

## OWNER'S MANUAL

# AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference. Installation work must be performed in accordance with the national wiring standards by authorized personnel only.

This equipment shall be provided with a supply conductor complying with the national regulation.

### CEILING CASSETTE

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## TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

### *For your records*

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number : \_\_\_\_\_

Serial number : \_\_\_\_\_





You can find them on a label on the side of each unit.

Dealer's name : \_\_\_\_\_

Date of purchase : \_\_\_\_\_


# SAFETY INSTRUCTIONS

The following symbols are displayed on indoor and outdoor units.

	Read the precautions in this manual carefully before operating the unit.		This appliance is filled with flammable refrigerant.(for R32)
	This symbol indicates that the Operation Manual should be read carefully.		This symbol indicates that a service personnel should be handling this equipment with reference to the Installation Manual.

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 or repairs made by unqualified persons can result in hazards to you and others.
- The product shall be installed according to the Wiring regulations of the corresponding country.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

### Installation

- Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit. There is risk of fire or electric shock.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product. There is risk of fire or electric shock.
- Always ground the product. There is risk of fire or electric shock.
- Install the panel and the cover of control box securely. There is risk of fire or electric shock.
- Always install a dedicated circuit and breaker. Improper wiring or installation may cause fire or electric shock
- Use the correctly rated breaker or fuse. There is risk of fire or electric shock.
- Do not modify or extend the power cable. There is risk of fire or electric shock.
- Do not install, remove, or re-install the unit by yourself (customer). There is risk of fire, electric shock, explosion, or injury.

- Be cautious when unpacking and installing the product. Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.
- For installation, always contact the dealer or an Authorized Service Center. There is risk of fire, electric shock, explosion, or injury.
- Do not install the product on a defective installation stand. It may cause injury, accident, or damage to the product.
- Be sure the installation area does not deteriorate with age. If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.
- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open. Moisture may condense and wet or damage furniture.
- Do not install the product on a defective installation stand. It may cause injury, accident, or damage to the product.
- Do not turn on the breaker or power under condition that front panel, cabinet, top cover, control box cover are removed or opened. Otherwise, it may cause fire, electric shock, explosion or death.
- Use a vacuum pump or Inert (nitrogen) gas when doing leakage test or air purge. Do not compress air or Oxygen and Do not use Flammable gases. Otherwise, it may cause fire or explosion. There is the risk of death, injury, fire or explosion.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation. (for R32)
- Ducts connected to an appliance shall not contain an ignition source. (for R32)
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)
- Keep any required ventilation openings clear of obstruction.

### Operation

- Take care to ensure that power cable could not be pulled out or damaged during operation. There is risk of fire or electric shock.
- Do not place anything on the power cable. There is risk of fire or electric shock.
- Do not plug or unplug the power supply plug during operation. There is risk of fire or electric shock.
- Do not touch(operate) the product with wet hands. There is risk of fire or electrical shock.
- Do not place a heater or other appliances near the power cable. There is risk of fire and electric shock.
- Do not allow water to run into electric parts. It may cause There is risk of fire, failure of the product, or electric shock.
- Do not store or use flammable gas or combustibles near the product. There is risk of fire or failure of product.
- Do not use the product in a tightly closed space for a long time. Oxygen deficiency could occur.
- When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on. Do not use the telephone or turn switches on or off. There is risk of explosion or fire
- If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable. There is risk of electric shock or fire.
- Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives. There is risk of property damage, failure of product, or electric shock.
- Do not open the inlet grill of the product during operation.(Do not touch the electrostatic filter, if the unit is so equipped.) There is risk of physical injury, electric shock, or product failure.
- When the product is soaked (flooded or submerged), contact an Authorized Service Center. There is risk of fire or electric shock.
- Be cautious that water could not enter the product. There is risk of fire, electric shock, or product damage.
- Ventilate the product from time to time when operating it together with a stove, etc. There is risk of fire or electric shock.
- Turn the main power off when cleaning or maintaining the product. There is risk of electric shock.
- When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker. There is risk of product damage or failure, or unintended operation.

- Take care to ensure that nobody could step on or fall onto the outdoor unit. This could result in personal injury and product damage.

## CAUTION

### Installation

- Always check for gas (refrigerant) leakage after installation or repair of product. Low refrigerant levels may cause failure of product.
- Install the drain hose to ensure that water is drained away properly. A bad connection may cause water leakage.
- Keep level even when installing the product. To avoid vibration or water leakage.
- Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods. It may cause a problem for your neighbors.
- Use two or more people to lift and transport the product. Avoid personal injury.
- Do not install the product where it will be exposed to sea wind (salt spray) directly. It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.
- Do not install the unit in potentially explosive atmospheres.
- 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.

### Operation

- Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.) This could harm to your health.
- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. There is risk of damage or loss of property.
- Do not block the inlet or outlet of air flow. It may cause product failure.
- Use a soft cloth to clean. Do not use harsh detergents, solvents, etc. There is risk of fire, electric shock, or damage to the plastic parts of the product.
- Do not touch the metal parts of the product when removing the air filter. They are very sharp! There is risk of personal injury.
- Do not step on or put anything on the product. (outdoor units) There is risk of personal injury and failure of product.
- Always insert the filter securely. Clean the filter every two weeks or more often if necessary. A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.
- Do not insert hands or other objects through the air inlet or outlet while the product is operated. There are sharp and moving parts that could cause personal injury.
- Do not drink the water drained from the product. It is not sanitary and could cause serious health issues.
- Use a firm stool or ladder when cleaning or maintaining the product. Be careful and avoid personal injury.
- Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries. There is risk of fire or explosion
- Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire. They may burn or explode.
- If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.
- If you eat the liquid from the batteries, brush your teeth and see doctor. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.

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# BEFORE USE

## Preparing for operation

- Contact an installation specialist for installation.
- Use a dedicated circuit.

## Usage

- Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
- Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

## Cleaning and maintenance

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

## Service

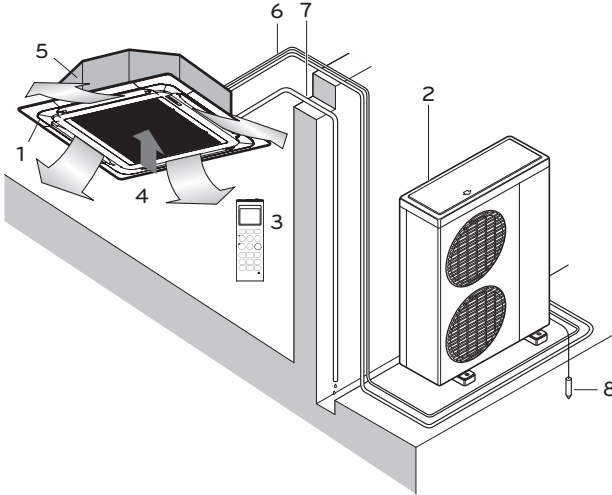
For repair and maintenance, contact your authorized service dealer.

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.

# PRODUCT INTRODUCTION

## Name and function of parts



- 1 Indoor unit
- 2 Outdoor unit
- 3 Remote controller
- 4 Inlet air
- 5 Discharge air
- 6 Refrigerant piping, connection electric wire
- 7 Drain pipe
- 8 Ground wire  
Wire to ground outdoor unit to prevent electrical shocks.



## Forced Operation

Forced operation is used when the remote controller can't be used.

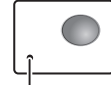
- The operation will be started if the ON/OFF button is pressed.

Type 1



Forced Operation Button

Type 2



Forced Operation Button

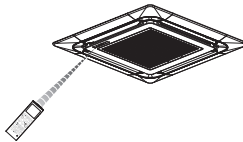
## Test Operation

During the TEST OPERATION, the unit operates in cooling mode at high speed fan, regardless of room temperature, and resets after 18 minutes. During test operation, if the remote controller signal is received, the unit can be set by the remote controller. If you want to use this operation, Press and hold the ON/OFF button for 3 ~ 5 seconds, then the buzzer sound 1 will 'beep'. If you want to stop the operation, re-press the button.

## Operating Method

The signal receiver is inside the unit.

- Point the remote control towards the signal receiver at the right side of the air conditioner to operate it.
  - There should not be any obstacles blocking the remote controller.

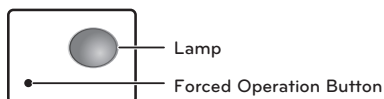


## Operation Indication Lamps

### Type 1

Ⓛ	On/Off	Lights up during the system operation.
🧼	Filter Sign	Lights up after 2 400 hours from the time of first operating unit.
🕒	Timer	Lights up during Timer operation.
❄️	Defrost Mode	Lights up during Defrost Mode or Hot Start operation. (Heat pump model only)
•	Forced Operation	To operate the unit when the remote control can't be used for any reason.

### Type 2



Description	Lamp Color
Cooling mode	Green
Heating mode	Green
Time to clean filter in cooling/heating mode	Yellowish Green
Time to clean filter when product is not operating	Orange
Hot start or defrost mode before starting heating mode	Green
When reservation set on	Yellowish Green

## Auto Restart Function

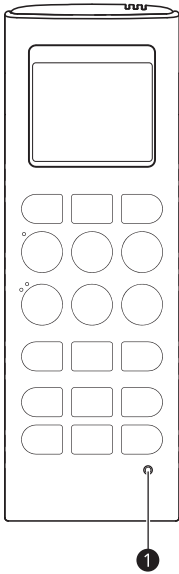
This function is useful in the case of power failure. When power regains after a failure this feature restores the previous operating condition and the air conditioner will run in the same settings.

### NOTE

- This feature is enabled by the factory default settings, but you can disable it by pressing and holding the ON/OFF button for 6 seconds. The unit will beep twice and the lamp will blink 8 times.
- To enable it, press the button again for 6 seconds. The unit will beep twice and the blue lamp will blink 4 times.

## Wireless Remote Controller

This air-conditioner is equipped with wireless remote controller basically. But if you want to be available with wired remote controller, you pay for it.



Button	Display	Button Description
	-	Used to turn on/off the unit.
<b>AIR PURIFY</b>		Used to start or stop the air purification function.
<b>PLASMA</b>		Used to start or stop the plasma-purification function.
<b>VANE ANGLE</b>		Used to set each vane angle.
<b>AIR FLOW</b>		Used to set airflow.
	<b>88°</b>	Used to select the room temperature.
<b>MODE</b>	-	Used to select the operation mode.
<b>JET MODE</b>	<b>Po</b>	To change room temperature quickly.
<b>JET COOL</b>		
<b>FAN SPEED</b>		To adjust the fan speed.
<b>FUNC.</b>		Used to set or clear additional function.
		To adjust the air flow direction vertically or horizontally.
<b>ROOM TEMP</b>		Used to check the room temperature.
<b>SLEEP</b>		Used to set the time for the sleep function.
<b>ON</b>	-	Used to set the start time.
<b>OFF</b>	-	Used to set the stop time.
	-	Used to set the timer. Used to adjust the brightness. Used to check the room temperature. (If it is not time adjust mode)
<b>SET/CLEAR</b>	-	Used to set/clear the timer. Used to set the current time. (hold button for 3 seconds)
<b>1 RESET</b>	-	To initialize the remote control settings.

**! NOTE**

- Depending on the product type, some functions may not be available and displayed.
- Some products don't receive the wired signals.
- When using the simultaneous operation system, the system will operate approximately 1 - 2 minutes after pressing the remote controller button.
- The displayed temperature can be different from the actual room temperature if the remote controller is installed somewhere exposed to direct sunlight or is nearby a heat source.
- Depending on the product, wireless and wired remote control are optional or basic.
- Operation Modes : Cooling Mode → Auto Operation → Dehumidification Mode → Heating Mode → Fan Mode.
- Heating Mode is not available for Cooling only Models.
- Buttons may be changed according to the type of model.

**! NOTE**

- The wireless remote controller do not operate the swirl mode.(4Way Type)
- For more details refer to the Wireless Remote Control Accessory manual.
- The actual product can be different from above contents depending upon model type.

**! CAUTION****Caution of handling the Remote Controller**

- Aim at the signal receiver on the wired 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.
- Do not drop or throw the remote controller.
- Do not place the remote controller in a location exposed to direct sunlight, or near the heating unit, or any other heat source.
- Block a strong light over the signal receptor with a curtain or etc. so as to prevent the abnormal operation. (ex:electronic quick start, ELBA, inverter type fluorescent lamp)

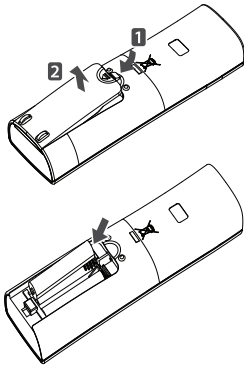
# OPERATING INSTRUCTION

## How to insert the Batteries

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.



### ! NOTE

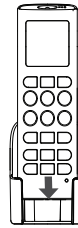
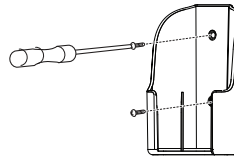
- Always use/replace both batteries of same type.
- If the system is not to be used for a long time, remove the batteries to save their working life.
- If the display screen of remote controller starts, fading replace both of the batteries.

## Wireless Remote Controller Maintenance

Choose a suitable place where its safe & easy to reach.

Fix the holder to wall etc with the supplied screws firmly.

Slide the remote controller inside the holder.



### ! NOTE

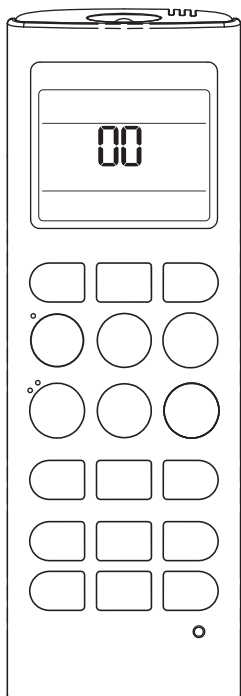
- Remote controller should never be exposed to direct sunlight.
- Signal transmitter & receiver should always be clean for proper communication. Use a soft cloth to clean them.
- In case some other appliances also get operated with remote control, change their position or consult your serviceman.

# INSTALLATION INSTRUCTIONS

## 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 an 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 COOL button pressed, press the 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	0.0
			1 : Set to Slave	0.1
1	Ceiling Height Selection	1	1 : Standard	1.1
			2 : Low	1.2
			3 : High	1.3
			4 : Super High	1.4
2	Group Control	2	0 : Set to Master	2.0
			1 : Set to Slave	2.1
			2 : Check Master/Slave	2.2
	Auxiliary heater	2	3 : Set to Auxiliary heater	2.3
			4 : Cancel Auxiliary heater	2.4
			5 : Check Auxiliary heater Installation	2.5

#### Mode Override

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

#### Ceiling Height Selection

Our products provide variety of air volumes and capacities according to the selection of ceiling heights.

Cooling/Heating performance is enhanced with relation to ceiling height.

- The highest/cooling heating performance and efficiency are provide at super high.

(Some noise may be generated according to the level height setting.)

#### Group Control

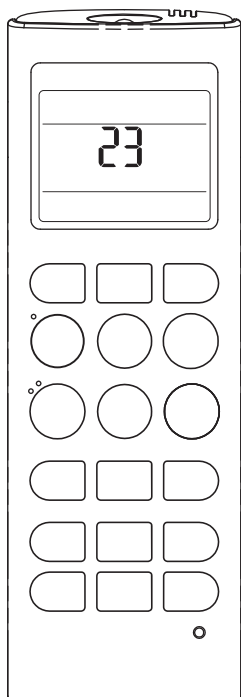
This function is only for group control. Please don't set this function in case of non-group control.

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.

## 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 With the FUNC. button pressed, press the 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.



# OWNER'S INSTRUCTION

## Cooling Mode


- 1 Turn the appliance on.
- 2 Press MODE button repeatedly to select the Cooling Mode.  
-  is displayed on the display screen.
- 3 Press  or  button to set the desired temperature.
- 4 Press FAN SPEED button repeatedly to adjust the fan speed.

### ! NOTE

- Press the ROOM TEMP button to check the Room temperature.
- When setting the desired temperature higher than the current room temperature, the unit will produce only ventilation wind.

## Power Cooling Mode

This cools the room with a comfortable and clean wind.

- 1 Turn the appliance on.
- 2 Press MODE button repeatedly to select the Cooling Mode.
- 3 Press JET MODE or JET COOL button.  
-  is displayed on the display screen.

### ! NOTE

- To cancel the Power Cooling Mode, Press the JET MODE or JET COOL button, the FAN SPEED button or the ROOM TEMP button.
- This rapidly lowers the room temperature.
- Partial appliance has no Power Cooling function.
- The unit will operate at a high fan speed in cooling mode.
- The feature may be changed according to the type of model.


## Auto Operation Mode

This mode automatically sets the fan speed and temperature depending on the room temperature.



### Cooling Only Model

In this mode, you cannot adjust the fan speed, but you can set the air deflector to rotate automatically.

- 1 Turn the appliance on.
- 2 Press MODE button repeatedly to select the Auto Operation Mode.

-  is displayed on the display screen.



- 3 Press  or  button to set the desired temperature.  
- Please select the code depend on your feeling.




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



## Cooling & Heating Model

This mode changes the mode automatically to maintain the set temperature at  $\pm 2$  °C.

- 1 Turn the appliance on.
- 2 Press MODE button repeatedly to select the Auto Operation Mode.

-  is displayed on the display screen.



- 3 Press  or  button to set the desired temperature.  
- Setting temp range: 18 °C ~ 30 °C
- 4 Press FAN SPEED button repeatedly to adjust the fan speed.

### 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.

### NOTE

The feature may be changed according to the type of model.

## Dehumidification Mode

It removes humidity while slightly cooling the air.

- 1 Turn the appliance on.
- 2 Press MODE button repeatedly to select the Dehumidification Mode.
  -  is displayed on the display screen.
- 3 Press FAN SPEED button repeatedly to adjust the fan speed.


### ! NOTE

- The temperature setting can not be adjusted when this mode is operating.
- During rainy seasons or in high-humidity climates, it is possible to simultaneously operate the dehumidifier and cooling mode to remove humidity effectively.
- The menu item of wind powerfulness might not be partially selected according to the product.

### 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.

## Fan Mode

- 1 Turn the appliance on.
- 2 Press MODE button repeatedly to select the Fan Mode.
  -  is displayed on the display screen.
- 3 Press FAN SPEED button repeatedly to adjust the fan speed.

### ! NOTE

- Natural wind based on chaos logic
  - For a fresher feeling than other fan speeds, press the Indoor Favn Speed Selector and set to chaos mode. In this mode, the wind blows like a natural breeze by automatically changing fan speed based on 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.

### 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



TEMP.



: Increase 1°C or 1°F per one time pressing

: Decrease 1°C or 1°F 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 the desired temperature is higher than room temperature.  
Please lower the desired temperature.
- Setting temp range: 18 °C ~ 30 °C

### <Heating Mode>

- The heating mode doesn't work if the desired temperature is lower than room temperature.
- Please increase the desired temperature.
- Setting temp range: 16 °C ~ 30 °C

When pressing the FAN SPEED button of the remote controller for approx. 3 seconds, the room temperature will be displayed for about 5 seconds before returning to the previous display panel.



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 Turn the appliance on.
- 2 Press  button.  
- The louvers will swing up and down.
- 3 Press  button again to set the vertical louver at the desired airflow direction.

#### ! NOTE

- If you press  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.
- Some functions may not be supported, depending on the model.

### Left/Right Airflow Direction Control (Optional)

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

- 1 Turn the appliance on.
- 2 Press  button.  
- The louvers will swing left and right.
- 3 Press  button again to set the horizontal louver at the desired airflow direction.


#### ! NOTE

Some functions may not be supported, depending on the model.

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

## Air Purification / Plasma Purification (Optional)

Press AIR PURIFY or PLASMA button.

 is displayed on the display screen.

### NOTE

- If you wish to stop, press AIR PURIFY or PLASMA button again.
- When AIR PURIFY button is pressed while the unit is stopped, Air Purification will start independently.
- Plasma filter is a technology developed by LG to get rid of microscopic contaminants in the intake air by generating a plasma of highly charged 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 the plasma filter is functioning.
- Some functions may not be supported, depending on the model.

## Celsius/Fahrenheit Switching

Press and hold the ROOM TEMP or FUNC. button long for 5 seconds to change from Celsius to Fahrenheit or from Fahrenheit to Celsius.

### NOTE

Some functions may not be supported, depending on the model.

## Checking the Air Condition during Air Purification Operation

Press the dust status button during air purification operation.

### Global

Display Color	Dust State	Concentration of dust (µg/m <sup>3</sup> )	
		PM10	PM2.5/1.0
Green	Good	54 ↓	12 ↓
Yellow	Moderate	55-154	13-35
Orange	Unhealthy	155-254	36-55
Red	Poor	255 ↑	56 ↑

### China/India

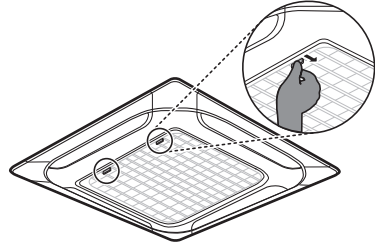
Display Color	Dust State	Concentration of dust (µg/m <sup>3</sup> )	
		PM10	PM2.5/1.0
Green	Good	50 ↓	35 ↓
Yellow	Moderate	51-150	36-75
Orange	Unhealthy	151-250	76-115
Red	Poor	251-350	116-150
Pink	Very poor	351-420	151-250
Violet	Severe	421 ↑	251 ↑

**! NOTE**

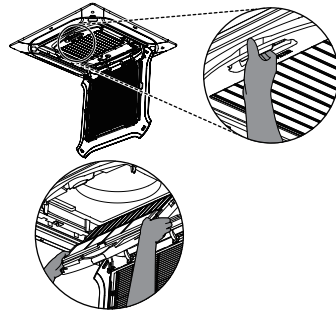
- The dust concentration is displayed from 8 to 999 by the unit of 1.
- The dust concentration referred to the data sheet of the sensor manufacturer.
- The dust concentration criteria for PM1.0 were set based on the same criteria as PM2.5. (Company standard)
- The dust concentration and level displayed on the product may differ from other measuring instruments or other products.
- The displayed dust concentration values can differ from each other depending on the differences in dust measuring methods and also from the actual dust density.
- The dust concentration evaluation is carried out with our company's standard test dust.
- If you use a product generating steam or fine particles (humidifier, cooking appliances, sprays, etc.), the dust concentration may change.
- The dust concentration may vary depending on the installation environment and surrounding environment.
- It is also affected by sofas, beds, carpets, vacuum cleaners, humidity, smoke, bugs, pets, etc.
- It is affected by construction sites, roadsides and factories.
- Dust concentrations can be measured to be higher in an environment where external air is introduced, such as near the entrance, windows and ventilation openings.
- This is an additional function of the product and may not work in some products.

## Cleaning the deodorization filter/PM1.0 filter (Optional) - 4WAY

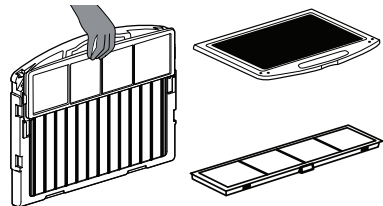
- 1 Press the fixing hooks on both sides and open the front grille.



- 2 Remove PM1.0 filter by pressing the fixing hook.



- 3 Remove the photocatalyst Deodorization filter by pulling upward.



- 4 After assembling in reverse order, close the front grille.

**! WARNING**

For safety, turn off the main power switch.

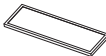

**! CAUTION**

- Be careful that the filter case is correctly assembled to the filter holder.
- Be careful not to drop the front grille when removing the filter.
- Do not wash the dust filter with hot water over 40°C or volatile liquids.
- Do not wash the photocatalytic Deodorization filter in water.
- After cleaning PM1.0 filter, the buzzer sounds 7 times if the water is not completely dry. Dry the filter thoroughly.
- Drying the filter near a fire or in direct sunlight may cause damage to the filter.
- Wear gloves during installation.

**! NOTE**

- The quantity and type of filters provided by each model may differ.
- The feature may be changed according to the type of model.
- Some functions may not be supported, depending on the model.

**Filter Information**

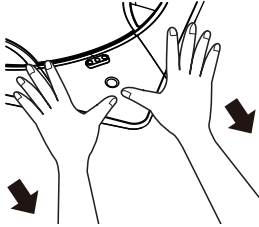
Filter Name	Filter Description
Deodorization filter 	<ul style="list-style-type: none"> <li>- Dry for 3 hours in sunlight or under fluorescent light.</li> <li>- It is recommended to clean it every six months. (assuming 8 hours of daily use)</li> <li>- Washing the filter with water could damage or deform it.</li> </ul>
PM1.0 filter 	<ul style="list-style-type: none"> <li>- Clean the filter without disassembling it.</li> <li>- Submerge PM1.0 filter in water, shaking it several times to clean it.</li> <li>- If the filter is very dirty, soak it for 30 minutes in lukewarm water with mild detergent and rinse thoroughly with clean water. (Do not use acidic detergents such as citric acid.)</li> <li>- It is recommended to clean it every six months.</li> <li>- Dry it thoroughly in the shade for about a day. (If there is any remaining moisture, the buzzer will sound 7 times.) Drying with a hot air heater, such as a hair dryer or a heater, could damage or deform the filter.</li> <li>- The inside of the filter is sharp, so do not rub or touch it directly.</li> </ul>



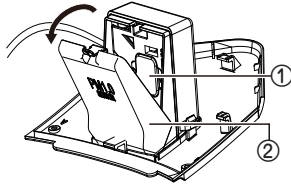
## Cleaning the PM1.0 Sensor - 4WAY

### PM1.0 Sensor

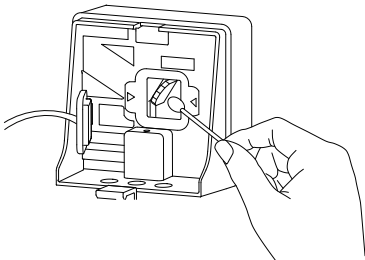
- 1 Remove the dust sensor corner cover on the front panel.



- 2 Open the PM1.0 sensor case on the side of the PM1.0 Sensor case and remove the rubber cap.



- 3 Use a cotton swab to wipe the dirt off the lens, and then use a dry swab to remove the moisture.



Tighten the rubber cap, close the PM1.0 sensor case, and assemble the PM1.0 Sensor corner cover to its original position.

- ① Rubber cap
- ② PM 1.0 sensor case

### ! WARNING

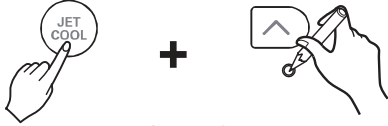
- For safety, turn off the main power switch.
- Be careful not to drop the product when removing the PM1.0 Sensor corner cover.
- Be careful of falling accidents when cleaning the PM1.0 Sensor.

### ! NOTE

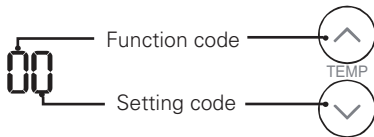
- It is recommended to clean it every six months. (assuming 8 hours of daily use)
- PM1.0 Sensor is only included with Air purification panel.
- The feature may be changed according to the type of model.
- Some functions may not be supported, depending on the model.


## How to set Air quality level color

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



- 2 By using the  or  button, set function code and setting value.



- 3 Press the  button toward the indoor unit 1 time.  
Each countries have different standards for indicating Overall air quality.  
Please refer to table below.

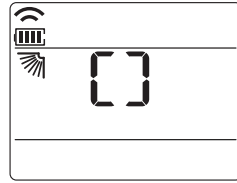
Value	Step	Overall Air Quality.
Type1 (1beep)	4step (For Korea)	Good/Moderate/ Unhealthy/Poor
Type2 (2beep)	4step (For Global)	Good/Moderate/ Unhealthy/Poor
Type3 (3beep)	6step (For China)	Good/Moderate/ Unhealthy/Poor/ Very Poor/ Severe

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

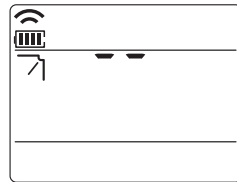
## Individual vane angle control

This is the function that controls the vane angles individually in the ceiling cassette products.

- 1 Press VANE ANGLE button.  
- The individual vane angle control symbol will blink.



- 2 Set each vane angle by pressing VANE ANGLE button.





- 3 Press SET/CLEAR button to set or cancel this function.

### NOTE

- There may be differences between the up/down/left/ right buttons on the wireless remote controller and the wind discharge port directions.
- Set the desired angle while checking the movement and angle of the product's vanes.
- Some functions may not be supported, depending on the model.

## Timer

### Setting the Current Time

- 1 Press SET/CLEAR button for 3 seconds.
- 2 Press  or  button until the desired time is set.  
- If you press down and hold the button for a long time, the time will change more quickly in 10 minute increments.



#### ! NOTE

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

### Sleep Timer Setting

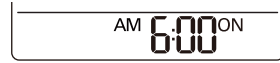
- 1 Turn the appliance on.
- 2 Press SLEEP button to turn the timer on or off.





- 3 Press  or  button until the desired time is set.  
- 7 hours is the maximum setting.
- 4 Press SET/CLEAR button.

### Setting the On Timer

- 1 Press ON button to turn the timer on or off.





- 2 Press  or  button until the desired time is set.
- 3 Press SET/CLEAR button.

### Setting the On Timer

- 1 Press OFF button to turn the timer on or off.



- 2 Press  or  button until the desired time is set.
- 3 Press SET/CLEAR button.

### Canceling the Timer Setting

You can cancel all timer settings.

- Press SET/CLEAR button.

#### ! NOTE

- If you wish to cancel a specific timer setting, press the each timer button to turn on or off the Sleep Timer, On Timer, or Off Timer as you want. Then press the SET/CLEAR button while aiming the remote controller at the signal receptor.
- The timer lamp on the air conditioner and the display will go off.

# MAINTENANCE AND SERVICE

## Indoor Unit

### Grille, Case and Remote Control

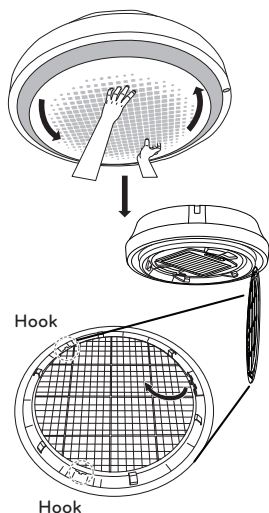
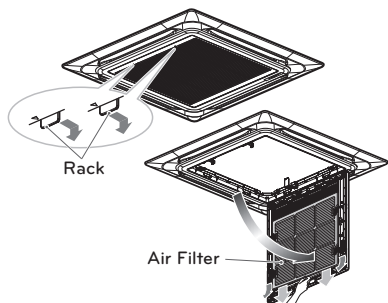
- Turn the system off before cleaning, To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

#### NOTE

Supply power must be disconnected before cleaning 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 necessary.



- Never use any of the followings:

Water hotter than 40°C.

Could cause deformation and/or discoloration.

Volatile substances.

Could damage the surfaces of the air conditioner.



- Remove the Air filters.

Take hold of the tab and pull slightly forward to remove the filter.

#### CAUTION

When the air filter is to be removed, do not touch the metal parts of the indoor unit.

It may cause an injury.

- Clean dirt from the air filter using a vacuum cleaner or washing with water.

If dirt is conspicuous, wash with a neutral detergent in lukewarm water.

If hot water (50°C or more) is used, it may be deformed.

- After washing with water, dry well in the shade.

Do not expose the air filter to direct sunlight or heat from a fire when drying it.

- Install the air filter.

## Operation Tips!

<p><b>Do not overcool the room.</b> This is not good for the health and wastes electricity.</p>	<p><b>Keep blinds or curtains closed.</b> Do not let direct sunshine enter the room when the air conditioner is in operation.</p>	<p><b>Keep the room temperature uniform.</b> Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.</p>
<p><b>Make sure that the doors and windows are shut tight.</b> Avoid opening doors and windows as much as possible to keep the cool air in the room.</p>	<p><b>Clean the air filter regularly.</b> Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.</p>	<p><b>Ventilate the room occasionally.</b> Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.</p>

### When the air conditioner is not going....

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

- Operate the air conditioner at the following settings for 2 to 3 hours.  
Type of operation: Fan operation mode. (Refer to page 19.)  
This will dry out the internal mechanisms.
- Turn off the breaker.



### CAUTION

Turn off the 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 Controller.

### Helpful information

The air filters and your electric bill.

If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

#### When the air conditioner is to be used again.

- Clean the air filter and install it in the indoor unit. (Refer to page 25 for cleaning it.)
- Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
- Check that the ground wire is connected correctly. It may connect to the indoor unit side.

## Troubleshooting Tips! Save time and money!

Check the following points before requesting repairs or service.... If the malfunction persist, please contact your dealer.

<p><b>The air conditioner does not operate.</b></p> <ul style="list-style-type: none"> <li>- Have you made a mistake in timer operation?</li> <li>- Has the fuse blown or has the circuit breaker been tripped?</li> </ul>	<p><b>The room has a peculiar odor.</b></p> <ul style="list-style-type: none"> <li>- Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.</li> </ul>	<p><b>It seems that condensation is leaking from the air conditioner.</b></p> <ul style="list-style-type: none"> <li>- Condensation occurs when the airflow from the air conditioner cools the warm room air.</li> </ul>	<p><b>Air conditioner does not operate for about 3 minutes when restart.</b></p> <ul style="list-style-type: none"> <li>- This is the protector of the mechanism.</li> <li>- Wait about three minutes and operation will begin.</li> </ul>
<p><b>Does not cool or heat effectively.</b></p> <ul style="list-style-type: none"> <li>- Is the air filter dirty? See air filter cleaning instructions.</li> <li>- The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.</li> <li>- Has the temperature been set incorrectly?</li> <li>- Are the indoor unit's air inlet or outlet vents obstructed?</li> </ul>	<p><b>The air conditioner operation is noisy.</b></p> <ul style="list-style-type: none"> <li>- For a noise that sounds like water flowing.           <ul style="list-style-type: none"> <li>* This is the sound of freon flowing inside the air conditioner unit.</li> </ul> </li> <li>- For a noise that sounds like the compressed air releasing into atmosphere.</li> <li>- This is the sound of the dehumidifying water being processed inside the air conditioning unit.</li> </ul>	<p><b>Crack sound is heard.</b></p> <ul style="list-style-type: none"> <li>- This sound is generated by the expansion/ constriction of the front panel, etc. due to changes of temperature.</li> </ul> <p><b>The buzzer sounds. (7 times)</b></p> <ul style="list-style-type: none"> <li>- Is the suction panel completely closed? Close the suction grille completely.</li> <li>- Is the water completely dried after cleaning PM1.0 filter? If moisture remains, let it dry in the shade for about a day.</li> <li>- Is PM1.0 filter film torn? Contact the LG Electronics Service Center.</li> </ul>	<p><b>Remote control display is faint, or no display at all.</b></p> <ul style="list-style-type: none"> <li>- Are the batteries depleted?</li> <li>- Are the batteries inserted in the opposite (+) and (-) directions?</li> </ul> <p><b>The air conditioner changes generated airflow during operation.</b></p> <ul style="list-style-type: none"> <li>- When the air conditioner reaches the desired temperature, the airflow rate reduces in order to avoid generating cool airflow during heating, or to minimize energy consumption and indoor humidity change during cooling.</li> <li>* This symptom is normal.</li> </ul>

## **Call the service immediately in the following situations**

- Anything abnormal such as burning smell, loud noise etc. happen. Stop the unit and turn the breaker off. Never try to repair by yourself or restart the system in such cases.
- Main power cord is too hot or damaged.
- Error code is generated by self diagnosis.
- Water leaks from indoor unit even if the humidity is low.
- Any switch, breaker (safety, earth) or fuse fails to work properly

**User must carry routine checkup & cleaning to avoid unit's poor performance.**

**In case of special situation, the job must be carried out by service person only.**

