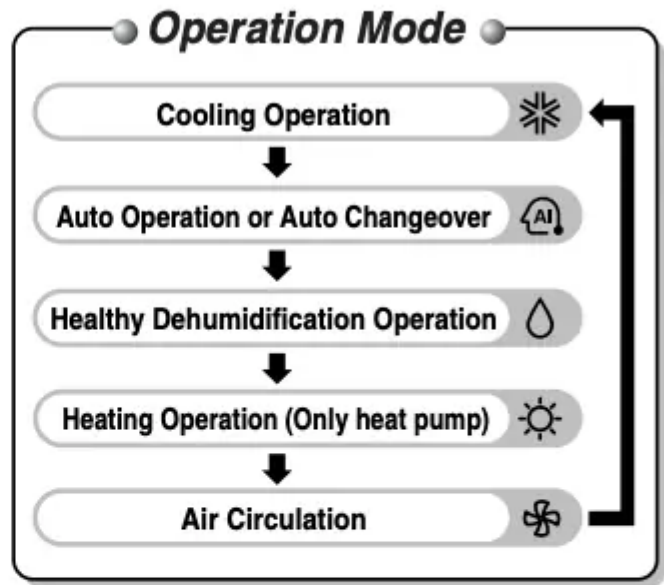
- 
ON/OFF BUTTON
 Used to turn off/on the unit.

- 
PLASMA BUTTON
 Used to start or stop the plasma-purification function.

- 
SLEEP MODE AUTO BUTTON
 Used to set sleep mode auto operation.

- 
ROOM TEMPERATURE SETTING BUTTON
 Used to select the room temperature.

- 
INDOOR FAN SPEED SELECTION BUTTON
 Used to select fan speed in six steps low, medium, medium-high, high and natural wind.



The controls will look like the following.



OPERATION MODE SELECTION BUTTON

Used to select the operation mode.



JET COOL BUTTON

Used to start or stop the speed cooling. The Jet Cool operates fan in super high speed in cooling mode.



HORIZONTAL VANE CONTROL BUTTON

Used to set the desired vertical airflow direction



VERTICAL LOUVER CONTROL BUTTON

Used to set the desired horizontal airflow direction



ROOM TEMPERATURE CHECKING BUTTON

Used to check the room temperature.



TIMER BUTTON(before adjusting)

Used to set the current time and the time of starting / stop



ENERGY SAVING COOLING BUTTON

Used to save Energy.



AUTO CLEAN BUTTON

Used to set auto clean.



LED LUMINOSITY BUTTON

Used to adjust LED luminosity.



TIME ADJUSTING BUTTONS

Used to adjust the time.



TIMER SET/CLEAR BUTTON(after adjusting)

Used to set and to cancel the timer operation.



°C TO °F SWITCHING BUTTON

Used to switch temperature reading from Centigrade to Fahrenheit.



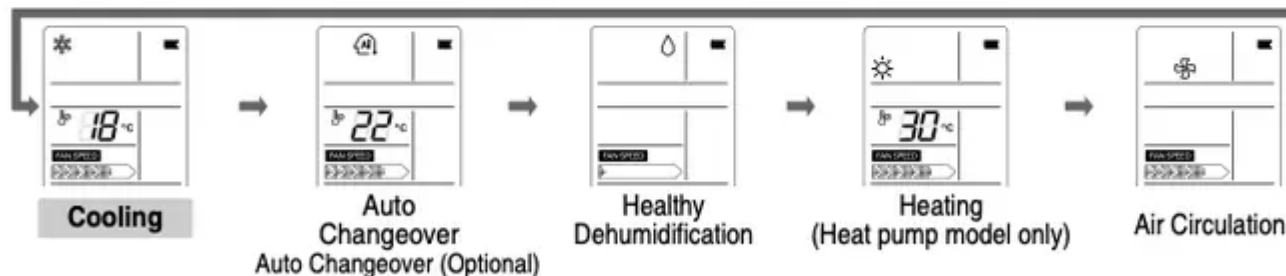
RESET BUTTON

Used prior to resetting time.

Operation Mode

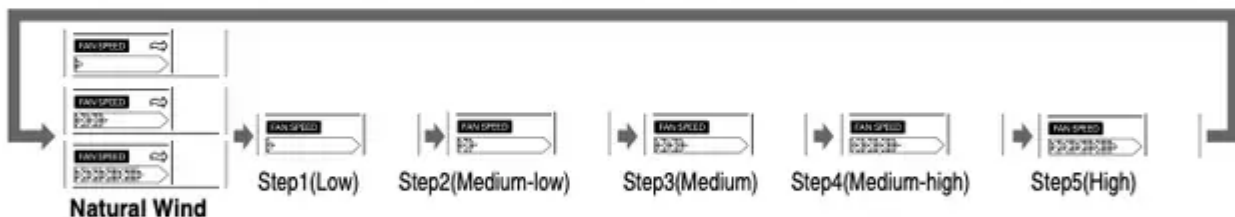
- 1 Press the ON/OFF BUTTON to turn the unit on.
The unit will respond with a beep.

- 2 Open the cover of the remote controller and press the operation mode button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



- 3 For cooling or heating operation set the desired indoor temperature by pressing the ROOM TEMPERATURE SETTING BUTTONS.
For cooling the temperature can be set within 18°C~30°C(64°F~86°F) and for heating the temperature range is 16°C~30°C(60°F~86°F).

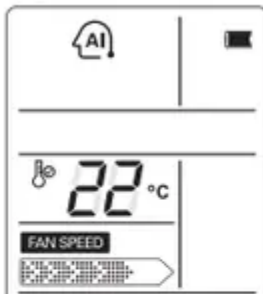
- 4 Set the fan speed with the remote controller. You can select the fan speed in six steps : low, medium-low, medium, medium-high, high and natural wind by pressing the INDOOR FAN SPEED SELECTION BUTTON.
Each time the button is pressed, the fan speed mode is shifted in the direction of the arrow.



Natural wind

- For fresher feeling, press the INDOOR FAN SPEED SELECTION BUTTON and set to Natural wind mode.
In this mode, the wind blows like a natural breeze by automatically changing fan speed.

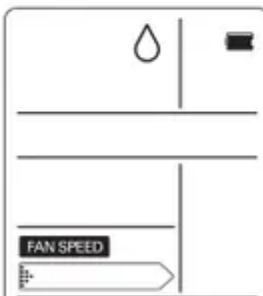
Auto Changeover Operation



This operation is basically heating or cooling function of the air conditioner. But during this operation the controller changes the operation mode automatically to keep the temperature within $\pm 2^{\circ}\text{C}$ ($\pm 4^{\circ}\text{F}$) with respect to the setting temperature.



Healthy Dehumidification Operation

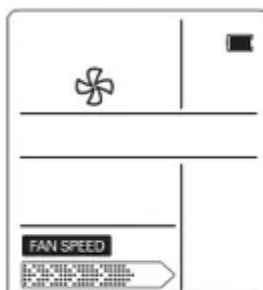


During Healthy Dehumidification Operation

- ❑ If you select the dehumidification mode on the OPERATION MODE SELECTION BUTTON, the product starts to run the dehumidification function. It automatically sets the room temperature and airflow volume to the best condition for dehumidification, based on the sensed current room temperature. In this case, however, the setting temperature is not displayed on the remote controller and you are not able to control the room temperature either.
- ❑ During the healthy dehumidification function, the fan speed is automatically set according to the optimization algorithm responding to the current room temperature status, so that the room condition is kept healthy and comfortable even in the very humid season.



Air Circulation Operation



This operation circulates the air without cooling or heating. It can be activated by pressing the OPERATION MODE SELECTION BUTTON. Once the air circulation is activated you can select the fan speed by pressing the INDOOR FAN SPEED SELECTION BUTTON.


NOTE : During this operation, 'Cooling' lamp lights up.



Auto Clean Operation

- During Auto Clean Operation, moistures left in indoor units after cooling operation or healthy dehumidification operation can be removed.

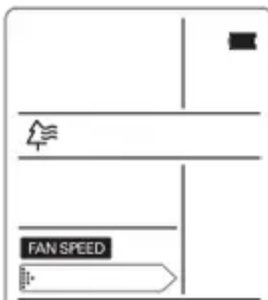


Select Auto Clean Operation by the function setting button(). Now whenever the unit is turned off, the indoor fan is still running for about 30 minutes internally without cooling or dehumidification operation. This function dries up any remains of moisture & cleans the unit internally. If you push the Auto Clean button again, this function is cancelled.

NOTE

- During Auto Clean function, only ON/OFF button, Plasma button, Auto Clean button is used. During this operation, 'Cooling' lamp lights up.

PLASMA Purification Operation



Plasma filter is a technology developed by LG to get rid of microscopic contaminants in the intake air by generating a plasma of high charge electricity. This plasma kills and destroys the contaminants completely to provide clean and hygienic air.

Plasma purification operation can be started by pressing the PLASMA BUTTON on the remote controller.

Repressing it will deactivate the operation.

NOTE

- This feature can be used in any operation mode and fan speed by pressing the plasma button.
- Separate plasma purification operation is possible in stop condition. It is cancelled by pressing the plasma button or on/off button.

Energy-Saving Cooling Mode

Energy-saving cooling mode can save energy in cooling operation, because it can operate efficiently by setting body-adaptation time according to the change of time and temperature and adjusting desired temperature automatically.



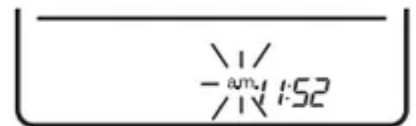
1. Press the ON/OFF BUTTON to start the unit.
2. Open the cover of the remote controller. Select cooling operation.
3. Press the ENERGY-SAVING COOLING MODE BUTTON.
4. To cancel the energy-saving cooling mode, press the ENERGY-SAVING COOLING MODE BUTTON again and unit will operate in previous mode(Cooling mode).

Display Luminosity

The unit display Luminosity can be adjusted by using the remote controller. Open the cover of the remote controller and press the LED LUMINOSITY button. Display LED will be dark. Press the button again to set bright display. (The order of 100% → 50% LUMINOSITY is repeated whenever you press the button.)

Setting the Current Time

- 1 Press the TIMER BUTTON For 3 seconds.



- 2 Press the TIMER SETTING BUTTONS until the desired time is set.
 - The order of a.m. and p.m. -> hour ->minute is repeated whenever you press the <> button.
 - By pressing the ^∨ button, you can set the current time.








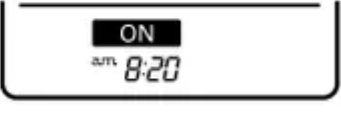
- 3 Press the SET/CLEAR button.



NOTE

Check the indicator for a.m. and p.m.

Timer Setting

Description	Button on the Remote Controller	Indication on the LCD Display
1 Press the Timer button once to set on the Reserved 'On' (Press the Timer button twice to set the Reserved 'Off')		
2 Press the Time Setting buttons until the desired time is set. - The order of a.m. and p.m. -> hour ->minute is repeated whenever you press the <> button. - By pressing the ^v button, you can set the desired time.		
3 Press the SET/CLEAR BUTTON (Press the SET/CLEAR BUTTON once more to cancel)		

To cancel the timer setting

- If you wish to cancel all timer setting, press the SET/CLEAR button.
- In order to cancel the timer settings individually, press the Timer button to select Reserved 'On' or Reserved 'Off'. And then press the Set/Clear button aiming the remote controller at the signal receiver (the timer lamp on the display will go off)

Sleep Mode Operation

Press the SLEEP MODE AUTO BUTTON to set the time when you want the unit to stop 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 hours.



NOTE

- The sleep mode will operate indoor fan at super low speed in cooling mode and at low speed in heat mode for pleasant sleep.

In cooling mode or healthy dehumidification mode:

The setting temperature will rise automatically two times by 1°C(2°F) over next consecutive 30 minutes [Maximum 2°C(4°F)] for a comfortable sleep. This will be the final setting temperature as long as sleep mode is functioning.

Horizontal Vane Control

The Horizontal Vane can be adjusted by using the remote controller.

1. Press the ON/OFF BUTTON to start the unit.
2. Press the vertical airflow direction button.

Each time the button is pressed, the air-flow direction is changed in the direction of the arrow.

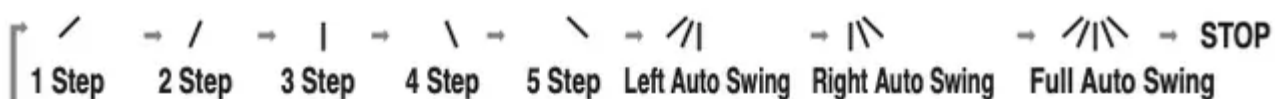


※ Press the Vertical Airflow Direction button once more during Auto Swing at the direction of airflow you

Vertical Louver Control

The Vertical Louvers can be adjusted by using the remote controller.

1. Press the ON/OFF BUTTON to start the unit.
2. Press the horizontal airflow direction button. Each time the button is pressed, the airflow direction is changed in the direction of the arrow.

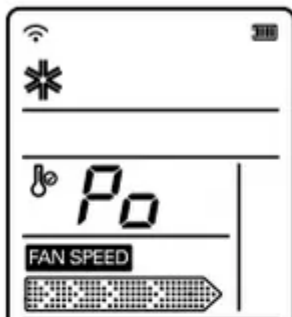


※ Press the Horizontal Airflow Direction button once more during Full Auto Swing at the direction of airflow you

NOTE

- Manually moving the Horizontal Vane or Vertical Louvers by hand could damage the mechanism. When the unit is shut off, the Horizontal Vane and Vertical Louvers will close the air outlet vent of the product.
- Air Conditioner memorizes the last operated angle. So there is possibility of difference in the angle of Remote Controller and the unit after reoperation. In that case, angle can be adjusted by pressing the Vane Control Button on the Remote Controller.

Jet Cool/Heat Operation



Jet cool function can be used to cool the room quickly in hot summer. When this function is turned on, the air conditioner runs in cooling operation mode with super high fan speed and 18°C(64°F) setting temperature for 30 minutes for fast and effective cooling.

Similarly, jet heat function (available only in some models) warms up the room quickly by operating at super high fan speed and 30°C(86°F) setting temperature for 30 minutes.

You can activate this operation by pressing the JET COOL BUTTON.

To change from jet cool mode to high fan speed cooling mode, press the JET COOL BUTTON or INDOOR FAN SPEED SELECTOR BUTTON or the ROOM TEMPERATURE SETTING BUTTON again.

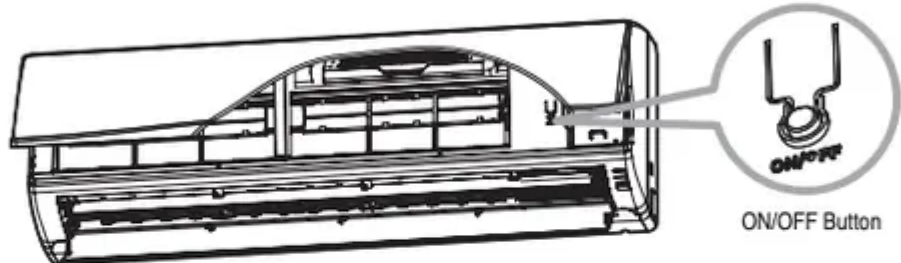


NOTE

- Jet Cool/Heat operation cannot be activated during Air Circulation operation and auto changeover operation.
- In case of Cooling only model, Jet Cool cannot be activated during Heating.
- In case of Inverter you can use jet heat function by pressing JET COOL BUTTON for heating operation.

Forced operation

Forced operation is used when the remote controller can't be used. The operation will be started if the ON/OFF button is pressed. If you want to stop the operation, re-press the button.



	Cooling Model	Heat pump Model		
		Room Temp. $\geq 24^{\circ}\text{C}(75.2^{\circ}\text{F})$	$21^{\circ}\text{C}(69.8^{\circ}\text{F}) \leq \text{Room Temp.} < 24^{\circ}\text{C}(75.2^{\circ}\text{F})$	Room Temp. $< 21^{\circ}\text{C}(69.8^{\circ}\text{F})$
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	$22^{\circ}\text{C}(71.6^{\circ}\text{F})$	$22^{\circ}\text{C}(71.6^{\circ}\text{F})$	$23^{\circ}\text{C}(73.4^{\circ}\text{F})$	$24^{\circ}\text{C}(75.2^{\circ}\text{F})$

Test operation

During the TEST OPERATION, the unit operates in cooling mode at high speed fan, regardless of room temperature and resets in 18 minutes. During test operation, if remote controller signal is received, the unit operates as remote controller sets. If you want to use this operation, Press and hold the ON/OFF button for 3~5 seconds, then the buzzer sounds 'beep'. If you want to stop the operation, re-press the button.

NOTE

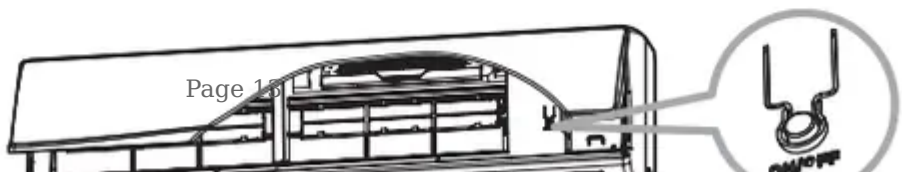
If you do not have the remote controller around here, you can start to operate the forced operation. If you force to close the front panel, some parts may be damaged.

Auto Restart Function

This function is useful in the situation of power failure. When power regains after a failure this feature restore the previous operating condition and the air conditioner will run in the same settings.

NOTE

This feature is enabled by factory default setting, but you can disable it by pressing the ON/OFF button for 6 seconds. The unit will beep twice and the lamp will blink 6 times. To enable it, press the button again for 6 seconds. The unit will beep twice and the blue lamp will blink 4 times.



Operating Instructions

How to insert the Batteries

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

NOTE

1. Always use/replace both batteries of same type.
2. If the system is not to be used for a long time, remove the batteries to save their working life.
3. If the display screen of remote controller starts, fading replace both of the batteries.
4. Use 2 AAA(1.5 volt) batteries.

Wireless Remote Controller Maintenance

1. Choose a suitable place where its safe & easy to reach.
2. Fix the holder to wall etc with the supplied screws firmly.
3. Slide the remote controller inside the holder.

NOTE

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

Operating Method

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

Operation Mode

1. Press the ON/OFF BUTTON to turn the unit on. The unit will respond with a beep.
2. Open the cover of the remote controller and press the operation mode button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.
3. For cooling or heating operation set the desired indoor temperature by pressing the ROOM TEMPERATURE SETTING BUTTONS. For cooling the temperature can be set within 18°C~30°C(64°F~86°F) and for heating the temperature range is 16°C~30°C(60°F~86°F).

4. Set the fan speed with the remote controller. You can select the fan speed in six steps : low, medium-low, medium, medium-high, high and natural wind by pressing the INDOOR FAN SPEED SELECTION BUTTON. Each time the button is pressed, the fan speed mode is shifted in the direction of the arrow.

Natural wind

For fresher feeling, press the INDOOR FAN SPEED SELECTION BUTTON and set to Natural wind mode. In this mode, the wind blows like a natural breeze by automatically changing fan speed.

Auto Changeover Operation

This operation is basically heating or cooling function of the air conditioner. But during this operation the controller changes the operation mode automatically to keep the temperature within $\pm 2^{\circ}\text{C}(\pm 4^{\circ}\text{F})$ with respect to the setting temperature.

Healthy Dehumidification Operation

During Healthy Dehumidification Operation

If you select the dehumidification mode on the OPERATION MODE SELECTION BUTTON, the product starts to run the dehumidification function. It automatically sets the room temperature and airflow volume to the best condition for dehumidification, based on the sensed current room temperature. In this case, however, the setting temperature is not displayed on the remote controller and you are not able to control the room temperature either.

During the healthy dehumidification function, the fan speed is automatically set according to the optimization algorithm responding to the current room temperature status, so that the room condition is kept healthy and comfortable even in the very humid season.

Air Circulation Operation

This operation circulates the air without cooling or heating. It can be activated by pressing the OPERATION MODE SELECTION BUTTON. Once the air circulation is activated you can select the fan speed by pressing the INDOOR FAN SPEED SELECTION BUTTON.

NOTE : During this operation , 'Cooling' lamp lights up.

Auto Clean Operation

During Auto Clean Operation, moistures left in indoor units after cooling operation or healthy dehumidification operation can be removed.

Select Auto Clean Operation by the function setting button() . Now whenever the unit is turned off, the indoor fan is still running for about 30 minutes internally without cooling or dehumidification operation. This function dries up any remains of moisture & cleans the unit internally. If you push the Auto Clean button again, this function is cancelled.

NOTE : □ During Auto Clean function, only ON/OFF button, Plasma button, Auto Clean button is used. During this operation, 'Cooling' lamp lights up

PLASMA Purification Operation

Plasma filter is a technology developed by LG to get rid of microscopic contaminants in the intake air by generating a plasma of high charge electrons. This plasma kills and destroys the contaminants completely to provide clean and hygienic air.

Plasma purification operation can be started by pressing the PLASMA BUTTON on the remote controller. Repeating it will deactivate the operation.

NOTE

- This feature can be used in any operation mode and fan speed by pressing the plasma button.
- Separate plasma purification operation is possible in stop condition. It is cancelled by pressing plasma button or on/off button.

Energy-Saving Cooling Mode

Energy-saving cooling mode can save energy in cooling operation, because it can operate efficiently by setting body-adaptation time according to the change of time and temperature and adjusting desired temperature automatically

1. Press the ON/OFF BUTTON to start the unit.
2. Open the cover of the remote controller. Select cooling operation.
3. Press the ENERGY-SAVING COOLING MODE BUTTON.
4. To cancel the energy-saving cooling mode, press the ENERGY-SAVING COOLING MODE BUTTON again and unit will operate in previous mode(Cooling mode)

Display Luminosity

The unit display Luminosity can be adjusted by using the remote controller. Open the cover of the remote controller and press the LED LUMINOSITY button. Display LED will be dark. Press the button again to set bright display. (The order of 100% → 50% LUMINOSITY is repeated whenever you press the button.)

Setting the Current Time

- 1 Press the TIMER BUTTON For 3 seconds.
- 2 Press the TIMER SETTING BUTTONS until the desired time is set.
 - The order of a.m. and p.m. → hour →minute is repeated whenever you press the < > button.
 - By pressing the button, you can set the current time.
- 3 Press the SET/CLEAR button.

NOTE Check the indicator for a.m. and p.m.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

Document generated by [ManualsFile](#)