

# 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  
Original Instruction

Model Name :PWLSSB21H.APUNE



P/No. MFL37347415

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# Safety instructions

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

 This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

## **WARNING**

This indicates that the failure to follow the instructions can cause serious injury or death.

## **CAUTION**

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

## **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.
- 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

### 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 step on it.

## **CAUTION**

### Installation

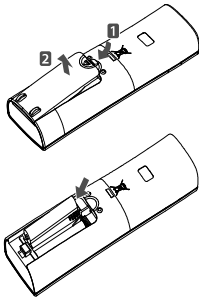
- If anyone other than a licensed Professional installs, repairs, or alters LG Electronics air conditioning products, the warranty is voided.
  - All costs associated with repair are then the full responsibility of the owner.
- Do not install the unit in potentially explosive atmospheres.

## Operating instruction

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### 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.

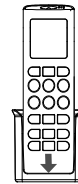
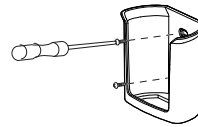


#### Note

- 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.



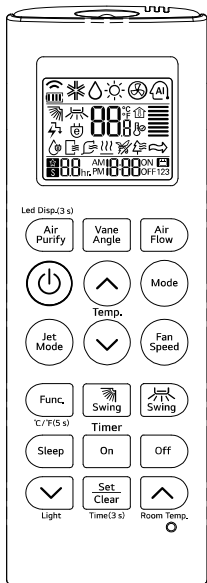
#### Note

- 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.

Part description



Accessory



Holder(1 EA)



Fixing screw (2 EA)



Owner's /  
Installation manual



AAA(1.5 V)  
Batteries(2 EA)

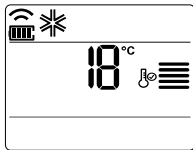
\* Components and printings may differ depending on the product.

Part	Description
	LCD
	Used to start or stop the air purification function. Smart indicator(Air quality) always on setting (If it press for 3 s)
	Used to set each vane angle.
	Used to set airflow.
	Used to turn on/off the unit.
	Used to select the room temperature.
	Used to select the operation mode.
	Speed cooling(heating) operates super high fan speed.
	Used to set fan speed.
	Used to set or clear additional function. Celsius/Fahrenheit Switching (If it press for 5 s)
	Used to stop or start louver movement and set the desired up/down airflow direction.
	Used to set the desired left/right(horizontal) airflow direction.
	Used to set the time of sleeping operation.
	Used to set the time of starting operation.
	Used to set the time of stopping operation.
	Used to set the timer. (If it is timer mode) Used to adjust the brightness. (If it is not timer mode) Used to check the room temperature. (If it is not timer mode)
	Used to set/clear the timer. Used to set the current time (If it press for 3 s)
	Used to reset the remote controller.

# Owner's Instruction

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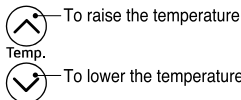
## Cooling Mode - Standard Operation



- 1 Press the button to start the unit.
- 2 Press the button to select Cooling Mode.
- 3 Set the desired temperature by pressing button.

Press the 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)



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



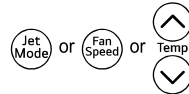
## Cooling Mode - Power Cooling



- 1 Press the button to start the unit.
- 2 Press the button to select Cooling Mode.
- 3 Press the 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 Mode 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

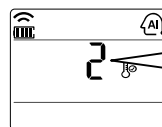
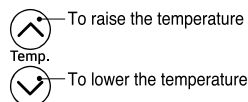


- 1 Press the button to start the unit.
- 2 Press the button to select Auto Operation Mode.
- 3 Set the desired temperature.

### <For Cooling Model>

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

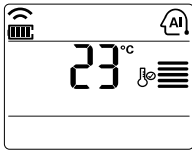
If you feel hot or cold, press the buttons for more cooling or heating effect. You cannot switch the indoor fan speed. It has already been set by the Auto Operation Mode rule.



\* Please select the code depend on your feeling.

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

## Auto Changeover Mode





1 Press the  button to start the unit.

2 Press the  button to select Auto Changeover Mode.

3 Set the desired room temperature.

\* Setting Temp. Range in Auto Changeover Mode : 18~30 °C (64~86 °F)

 To raise the temperature

 To lower the temperature

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

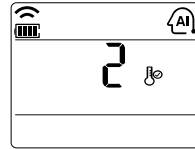



### During Auto changeover Mode

The air conditioner changes the operation mode automatically to keep indoor temperature. When room temperature vary over  $\pm 2\text{ }^{\circ}\text{C}$ (4 °F) with respect to setting temperature, air conditioner keeps the room temperature within  $\pm 2\text{ }^{\circ}\text{C}$ (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 the  button to select Setting the Mode Change Temperature.

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

 To raise the temperature

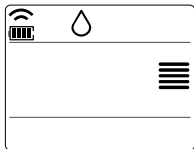
 To lower the temperature



\* 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  button to start the unit.
- 2 Press the  button to select Dehumidification Mode.
- 3 You can select the fan speed in five steps - super low, low, medium, high and 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 - Standard Operation



- 1 Press the  button to start the unit.
- 2 Press the  button to select Heating Mode.
- 3 Set the desired temperature by pressing



Press the  button to check the room temperature.

When setting the desired temperature is lower than room temperature, heating wind isn't blow out.



Temp. To raise the temperature



To lower the temperature

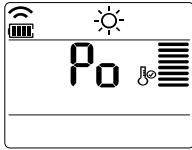
\* Setting Temp. Range in Heating Mode :  
16~30 °C (60 °F~86 °F)




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





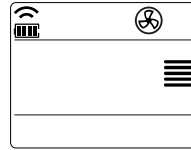
## Heating Mode - Power Heating





- 1 Press the  button to start the unit.
- 2 Press the  button to select heating Mode.
- 3 Press the  button. The unit will operate in super high fan speed in heating mode.
  - \* Wall mounted models operate power heating mode for 30 minutes.
  - \* This function may not work in some products.
- 4 To cancel the Power Heating Mode press the Jet Mode button or the fan speed button or the room temperature setting button again and the unit will operate in high fan speed in heating mode.



## Fan Mode



- 1 Press the  button to start the unit.
- 2 Press the  button to select Fan Mode.
- 3 You can select the fan speed in five steps - super low, low, medium, high and 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

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We can simply adjust the desired temperature.

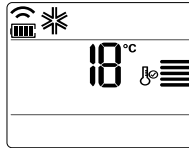
- Press the buttons to adjust the desired temperature.



: 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 the  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.


## 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  button to start the unit.
- 2 Press the  button and the louvers will swing up and down.  
Press the  button again to set the vertical louver at the desired airflow direction.

#### Note




If you press the  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  button to start the unit.
- 2 Press the  button and the louvers will swing left and right.  
Press the  Button again to set the horizontal louver at the desired airflow direction.

### Indirect Wind

It adjusts the wind direction to indirect wind.



- 1 Press the  button repeatedly until  icon displayed.
- 2 Press the  button to set this function.

※ To cancel the function, press the  button, or press the  button to change the vane angle.




#### Note



The above function may not be supported by some products.

### Direct Wind

It adjusts the wind direction to direct wind.



- 1 Press the  button repeatedly until  icon displayed.
- 2 Press the  button to set this function.

※ To cancel the function, press the  button, or press the  button to change the vane angle.

#### Note

The above function may not be supported by some products.

## Smart Mode

It is the function to set the Smart Mode operation of the product.



- 1 Press the **Air Flow** button repeatedly until icon displayed.
- 2 Press the **Set/clear** button to set or cancel this function.

### Note

- Smart Mode function can only be selected in the cooling and heating modes.
- Smart Mode / Energy Saving Cooling / Refresh Mode functions cannot be set at the same time.
- The above function may not be supported by some products.

## Refresh Mode

It is the function to set the Refresh Mode operation of the product.



- 1 Press the **Air Flow** button repeatedly until icon displayed.
- 2 Press the **Set/clear** button to set or cancel this function.
- 3 When set, it is displayed with the animated effect in the order of → → .

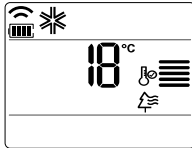
### Note





- Refresh Mode function can only be selected in the cooling and heating modes.
- Smart Mode / Energy Saving Cooling / Refresh Mode functions cannot be set at the same time.
- The above function may not be supported by some products.

## Sub function

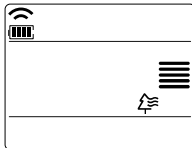
\* Sub function may not work in some products.


### Air Purification (Optional)




- 1 Press the  button to start the unit.
- 2 Press the  button.  
Air Purification will start when the  button is pressed and stop when the  button is pressed again.

#### Air Purification only



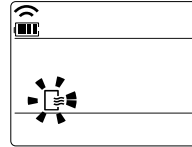
When the  button is pressed while the unit is stopped, Air Purification will start independently.




### Smart Indicator (Air Quality) Always On Setting (Optional)

Press the  button for 3 seconds, Air quality level will always be displayed on Smart Indicator of the product.

### Auto Clean (Optional)




This function operate when the unit is turned off.



- 1 Press the  button repeatedly until Auto Clean icon  displayed.
- 2 Press the  button to set 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.

### Energy Saving Cooling (Optional)

Energy Saving Cooling is the function to adjust the desired temperature during cooling operation to enhance the comfort of the user and improve the energy saving performance.

- 1 Press the  button repeatedly until Energy Saving Cooling icon  displayed.
- 2 Press the  button to set or cancel the Energy Saving Cooling function.

#### Note

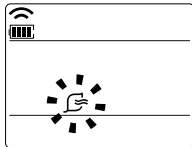
- It can be selected only during the cooling operation.
- When pressing Energy Saving Cooling while cooling at 22 °C or lower, it is automatically set to 22 °C.
- During the Energy Saving Cooling operation, the temperature on the remote control may be displayed differently from the air conditioner display.
- Smart Mode / Energy Saving Cooling / Refresh Mode functions cannot be set at the same time.


## Smart Clean (Optional)

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

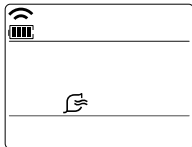
### Auto Smart Clean operation

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 **Func.** button repeatedly until Smart Clean icon  displayed.
- 2 Press the **Set/Clear** button to set or cancel the Smart Clean function.  
You can set/clear without on or off.

### Manual Smart Clean operation




- 1 When the unit stop, press the **Func.** button to select Smart Clean.  
Smart Clean symbol blinks, then press the **Set/Clear** button.
- 2 To stop Manual Smart Clean operation, press the **Func.** button to select Smart clean and press the **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.

## Brightness Setting (Optional)

Press the  button to turn on/off the LED of the product.

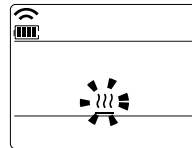
## Celsius/Fahrenheit Switching


Press the **Func.** button for 5 seconds, temperature unit change Celsius to Fahrenheit or Fahrenheit to Celsius.

Whenever press the   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 **Func.** button repeatedly until Electric heater icon  displayed.
- 2 Press the **Set/Clear** button to set 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.

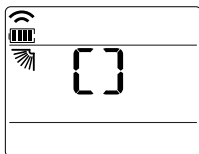
It operates in Floor heating mode in Console products.

## 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  button, Individual vane angle control symbol will blink.

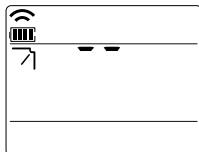
If you press the  button 3sec. all vanes are set to standard angle.



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

Every time press the  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.

## Comfort Cooling (Optional)

This function is automatically control the cooling strength to maintain the pleasant feeling without turning off the product after the indoor temperature reached the desired temperature.





- 1 Press the  button repeatedly until comfort cooling icon  displayed.

- 2 Press the  button.

## Timer

ENGLISH


### Setting the Current Time

- 1 Press the  button for 3 seconds.
- 2 Press the   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  button.




#### Note

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


### Sleep Timer Setting

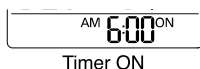
- 1 Press the  button.



- 2 Press the   buttons until the desired time is set. (7 hours is the maximum setting)
- 3 Press the  button.


### On Timer Setting

- 1 Press the  button.






- 2 Press the   buttons until the desired time is set.
- 3 Press the  button.


### Off Timer Setting

- 1 Press the  button.




- 2 Press the   buttons until the desired time is set.
- 3 Press the  button.

### To cancel the Timer Setting

If you wish to cancel all timer setting, press the  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.

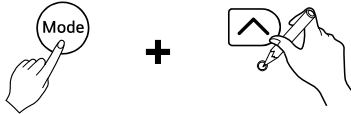
And then press the  button aiming the remote controller at the signal receptor.  
(The timer lamp on the air conditioner and the display will go off.)



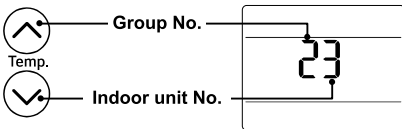
## Installation instructions

### Setting address of central control

- 1 With the **Mode** button pressed, press the reset button.



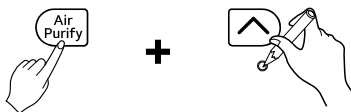
- 2 By using the **Temp.** or **Indoor unit No.** button, set the indoor unit address.  
- Setting range : 00 ~ FF



- 3 After setting the address, press the **Temp.** 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.

### Checking address of central control

- 1 With the **Air Purify** button pressed, press the reset button.



- 2 Press the **Temp.** 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.

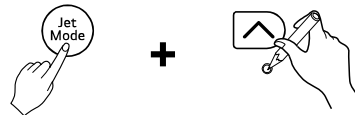
- 3 Reset the remote controller to use the general operation mode.

### How to enter installer setting mode

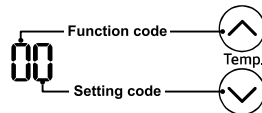
#### CAUTION

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 With the **Jet Mode** button pressed, press the reset button.



- 2 By using the **Temp.** or **Setting code** button, set function code and setting value. (Please refer the installer setting code table.)



- 3 Press the **Temp.** button toward the indoor unit 1 time.
- 4 Reset the remote controller to use the general operation mode.

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.





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