



# OWNER'S MANUAL

# AIR CONDITIONER

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

TYPE : CEILING CASSETTE



P/NO : MFL42763408

[www.lg.com](http://www.lg.com)

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## FOR YOUR RECORDS

Write the model and serial numbers here:

**Model #** \_\_\_\_\_

**Serial #** \_\_\_\_\_

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

**Dealer's Name** \_\_\_\_\_

**Date Purchased** \_\_\_\_\_

■ Staple your receipt to this page in the event you need it to prove date of purchase or for warranty issues.



## READ THIS MANUAL

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

**Troubleshooting Tips** first, you may not need to call for service at all.



## PRECAUTION

- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- 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.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.



# Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

- Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

 **WARNING** This symbol indicates the possibility of death or serious injury.

 **CAUTION** This symbol indicates the possibility of injury or damage.

- Meanings of symbols used in this manual are as shown below.

	<b>Be sure not to do.</b>
	<b>Be sure to follow the instruction.</b>

## **WARNING**

- OUT DOOR UNIT'S FEATURE MAY NOT BE SAME AS THAT OF MANUAL DRWAING.

### ■ 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.

**Install the panel and the cover of control box securely.**

- There is risk of fire or electric shock.

**Do not modify or extend the power cable.**

- There is risk of fire or electric shock.

**For installation, always contact the dealer or an Authorized Service Center.**

- There is risk of fire, electric shock, explosion, or injury.

**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 install a dedicated circuit and breaker.**

- Improper wiring or installation may cause 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.

**Do not install the product on a defective installation stand.**

- It may cause injury, accident, or damage to the product.

**Always ground the product.**

- There is risk of fire or electric shock.

**Use the correctly rated breaker or fuse.**

- There is risk of fire or electric shock.

**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.

**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.

## ■ Operation

**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.

**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.

### ■ 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.

**All batteries (whether installed or attached) should not be exposed to excess heat like sunlight or similar source.**

- 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.

## Prior to Operation

### *Preparing for operation*

1. Contact an installation specialist for installation.
2. Plug in the power plug properly.
3. Use a dedicated circuit.
4. Do not use an extension cord.
5. Do not start/stop operation by plugging/unplugging the power cord.
6. If the cord/plug is damaged, replace it with only an authorized replacement part.

### *Usage*

1. 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.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. 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*

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. 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.

# Introduction

## Symbols used in this Manual



This symbol alerts you to the risk of electric shock.



This symbol alerts you to hazards that could cause harm to the air conditioner.

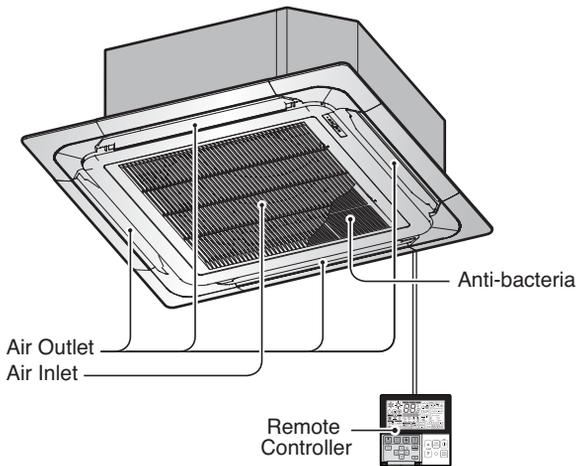
**NOTICE**

This symbol indicates special notes.

## Features



**WARNING:** This appliance should be installed in accordance with national wiring regulations. This guide acts as a guide to help to explain product features.

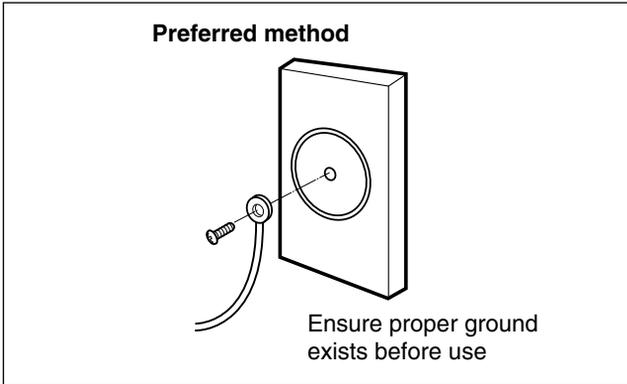


# Electrical Safety



**WARNING: This appliance must be properly grounded.**

To minimize the risk of electric shock, you must always plug into a grounded outlet.



**WARNING: Do not cut or remove the grounding prong from the power wire.**



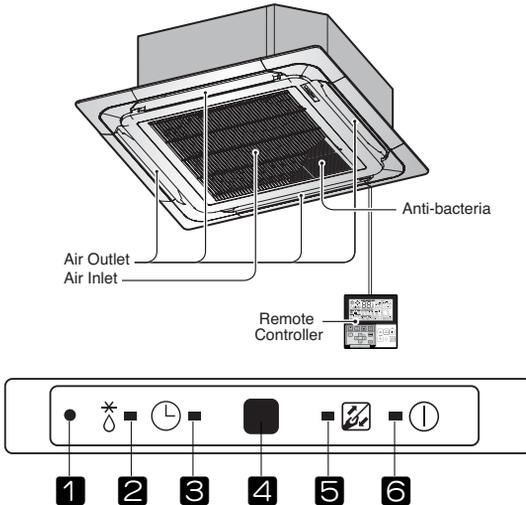
**WARNING: Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.**



**WARNING: If you have any doubt whether the air conditioner is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.**

# Operating Instructions

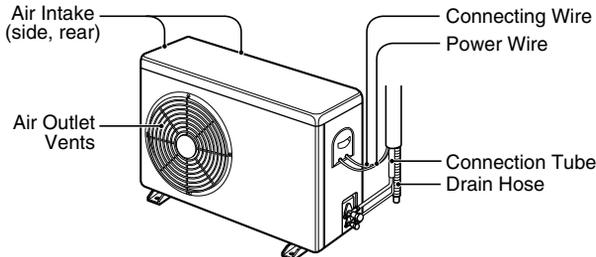
## Indoor Unit, Outdoor Unit



### Operation Indication Lamps

- 1** Forced Operation : Operation procedures when remote control can't be used.
- 2** Defrost Mode : Lights up during defrost mode or hot start operation. (heat pump model only)
- 3** Timer : Lights up during timer operation.
- 4** Signal Receptor : Receives the signal from remote control (signal receiving sound: two short beeps and one long beep)
- 5** Filter Sign : Lights up after 2400 hours from the time of first operation.
- 6** On/Off : Lights up during system operation.

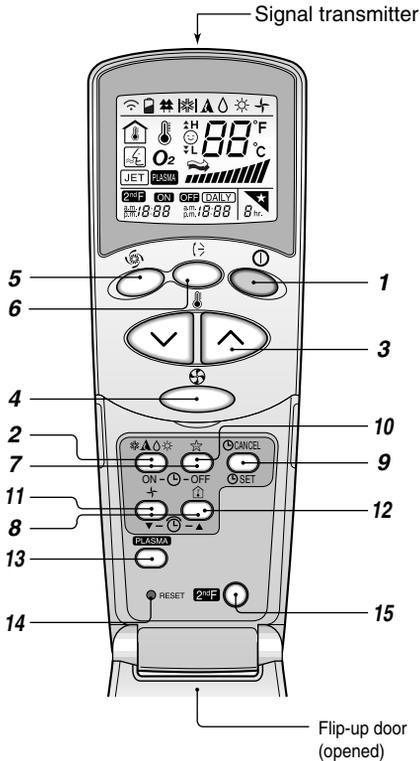
### Outdoor Unit



**Heat pump model: Cassette Type Air Conditioner for cooling and heating**  
**Cooling model: Cassette Type Air Conditioner for cooling**

## Wireless Remote Controller (Optional)

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



### 1. START/STOP BUTTON

Operation starts when this button is pressed and stops when the button is pressed again.

### 2. OPERATION MODE SELECTION BUTTON

Used to select the operation mode.

### 3. ROOM TEMPERATURE SETTING BUTTONS

Used to select the room temperature.

### 4. INDOOR FAN SPEED SELECTOR

Used to select fan speed in four steps low, medium, high and CHAOS.

### 5. JET COOL

Used to start or stop the speed cooling/heating. (Speed cooling/heating operates super high fan speed.)

### 6. CHAOS SWING BUTTON

Used to stop or start louver movement and set the desired up/down airflow direction.

### 7. ON/OFF TIMER BUTTONS

Used to set the time of starting and stopping operation.

### 8. TIME SETTING BUTTONS

Used to adjust the time.

### 9. TIMER SET/CANCEL BUTTON

Used to set the timer when the desired time is obtained and to cancel the Timer operation.

### 10. SLEEP MODE AUTO BUTTON

Used to set Sleep Mode Auto operation.

### 11. AIR CIRCULATION BUTTON

Used to circulate the room air without cooling or heating.

### 12. ROOM TEMPERATURE CHECKING BUTTON

Used to check the room temperature.

### 13. PLASMA(OPTIONAL)

Used to start or stop the plasma-purification function.

### 14. RESET BUTTON

Initialize remote controller.

### 15. 2nd F Button

Used prior to using modes printed in blue at the bottom of buttons.

\* The wireless remote controller does not operate the swirl mode and super low fan speed.

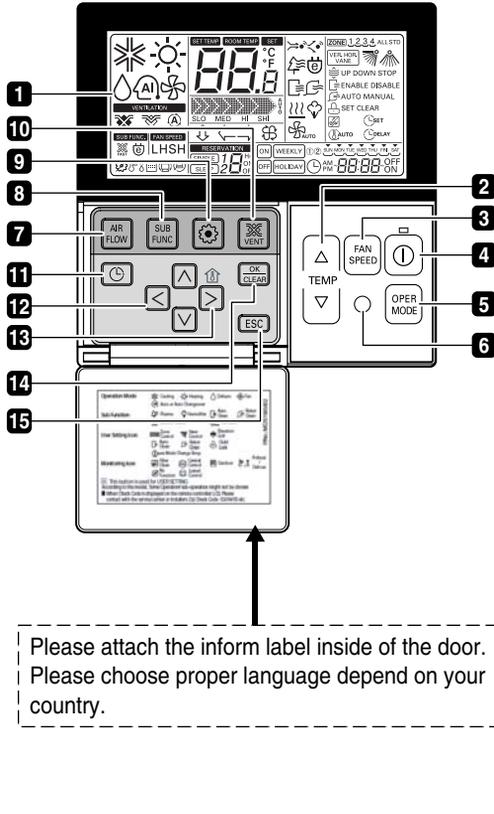


### CAUTION:of handling the Remote Controller

- 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)

# Part Description

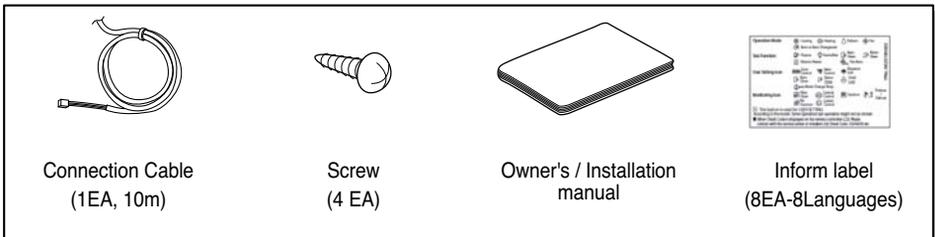
## ***Name and Function of Remote Controller(PQRCVSL0QW)***



- 1** OPERATION INDICATION SCREEN
- 2** SET TEMPERATURE BUTTON
- 3** FAN SPEED BUTTON
- 4** ON/OFF BUTTON
- 5** OPERATION MODE SELECTION BUTTON
- 6** WIRELESS REMOTE CONTROLLER RECEIVER
  - Some products don't receive the wireless signals.
- 7** AIR FLOW BUTTON
- 8** SUBFUNCTION BUTTON
- 9** FUNCTION SETTING BUTTON
- 10** VENTILATION BUTTON
- 11** RESERVATION
- 12** UP, DOWN, LEFT, RIGHT BUTTON
  - To check the indoor temperature, press  button.
- 13** ROOM TEMPERATURE BUTTON
- 14** SETTING/CANCEL BUTTON
- 15** EXIT BUTTON

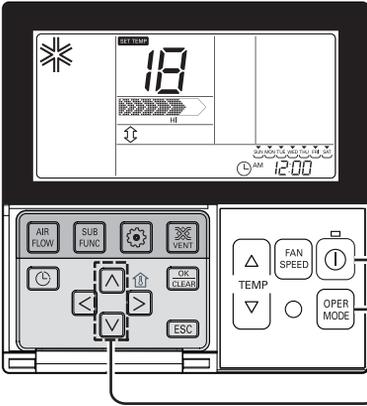
\* Some functions may not be operated and displayed depending on the product type.

## ***Accessory***



## Standard Operation - Standard Cooling

It cools the room by comfortable and clean wind.



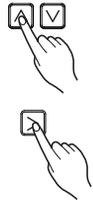
**1** Press button to turn on the indoor.



**2** Press button to select Cooling operation mode.



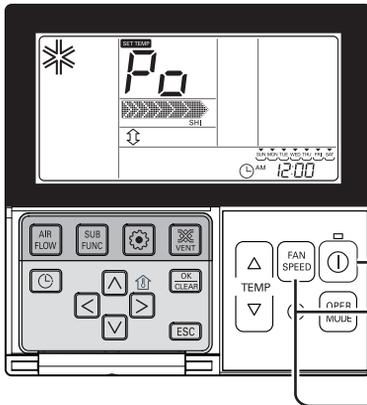
**3** Adjust the desired temperature by pressing buttons. Press button to check the Room temperature. When setting the desired temperature higher than room temperature, only ventilation wind is blow out instead of cooling wind.



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

## Standard Operation - Power Cooling

It makes the room cool using pleasant and fresh air quickly



**1** Press button to turn on the indoor.



**2** Press button to select cooling operation mode.



**3** Press button continuously until 'Po' displayed.



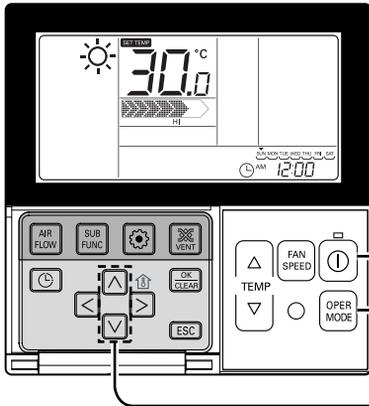
### What is Power Cooling?

- Desired temperature: Po (actually 18°C)
  - Wind flow: power wind
  - Wind direction: fix to air-cooling position
- } It make room temperature drop fast by running

\* Partial product has no power air-cooling function.

## Standard Operation - Heating Mode(Heat pump model only)

It supplies warm wind to the indoor.



**1** Press  button to turn on the indoor.



**2** Press  button to select Heating mode.  
(To check the indoor temperature, press the room temperature button.)



**3** Adjust the desired temperature by pressing   buttons.

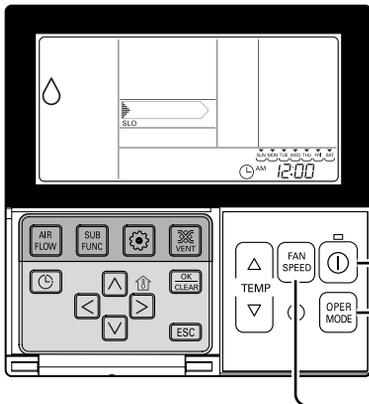


When setting the desired temperature lower than room temperature, there is only ventilation wind.

- Heating drive only operates at the cooling and heating model.
- Heating doesn't operate at cooling exclusive model.

## Standard Operation - Dehumidification Mode

It removes humidity while air-cooling weakly.



**1** Press  button to turn on the indoor.



**2** Press  button to select Dehumidification mode.  
The temperature setting can not be adjusted during operation this mode.

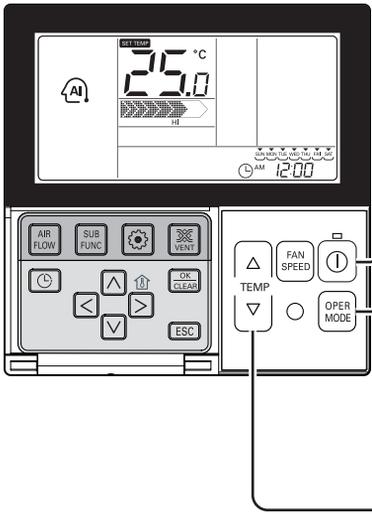


**3** Press the  button to select airflow rate feeble → weak → medium → strong → automatic.  
(The initial wind powerfulness of humidity removal drive is 'weak'.)

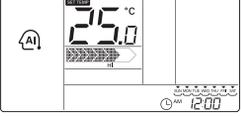
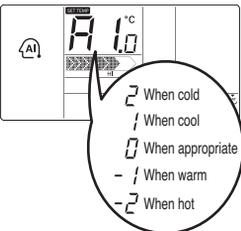


- In rainy season or high humidity climate, it is possible to operate simultaneously dehumidifier and cooling mode to remove humidity effectively.
- The menu item of wind powerfulness might not be partially selected according to the product.

## Standard Operation - Auto Operation Mode



The diagram shows the control panel of a ceiling cassette air conditioner. The top section is a digital display showing 'AI' mode, a temperature of 25.0°C, and a clock of 12:00 AM. Below the display are several buttons: AIR FLOW, SUB FUNC, FAN SPEED, VENT, and a set of directional arrows (up, down, left, right) with a power button and ESC. A callout box highlights the 'AI' mode and the 'OPER MODE' button.

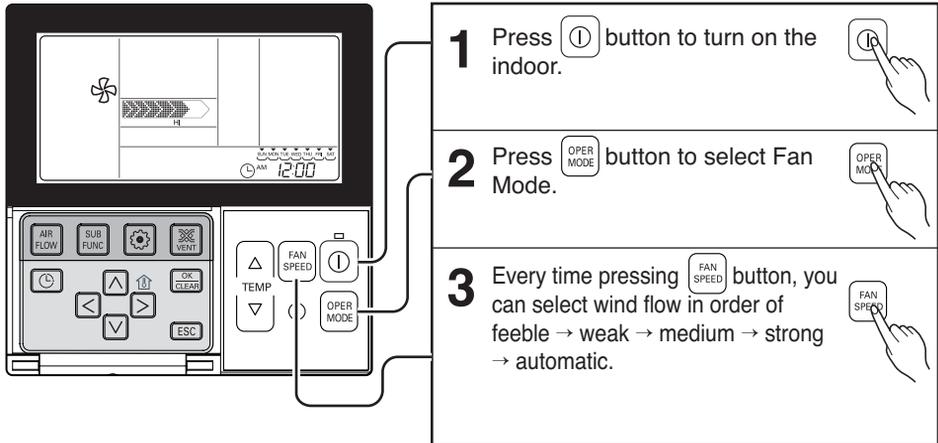
- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Artificial intelligence Mode. 
- 3 You can adjust the temperature as the picture on the right for cooling and heating model. 
- 4 For the case of cooling exclusive, as the picture on the right, you can adjust the temperature from hot to cold, from "-2" to "2" based on "00". 

### During operating Auto Operation mode:

- We can use the FAN SPEED button
- We can change manually to other operation mode.

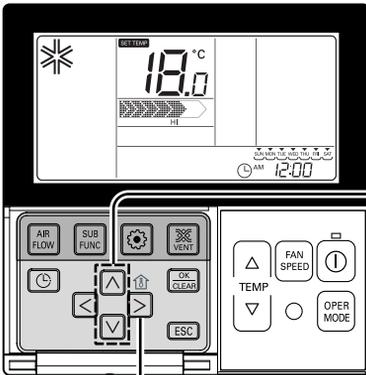
## Standard Operation - Fan Mode

It blows the air as it is in the indoor, not the cold wind.



- Ventilation drive does not release cool wind but general fan
- Because it releases the wind that has no temperature difference from the room, it functions to circulate the inside air.
- The menu item of wind powerfulness might not be partially selected according to the product.

## Standard Operation - Temperature Setting/Room Temperature Check



### Temperature Setting

- 1 We can simply adjust the desired temperature.
  - Press the buttons to adjust the desired temperature.

- : Increase 1°C or 2°F per one time pressing
- : Decrease 1°C or 2°F per one time pressing

- Room temp: Indicate the current room temperature.
- Set temp: Indicate the temperature that user want to set.

\* Depend on what kind of controller, the desired temperature can be adjusted at 0.5°C or 1°F.

### Cooling operation:

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

### Heating operation:

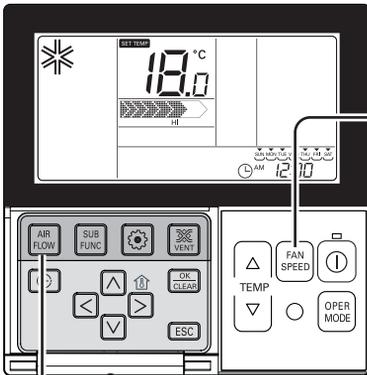
- The heating mode doesn't work if desired temperature is lower than room temperature Please increase the desired temperature.

### Room Temperature Check

- 1 Whenever press button, the room temperature will be displayed within 5 seconds.  
After 5 seconds, it turns to display the desired temperature.  
Because of location of remote controller, the real room temperature and the this displayed value can be different

- For air-cooling drive, from 18°C to 30°C, and for heating drive, from 16°C to 30°C, you can select desired temperature.
- 5°C is proper for the difference between room and outside temperature.

## Standard Operation - Airflow Setting



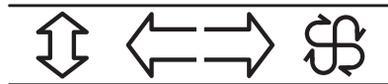
### Wind powerfulness : You can simply adjust desired wind powerfulness.

- 1 Please setup desired wind powerfulness by wind powerfulness button.
  - Every time you press wind powerfulness, you can select the wind flow in order of 'feeble → weak → weak medium → medium → medium strong → strong → power → automatic'.
  - The menu item might not be partially selected according to product function.
  - Please refer to product manual for product's detailed function.



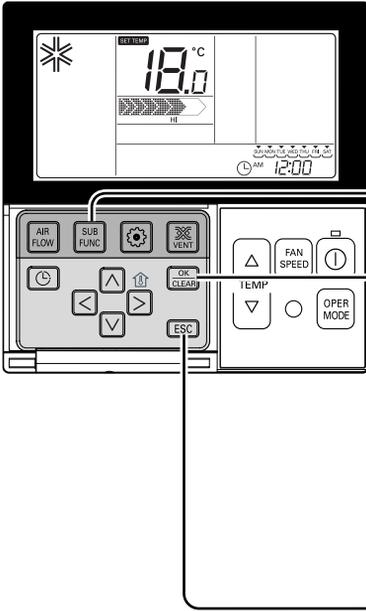
### Wind direction : You can simply adjust desired wind direction.

- 1 Please set desired wind direction by pressing  button. You can select wind direction of (comfortable wind → Up/Down and Right/Left → Right/Left → Up/Down) by pressing  button. Partial item of wind directions might not be selected according to product function. Please refer to product manual for product's detailed function.



## Sub function - Direct Wind / Indirect Wind

It is the function to directly or indirectly control wind direction by body perception sensor.

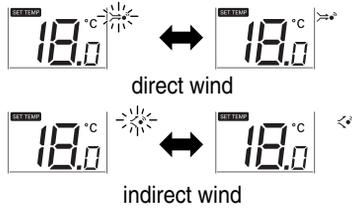


### The method to setup direct/indirect wind

**1** Please press **SUB FUNC** button.



**2** The icon of direct/indirect wind blinks on the display, and then, if pressing **OK CLEAR** button, direct/indirect wind icon is fixed and the function is setup.

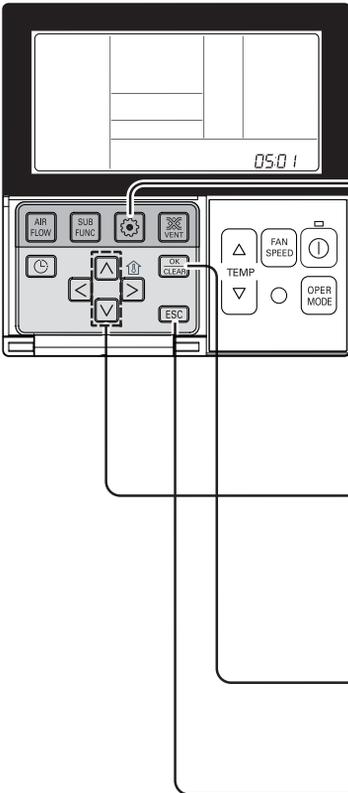


**3** If pressing **ESC** button, it gets out of setup mode.



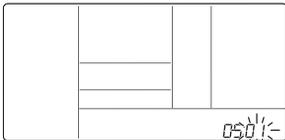
## Function setting -Ceiling Height Selection

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

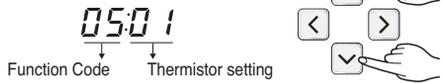


**1** If pressing  button long for 3 seconds, it enters into remote controller setter setup mode.  
- If pressing once shortly, it enters into user setup mode. Please press more than 3 seconds for sure.

**2** If moving to ceiling height selection menu by pressing  button, it indicates as picture below.

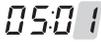


**3** Select ceiling height value by pressing   button. (01:Low, 02:Standard, 03:High, 04:Very high)



Function Code      Thermistor setting

**4** Press  button to save.



**5** Pressing  button will exit settings mode.  
\* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.  
\* When exiting without pressing set button, the manipulated value is not reflected.

### <Ceiling Height Selection Table>

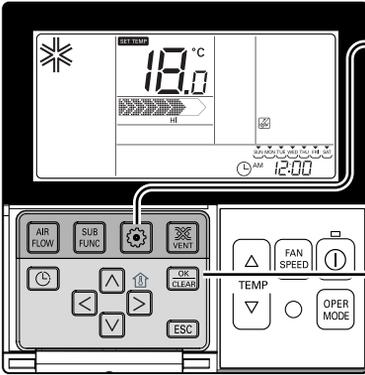
	Ceiling Height Level	Description
05:01	Low	Decrease the indoor airflow rate 1 step from standard level
05:02	Standard	Set the indoor airflow rate as standard level
05:03	High	Increase indoor airflow rate 1 step from standard level
05:04	Very high	Increase indoor airflow rate 2 steps from standard level

#### Cooling/Heating performance is enhanced with relation to Ceiling height.

- The highest cooling heating performance and efficiency are provide at Very high.  
( Some noise may be generated according to the level height setting.)

## Function setting - Filter Sign Clear

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



**1** Press button repeatedly until the is flashing.



**2** When the is flashing, press the to clear this display

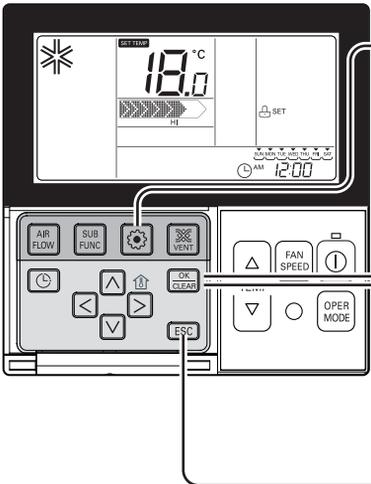


• When filter is covered by dust, it will reduce cooling/heating efficiency and accumulate more electric power. Therefore, do clean the filter whenever cleaning time is expired.

\* Filter cleaning indication is automatically cancelled without the separate cancellation after certain period of time.

## Function setting - Child Lock

It is the function to use preventing children or others from careless using.



**1** Press button repeatedly until the is flashing.



**2** If moving to 'setup' icon area by using button, 'setup' icon blinks, and child lock function is setup if pressing button at that time.



**3** When cancelling lock function, if moving to 'cancel' icon by pressing button and then, pressing button, child lock function is cancelled.

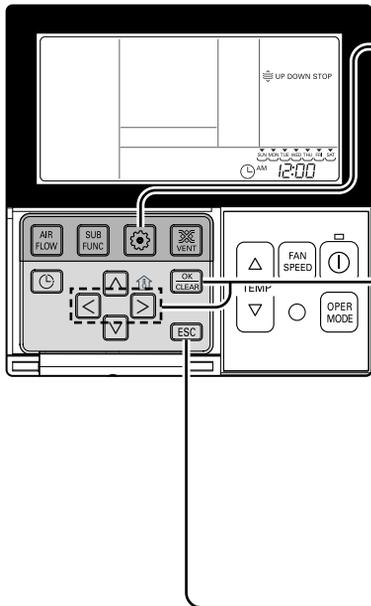
**4** Press button to exit.

\* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.

\* When exiting without pressing set button, the manipulated value is not reflected.

## Function setting - Elevation Grill

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

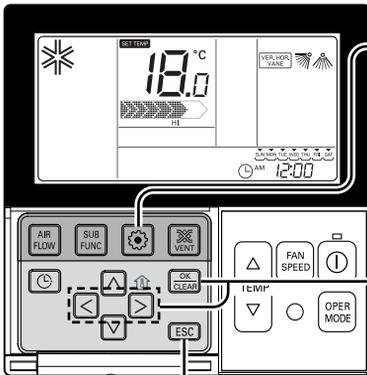


- 1** Press button  
Repeat pressing button until icon flash.
- 2** Move to descent using button and press button will display descent icon and the up/down grill will descent.
- 3** When up/down grill descends to the desired position, move to stop icon using button and press button to stop up/down grill.
- 4** When filter cleaning is finished, fix the filter to the up/down grill, move to ascent icon using button, and press button to ascent up/down grill.
- 5** Press button to exit.  
\* After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.  
\* When exiting without pressing set button, the manipulated value is not reflected.

• Elevation grill function only operates in the indoor unit with the elevation grill.

## Function setting - Vane Angle Control

This function is to adjust angle at which airflow is blow out.



- 1** Repeat pressing  button until  icon flash.

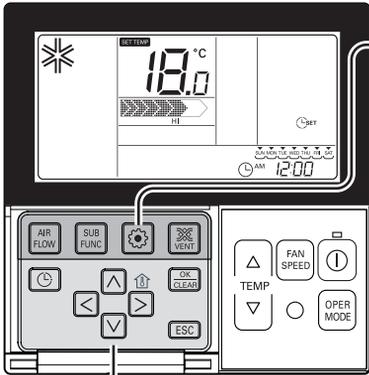

- 2** Press   button to select active vane : 1 / 2 / 3 / 4 / All / Standard  
 Select Vane number using   buttons.  
 \* Vane number : No. 1, 2., 3, 4, all, or standard  
 - Selected vane is in operation.  
 - Please verify the operating vane.  
 - To set the angle of all the vanes, select 'all'.  
 - To set as the factory default settings, select 'standard'.
- 3** Select wind angle using   button, and press  button.  
 - The boundary of wind angle settings can be changed to 5 levels or 6 levels according to the product.  
 - When selecting 'standard' for Vane number, the wind angle does not move.
- 4** Set the wind angles for the remaining vanes as the same as above.  
 \* There are products with vanes with no. 1 and no. 2 only according to the product types.
- 5** Press  button to exit.  
 \* After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.  
 \* When exiting without pressing set button, the manipulated value is not reflected.


- 6** Press  button to complete and active the setting process.  
 (Airflow direction function will be released whenever setting vane angle)


- 7** Press  button to exit or system will automatically release without any input after 25 seconds.



## Function setting - Changing Current Time



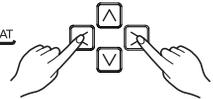
- 1** Please press function setup button. If pressing function setup button repeatedly, it moves to time setup menu. 'Time setup' icon is indicated at that time and date blinks at current time indication area.



Ex) Changing Current Time as 'Monday / AM 10:20'.

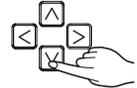
- 2** Press key to adjust the current day.

SUN MON TUE WED THU FRI SAT



- 3** Press key to move to AM/ PM setting mode (the 'AM/ PM segment will flash).

AM 12:00

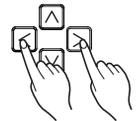


- 4** Setting AM/ PM value by pressing button.



- 5** Press button to move to 'Hour' setting mode. (the 'Hour' segment will flash)

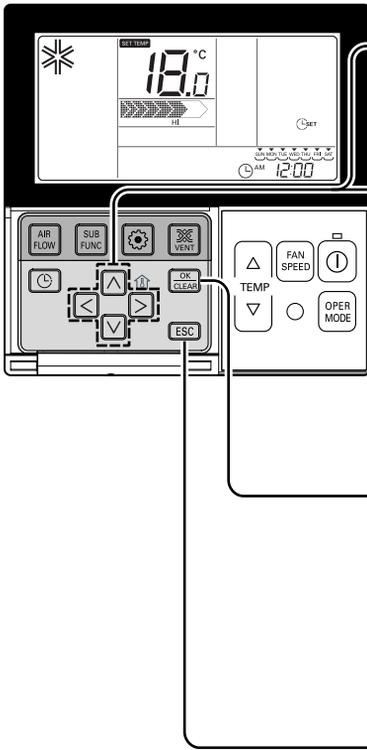
AM 12:00



- 6** Setting Hour value by pressing button.

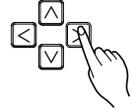
AM 10:00





**7** Press button to move to 'Minute' setting mode. (the 'Minute' segment will flash)

AM 10:00



**8** Setting Minute value by pressing button.

AM 10:20



**9** Press button to finish.

AM 10:20



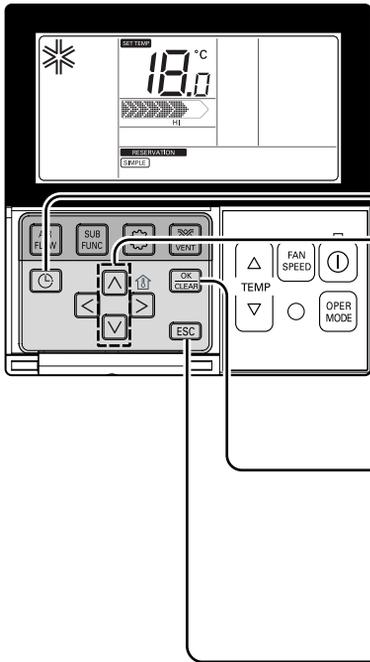
**10** In the process, press button to release and exit from setting mode. (In case of exit with incomplete information, it will return to the previous setting)

\* When exiting without pressing set button, the manipulated value is not reflected.



## Programming - Simple Reservation

You can set the reservation conveniently in the units of 1 hour from 1 hour to 7 hours.



- 1** Press button to enter the Programming mode.  
(the **SIMPLE** segment flashing)



Ex) Setting Simple Reservation time as '3'.

- 2** Press button to adjust reservation time.

**1** → **3**



- 3** Press button to finish setting.

**3**

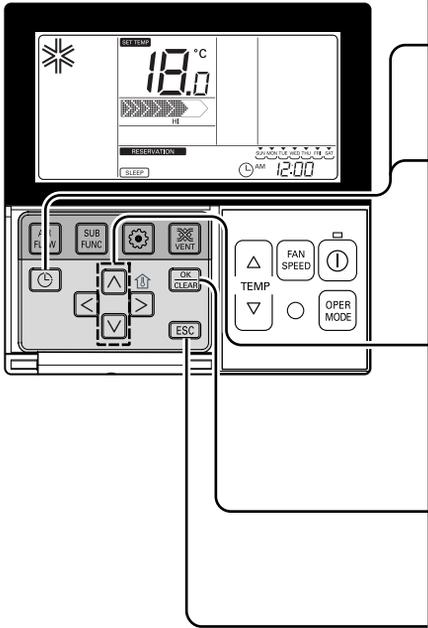


- 4** Press button to exit.  
 \* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.  
 \* When exiting without pressing set button, the manipulated value is not reflected.

\* When simple reservation setup, product automatically runs or stops after the time that is set.

## Programming - Sleep Reservation

Sleep reservation is the function of air-conditioner to run and stop after certain period of time at sleep mode before sleep. When connected to a ventilation product and set the sleep reservation, when it goes to the sleep mode, after the set time has elapsed.



- 1** Press  button to enter the Programming mode.  
Ex) Setting Sleep Reservation time as '3'.


- 2** Repeat pressing  button to enter the SLEEP reservation setting mode.  
(  segment flashing)
- 3** Press   button to adjust reservation time.  
The SLEEP reservation time is from 1 to 7 hours.

 → 


- 4** Press  button to finish setting.  
Whenever reservation is done.


- 5** Press  button to exit.

  - \* After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.
  - \* When exiting without pressing set button, the manipulated value is not reflected.
    - If reservation is setup, 'sleep' indication shows up at the lower part of LCD screen.
- 6** If finishing sleep reservation setup, air-conditioner product operates sleep drive and stops after the time that is set.

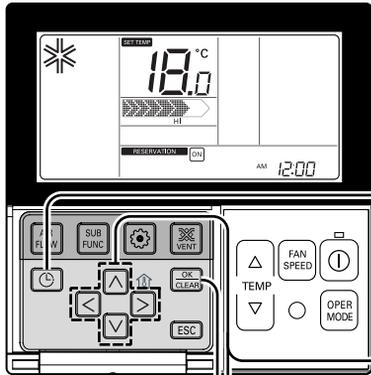
### CAUTION

Please reserve proper time at sleeping. (Too much air-cooling is not good for your health.)

- Because it automatically adjusts desired temperature for comfortable air-cooling at sleep drive, there could be difference between remote controller's desired temperature and air-conditioner body's desired temperature.
- Sleep reservation operates as off reservation for the product whose temperature adjustment isn't controlled by unit of 0.5°C.

## Programming - ON Reservation

Automatically turned On at reserved time that you set.



**1** Press button.



Ex) Setting ON Reservation  
Time as 'AM 10:20'.

**2** Repeat pressing button to enter the ON reservation setting mode.  
( segment flashing)



**3** Press button to adjust AM/ PM setting.

AM 12:00



**4** Press button to Hour setting mode. When the Hour icon flash, please setting time.  
The setting range is within 1~12.

AM 12:00



AM 10:00



**5** Press button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.

AM 10:00



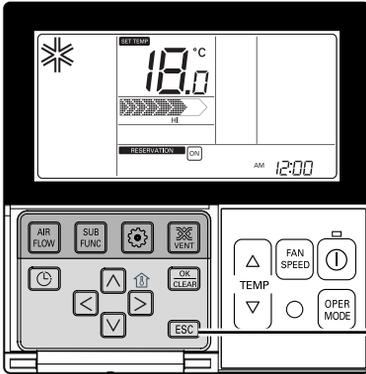
AM 10:20



**6** Press button to finish setting.

AM 10:20

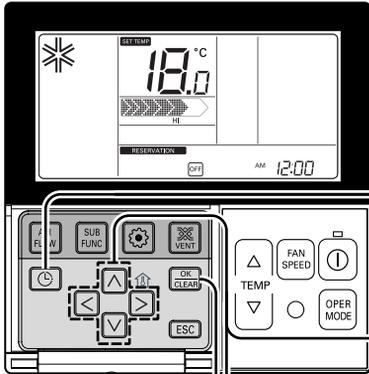




- 7** Press **ESC** button to exit.
- \* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
  - \* When exiting without pressing set button, the manipulated value is not reflected.
    - If reservation is set, 'turned on' indication shows up at the lower part of LCD screen, and air-conditioner product runs at the time that is set.
    - If reservation is cancelled, 'turned on' indication disappears.

## Programming - OFF Reservation

Automatically turned Off at reserved time that you set.



**1** Press button.

Ex) Setting OFF Reservation Time as 'AM 10:20'.



**2** Repeatedly pressing button to enter the OFF reservation setting mode.  
( segment flashing)



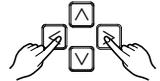
**3** Press button to adjust AM/ PM setting.

AM 12:00

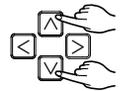


**4** Press button to shift to Hour setting mode. When the Hour icon flash, please setting time.  
The setting range is within 1~12.

AM 12:00

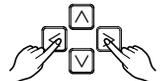


AM 10:00



**5** Press button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.

AM 10:00



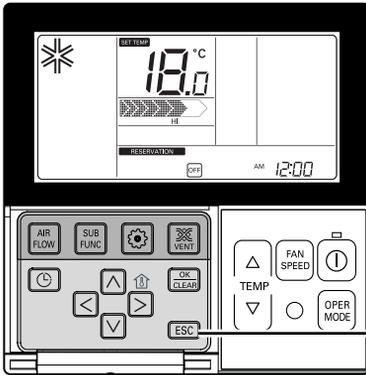
AM 10:20



**6** Press button to finish setting.

AM 10:20





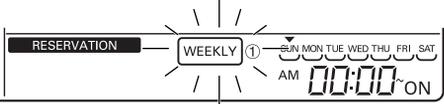
- 7** Press **ESC** button to exit.
- \* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
  - \* When exiting without pressing set button, the manipulated value is not reflected.
    - If reservation is set, 'turned off' indication shows up at the lower part of LCD screen, and air-conditioner product runs at the time that is set.
    - If reservation is cancelled, 'turned off' indication disappears.

## Programming : Weekly Reservation

You can set the daily reservation in weekly unit.

Weekly reservation keeps operating until before you cancel it once you setup

- 1** Please move to reservation setup mode by pressing reservation button.  
 \* You can setup two weekly reservations for one day, and up to fourteen reservations for a week.  
 For example, to setup (Tuesday morning 11:30 turned on ~ afternoon 12:30 turned off), you setup in order below.
- 2** Please move to 'weekly' by repeatedly pressing reservation button. 'Weekly' blinks at this time.


- 3** Please select weekly reservation ① or weekly reservation ② by using   button.  
 \* You can setup two reservations, weekly reservation 1 and weekly reservation 2, for a day.

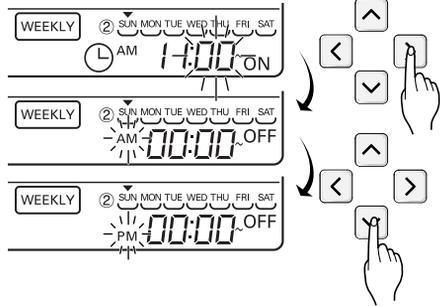

- 4** Please move to 'date' setup part by using   button. If 'date' indication blinks, please setup date. You can setup date from Monday to Sunday.


- 5** Please move to 'AM/PM' setup part of turning on by using   button.

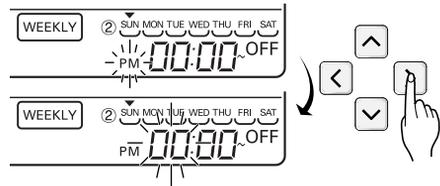

- 6** Please move to 'hour' setup part of turning on by using   button.  
 - It is the part to setup the time at which air-conditioner is turned on.


- 7** Please change time by using   button.  
 - You can setup hour 0~12.
- 8** Please move to 'minute' setup part of turning on by using  button.
- 9** If 'minute' indication blinks, please setup 'minute' by using   button

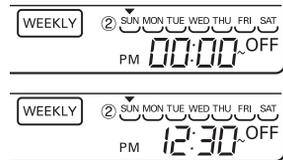
- 10** Please move to 'AM/PM' setup part of turning off by using  button.  
 - AM/PM setup is identical with turning on time setup.



- 11** Please move to 'hour' setup part of turning off by using Right button.  
 - It is the part to reserve the time at which air-conditioner is turned off.  
 - If 'hour' indication blinks, please setup 'hour'.



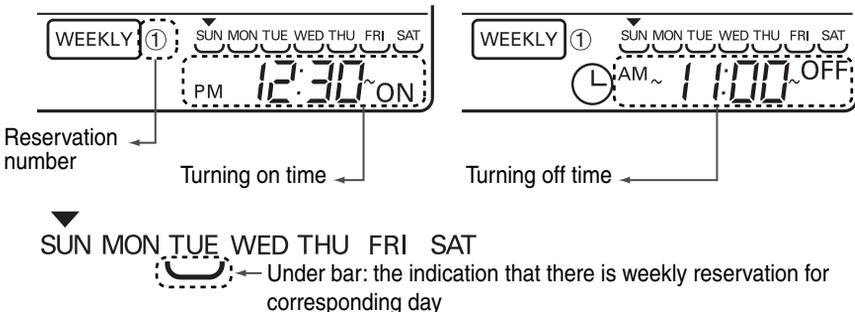
\* Please setup 'hour' and 'minute' identically with the method to setup turning on time.



- 12** If finishing weekly reservation setup, please press setup/cancellation button. Weekly reservation setup for the day that you set is finished.

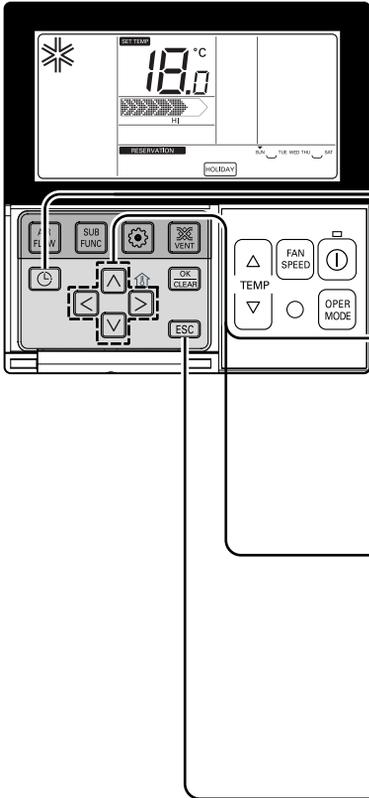
- 13** If you setup with the method identical with above by selecting the day that you'd like to setup, it operates weekly reservation.  
 If you setup both turning on reservation time and turning off reservation time identically, it doesn't operate reservation drive.

**Weekly reservation explanation**



## Programming : Holiday Reservation

It automatically stops at reserved day that you set.



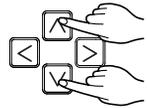
- 1** Please press button.  
It enters into reservation setup mode.



- 2** Please move to 'holiday' by repeatedly pressing button.



- 3** Please move to 'date' that you want to setup holiday by using button.



- 4** Please appoint or cancel holiday by using or button.  
For example, when you setup Monday/Friday to holiday  
- 'Monday', 'Friday' letter disappears.



- 5** Please press button if finishing holiday setup.

\* If it comes to appointed holiday, air-conditioner automatically stops.  
Once you setup holiday appointment, until before you cancel holiday setup, air-conditioner automatically stops within one hour even though you run air-conditioner.

## Ventilation setting (optional)

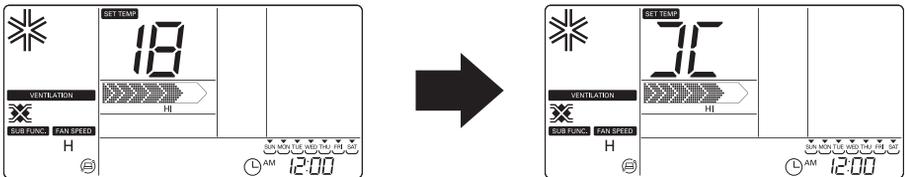
In case of there is linkage between ventilator and air conditioner, it is able to control this ventilator.

### 1. Control using remote controller where air conditioner indoor unit and the ventilation product is installed at the same time.

	Single Operation	Interlinked Operation
General Ventilation	<p>(General Ventilation Single Operation)</p>  <p>General Ventilation</p> <p>Wired Remote Controller</p>	<p>(General Ventilation Interlinked Operation)</p>  <p>Air conditioner Indoor unit</p> <p>General Ventilation</p> <p>Wired Remote Controller</p>
Direct Expansion Ventilation	<p>(Direct Expansion Ventilation Single Operation)</p>  <p>Direct Expansion Ventilation</p> <p>Wired Remote Controller</p>	<p>(Direct Expansion Ventilation Interlinked Operation)</p>  <p>Air conditioner Indoor unit</p> <p>Direct Expansion Ventilation</p> <p>Wired Remote Controller</p>

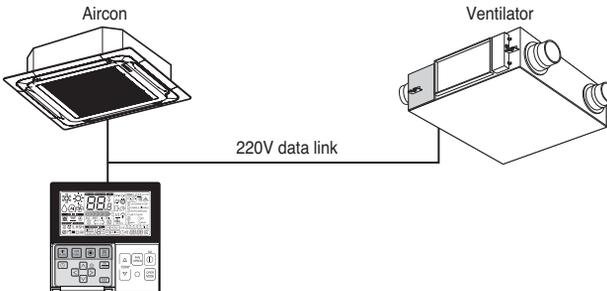
\* Connecting wires is the same as air conditioner user manual. (Refer to page about Group control)

### 2. Press 'Ventilation' button on the wired remote controller and enter Ventilation control mode to check the operation of ventilation product.



### 3. To convert back to air conditioner mode, press 'Ventilation' button at the ventilation mode.

- If no button pressed for 15 seconds or more at ventilation mode, it automatically converts back to air conditioner mode.
- Ventilation product represent general ventilation product and direct expansion ventilation product.



# Maintenance and Service

**CAUTION** Before performing any maintenance, turn off the main power to the system.

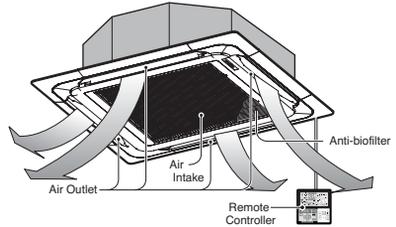
## Indoor Unit

### 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.

#### NOTICE

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.



- 1 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.

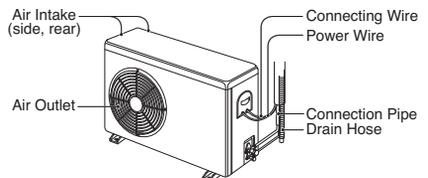
- 2 Clean dirt from the air filter using a vacuum cleaner or washing with water.
  - If dirt is conspicuous, wash with a neutral detergent in lukewarm water.
  - If hot water (50°C or more) is used, it may be deformed.
- 3 After washing with water, dry well in the shade.
  - Do not expose the air filter to direct sunlight or heat from a fire when drying it.
- 4 Install the air filter.

## Outdoor Unit

The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

#### NOTICE

Dirty or clogged coils will reduce the operating efficiency of the system and cause higher operating costs.



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

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

**1. Operate the air conditioner at the following settings for 2 to 3 hours.**

- Type of operation: Fan operation mode.(Refer to page 15.)
- This will dry out the internal mechanisms.

**2. Turn off the breaker.**



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

### 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.

**1. Clean the air filter and install it in the indoor unit.**

(Refer to page 35 for cleaning it.)

**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. It may be connect to the indoor unit side.**

## Operation Tips

#### Do not overcool the room.

This is not good for your 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 Tips! Save time and money!

Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

Case	Explanation	See page
<b>The air conditioner does not operate.</b>	• Have you made a mistake in timer operation?	23-33
	• Has the fuse blown or has the circuit breaker been tripped?	-
<b>The room has a peculiar odor.</b>	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
<b>It seems that condensation is leaking from the air conditioner.</b>	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
<b>Air conditioner does not operate for about 3 minutes when restarted.</b>	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.	-
<b>Does not cool or heat effectively.</b>	• Is the air filter dirty? See air filter cleaning instructions.	35
	• The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.	-
	• Has the temperature been set incorrectly?	16
	• Are the indoor unit's air inlet or outlet vents obstructed?	-
<b>The air conditioner operation is noisy.</b>	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit.	-
	• For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit.	-
<b>Remote control display is faint, or no display at all.</b>	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?	-
<b>Crack sound is heard.</b>	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-
<b>Filter sign lamp (LED) is ON.</b>	• Cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 sec.	-

**Details of LG serial No.**



**1 2 3 4 5 6 7 8 9 10**

**Main Service Part List**

Code	Detail	Code of Model	Meaning
1	Year	0~9 (Digit)	The last digit of year ex) 1997 → 7, 2000 → 0
2,3	Month	01~12 (Digit)	Month ex) March → 03, August → 08
4	Nation	A~Z (Alphabet)	Where manufactured ex) K → Korea, C → China
5	Product	A~Z (Alphabet)	ex) A → Airconditioner
6~10	Serial No.	0~9 (Digit)	Production Quantity

NO	PART NAME
1	COMPRESSOR
2	MOTOR
3	MAIN PCB ASSY
4	REMOCON
5	TRANSFORMER

H. G. IBRAHIM SHAKER COMPANY, LTD.  
SERVICE CENTER

- \* JEDDAH → P. O. BOX 50, JEDDAH 21411 KINGDOM OF SAUDI ARABIA  
TEL NO. : 6422952 / 6425527
- \* RIYADH → P. O. BOX 15, RIYADH 11411 KINGDOM OF SAUDI ARABIA  
TEL NO. : 4020570
- \* AL-KHOBAR → P. O. BOX 78, AL-KHOBAR 31952 KINGDOM OF SAUDI ARABIA  
TEL NO. : 8943714