



Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

TYPE: Cassette 4-Way

English FR Français العربية AR



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This manual may contain images or content different from the model you purchased.

This manual is subject to revision by the manufacturer.

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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.



## **A** CAUTION

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

### IMPORTANT SAFETY INSTRUCTIONS



## **⚠** WARNING

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

## Children in the Household

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

- •This appliance must be properly grounded to minimize risk of electric shock.
- •Do not connect the ground wire to a gas pipe, a lightning rod, or a telephone ground wire.
- •Install the panel and the cover of the control box safely.
- •Contact an authorized service center when installing or relocating the air conditioner.
- •Do not install the appliance on an unstable surface or in a place where there is danger of it falling.
- •Do not install the unit in an area where there are flammable materials.
- •Install dedicated electric outlet and earth leakage breaker before using the appliance.
- •Do not install, remove, or reinstall the unit by yourself (customer).
- •The indoor/outdoor wiring connections must be secured tightly, and the cable should be routed properly so that there is no force pulling the cable from the connection terminals. Improper or loose connections can cause heat generation or fire.

- •When installing the unit, use the installation kit provided with the product.
- •The appliance shall be installed in accordance with national wiring regulations.
- •Do not use a defective or underrated circuit breaker.
- •Do not plug multiple socket outlets, an extension power cable or adapter with this appliance.
- •If the supply cord is damaged, it must be replaced by the manufacturer or its service agents or similarly qualified person in order to avoid a hazard.
- •Use standard circuit breaker and fuse that conform to the rating of the air conditioner.
- •Do not modify or extend the power cable. Scratches or peeling insulation on the power cables may result in fire or electric shock, and should be replaced.
- •Make sure that the power cable is neither dirty, loose, nor broken.
- •Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.
- •Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- •Take care to ensure that power cable could not be pulled out or damaged during operation.
- •Do not place any objects on the power cable.
- Do not plug or unplug the power supply plug to turn the unit ON/ OFF.
- •Appliance shall be disconnected from its power source during service and when replacing parts.

## **Operation**

- •When the product is soaked (flooded or submerged) in water, contact an Authorized Service Center for repair before using it again.
- •Use only the refrigerant specified on the air conditioner label.
- •Do not touch the power plug or the appliance controls with wet hands.
- •Do not place a heater or other heating appliances near the power cable.
- •Do not allow water to run into electric parts. Install the unit away from water sources.
- •Do not use flammable gas and combustible substances (benzene, gasoline, thinner, petroleum, alcohol, etc.) near the appliance.
- •Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.
- •Be cautious that water could not enter the product.
- •In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work.
- •Be sure to use only those parts listed in the service parts list. Never attempt to modify the equipment.
- •Do not use the product in a tightly closed space for a long time. Perform ventilation regularly.

- •Do not open the front grille of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)
- •If strange sounds, smell or smoke comes from product. Immediately turn the breaker off or disconnect the power supply cable.
- •Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- •Make sure that do not climb on or hit the outdoor unit.
- •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.
- •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.
- •Do not touch refrigerant pipe, water pipe and any internal parts while the unit is operating or immediately after operation.

### **Maintenance**

•Safely dispose of packing materials such as screws, nails or batteries using proper packaging after installation or repair.



## **CAUTION**

To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

### Installation

- •Two or more people must lift and transport the product.
- •Do not install the air conditioner in an area where it is directly exposed to sea wind (salt spray).
- •Install the drain hose properly for the smooth drainage of water condensation.
- •Adjust the level after placing the appliance in the installation area.
- •Install the air conditioner in a place where the noise from the outdoor unit or the exhaust fumes will not inconvenience the neighbors. Failure to do so may result in conflict with the neighbors.
- •Be sure to check if there is a refrigerant leak after installing or repairing the air conditioner.
- •Exercise caution when unpacking or installing the air conditioner.
- •Do not touch the leaking refrigerant during installation or repair.
- •Do not tilt the appliance to pull or push it when transporting.
- •Do not mix air or gas other than the specified refrigerant used in the system.
- •If the refrigerant gas leaks during the installation, ventilate the area immediately.
- •Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.

## **Operation**

- •Do not use the product for special purposes, such as preserving foods, works of art, and etc. It is an air conditioner for consumer purposes, not a precision refrigeration system.
- •Do not block the inlet or outlet of air flow.
- •Never touch the metal parts of the air conditioner when removing the air filter.
- •Do not place any object on the air conditioner.
- •Do not insert hands or other objects through the air inlet or outlet while the air conditioner is operating.
- •Never mix different types of batteries, or old and new batteries for the remote control.
- •Dispose of the batteries in a place where there is no danger of fire
- Stop using the remote control if there is a fluid leak in the battery.
   If your clothes or skin are exposed to the leaking battery fluid, wash off with clean water.
- •If the leaking battery fluid has been swallowed, wash off the inside of the mouth thoroughly and consult a doctor.
- •Do not let the air conditioner run for a long time when humidity is very high or when a door or a window has been left open.

- •Do not expose people, animals, or plants to the cold or hot wind from the air conditioner for extended periods of time.
- •Do not drink the water drained from the air conditioner.
- •The air conditioner is not intended for use by young children or invalids without supervision.
- •Young children should be supervised to ensure that they do not play with the air conditioner.

### Maintenance

- •Use a soft cloth to clean. Do not use harsh detergents, solvents or splashing water etc.
- •Clean the air filters once every 2 weeks, or more, if necessary.
- •Use a sturdy stool or ladder when cleaning, maintaining, or repairing the air conditioner at a height.

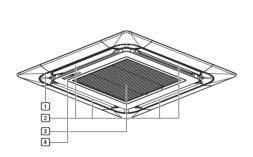
OPERATION

## **Notes for Operation**

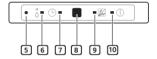
### Suggestion for Energy Saving

- Do not over-cool the space. 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, within a short period of time.
- Open windows regularly for ventilation. The indoor air quality may deteriorate if the air conditioner is used for long durations.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or reduce the unit performance.

### Parts and Functions



Type 1



Type 2



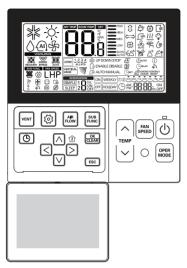
- 1 Front Panel
- Air Discharge
- 3 Air Inlet
- 4 Signal Receiver
- 5 Forced Operation
- 6 Defrost Mode

- 7 Timer
- Remote Sensor
- Filter Sign
- 10 On/Off
- 11 Lamp
- 12 Forced Operation Switch

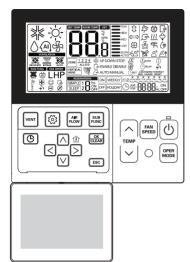
- The number and location of operation lamps may vary according to the model of the air conditioner.
- The feature may be changed according to the type of model.

## **Wired Remote Control**

You can operate the air conditioner more conveniently with the remote control.



Button	Display Screen	Description
O	-	To turn on/off the air conditioner.
TEMP	888	To adjust the desired room temperature in cooling, heating or auto changeover mode.
	*	To select the cooling mode.
	<del>\</del> \\	To select the heating mode.
OPER MODE	$\Diamond$	To select the dehumidification mode.
	多	To select the fan mode.
	(Al)	To select the auto changeover/ auto operation mode.
FAN =		To adjust the fan speed.
	Ро	To select the power cooling mode.
SUB FUNC	<u> </u>	To select the plasma purification.



		·
Button	Display Screen	Description
AIR FLOW	₩⇔३३	To adjust the air flow direction vertically or horizontally.
<b>©</b>	-	To select the additional operations function.
VENT	-	For interlocking operations of air conditioner and ventilator.
0	-	To schedule an operation.
	-	To adjust time. To display the room temperature.
OK/ CLEAR	-	To save the settings in the menu.
ESC	-	To exit the menu.

- Displayed temperature can be different from actual room temperature if the remote controller is installed at the place exposed to direct sunlight or the place near a source of heat
- Some products may not receive wired signals.
- When using the simultaneous operation system, the system will operate approximately 1 - 2 minutes after pressing the remote controller button.
- The feature may be changed according to the type of model.
- Some functions may not be supported, depending on the model.

## **Using the Mode Function**

This function allows you to select the desired function.

### **Cooling Mode**

- 1 Turn the appliance on.
- 2 Press OPER MODE button repeatedly to select the Cooling Mode.
  - sis displayed on the display screen.
- 3 Press ∧ or ∨ button to set the desired temperature.

### **Heating Mode**

- 1 Turn the appliance on.
- 2 Press OPER MODE button repeatedly to select the Heating Mode.
  - 💢 is displayed on the display screen.
- 3 Press or button to set the desired temperature.

#### NOTE

 Heating Mode is not available for Cooling only models.

### **Dehumidification Mode**

This mode removes excess moisture from a highly humid environment or during the rainy season, in order to prevent mildew from setting in. This mode adjusts the room temperature and the fan speed automatically to maintain the optimal level of humidity.

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

#### NOTE

- In this mode you cannot adjust the room temperature, it is adjusted automatically.
- The menu item might not be partially selected according to product function.

### Fan Mode

This mode only circulates the indoor air without changing the room temperature.

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

### **Auto Operation**

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

- 1 Turn the appliance on.
- 2 Press OPER MODE button repeatedly to select the Auto Operation.
  - (AI) is displayed on the display screen.
- 3 Press ∧ or ∨ button to set the desired temperature.



Code	Description
2	Cold
1	A little cold
0	Maintain room temperature
-1	A little hot
-2	Hot

#### NOTE

- The FAN SPEED button can be used.
- It can be switched to another operation mode manually.
- Some functions may not be supported, depending on the model.

## Using the Fan Speed Function

### Adjusting the Fan Speed

 Press FAN SPEED button repeatedly to adjust the fan speed.



#### NOTE

• The menu item might not be partially selected according to product function.

## Changing Room Temperature Quickly

- 1 Turn the appliance on.
- 2 Press FAN SPEED button repeatedly to switch to the Power Cooling Mode.
  - Pn is displayed on the display screen.

- Desired Temperature: Po (Common: 18 °C, UAE Only: 20 °C)
- Wind Flow: Power wind
- Wind Direction: Fixed to the cooling position
- Some appliances do not feature power cooling function.

## Using the Air Flow Direction Function

This function adjusts the direction of the air flow vertically (horizontally).

 Press AIR FLOW button repeatedly and select the desired direction.



#### NOTE

- The menu item might not be partially selected according to product function.
- The feature may be changed according to the type of model.

## Using the Temperature Setting Function

This function adjusts the desired temperature.

- \( \bigcap : Increases the temperature by 1 °C or 2 °F with each push. \)
- ▼ : Decreases the temperature by 1 °C or 2 °F with each push.

### NOTE

- Room Temperature: Indicates current room temperature.
- Set Temperature: Indicates the temperature that user wants to set.
- Depending on what kind of controller, the desired temperature can be adjusted by 0.5 °C or 1 °F

## Using the Room Temperature Check Function

Press Dutton.

The room temperature will be displayed for 5 seconds.

- After 5 seconds, it is switched to display the desired temperature.
- Because of location of remote controller, the real room temperature and the this displayed value can be different.
- 5 °C is proper for the difference between room and outside temperature.
- Cooling operation
  - The cooling mode doesn't work if the desired temperature is higher than room temperature. Please lower the desired temperature.
- Setting temp range:Common: 18 °C ~ 30 °CUAE Only: 20 °C ~ 30 °C
- Heating operation
- 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

## Using the Air Purification Function

It supplies clean and fresh air with ion particles and the filter.

- Press SUB FUNC button repeatedly to select Air Purification.
  - 20 is displayed on the display screen.
- 2 Press OK/CLEAR button to select or cancel the function.
  - Con icon appears or disappears on SUB FUNC display part up to selection.
- 3 Press ESC button to exit the setup mode.

### NOTE

- After setup, it automatically exits setup mode if there is no button input for 25 seconds.
- When exiting without pressing the set button, the changed value is not applied.
- The menu item might not be partially selected according to product function.
- If you want independent cleaning air drive, please setup cleaning air by pressing additional drive button at ventilation drive.
- Some functions may not be supported, depending on the model.

## Using Special Functions Vane Angle Control Function

It adjusts the angle at which the air flows.

- 1 Press button repeatedly to select Vane Angle Control.
  - $\overline{\mathscr{M}}$  is displayed on the display screen.
- 2 Press < or > button to set the desired vane number.
  - Vane Number: No. 1, 2, 3, 4, All, Standard.
- 4 Press OK/CLEAR button to complete and activate the setting process.
- 5 Press ESC button to exit the setup mode.

- After setup, it automatically exits setup mode if there is no button input for 60 seconds.
- When "standard" is selected for the vane number, the wind angle does not move.
- When exiting without pressing the set button, the changed value is not applied.
- Airflow direction function will be released whenever the vane angle is set.
- The menu item might not be partially selected according to product function.

### **Elevation Grill Function**

This function is to move the indoor filter up or down for cleaning filter.

- 1 Press button repeatedly until the sicon flashes.
- 2 Move to descent using or button and press OK/CLEAR button will display DOWN icon and the grill will descent.
- When grill descents to the desired position, move to STOP icon using < or > button and press OK/CLEAR button to stop up/ down grill.
- 4 Press **ESC** button to exit the setup mode.

### NOTE

- After setup, it automatically exits setup mode if there is no button input for 60 seconds.
- When exiting without pressing the set button, the changed value is not applied.
- Elevation grill function only operates in the indoor unit equipped with an elevation grill.
- Some functions may not be supported, depending on the model.

### **Child Lock Function**

Use this option to disable the controls. This feature can prevent children from changing cycles or operating the appliance.

- 1 Press <sup>™</sup> button repeatedly until the <sup>™</sup> icon flashes
- 2 Press < or > button repeatedly until the ⊕ icon flashes.
- 3 Press OK/CLEAR button to complete the setting.
- 4 Press ESC button to exit the setup mode.

- After setup, it automatically exits setup mode if there is no button input for 60 seconds.
- When exiting without pressing the set button, the changed value is not applied.

## Filter Sign Clear Function

This function is to clear the indicator of indoor filter cleaning.

- 1 Press <sup>⊚</sup> button repeatedly until the ⊞ icon flashes.
- 2 Press OK/CLEAR button to complete the setting.

### NOTE

- When the filter is covered with dust, the cooling/heating efficiency will be reduced and more electric power will be required. Clean the filter whenever cleaning time is expired.
- Filter cleaning indication is automatically cancelled after a certain period of time without having to cancel it manually.

## **Change Current Time Function**

- 1 Press button repeatedly until the conflashes.
- 2 Press ≤ or > to adjust the current day.
- 3 Press \( \subseteq \text{ key to switch to AM/PM setting mode.} \)
  - The AM/PM segment will flash.
- **4** Press ∧ or ∨ button to set the desired AM/PM value.
- - The Hour segment will flash.
- 6 Press ∧ or ∨ button to set the desired Hour value.
- 7 Press < or > to switch to Minute setting mode.
  - The Minute segment will flash.
- 8 Press ∧ or ∨ button to set the desired Minute value.
- 9 Press OK/CLEAR button to complete the setting.
- 10 Press ESC button to exit the setup mode.

- In case of exit with incomplete information, it will return to the previous setting.
- When exiting without pressing the set button, the changed value is not applied.

## **Change Temperature Function**

Change temperature is the function to setup cooling and heating drive automatically changeable according to the temperature at artificial intelligence drive mode.

- 1 Press button repeatedly until the (Паито icon flashes.
- 2 Press ⋀ or ⋁ button to change.
  - Converting temp value: 1 ~ 7
- 3 Press OK/CLEAR button to complete the setting.
- 4 Press ESC button to exit the setup mode.

#### NOTE

- Press button to exit or system will automatically release without any input after 60 seconds.
- When exiting without pressing the set button, the changed value is not applied.

## Using the Reservation Function

### **Simple Reservation Function**

It is automatically turned on or off at the set time.

- 1 Press (b) button repeatedly until the SIMPLE icon flashes.
- - The timer can be set from 1 to 7 hours.
- 3 Press OK/CLEAR button to complete the setting.
- Press ESC button to exit the setup mode.

- After setup, it automatically exits setup mode if there is no button input for 25 seconds.
- When exiting without pressing the set button, the changed value is not applied.

## **Sleep Reservation Function**

The product runs in the sleep mode or it stops after a certain period of time while you are sleeping. When the sleep mode is programmed after connecting to a ventilator, and in a certain period of time after sleep mode operation, only sleep mode will be cancelled.

- Press button repeatedly until the SLEEP icon flashes.
- 2 Press or button to adjust the sheduled time.
  - The timer can be set from 1 to 7 hours.
- 3 Press OK/CLEAR button to complete the setting.
- ⚠ Press ESC button to exit the setup mode.

#### NOTE

- After setup, it automatically exits setup mode if there is no button input for 25 seconds.
- When exiting without pressing the set button, the changed value is not applied.
- When the sleep timer is set, the air conditioner operates in the sleep mode and stops at the set time.
- Please set the timer properly when sleeping. (Excessive cooling is not good for your health.)
- Since it automatically adjusts the desired cooling temperature in the sleep mode for comfort, the desired temperature of the remote controller may be different from the desired temperature of the air conditioner.
- Sleep reservation operates as off reservation for the product whose temperature adjustment isn't controlled by unit of 0.5 °C

### On Reservation Function

It is automatically turned on at the set time.

- 1 Press (b) button repeatedly until the **ON** icon flashes.
- 2 Set the AM/PM, Hour and Minute in the same way as for the Changing Current Time Function
- 3 Press OK/CLEAR button to complete the setting.
- 4 Press **ESC** button to exit the setup mode.

- After setup, it automatically exits setup mode if there is no button input for 25 seconds.
- When exiting without pressing the set button, the changed value is not applied.
- If the timer is cancelled, **ON** indication disappears.

### Off Reservation Function

It is automatically turned off at the set time.

- 1 Press (b) button repeatedly until the OFF icon flashes.
- 2 Set the AM/PM, Hour and Minute in the same way as for the Changing Current Time Function.
- 3 Press OK/CLEAR button to complete the setting.
- 4 Press ESC button to exit the setup mode.

### NOTE

- After setup, it automatically exits setup mode if there is no button input for 25 seconds.
- When exiting without pressing the set button, the changed value is not applied.
- If the timer is cancelled, **OFF** indication disappears.

### **Holiday Reservation Function**

It automatically stops at reserved day that you set

- 1 Press button repeatedly until the **HOLIDAY** icon flashes.
- 2 Press < or > button to switch to Date setting mode.
- 3 Press ♠, ♥ or OK/CLEAR button to set or cancel.
  - When you setup Monday and Friday to holiday, MON and FRI letter disappear.
- 4 Press **ESC** button to exit the setup mode.

#### NOTE

 Once the holiday timer is set, the air conditioner automatically stops within one hour even when you run the air conditioner unless you cancel holiday timer.

## **Weekly Reservation Function**

You can set the daily reservation in weekly unit.

- 1 Press (button repeatedly until the **WEEKLY** icon flashes.
- Press ♠ or ♥ button to select weekly reservation ♠ or ♠ or ♠.
  - Weekly timer can be programmed up to 2 schedules per day, and up to 14 reservations per week.
- 3 Press < or > button to switch to Date setting mode.
  - The Date segment will flash.
- 4 Set the AM/PM, Hour and Minute in the same way as for the Changing Current Time Function.
  - This section is to program when the product will turn **ON**.
- 5 Set the AM/PM, Hour and Minute in the same way as for the Changing Current Time Function
  - This section is to program when the product will turn OFF.
- **6** Press **OK/CLEAR** button to complete the setting.

### **Weekly Reservation Explanation**





Under Bar: The indication that there is a weekly timer set for the day

- If you setup in the same method as above by selecting the day that you'd like to setup, it is operated by the weekly timer.
- If you setup the start and end times for the timer the same, the timer would not work.
- When the desired temperature is not set, it is turned on automatically to the desired temperature of previous operation.

## Using the Optional Function Ventilation Kit Control (Optional)

It is a function that cools and refreshes indoor air using the ventilation product at the same time operating the air conditioning function.

- 1 Press the **VENT** button.
- 2 Press the 🕔 button at ventilation mode will start ventilon
- 3 Press the OPER MODE button will change the ventilation operation mode.
  - Pressing operation selection button will change the mode in the order of 'Heat exchange → normal → automatic'.
- 4 Press the FAN SPEED button to select airflow rate from weak → strong → extra strong.
  - If CO₂ sensor is installed, it can select from 'weak → strong → very strong → automatic'.
- 5 Changing back to air conditioner mode.
  - Automatic Conversion: When no button is pressed for 15 seconds or longer, it automatically converts back to air conditioner mode
  - Manual Conversion: Pressing VENT button in ventilation mode will manually convert

### NOTE

- It is only used when air conditioner and general ventilation is interlinked.
- It displays the desired temperature when it returns to air condition mode.

## Plasma Purification (Optional)

- 1 Turn the appliance on.
- 2 Press **SUB FUNC** button repeatedly until the 2 icon flashes.
- 3 Press OK/CLEAR button to complete the setting.
- Press ESC button to exit the setup mode.

#### NOTE

- After setup, it automatically exits setup mode if there is no button input for 25 seconds.
- When exiting without pressing the set button, the changed value is not applied.

## Setting Method for Comfort Cooling (Optional)

Comfort cooling is the function to keep the comfortable sensation by controlling the cooling strength automatically without turning off the power of the product even after room temperature reaches the desired temperature selected

- 1 Press **SUB FUNC** button until comfort cooling (\*) icon is displayed.
- 2 Comfort cooling icon is blinking on the display screen, and if OK/CLEAR button is pressed at this time, Comfort cooling icon is fixed and the function is set.
- 3 Press the ESC button to exit the setting mode.

# Wireless Remote Control Inserting Batteries

If the display screen of the remote control begins to fade, replace the batteries. Insert AAA (1.5 V) batteries before using the remote control.

1 Remove the battery cover.



Insert the new batteries and make sure that the + and - terminals of the batteries are installed correctly.



## Installing the Remote Control Holder

To protect the remote control, install the holder where there is no direct sunlight.

- 1 Choose a safe and easily accessible location.
- 2 Fix the holder by fastening 2 screws firmly with a screwdriver.

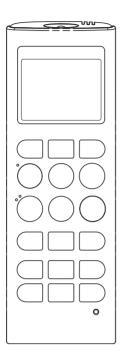


## Using the °C/°F Conversion Function (Optional)

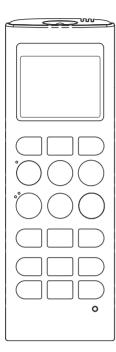
This function changes unit between °C and °F

 $\bullet$  Press and hold  $\frac{\text{ROOM}}{\text{TEMP}}$  button about 5 seconds.

## **Using Wireless Remote Control**



Button	Display Screen	Description
(6)	-	To turn on/off the air conditioner.
FUNC.	-	Used to set or clear Auto Clean, Smart Clean, Electric heater or Individual vane angle control.
VANE ANGLE	勠	Used to set each vane angle.
PLASMA	<b>₽</b>	Used to start or stop the plasma-purification function.
$\odot$	-	Used to select the room temperature.
MODE	-	Used to select the operation mode.
JET MODE	-	JET MODE sets the fan to operate at a super high speed.
FAN SPEED	-	Used to set the fan speed at one of four speeds: low, medium, high and chaos.
SWING	-	Used to stop or start louver movement and set the desired up/down airflow direction.
swing	-	Used to set the desired left/ right (horizontal) airflow direction.



Button	Display Screen	Description
ROOM TEMP	-	Used to select the room temperature.
SLEEP	-	Used to set the time for the sleep function.
ON	-	Used to set the start time.
OFF	-	Used to set the stop time.
VA	-	Used to set the timer. Used to adjust the brightness. (If it is not time adjust mode)
SET / CLEAR	-	Used to set/clear the timer. Used to set the current time. (hold button for 3 seconds)

- 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.

## **Using the Mode Function**

This function allows you to select the desired function.

### **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 v button to set the desired temperature.

### 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**

- 1 Turn the appliance on.
- Press MODE button repeatedly to select the Cooling Mode.
- 3 Press JET MODE button.
  - ullet  $oldsymbol{
    ho}_{oldsymbol{O}}$  is displayed on the display screen.

### NOTE

- To cancel the Power Cooling Mode, Press the JET MODE 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.

## **Heating Mode**

- 1 Turn the appliance on.
- 2 Press **MODE** button repeatedly to select the Heating Mode.
  - 💢 is displayed on the display screen.
- 3 Press or v button to set the desired temperature.

### NOTE

- Press the ROOM TEMP button to check the Room temperature.
- When setting the desired temperature lower than the room temperature, the unit will produce only ventilation wind.
- Heating Mode is not available for Cooling only models.
- To check the indoor temperature, press the room temperature button.

### **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.
- Press the FAN SPEED button to select airflow rate from low → medium → high or chaos.
- 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.

### Fan Mode

This mode only circulates the indoor air without changing the room temperature.

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

### NOTE

- Press the FAN SPEED button to select airflow rate from low → medium → high or chaos.
- Natural wind based on chaos logic
  - For a fresher feeling than other fan speeds, press the Indoor Fan 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.

## Using the Temperature Setting Function

This function adjusts the desired temperature.

- (^): Increase 1 °C or 1 °F each time pressed.
- : Decrease 1 °C or 1 °F each time pressed.

### NOTE

- 5 °C is proper for the difference between room and outside temperature.
- Cooling operation
  - The cooling mode doesn't work if the desired temperature is higher than room temperature. Please lower the desired temperature.
- Setting temp range:Common: 18 °C ~ 30 °CUAE Only: 20 °C ~ 30 °C
- · Heating operation
- 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 temperaturewill be displayed for about 5 seconds before returning to the previous display panel.

### Switching Between Celsius/ Fahrenheit

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

## **Setting the Current Time**

- Press and hold the SET/CLEAR button for 3 seconds.
- 2 Press the vor buttons 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.

### **Individual Vane Angle Control**

This is the function that controls the 4 vane angles individually in the 4-way ceiling cassette products.

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



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



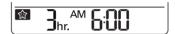
3 Press the SET/CLEAR button to reserve or cancel the individual vane angle control function.

#### 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.
- The individual vane control function is an additional function of a product, and it may not work in some products.

### **Sleeping Timer Setting**

1 Press the SLEEP button to turn the timer on or off.



- 2 Press the vor buttons until the desired time is set.
  - 7 hours is the maximum setting.
- 3 Press the SET/CLEAR button.

## Setting the On Timer

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



- 2 Press the vor buttons until the desired time is set.
  - 7 hours is the maximum setting.
- 3 Press the SET/CLEAR button.

## Setting the Off Timer

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



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

## **Canceling the Timer Setting**

You can cancel all timer settings.

1 Press the 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.

## **Plasma Purification (Optional)**

- 1 Turn the appliance on.
- Press the PLASMA button.
  - 🚝 is displayed on the display screen.

### **NOTE**

 If you wish to stop, press the PLASMA button again.

## Plasma Purification Only (Optional)

- 1 Press the PLASMA button.
  - 🚝 is displayed on the display screen.

- 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.

## 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 the wing button.
  - The louvers will swing up and down.
- 3 Press the button again to set the vertical louver at the desired airflow direction

#### NOTE

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

### NOTE

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

## Cooling Mode - 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 ON/OFF button.
  - The unit will respond with beep sound.
- 2 Press MODE button to select Cooling Mode.
- 3 Press FUNC. button repeatedly until comfort cooling icon ( displayed.
- 4 Press SET/CLEAR button for setting.

## **Forced Operation**

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

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



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

### **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  $\mathbf{ON/OFF}$  button for  $3 \sim 5$  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.



## Tip for Filter Sign LED

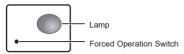
- 1 Filter sign lamp (LED) is ON.
- 2 If LED indicating filter sign lamp is ON, clean the fiter.
- 3 After cleaning the filter, press the **Timer** button and < button of wired remote controller at the same time for 3 seconds. Then filter sign LED is OFF.

## **Operation Indication Lamps**

## Type 1

0	On/Off	Lights up during the system operation.
30	Filter Sign	Lights up after 2 400 hours from the time of first operating unit.
( <u>b</u>	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 opeating	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.

- 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.

## **WARNING**

• Before cleaning or performing maintenance, disconnect the power supply and wait until the fan stops.

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition. Clean the product regularly to maintain optimal performance and to prevent possible breakdown.

- Dry the air conditioner in Fan mode for 3 to 4 hours and disconnect the power. There may be internal damage if moisture is left in its components.
- Before using the air conditioner again, dry the inner components of the air conditioner in Fan mode for 3 to 4 hours. This will help to remove the odor generated from moisture.

### Clean the Air Filter

- 1 Remove the air filters from the indoor unit.
  - Hold the tab and pull slightly forward to remove the filter.
- 2 Clean the filters with a vacuum cleaner or with lukewarm water with neutral detergent.





- 3 Dry the filters in the shade.
- ▲ Install the Air filter.

## **MARNING**

- Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.
- When the air filter needs to be removed, do not touch the metal parts of the indoor unit.
   Doing so may cause an injury.

## **A** CAUTION

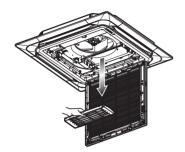
- Never touch the metal parts of the air conditioner when removing the air filter.
- Never use water that is higher than 40 °C when you clean the filter. It may cause deformation or discoloration.
- Never use volatile substances when you clean the filter. They may damage the surface of the product.
- Clean the Indoor unit surface by using a soft, dry cloth.

### NOTE

 Clean the air filter once every 2 weeks, or more, if necessary.

## **Purifying Filter (Optional)**

1 After removing the air filters, pull slightly forward to remove the PLASMA filter.



- 2 Dip the PLASMA filter into the water mixed with neutral detergent, for 20-30 minutes.
- 3 Dry the PLASMA filter in the shade for a day.
  - It is very important that all moisture is removed on these parts.
- 4 Note the cuts of electric discharge lines.
- Re-install the PLASMA filter to the original position.

## **A** CAUTION

 Wait at least 10 seconds before touching the PLASMA filter after opening the inlet grille, it could cause an electric shock.

#### NOTE

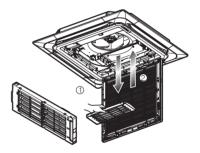
 The PLASMA filter behind the air filters should be checked and cleaned once every 3 months or more often if necessary.

## Replacement (Optional)

 Open the front panel and remove the air filter.



- 2 Remove the air purifying filter.
- 3 Insert a new air purifying filter.



4 Reinsert the air filter and close front panel.



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

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

## **A** CAUTION

- Turn off the breaker when the air conditioner is not going to be used for a long period of time.
  - -Dirt may collect and may cause a fire.

### NOTE

 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 using the air conditioner after a long period of non-use

- Clean the air filter and install it in the indoor unit.
- 2 Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
- 3 Check that the ground wire is connected correctly.
  - The ground wire may be connect to the indoor unit side.

## **Operation Tips**

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

## **TROUBLESHOOTING**

## **Before Calling for Service**

Please check the following before you contact the service center. If the problem persists, contact your local service center.

Problem	Possible Causes	Corrective Action	
	Burning smell and strange sounds are coming from the unit.		
	Water leaks from the indoor unit even when the humidity level is low.		
The air conditioner does not work normally.	The power cable is damaged or it is generating excessive heat.	Turn off the air conditioner, switch OFF, or disconnect the power supply, and contact the service center.	
	A switch, a circuit breaker (safety, ground), or a fuse is not operated properly.		
	The unit generates an error code from its self-diagnosis.		
	The air conditioner is unplugged.	Check whether the power cord is plugged into the outlet or the power isolators are switched on.	
The air conditioner does not work.	A fuse exploded, or the power supply is blocked.	Replace the fuse or check if the circuit breaker has tripped.	
	A power failure has occurred.	Turn off the air conditioner when a power failure occurs.  When the power is restored, wait 3 minutes, and then turn on the air conditioner.	
	The voltage is too high or too low.	Check if the circuit breaker has tripped.	
	The air conditioner was turned off automatically at a preset time.	Turn the air conditioner on.	
	The battery setting in the remote controller is incorrect.	Make sure that the batteries are inserted correctly in your remote controller.     If the batteries are placed correctly, but the air conditioner still does not operate, replace the batteries and try again.	

Problem	Possible Causes	Corrective Action
	Air is not circulating properly.	Make sure that there are no curtains, blinds, or pieces of furniture blocking the front of the air conditioner.
	The air filter is dirty.	Clean the air filter once every 2 weeks.     See "Clean the Air Filter" for more information.
	The room temperature is too high.	In summer, cooling the indoor air fully may take some time. In this case, select the Jet Mode to cool the indoor air quickly.
The air conditioner does not emit cool	Cold air is escaping from the room.	Make sure that no cold air is escaping through the ventilation points in the room.
air.	The desired temperature is higher than the current temperature.	Set the desired temperature to a level lower than the current temperature.
	There is a heating source nearby.	Avoid using heat generators like electric ovens or gas burners while the air conditioner is in operation.
	Fan Mode is selected.	<ul> <li>During Fan Mode, air blows from the air conditioner without cooling or heating the indoor air.</li> <li>Switch the operation mode to cooling operation.</li> </ul>
	Outside temperature is too high.	The cooling effect may not be sufficient.
The air conditioner stops during operation.	The air conditioner is suddenly turned off.	The Timer Function may have timed out, which turns the unit off. Check the timer settings.
	A power failure has occurred during operation.	Wait for the power to come back. If you have the Auto Restart function enabled, your unit will resume its last operation several minutes after power is restored.
The indoor unit is still operating even when the unit has been turned off.	The Auto Clean function is being operated.	Allow the Auto Clean function to continue since it removes any remaining moisture inside the indoor unit. If you do not want this feature, you can turn the unit off.

Problem	Possible Causes	Corrective Action
The air outlet on the indoor unit is discharging mist.	The cooled air from the air conditioner makes mist.	When the room temperature decreases, this phenomenon will disappear.
Water leaks from the outdoor unit.	In the heating operations, condensed water drops from the heat exchanger.	This symptom requires installing a drain hose under the base pan. Contact the installer.
There is noise or vibration.	A clicking sound can be heard when the unit starts or stops due to movement of the reversing valve. Creaking sound: The plastic parts of the indoor unit creak when they shrink or expand due to sudden temperature changes. Flowing or Blowing sound: This is the flow of refrigerant through the air conditioner.	These are normal symptoms. The noise will stop.
The indoor unit gives off an odor.	Odors (such as cigarette smoke) may be absorbed into the indoor unit and discharged with airflow.	If the smell does not disappear, you need to wash the filter. If this does not work, contact the service center to clean your heat exchanger.
	When Heating Mode starts, the vane is almost closed, and no air comes out, even though the outdoor unit is operating.	This symptom is normal. Please wait until the unit has generated enough warm air to blow through the indoor unit.
The air conditioner does not emit warm air.	The outdoor unit is in Defrosting Mode.	In Heating Mode, ice/frost is built up on the coils when the outside temperature falls. This function removes a layer of frost on the coil, and it should finish in approximately 15 minutes.
	Outside temperature is too low.	The heating effect may not be sufficient.

## NOTE

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

