

OWNER'S & INSTALLATION MANUAL AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

TYPE : Wireless Remote Controller

Models : PQWRCQ0FDB
PQWRHQ0FDB



P/NO : MFL67241904

www.lg.com

TABLE OF CONTENTS

■ Safety Precaution	3
■ Part Description	4
Wireless Remote Controller	5
■ Operating Instruction	6
How to insert the Batteries.....	6
Wireless Remote Controller Maintenance	6
Operating Method	6
Installer Setting - Setting Address of Central Control	7
■ Installation Instructions	7
Installer Setting - Checking Address of Central Control	7
Installer Setting -How to enter installer setting mode	8
Installer Setting - Installer Setting Code Table	9
■ Owner's Instruction	10
Cooling Mode - Standard Operation	10
Cooling Mode - Power Cooling	10
Auto Operation Mode.....	11
Auto Changeover Mode.....	12
Auto Changeover Mode - Setting the Mode Change Temperature	13
Dehumidification Mode	14
Heating Mode	15
Fan Mode.....	16
■ Temperature Setting/Room Temperature checking	17
■ Airflow Setting	18
Up/Down Airflow Direction Control (Optional).....	18
Left/Right Airflow Direction Control (Optional)	18
■ Sub function	19
Plasma Purification(Optional)	19
Auto Clean (Optional)	19
Smart Clean (Optional)	20
LCD Luminosity Control (Optional)	21
Celsius/Fahrenheit Switching	21
Electric heater (Optional)	21
Individual vane angle control (Optional)	22
■ Timer	23
Setting the Current Time.....	23
Sleep Timer Setting	23
On Timer Setting.....	23
Off Timer Setting.....	24
To cancel the Timer Setting.....	24

Safety Precautions

- The installation requires expert skills, and it should be installed by the service center or other shops specialized in the installation and recognized by our company.
- For all the problems arising after installation by someone who has no relevant qualifications, our company will not provide free service.
- The following safety cautions are provided to prevent unexpected dangers or losses.

⚠ WARNING : If the user does not follow the mandatory items, it may result in serious injury or death.

⚠ CAUTION : If the user does not follow the mandatory items, it may cause personal injury or property damage.



: Warning and Caution are to call the user's attention to the possible danger. Read and follow them carefully in order to prevent a safety accident.



: Warning and Caution are indicated in this guide and the product itself to help protect the users from danger.

⚠ WARNING

■ Installation

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 disassemble, repair, or modify the product at your discretion in order to prevent fire or an electric shock.

■ Operation

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.

Push the button at one time. There will be no operation if you Several buttons at one time.

Do not drop or throw the remote Controller. Do not give any strong impact and Put your foot it.

Do not use this at the moisture and Humidity places.

Do not use this at heating and Firing conditions.

Do not place the remote controller in a location exposed to direct sunlight

Aim at the signal receptor on the wireless remote controller so as to operate

The remote control signal can be received at a distance of up to about 7m

Be sure that there are no obstructions between the remote controller and the signal receptor

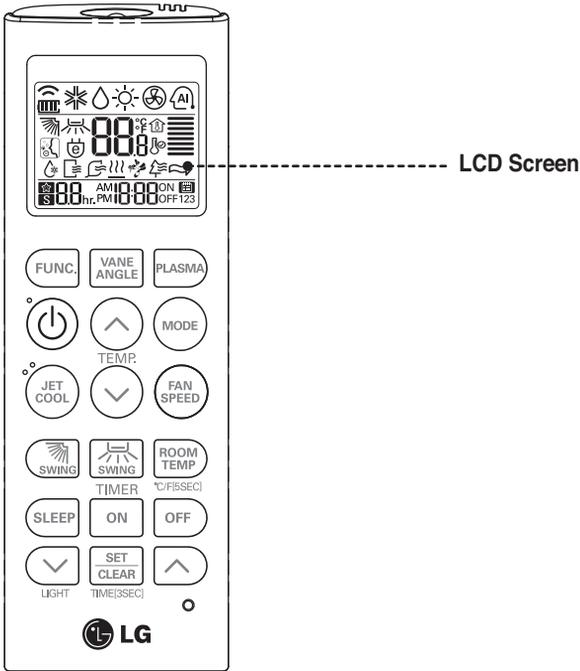
Batteries:

Do not burn, do not try to open it, do not dispose in ordinary trash. Preserve environment and your health.

After use, batteries must be delivered to the merchant or service authorized network (Conama number 401 dated 11/2008).

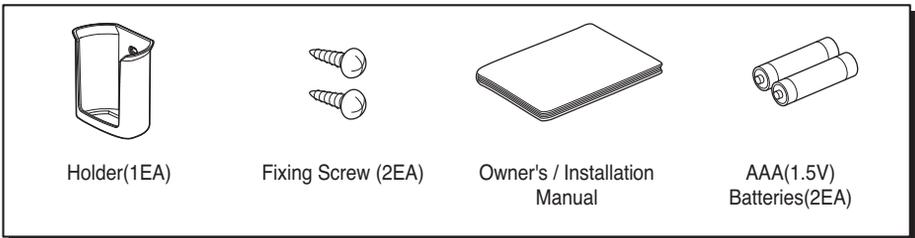


Part Description



Wireless Remote Controller

Accessory



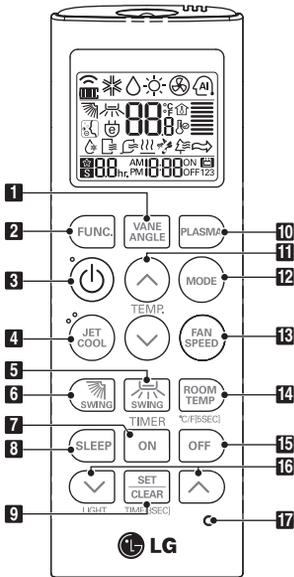
Holder(1EA)

Fixing Screw (2EA)

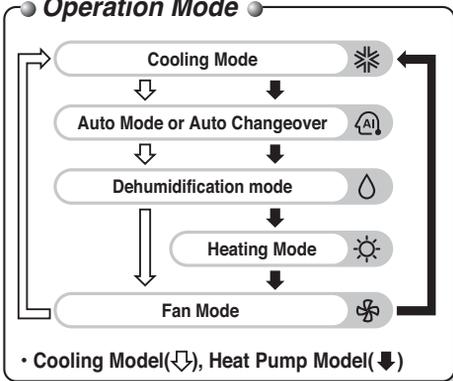
Owner's / Installation Manual

AAA(1.5V) Batteries(2EA)

Wireless Remote Controller



Operation Mode

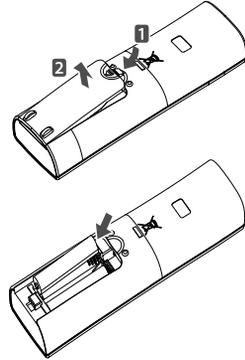


- 1 VANE ANGLE Button**
Used to set each vane angle.
- 2 FUNCTION SETTING Button**
Used to set or clear Auto Clean, Smart Clean, Electric heater or Individual vane angle control.
- 3 ON/OFF Button**
Used to turn on/off the unit.
- 4 JET COOL Button**
Speed cooling operates super high fan speed.
- 5 LEFT/RIGHT AIRFLOW Button (OPTIONAL)**
Used to set the desired left/right(horizontal) airflow direction.
- 6 UP/DOWN AIRFLOW Button**
Used to stop or start louver movement and set the desired up/down airflow direction.
- 7 ON TIMER Button**
Used to set the time of starting operation.
- 8 SLEEP TIMER Button**
Used to set the time of sleeping operation.
- 9 SET / CLEAR Button**
Used to set/clear the timer.
Used to set the current time(if it input for 3sec.)
- 10 PLASMA Button (OPTIONAL)**
Used to start or stop the plasma-purification function.
- 11 ROOM TEMPERATURE SETTING Button**
Used to select the room temperature.
- 12 OPERATION MODE SELECTION Button**
Used to select the operation mode.
- 13 INDOOR FAN SPEED SELECTION Button**
Used to select fan speed in four steps low, medium, high and chaos.
- 14 ROOM TEMPERATURE CHECKING Button**
Used to check the room temperature.
- 15 OFF TIMER Button**
Used to set the time of stopping operation.
- 16 TIMER SETTING(Up/Down)/LIGHT Button**
Used to set the timer.
Used to adjust the brightness.(if it is not time adjust mode)
- 17 RESET Button**
Used to reset the remote controller.

Operating Instruction

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.

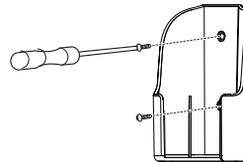


NOTE

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.

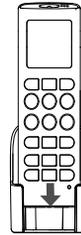
Wireless Remote Controller Maintenance

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.

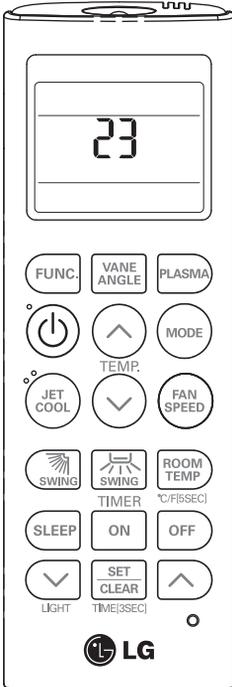


Operating Method

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.

Installation Instructions

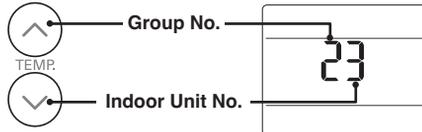
Installer Setting - Setting Address of Central Control



1 With the MODE button pressed, press the RESET button.



2 By using the TEMPERATURE SETTING button, set the indoor unit address.
- Setting range : 00 ~ FF



3 After setting the address, press the ON/OFF button toward the indoor unit 1 time.



4 The indoor unit will display the set address to complete the address setting.
- The address display time and method can differ by the indoor unit type.

5 Reset the remote controller to use the general operation mode.

Installer Setting - Checking Address of Central Control

1 When FUNCTION button pressed, press RESET button



2 Press the ON/OFF button toward the indoor unit 1 time, and the indoor unit will display the set address in the display window.



- The address display time and method can differ by the indoor unit type.

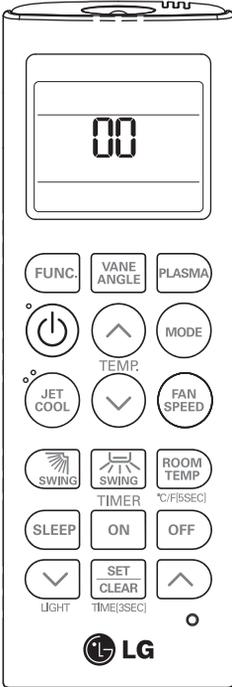
3 Reset the remote controller to use the general operation mode.



Installer Setting -How to enter installer setting mode

⚠ CAUTION

Installer setting mode is to set the detail function of the remote controller. If the installer setting mode is not set correctly, it can cause problems to the product, user injury or property damage. This must be set by a certificated installer, and any installation or change that is carried out by a non-certificated person should be responsible for the results. In this case, free service cannot be provided.



1 When JET COOL button pressed, press RESET button

2 By using the TEMPERATURE SETTING button, set function code and setting value. (Please refer the Installer Setting Code Table.)

3 Press the ON/OFF button toward the indoor unit 1 time.

4 Reset the remote controller to use the general operation mode.

Refer to the Installer Setting Code Table on the next page.

Installer Setting - Installer Setting Code Table

Installer Setting Code Table

No.	Function	Function Code	Setting Value	Remote Controller LCD
0	Mode Override	0	0 : Set to Master	00
			1 : Set to Slave	01
1	Ceiling Height Selection	1	1 : Standard	11
			2 : Low	12
			3 : High	13
			4 : Super High	14
2	Group Control	2	0 : Set to Master	20
			1 : Set to Slave	21
			2 : Check Master/Slave	22
	Auxiliary heater	2	3 : Set to Auxiliary heater	23
			4 : Cancel Auxiliary heater	24
			5 : Check Auxiliary heater Installation	25

Mode Override

This Function is only for Non-Auto Changeover H/P model.

Ceiling Height Selection

Indoor unit connected to wired remote controller operate as wired remote controller setting.

Group Control

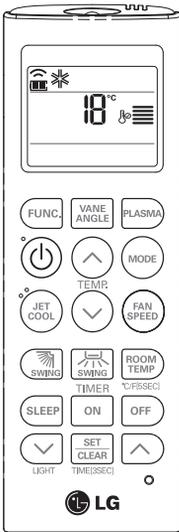
This function is only for group control. Please don't set this function in case of non-group control. After setting Group Control of the product, turn off the power then turn it back on after 1 minute.

Auxiliary heater

This function is only applied to models with Auxiliary Heater function being activated.

Owner's Instruction

Cooling Mode - Standard Operation



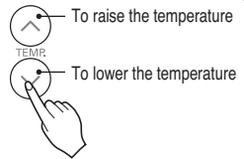
- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Cooling Mode.

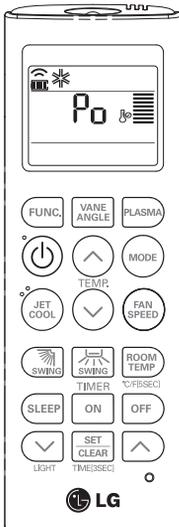


- 3 Set the desired temperature by pressing TEMP button. Press ROOM TEMPERATURE CHECKING button to check the room temperature. When setting the desired temperature is higher than room temperature, cooling wind isn't blow out.



* Setting Temp. Range : 18~30°C(64~86°F)

Cooling Mode - Power Cooling



- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Cooling Mode.



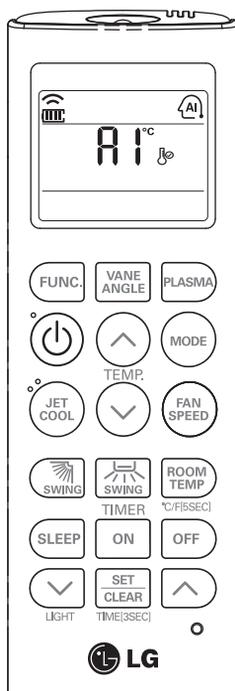
- 3 Press the JET COOL button. The unit will operate in super high fan speed in cooling mode.
* Wall mounted models operate power cooling mode for 30 minutes.



- 4 To cancel the Power cooling 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.



Auto Operation Mode



- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press MODE button to select Auto Operation Mode.



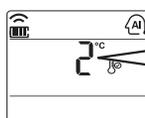
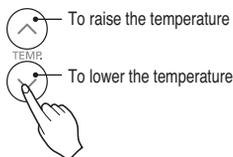
- 3 Set the desired temperature.

<For Cooling Model>

The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature.

If you feel hot or cold, press TEMPERATURE SETTING buttons for more cooling or heating effect.

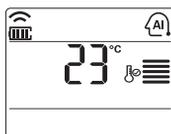
You cannot switch the indoor fan speed. It has already been set by the Auto Operation Mode rule.



* Please select the code depend on your feeling.

Code	Feel
2	Cold
1	Slightly cool
0	Neutral
-1	Slightly warm
-2	Warm

<For Heating Model>



You can set desired temperature and indoor fan speed.

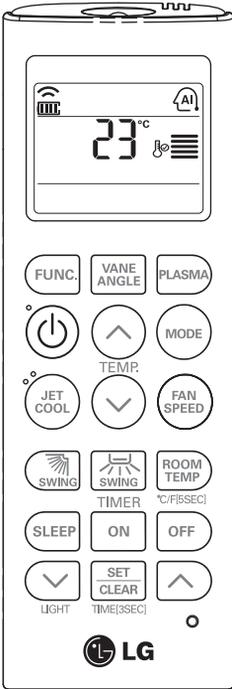
Setting Temp. Range : 18~30°C(64~86°F)

During Auto Operation Mode

- 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.

Auto Changeover Mode

This Function is only available on some products.



1 Press the ON/OFF button. The unit will respond with beep sound.

A circular button with a power symbol (a circle with a vertical line through it) is shown. A hand is pointing to the center of the button.

2 Press MODE button to select Auto Changeover Mode.

A circular button with the word 'MODE' in the center is shown. A hand is pointing to the center of the button.

3 Set the desired room temperature.
* Setting Temp. Range in Auto Changeover Mode : 18~30°C (64~86°F)

Two circular buttons are shown. The top one has an upward-pointing arrow and is labeled 'TEMP.'. The bottom one has a downward-pointing arrow and is also labeled 'TEMP.'. A hand is pointing to the center of the bottom button.

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

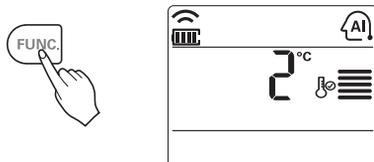
A circular button with the words 'FAN SPEED' in the center is shown. A hand is pointing to the center of the button.

During Auto changeover Mode
The air conditioner changes the operation mode automatically to keep indoor temperature. When room temperature vary over $\pm 2^{\circ}\text{C}$ (4°F) with respect to setting temperature, air conditioner keeps the room temperature within $\pm 2^{\circ}\text{C}$ (4°F) with respect to setting temperature by auto changeover mode.

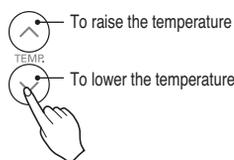
Auto Changeover Mode - Setting the Mode Change Temperature

This Function is to set the operating mode of the Auto Changeover Mode.

- 1** In Auto Changeover Mode, Press FUNCTION button to select Setting the Mode Change Temperature.



- 2** Press the TEMPERATURE SETTING button to set desired Mode Change Temperature. (Default value is 2°C(4°F).)

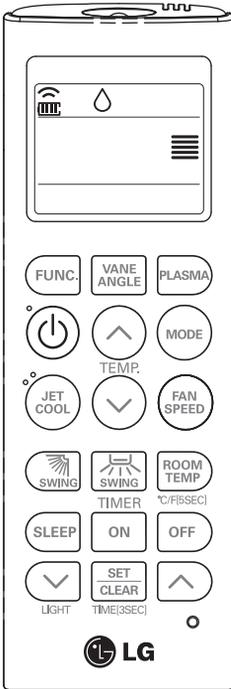


*** Mode Change Temp. Range**
: 1~7°C(2~14°F)

The Mode Change Temperature is the difference of temperature when from cooling mode to heating mode or from heating mode to cooling mode.

Ex) When setting temperature is 25°C(76°F) and room temperature is 20°C(68°F), then operating mode is heating. If you set the mode change temperature to 2°C(4°F), when the room temperature up to 27°C(25°C + 2°C)(80°F(76°F + 4°F)), the unit start cooling operation.

Dehumidification Mode



1 Press the ON/OFF button.
The unit will respond with beep sound.

2 Press MODE button to select Dehumidification Mode.

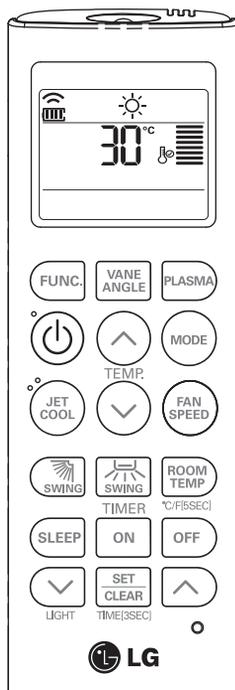
3 Set the fan speed. You can select the fan speed in four steps - low, medium, high, or chaos. Each time the button is pressed, the fan speed mode is shifted.

During Dehumidification Mode

- If you select the dehumidification mode on the operation selection button, the indoor unit 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 Mode

This Function is only for H/P model.



- 1** Press the ON/OFF button.
The unit will respond with beep sound.



- 2** Press MODE button to select Heating Mode.



- 3** Set the desired temperature by pressing TEMP button.
Press ROOM TEMPERATURE CHECKING button to check the room temperature.
When setting the desired temperature is lower than room temperature, heating wind isn't blow out.



To raise the temperature



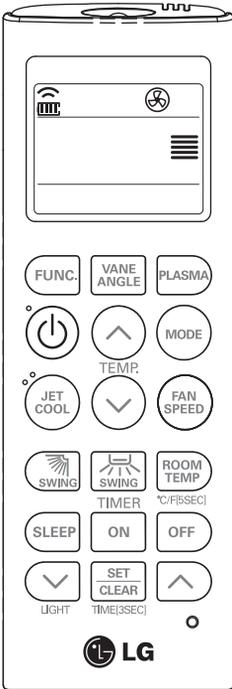
To lower the temperature

* **Setting Temp. Range in Heating Mode : 16~30°C (60°F~86°F)**

- 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.



Fan Mode



1 Press the ON/OFF button.
The unit will respond with beep sound.



2 Press MODE button to select Fan Mode.



3 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.



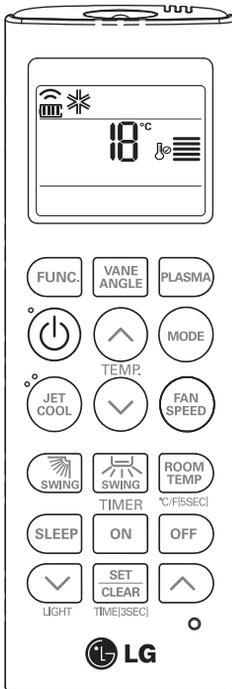
Natural Wind by the chaos Logic

- 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.

During Fan Mode

- The outdoor compressor doesn't work.
Have a function to circulate the indoor as it sends out the air that doesn't have much temperature difference with indoor.

Temperature Setting/Room Temperature checking



We can simply adjust the desired temperature

- Press the buttons to adjust the desired temperature



: Increase Temp. per one time pressing



: Decrease Temp. per one time pressing

Room temp: Indicate the current room temperature

Set temp: Indicate the temperature that user want to set

<Cooling Mode>

The cooling mode doesn't work if desired temperature is higher than room temperature Please lower the desired temperature

<Heating Mode>

The heating mode doesn't work if desired temperature is lower than room temperature Please increase the desired temperature

Whenever press ROOM TEMPERATURE button, the room temperature will be displayed within 5 seconds.

After 5 seconds, it turns to display the desired temperature.

Because of location of remote controller, the real room temperature and the this displayed value can be different.

Press ROOM TEMPERATURE button for 5 seconds, temperature unit change Celsius to Fahrenheit or Fahrenheit to Celsius.

Airflow Setting

Up/Down Airflow Direction Control (Optional)

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

1. Press the ON/OFF button to start the unit.
2. Press UP/DOWN AIRFLOW button and the louvers will swing up and down.
Press the UP/DOWN AIRFLOW button again to set the vertical louver at the desired airflow direction.



NOTE

- If you press the UP/DOWN AIRFLOW button, the horizontal airflow direction is changed automatically based on the Auto Swing algorithm to distribute the air in the room evenly and at the same time to make the human body feel more comfortable, as if enjoying a natural breeze.
- Always use the remote controller to adjust the up/down airflow direction. Manually moving the vertical airflow direction louver by hand, could damage the air conditioner.
- When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

Left/Right Airflow Direction Control (Optional)

The left/right(horizontal) airflow can be adjusted by using the remote control.

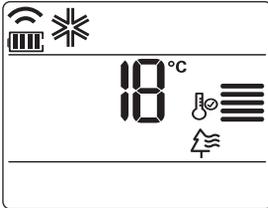
1. Press the ON/OFF button to start the unit.
2. Press the LEFT/RIGHT AIRFLOW button and the louvers will swing left and right. Press the Horizontal Airflow Direction Control Button again to set the horizontal louver at the desired airflow direction.



※ Up/Down and Left/Right Airflow function isn't shown on display of remote controller.

Sub function

Plasma Purification(Optional)



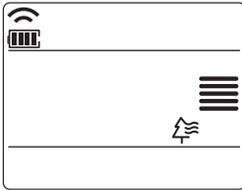
- 1 Press the ON/OFF button.
The unit will respond with beep sound.



- 2 Press the PLASMA button. Plasma Purification will start when the button is pressed and stop when the button is pressed again.



PLASMA Purification only



If you press the PLASMA button, Plasma Purification operates.

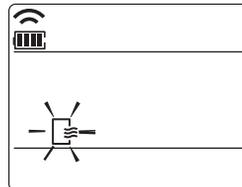
- Plasma filter is a technology developed by LG to get rid of microscopic contaminants in the intake air generating a plasma of high charge electrons. This plasma kills and destroys the contaminants completely to provide clean and hygienic air.
- This function can be used in any operation mode and any fan speed can be used while plasma filter is functioning.



Auto Clean (Optional)

This function operate when the unit is turned off.

- 1 Press the FUNCTION SETTING button 1 time.
Auto Clean symbol will blink.



- 2 Press the SET/CLEAR button to reserve or cancel the Auto Clean function.



If the Auto Clean function is reserved, whenever the unit is turned off, the indoor fan is still running for about 30 minutes internally without cooling or dehumidification operation. Also the louver is closed.

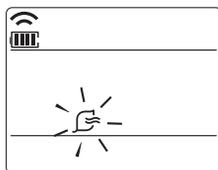
This dries up any remains of moisture & cleans the unit internally.

Smart Clean (Optional)

The Smart Clean function can be used by setting to manual or automatic.

Auto Smart Clean operation

If the accumulated operation time of the product exceeds 30 hours, the Smart Clean automatically starts when the unit is turned off.



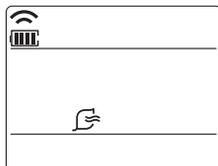
1. Press the FUNCTION SETTING button 2 times.
Smart Clean symbol will blink.

2. Press the SET/CLEAR button to reserve or cancel the Smart Clean function.

You can set/clear with out on or off.



Manual Smart Clean operation



1. When the unit stop, press the FUNCTION button to select Smart Clean.
Smart Clean symbol blinks, then press SET/CLEAR button.

2. To stop Manual Smart Clean operation, press the FUNCTION button to select Smart clean and press SET/CLEAR button.

The brush clean a dust from the filter by moving from left to right or from right to left on the filter.
The sucked dust is collected into the dust box.
The operating process of Smart Clean is different from the product type.

LCD Luminosity Control (Optional)

Press the LCD LUMINOSITY button.
It is comfortable when you feel that the display of the unit too bright .



Celsius/Fahrenheit Switching

Press the °C/°F SWITCH button to change from Celsius to Fahrenheit or from Fahrenheit to Celsius.

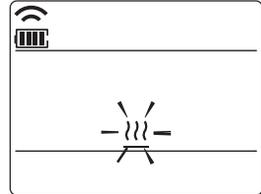
Whenever press TEMPERATURE SETTING button in Fahrenheit mode, the temperature will increase/drop 2°F.



Electric heater (Optional)

It can only be set during heating operation.

1 Press the FUNCTION SETTING button 3 times.
Electric heater symbol will blink.



2 Press the SET/CLEAR button to reserve or cancel the Electric heater function.



- The indoor unit displays during the heating mode, the Auxiliary heater is automatically turned on, but it is not displayed on the wireless remote controller separately.

- It operates in Floor heating mode in Console products.

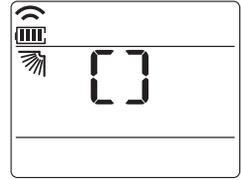
Individual vane angle control (Optional)

It is the function that can control 4 vane angles individually in the ceiling type 4Way cassette product group.

- 1** Press the VANE ANGLE button, Individual vane angle control symbol will blink.

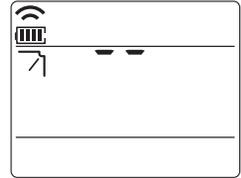


- If you press the VANE ANGLE button 3sec. all vanes are set to standard angle.



- 2** Set each vane angle by pressing up/down/left/right direction keys.

- Every time VANE ANGLE button is pressed, corresponding vane angle and set values are displayed.
- When temperature setting button is pressed, the display window appears as of the figure in the right, and the angle can be set to 1~6.



- There may be differences between wireless remote controller up/down/left/right buttons and the wind discharge port directions.
- Set desired angle with checking the vane angle movement of the product.
- The individual vane control function is an additional function of a product, and it may not work in some products.

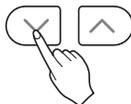
Timer

Setting the Current Time

1. Press the SET / CLEAN button for 3 seconds.



2. Press TIME SETTING buttons until the desired time is set. (If you press down the button for a long time, it will change quickly in the units of 10 min.)



3. Press the SET / CLEAN button.



NOTE

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

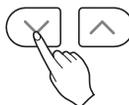
Sleep Timer Setting

1. Press the SLEEP button.



Timer Sleep

2. Press TIME SETTING buttons until the desired time is set. (7 hours is the maximum setting)



3. Press the SET / CLEAN button.



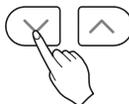
On Timer Setting

1. Press the ON button.



Timer ON

2. Press TIME SETTING buttons until the desired time is set.



3. Press the SET / CLEAN button.



Off Timer Setting

1. Press the OFF button.



Timer OFF

2. Press TIME SETTING buttons until the desired time is set.



3. Press the SET / CLEAR button.



To cancel the Timer Setting

- If you wish to cancel all timer setting, press the CLEAR ALL button.
- If you wish to cancel each timer setting, press the each timer button to turn timer sleep or on or off as you want. And then press the SET/CLEAR button aiming the remote controller at the signal receptor.
(The timer lamp on the air conditioner and the display will go off.)



