

OWNER'S MANUAL

# AIR CONDITIONER

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

CEILING CONCEALED DUCT



P/NO : MFL68120710

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

## TIPS FOR SAVING ENERGY

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

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

### *For your records*

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

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

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

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

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

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

# IMPORTANT SAFETY INSTRUCTIONS

## **READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.**

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

### **WARNING**

It can result in serious injury or death when the directions are ignored

### **CAUTION**

It can result in minor injury or product damage when the directions are ignored

### **WARNING**

- Use two or more people to lift and transport the product. Avoid personal injury.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

## Installation

- Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.
  - There is risk of fire or electric shock.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.
  - Do not disassemble or repair the product. There is risk of fire or electric shock.
- Always ground the product.
  - There is risk of fire or electric shock.
- Install the panel and the cover of control box securely.
  - There is risk of fire or electric shock.
- Always install a dedicated circuit and breaker.
  - Improper wiring or installation may cause fire or electric shock
- Use the correctly rated breaker or fuse.
  - There is risk of fire or electric shock.
- Use the specified wires to connect the unit.
  - There is risk of fire or electric shock.
- Do not install, remove, or re-install the unit by yourself (customer).
  - There is risk of fire, electric shock, explosion, or injury.
- Be cautious when unpacking and installing the product.
  - Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.
- For installation, always contact the dealer or an Authorized Service Center.
  - There is risk of fire, electric shock, explosion, or injury.
- Do not install the product on a defective installation stand.
  - It may cause injury, accident, or damage to the product.
- Be sure the installation area does not deteriorate with age.
  - If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.

- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open. Moisture may condense and wet or damage furniture.

### Operation

- Take care to ensure that power cable could not be pulled out or damaged during operation.
  - There is risk of fire or electric shock.
- Do not place anything on the power cable.
  - There is risk of fire or electric shock.
- Do not plug or unplug the power supply plug during operation.
  - There is risk of fire or electric shock.
- Do not touch(operate) the product with wet hands.
  - There is risk of fire or electrical shock.
- Do not place a heater or other appliances near the power cable.
  - There is risk of fire and electric shock.
- Do not allow water to run into electric parts.
  - It may cause 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 panel 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 unit.
  - This could result in personal injury and product damage.

## CAUTION

### Installation

- Always check for gas (refrigerant) pressure 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 four weeks or more often if necessary.
  - A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.
- Do not insert hands or other objects through the air inlet or outlet while the product is operated.
  - There are sharp and moving parts that could cause personal injury.
- Do not drink the water drained from the product.
  - It is not sanitary and could cause serious health issues.
- Use a firm stool or ladder when cleaning or maintaining the product.
  - Be careful and avoid personal injury.
- **Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries. There is risk of fire or explosion.**
- Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire. They may burn or explode.
- **If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.**
- **If you eat the liquid from the batteries, brush your teeth and see doctor. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.**

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# BEFORE USE

## Preparing for operation

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

## Usage

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

## Cleaning and maintenance

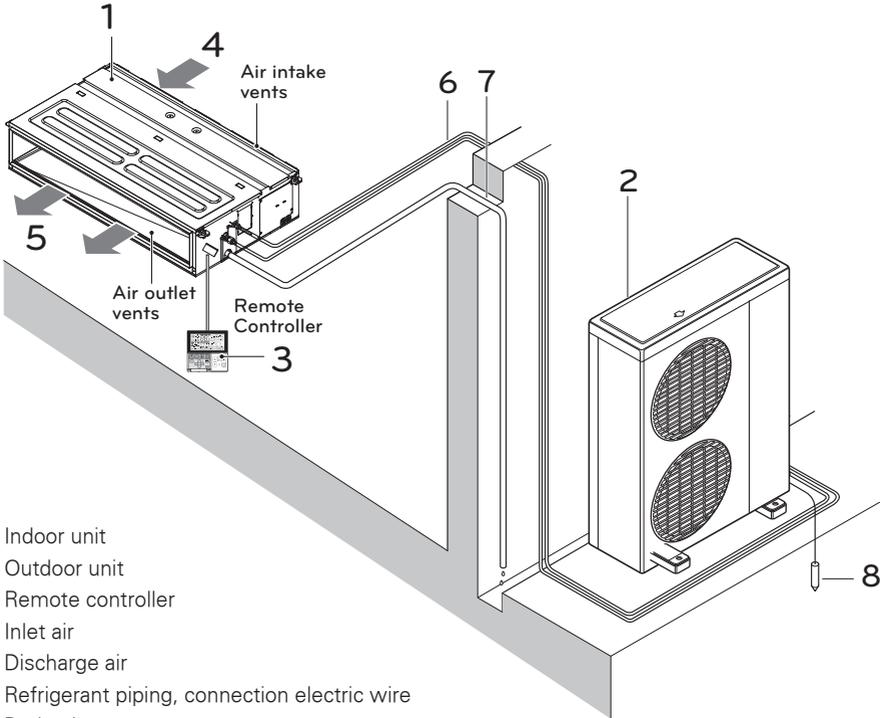
- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure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

## Service

For repair and maintenance, contact your authorized service dealer.

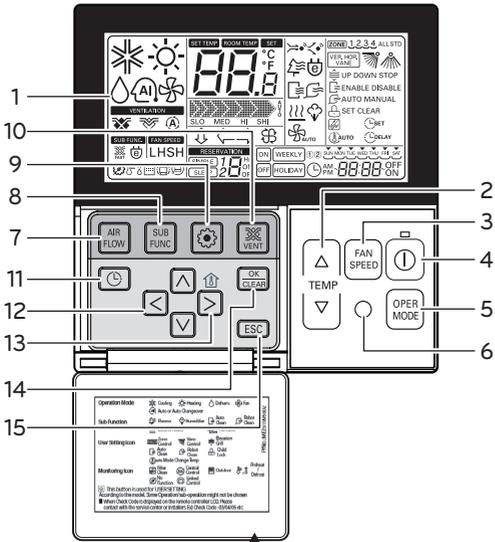
# PRODUCT INTRODUCTION

## Name and function of parts



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

# Wired Remote Controller (Accessory :PQRCVSLOQW)



- 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 SUB FUNCTION 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

Please attach the inform label inside of the door.  
Please choose proper language depend on your country.

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

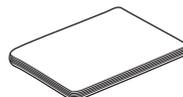
## Accessory



Connection Cable  
(1EA, 10m)



Screw  
(4 EA)



Owner's / Installation  
manual

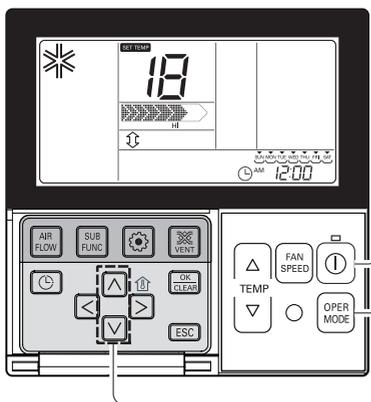


Inform label  
(8EA-8Languages)

# OPERATING INSTRUCTIONS

## Cooling Mode - Standard Operation

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.



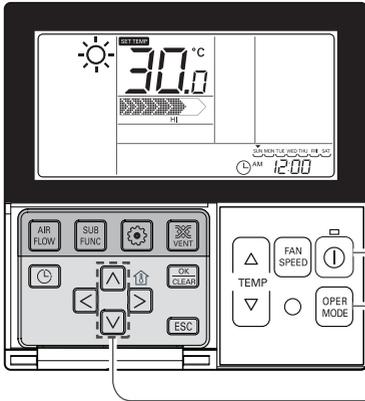
**3** Adjust the desired temperature by pressing   buttons. Press  button to check the Room temperature. When setting the desired temperature higher than room temperature, only ventilation wind is blow out instead of cooling wind.



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

## 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.



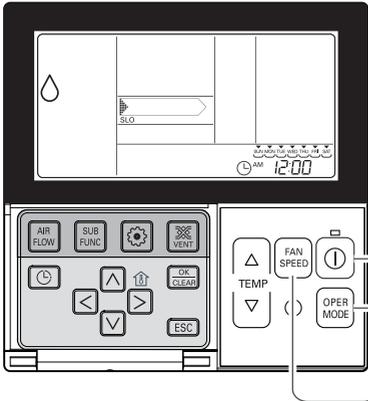
When setting the desired temperature lower than room temperature, there is only ventilation wind.

### ! NOTE

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

## Dehumidification Mode

It removes humidity while air-cooling weakly.

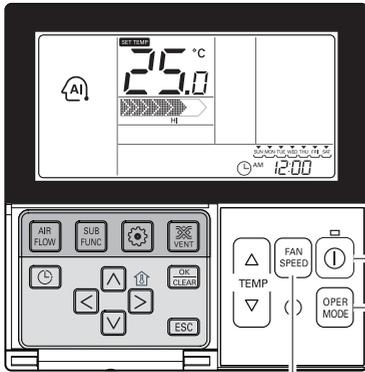


- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Dehumidification mode. The temperature setting can not be adjusted during operation this mode. 
- 3 Press the  button to select airflow rate feeble → weak → medium → strong → automatic. (The initial wind powerfulness of humidity removal drive is 'weak'.) 

### ! NOTE

- 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.

## Auto Operation Mode



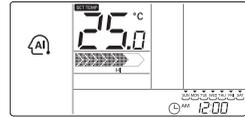
**1** Press  button to turn on the indoor.



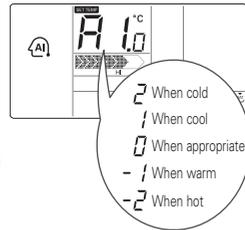
**2** Press  button to select Artificial intelligence Mode.



**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".



### ! NOTE

During operating Auto Operation mode:

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

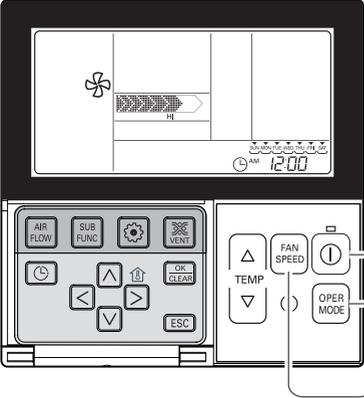
### ! NOTE

**"Auto Change Over Mode"** - heat pump model only when desired the set temperature is higher than the room temperature during the auto operation => heating operation (**for Heat pump models only**).

**When** desired the set temperature is lower than the room temperature during the auto operation => Cooling operation -Setting temp range : 18 C~30 C (64 F~86 F)

## Fan Mode

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

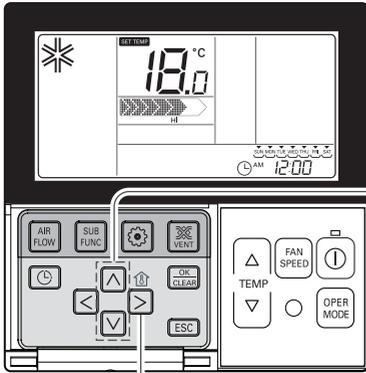


- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Fan Mode. 
- 3 Every time pressing  button, you can select wind flow in order of feeble → weak → medium → strong → automatic. When running ventilation, compressor of AHU doesn't work. 

### ! NOTE

- 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.

## 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

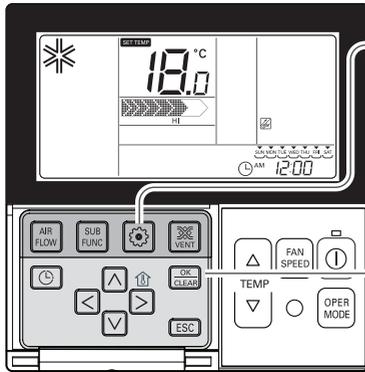
- 1 Whenever press button, the room temperature will be displayed within 5 seconds. After 5 seconds, it turns to display the desired temperature. Because of location of remote controller, the real room temperature and the this displayed value can be different

### ! NOTE

- 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.

## 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

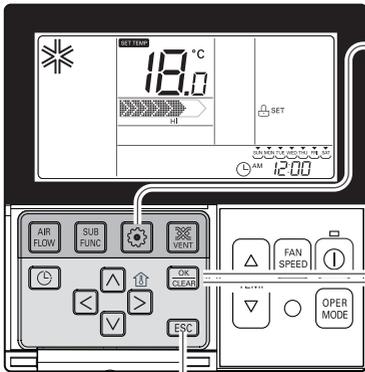


### ! NOTE

- 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.



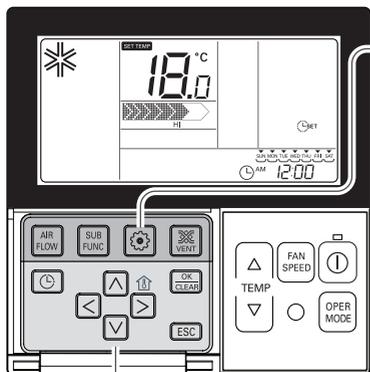
**3** When cancelling lock function, if moving to 'cancel' icon by pressing   button and then, pressing  button, child lock function is cancelled.

**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.

## Setting 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'.

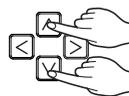
- 2** Press key to adjust the current day.



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



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



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

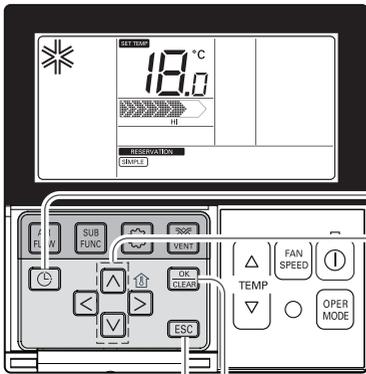


- 6** Setting Hour value by pressing button.



## Programming : Setting Simple Reservation

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

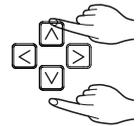


- 1** Press button to enter the Programming mode.  
(the **SIMPLE** segment flashing)

Ex) Setting Simple Reservation time as '3'.

- 2** Press button to adjust reservation time.

**1** → **3**



- 3** Press button to finish setting.

**3**



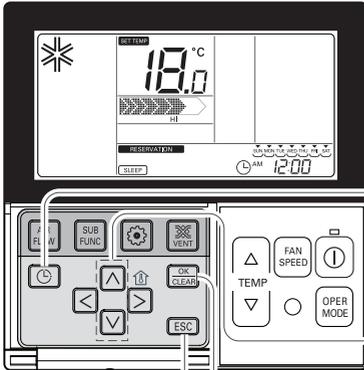
- 4** Press button to exit.  
\* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.  
\* When exiting without pressing set button, the manipulated value is not reflected.

### ! NOTE

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

## Programming : Setting 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.  
( **SLEEP** 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.

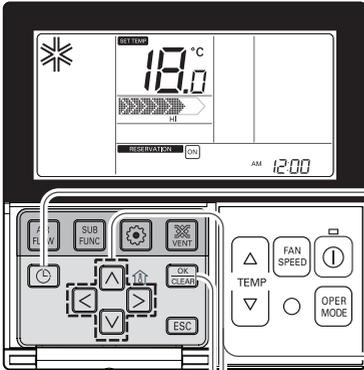
### CAUTION

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 : Setting 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)



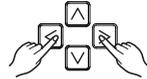
3 Press button to adjust AM/ PM  
setting.

AM 12:00

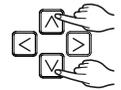


4 Press button to Hour setting  
mode. When the Hour icon flash, please  
setting time.  
The setting range is within 1~12.

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



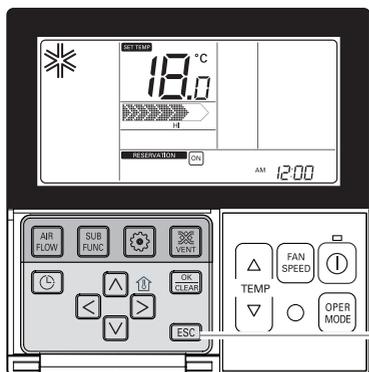
AM 10:20



6 Press button to finish setting.

AM 10:20



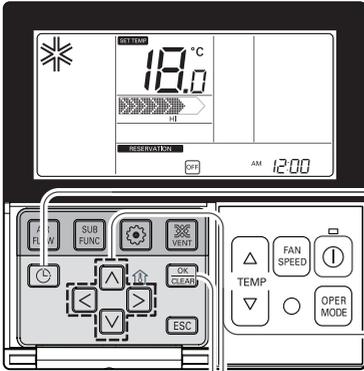


## 7 Press **ESC** button to exit.

- \* 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 : Setting 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.

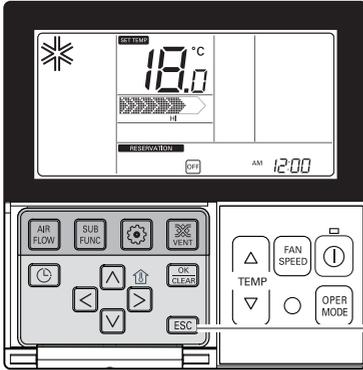
AM 12:00  
 AM 10:00

**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.

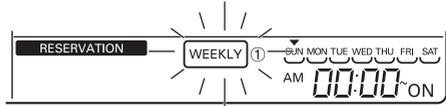
## Programming : Weekly Reservation

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.

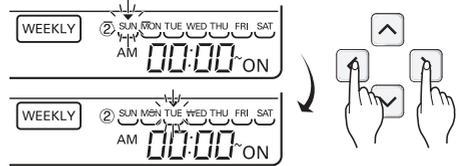
- 2** Please move to 'weekly' by repeatedly pressing reservation button. 'Weekly' blinks at this time.



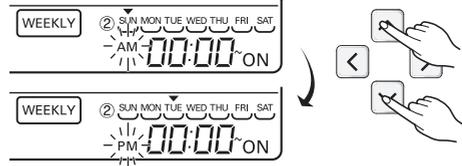
- 3** Please select weekly reservation or weekly reservation by using   button.  
 \* You can setup two reservations, weekly reservation 1 and weekly reservation 2, for a day.



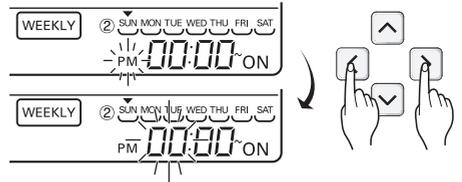
- 4** Please move to 'day' setup part by using   button. If 'day' indication blinks, please setup day. You can setup day from Monday to Sunday.



- 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.

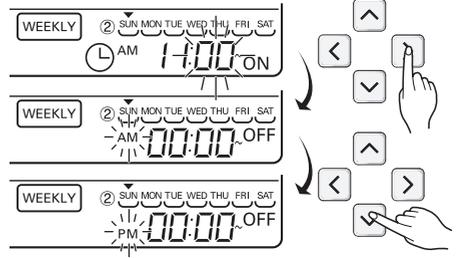


- 7** Please change time by using   button.  
 - You can setup hour 0~12.

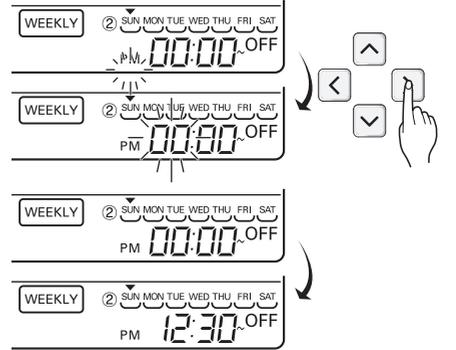
- 8** Please move to 'minute' setup part of turning on by using  button.

- 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.



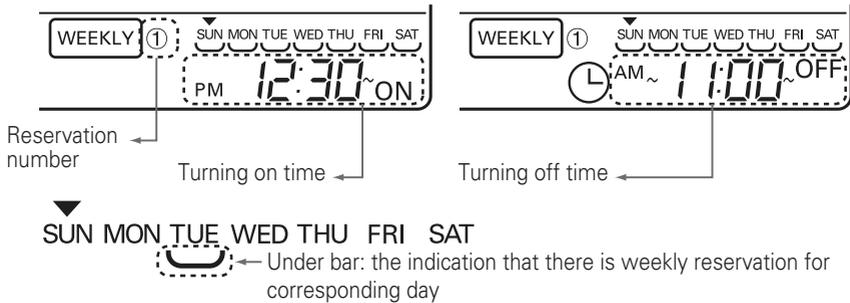
**11** Please move to 'hour' setup part of turning off by using Right button.  
 - It is the part to reserve the time at which air-conditioner is turned off.  
 - If 'hour' indication blinks, please setup 'hour'.  
 \* Please setup 'hour' and 'minute' identically with the method to setup turning on time.



**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**

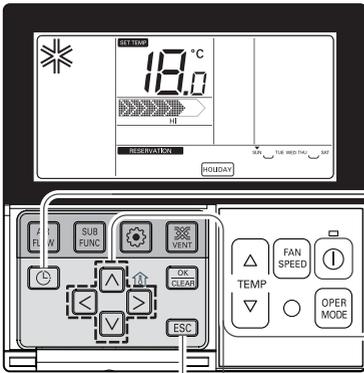


**NOTE**

- Indoor unit is turned on to desired temperature if it is configured using up/down button during preset of weekly operation time. (Temperature selection range : 18~30°)  
 - When desired temperature is not set, it is turned on automatically with desired temperature of previous operation.

## 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 'day' 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.

# MAINTENANCE AND SERVICE

## ⚠ CAUTION

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

## Indoor Unit

### Grille, Case, and Remote Control

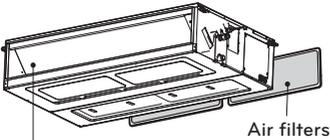
- Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

## ! NOTE

Supply power must be disconnected before cleaning the indoor unit.

### 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.

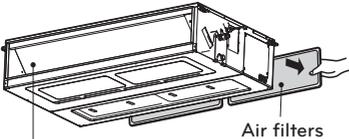


Air outlet vents

Air filters

### Air Filter

The air filters behind Indoor unit (the suction side) should be checked and cleaned once every 2 weeks or more often if necessary.



Air outlet vents

Air filters

- 1 Clean the filter with a vacuum or warm, soapy water.
  - If very dirty, wash with a solution of detergent in lukewarm water.
  - If hot water (50°C or more) is used, filter may be deformed.
- 2 After washing with water, dry well in the shade.
- 3 Re-install the air filter.

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

- 1 Operate the air conditioner on air circulation mode for 2 to 3 hours.
  - This will dry out the internal parts.
- 2 Turn off the circuit 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.

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

- Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

## 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.

## 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.
- Clean the air filter regularly.  
Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects.
- 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.
- 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!

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

Case	Explanation
The air conditioner does not operate.	<ul style="list-style-type: none"> <li>• Have you made a mistake in timer operation?</li> <li>• Has the fuse blown or has the circuit breaker been tripped?</li> </ul>
The room has a peculiar odor.	<ul style="list-style-type: none"> <li>• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.</li> </ul>
It seems that condensation is leaking from the air conditioner.	<ul style="list-style-type: none"> <li>• Condensation occurs when the airflow from the air conditioner cools the warm air.</li> </ul>
Air conditioner does not operate for about 3 minutes when restarted.	<ul style="list-style-type: none"> <li>• This is the protection device of the air conditioner.</li> <li>• Wait about three minutes and operation will begin.</li> </ul>
Does not cool or heat effectively.	<ul style="list-style-type: none"> <li>• Is the air filter dirty? - See air filter cleaning instructions.</li> </ul>
	<ul style="list-style-type: none"> <li>• The room may have been very hot when the air conditioner was first turned on. Allow time for it to cool down.</li> </ul>
	<ul style="list-style-type: none"> <li>• Has the setting temperature been set incorrectly?</li> </ul>
	<ul style="list-style-type: none"> <li>• Are the unit's air inlet or outlet vents obstructed?</li> </ul>
The air conditioner operation is noisy.	<ul style="list-style-type: none"> <li>• For a noise that sounds like water flowing. - This is the sound of freon flowing inside the air conditioner unit.</li> <li>• 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.</li> </ul>
Crack sound is heard.	<ul style="list-style-type: none"> <li>• This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes of temperature.</li> </ul>
Remote controller display is faint, or no display at all.	<ul style="list-style-type: none"> <li>• Has the circuit breaker been tripped?</li> </ul>

## Call the service immediately in the following situations

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

User must carry routine checkup & cleaning to avoid unit's poor performance.  
In case of special situation, the job must be carried out by service person only.