

# OWNER'S MANUAL

# AIR CONDITIONER

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

## TYPE: CEILING CONCEALED DUCT

### MODELS

LBNC182HSA2	LBNC362GSA2	LBNH182HSA2	LBNH362GSA2
LBUC182HSA2	LBUC362GSA2	LBUH182HSA2	LBUH362GSA2
LBNC242HSA2	LBNC482RSA2	LBNH242HSA2	LBNH482RSA2
LBUC242HSA2	LBUC482RSA2	LBUH242HSA2	LBUH482RSA2
LBNC302GSA2	LBNC602RSA2	LBNH302GSA2	LBNH602RSA2
LBUC302GSA2	LBUC602RSA2	LBUH302GSA2	LBUH602RSA2

# CONTENTS

Safety Precautions .....3  
Product Introduction.....7  
Operating Instructions.....9  
Maintenance and Service ....27



## 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**

### ■ Installation

- |   |   |  |
|---|---|--|
| <p><b>Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul> | <p><b>For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.</b></p> <ul style="list-style-type: none"> <li>• Do not disassemble or repair the product. There is risk of fire or electric shock.</li> </ul> | <p><b>Always ground the product.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>  |
| <p><b>Install the panel and the cover of control box securely.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>   | <p><b>Always install a dedicated circuit and breaker.</b></p> <ul style="list-style-type: none"> <li>• Improper wiring or installation may cause fire or electric shock</li> </ul>  | <p><b>Use the correctly rated breaker or fuse.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>  |
| <p><b>Do not modify or extend the power cable.</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire or electric shock.</li> </ul>   | <p><b>Do not install, remove, or re-install the unit by yourself (customer).</b></p> <ul style="list-style-type: none"> <li>• There is risk of fire, electric shock, explosion, or injury.</li> </ul>   | <p><b>Be cautious when unpacking and installing the product.</b></p> <ul style="list-style-type: none"> <li>• Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.</li> </ul> |

## Safety Precautions

---

**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.

## ■ 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.

**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.**

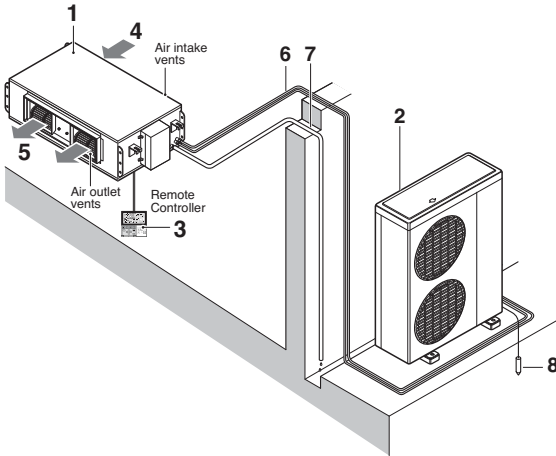
- The chemicals in batteries could cause burns or other health hazards.

**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.

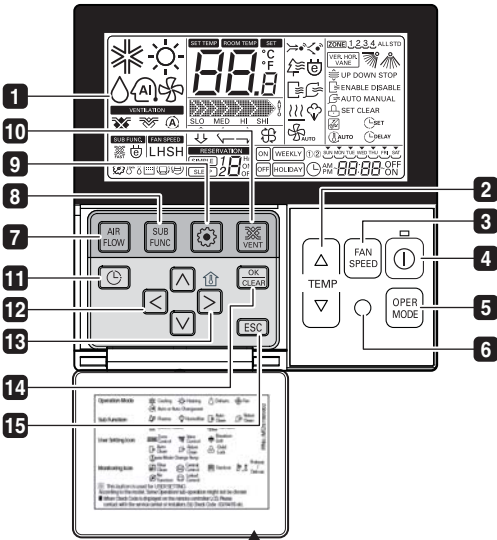
# Product Introduction

## 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 :PQRCVSL0QW)



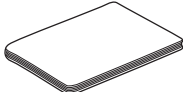



Please attach the inform label inside of the door.  
Please choose proper language depend on your country.

- 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.

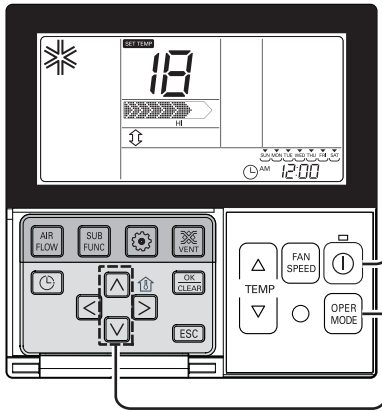
## Accessory

			
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)

## Standard Operation - Power Cooling

It makes the room cool using pleasant and fresh air quickly

The diagram shows the control panel with three numbered steps: 1. Press the power button (⏻) to turn on the indoor unit. 2. Press the FAN SPEED button to select cooling operation mode. 3. Press the FAN SPEED button continuously until 'Po' is displayed on the screen.

### 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.

## Heating Mode(Heat pump model only)

It supplies warm wind to the indoor

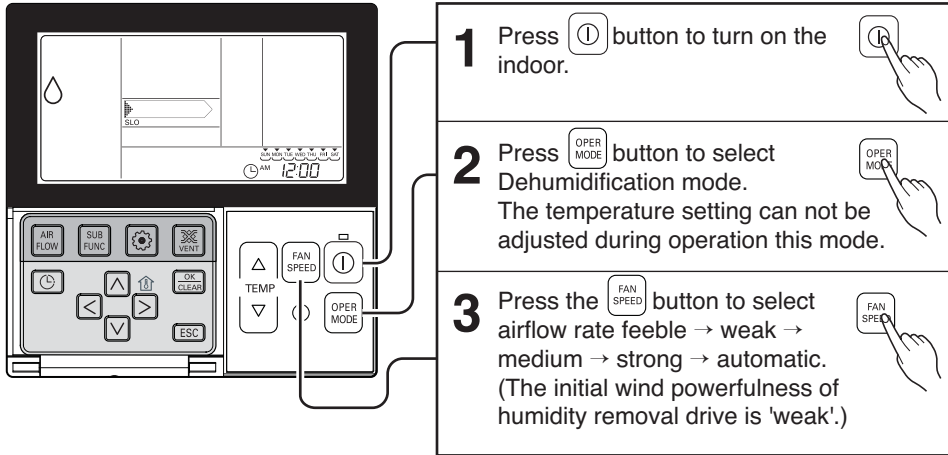
The diagram shows the control panel with three numbered steps: 1. Press the power button (⏻) to turn on the indoor unit. 2. Press the OPER MODE button to select Heating mode. (To check the indoor temperature, press the room temperature button.) 3. Adjust the desired temperature by pressing the up (▲) and down (▼) 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.

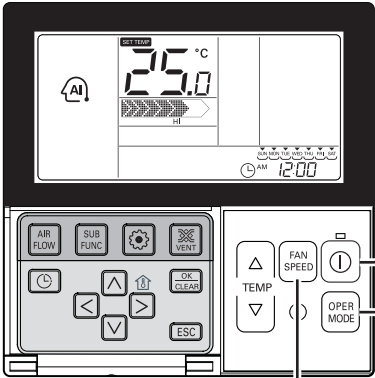
## Dehumidification Mode


It removes humidity while air-cooling weakly.






- 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.

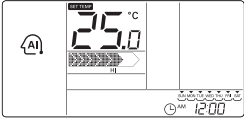
# Auto Operation Mode

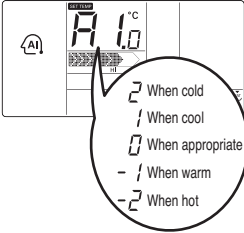


- 1** Press  button to turn on the indoor.


- 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".



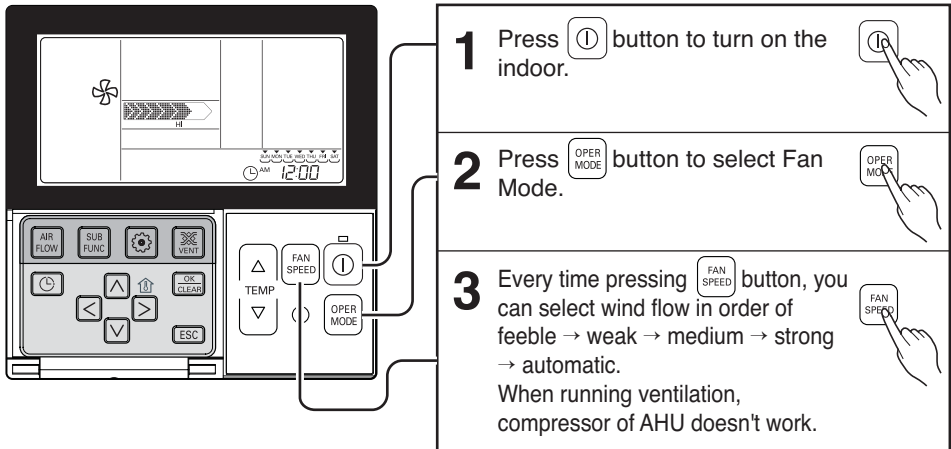
2 When cold  
1 When cool  
0 When appropriate  
- 1 When warm  
- 2 When hot

**During operating Auto Operation mode:**

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

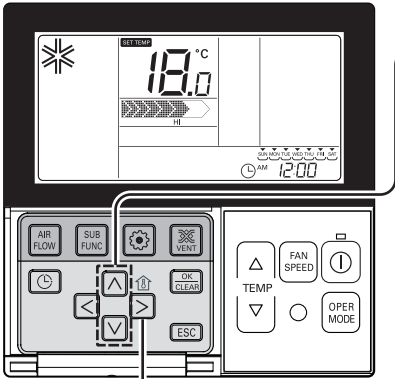
## Fan Mode

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.

# 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.

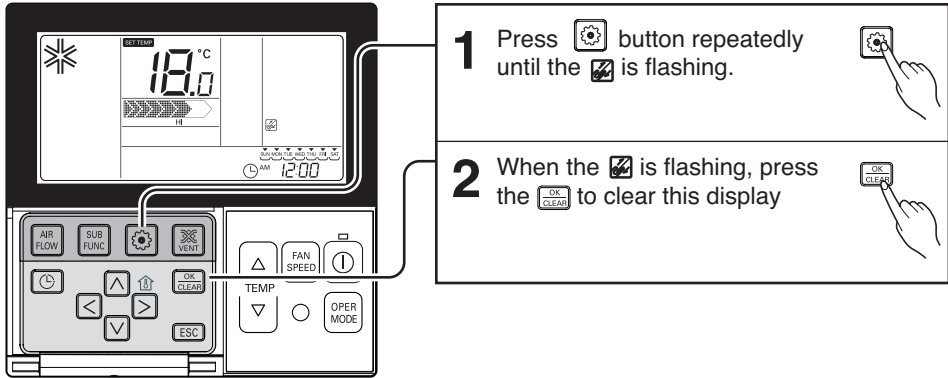
## Room Temperature Check

- 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.

## Function setting : Filter Sign Clear

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

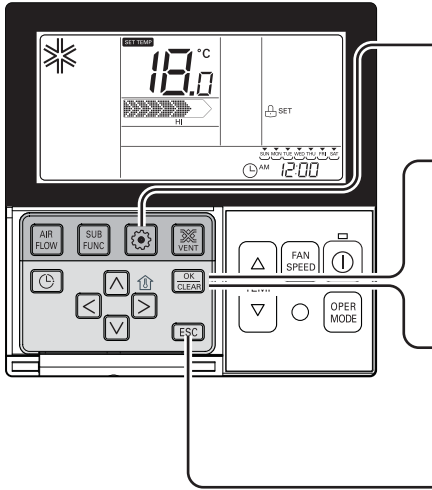


- When filter is covered by dust, it will reduce cooling/heating efficiency and accumulate more electric power. Therefore, do clean the filter whenever cleaning time is expired.

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

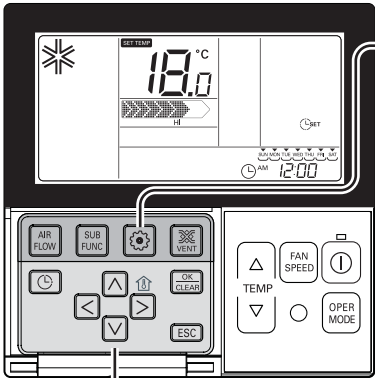
## Function setting : Child Lock

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



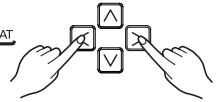
- 1 Please press function setup button. If pressing function setup button repeatedly, it moves to time setup menu. 'Time setup' icon is indicated at that time and date blinks at current time indication area.



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

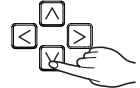
- 2 Press key to adjust the current day.

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

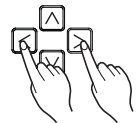


- 4 Setting AM/ PM value by pressing button.



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

AM 12:00



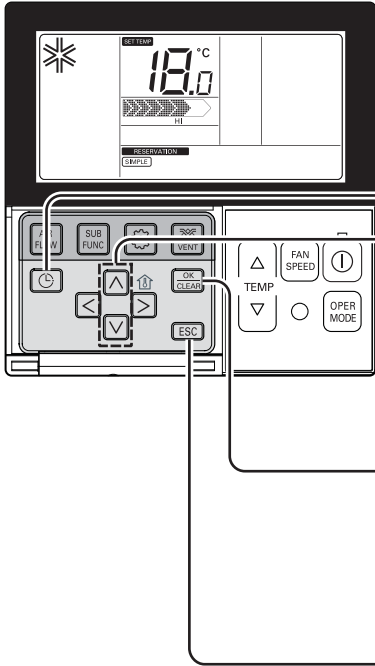
- 6 Setting Hour value by pressing button.

AM 10:00



# Programming : Setting Simple Reservation

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

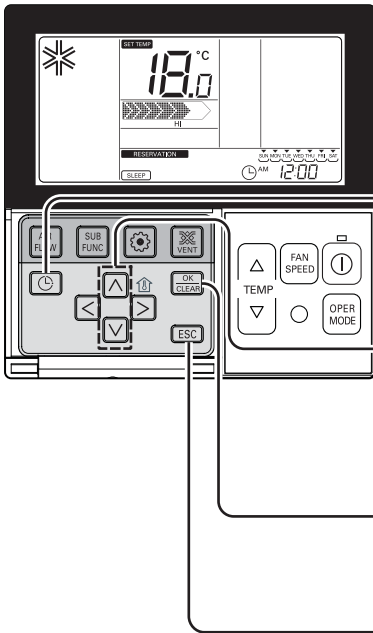


<b>1</b>	Press  button to enter the Programming mode. (the <b>SIMPLE</b> segment flashing)	
Ex) Setting Simple Reservation time as '3'.		
<b>2</b>	Press   button to adjust reservation time.	
<b>3</b>	Press  button to finish setting.	
<b>4</b>	Press  button to exit. * After setup, it automatically gets 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 : 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.  
( 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.

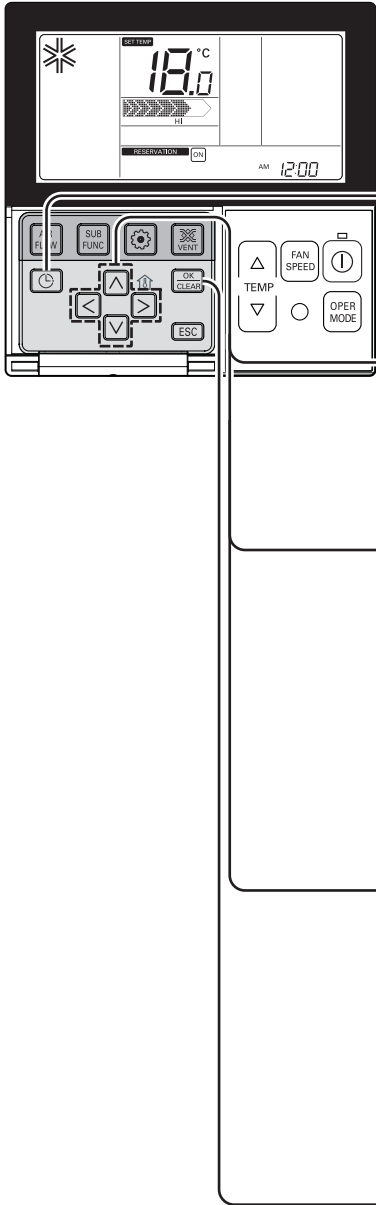
### CAUTION

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

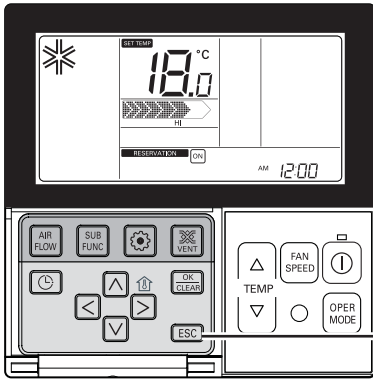
- Because it automatically adjusts desired temperature for comfortable air-cooling at sleep drive, there could be difference between remote controller's desired temperature and air-conditioner body's desired temperature.
- Sleep reservation operates as off reservation for the product whose temperature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

# Programming : Setting ON Reservation

Automatically turned On at reserved time that you set.



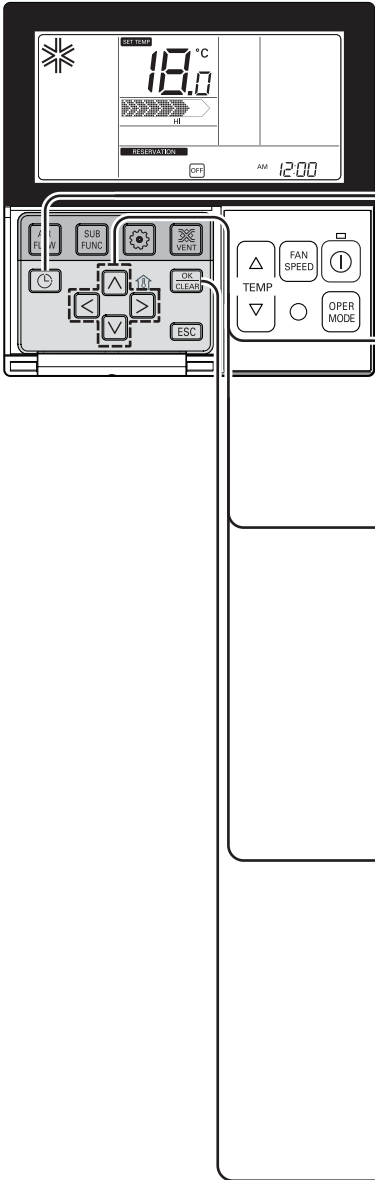
<p><b>1</b> Press  button.</p> <p>Ex) Setting ON Reservation Time as 'AM 10:20'.</p>	
<p><b>2</b> Repeat pressing  button to enter the ON reservation setting mode. (  segment flashing)</p>	
<p><b>3</b> Press   button to adjust AM/ PM setting.</p> <p style="text-align: center;"> AM 12:00</p>	
<p><b>4</b> Press   button to Hour setting mode. When the Hour icon flash, please setting time. The setting range is within 1~12.</p> <p style="text-align: center;"> AM 12:00</p> <p style="text-align: center;"> AM 10:00</p>	
<p><b>5</b> Press   button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.</p> <p style="text-align: center;"> AM 10:00</p> <p style="text-align: center;"> AM 10:20</p>	
<p><b>6</b> Press  button to finish setting.</p> <p style="text-align: center;"> AM 10:20</p>	



- 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.



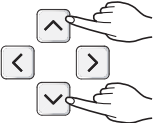
- 1** Press button.

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


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

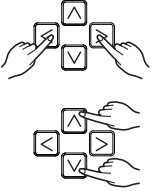

- 3** Press button to adjust AM/ PM setting.

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.

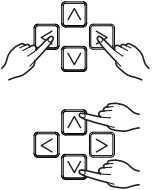
AM 12:00

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.

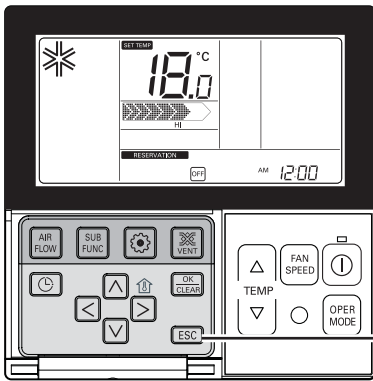
AM 10:00

AM 10:20


- 6** Press button to finish setting.

AM 10:20





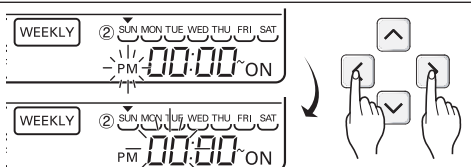
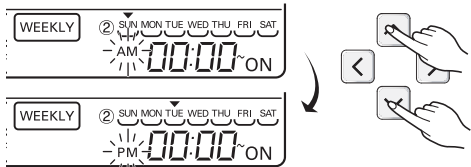
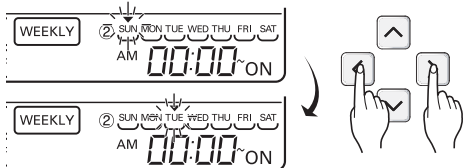
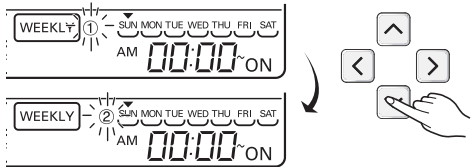
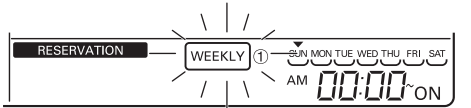
- 7** Press **ESC** button to exit.
- \* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
  - \* When exiting without pressing set button, the manipulated value is not reflected.
    - If reservation is set, 'turned off' indication shows up at the lower 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

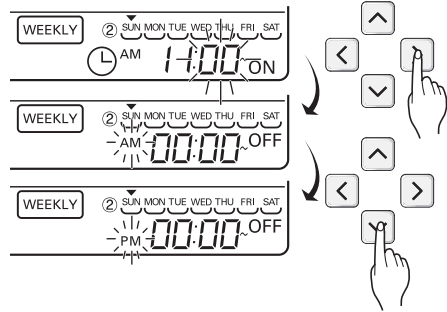
You can set the daily reservation in weekly unit.

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

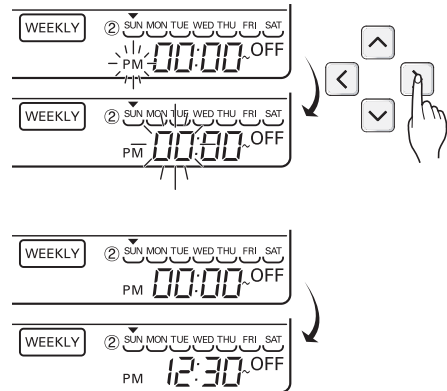
<b>1</b>	<p>Please move to reservation setup mode by pressing reservation button.</p> <p>* You can setup two weekly reservations for one day, and up to fourteen reservations for a week.</p> <p>For example, to setup (Tuesday morning 11:30 turned on ~ afternoon 12:30 turned off), you setup in order below.</p>
<b>2</b>	<p>Please move to 'weekly' by repeatedly pressing reservation button. 'Weekly' blinks at this time.</p>
<b>3</b>	<p>Please select weekly reservation or weekly reservation <i>i</i> by using <input type="checkbox"/> <input type="checkbox"/> button.</p> <p>* You can setup two reservations, weekly reservation 1 and weekly reservation 2, for a day.</p>
<b>4</b>	<p>Please move to 'date' setup part by using <input type="checkbox"/> <input type="checkbox"/> button. If 'date' indication blinks, please setup date. You can setup date from Monday to Sunday.</p>
<b>5</b>	<p>Please move to 'AM/PM' setup part of turning on by using <input type="checkbox"/> <input type="checkbox"/> button.</p>
<b>6</b>	<p>Please move to 'hour' setup part of turning on by using <input type="checkbox"/> <input type="checkbox"/> button.</p> <p>- It is the part to setup the time at which air-conditioner is turned on.</p>
<b>7</b>	<p>Please change time by using <input type="checkbox"/> <input type="checkbox"/> button.</p> <p>- You can setup hour 0~12.</p>
<b>8</b>	<p>Please move to 'minute' setup part of turning on by using <input type="checkbox"/> button.</p>
<b>9</b>	<p>If 'minute' indication blinks, please setup 'minute' by using <input type="checkbox"/> <input type="checkbox"/> button</p>



- 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'.

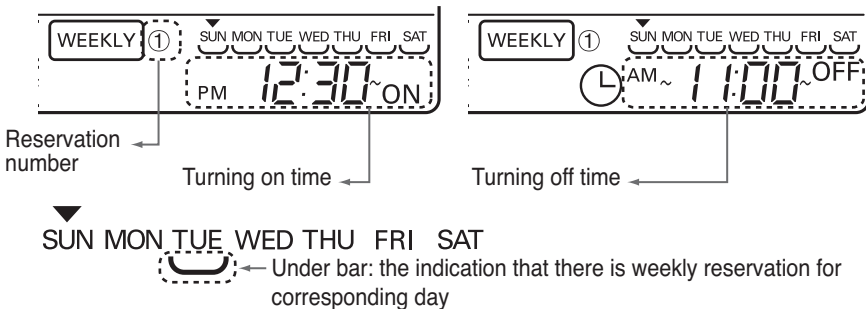


\* Please setup 'hour' and 'minute' identically with the method to setup turning on time.

- 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.

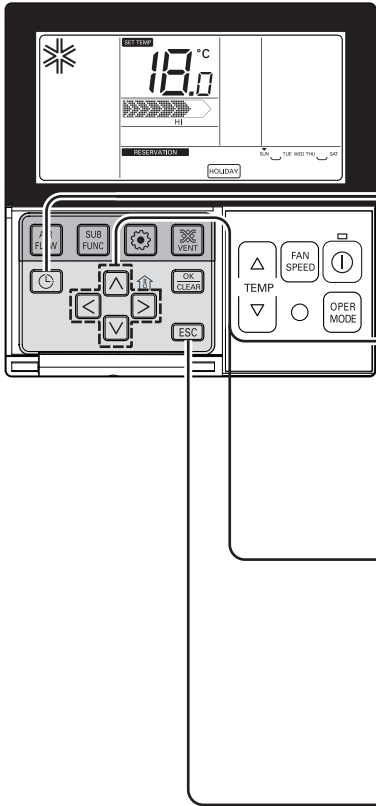
**Weekly reservation explanation**




\* 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°C~30°C)  
- When desired temperature is not set, it is turned on automatically with desired temperature of previous operation.


# Programming : Holiday Reservation

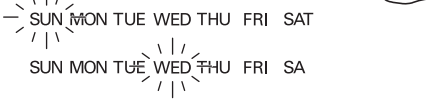
It automatically stops at reserved day that you set.




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


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


- 3** Please move to '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.

# Maintenance and Service

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

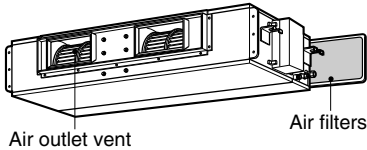
## Indoor Unit

### 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.

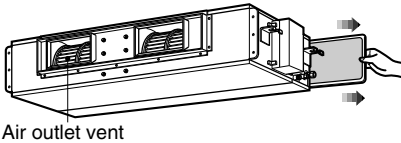
#### Note:

Supply power must be disconnected before cleaning the indoor unit.



### 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.



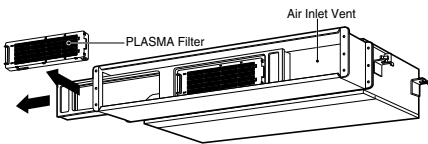
- Never use any of the followings:
  - Water hotter than 40°C  
Could cause deformation and/or discoloration.
  - Volatile substances  
Could damage the surfaces of the air conditioner.



- 1 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.

### PLASMA Filter (Optional)

The PLASMA filter should be checked and cleaned, once every month or more often, if necessary.



- 1 After removing the Panel-Cover, draw the Air Cleaner Bracket slightly sideward to remove the PLASMA filter.
- 2 Dip the PLASMA filter into the water mixed with mild detergent, for 20~30 minutes.
- 3 Dry the PLASMA filter in the shade for a day. (Especially, the humidity must be removed perfectly from this parts).
- 4 Be careful not to cut the electric discharge lines while washing.
- 5 Re-install the PLASMA filter to the original position.



**CAUTION:** Don't touch this PLASMA Filter within 10 seconds after drawing out Air Cleaner Bracket, it may cause an electric shock.

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

When it 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 the health and wastes electricity.

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.

Keep blinds or curtains closed.

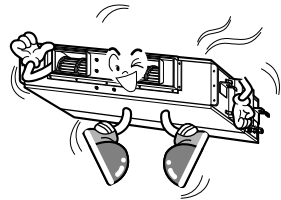
Do not let direct sunshine enter the room when the air conditioner is in operation.

Ventilate the room occasionally.

Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

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.



## Troubleshooting Tips!

Check the following points before requesting repairs or service.... If the malfunction persist, 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>• On first starting, the indoor unit operates in fifteen seconds.</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 condensate 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 room air.</li> </ul>
Air conditioner does not operate for about 3 minutes when restart.	<ul style="list-style-type: none"> <li>• This is the protector of the mechanism.</li> <li>• Wait about three minutes and operation will begin.</li> </ul>
Does not cool or heat effectively.	<ul style="list-style-type: none"> <li>• Is the air filter dirty? See air filter cleaning instructions.</li> <li>• The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.</li> <li>• Has the setting temperature been set incorrectly?</li> <li>• Are the indoor 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.               <ul style="list-style-type: none"> <li>-This is the sound of freon flowing inside the air conditioner unit.</li> </ul> </li> <li>• For a noise that sounds like the compressed air releasing into atmosphere.               <ul style="list-style-type: none"> <li>-This is the sound of the dehumidifying water being processed inside the air conditioning unit.</li> </ul> </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 control 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**



**LG Electronics México, S.A de C.V**

Av. Sor Juana Inés de la Cruz No. 555

Col. San Lorenzo

Tlalnepantla, Estado de México C.P. 54033

Tel. 5321 1919

Teléfono sin costo 01 800 347 1919

Página web <http://www.lg.com.mx>

