



LG

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LG

ENGLISH

ESPAÑOL

LG Ceiling Concealed Duct Air Conditioner

OWNER'S MANUAL



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

IMPORTANT

- Please read this owner's manual carefully and thoroughly before installing and operating your room air conditioner.
- Please retain this owner's manual for future reference after reading it thoroughly.

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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.

	Be sure not to do.
	Be sure to follow the instruction.

WARNING

■ Installation

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

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.

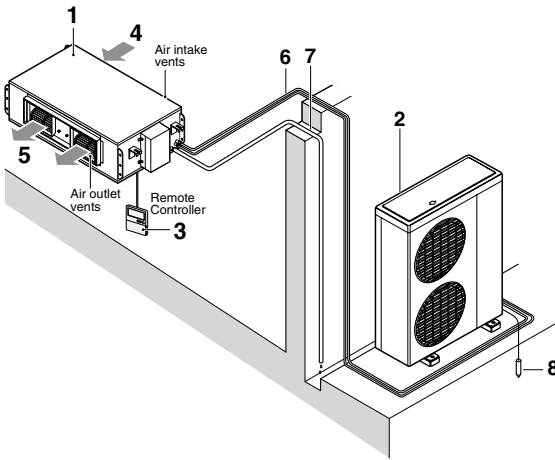
- The chemicals in batteries could cause burns or other health hazards.

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.

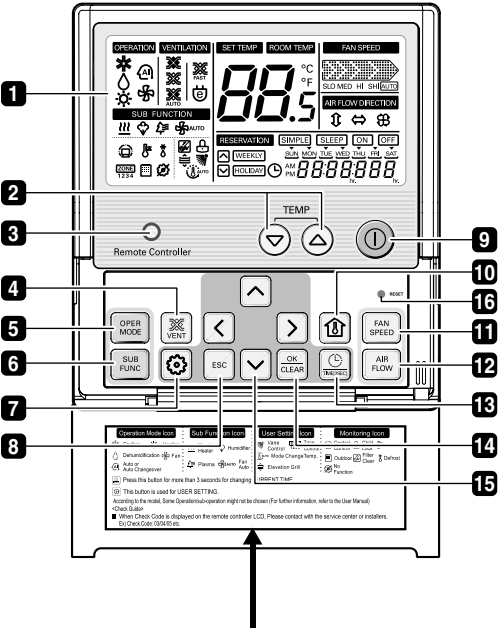
Product Introduction

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.

Name and Function of Remote Controller



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

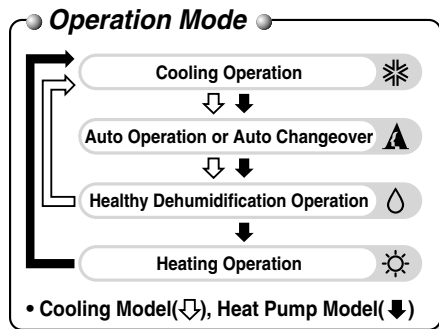
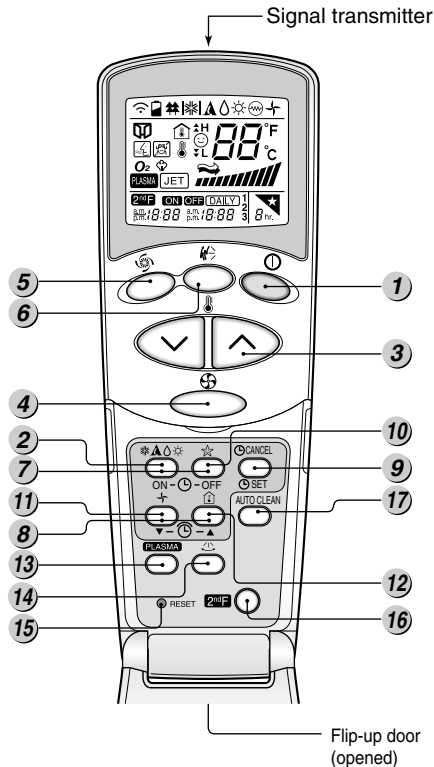
Please attach the inform label inside of the door.
Please choose proper language depend on your country.

* Display temperature can be different from actual room temperature if the remote controller is installed at the place where sun-rays are falling directly or the place nearby heat source.

Optional Function

• WIRELESS REMOTE CONTROLLER

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



1. Start/Stop Button

Operation starts when this button is pressed.

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

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 Button

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 Button

Used to set the desired horizontal airflow direction.

13. Plasma

Used to start or stop the plasma-purification function.

14. Horizontal Airflow Direction Control Button

Used to set the desired horizontal airflow direction.

15. Reset Button

Initialize remote controller.

16. 2nd F Button

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

17. Auto Clean

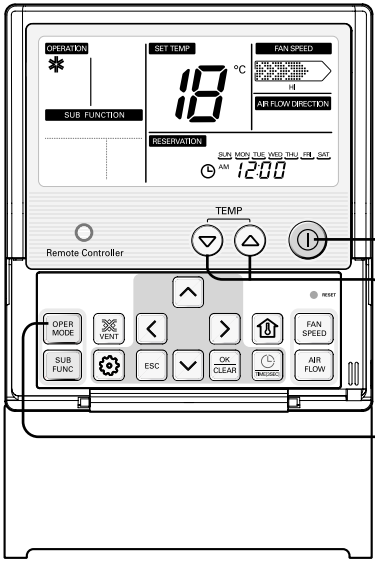
Used to set Auto Clean mode.


NOTE

To use the functions printed in blue at the bottom of the buttons press 2nd F button first and then the required function button. Pressing the 2nd F button activates the blue printed function of the respective button. To cancel the function press the 2nd F button again else it will automatically cancel if remains idle after 10 seconds.

Operating Instructions

Cooling Mode - Standard Operation





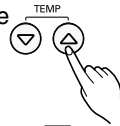
1 Press  button to turn on the indoor.




2 Press  button to select Cooling operation mode.



3 Adjust the desired temperature by pressing   buttons.



Press  button to check the Room temperature.

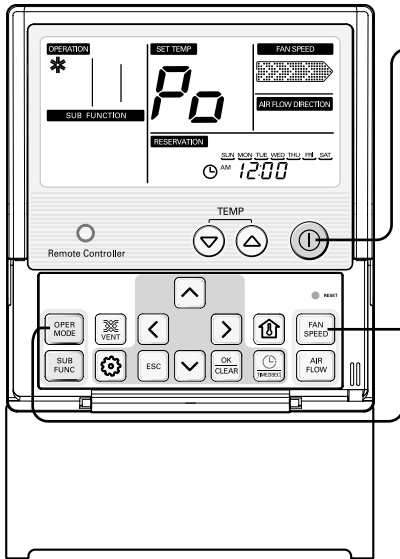








When setting the desired temperature higher than room temperature, only ventilation wind is blow out instead of cooling wind.

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

Cooling Mode - Power Cooling

It makes the room cool using pleasant and fresh air quickly

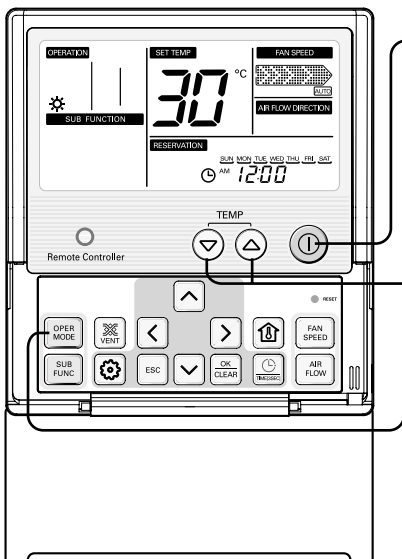








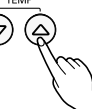
- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Cooling operation mode. 
- 3 Press  button continuously until "Po" displayed. 

What is power cooling?

- Desired temperature: 18°C
- Fan Speed: special high cool (Power air)
- ✱ It quickly lowers the room temperature by operating.

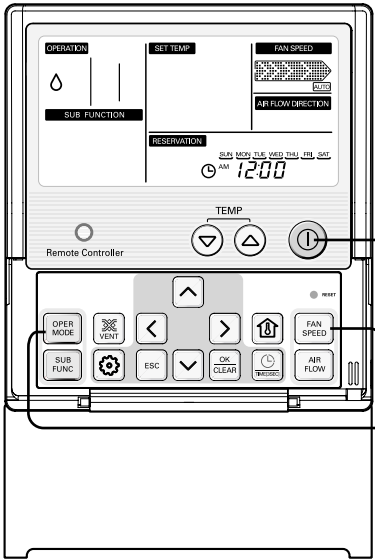
Heating Mode(Heat pump model only)



- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Heating mode. 
- 3 Adjust the desired temperature by pressing   buttons. 
When setting the desired temperature lower than room temperature, there is only ventilation wind.

❖ Setting Temp Range : 16°C~30°C (60°F~86°F)

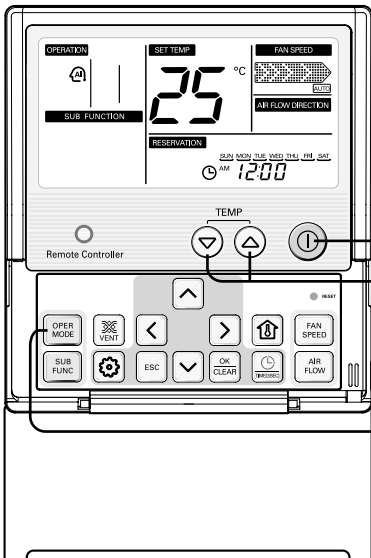
Dehumidification Mode



- 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 SLO → LO ' MED → HI → (NONE) → **AUTO**
 (The lists depends on products function)
 ❖ NONE : Power level of Fan Speed

In rainy season or high humidity climate, it is possible to operate simultaneously dehumidifier and cooling mode to remove humidity effectively.

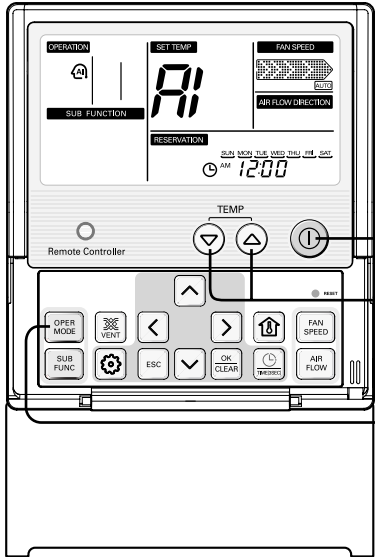
Auto Changeover Mode(Heat pump model only)





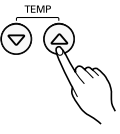


- 1 Press button to turn on the indoor.
- 2 Press button to select Auto Changeover Mode.
- 3 The setting temperature as the right side picture can be set in both cooling/ heating model.

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

Auto Operation Mode



- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Auto Operation Mode. 
- 3 In case of operating under only cooling mode, set '0' as standard level, we can adjust the temperature from step -2 to step 2. 

During operating Auto Operation mode:

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

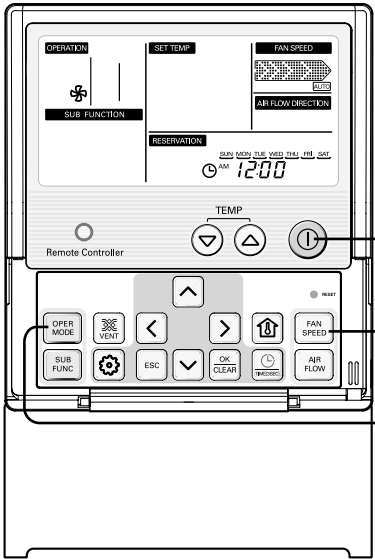
❖ Auto Changeover mode and Auto Operation mode may not operate depending on product type. For more detail please refer the product manual.




Please select the code depend on your feeling.

<Code Table>

Code	Feel
2	Cool
1	Slightly cool
0	Neutral
-1	Slightly warm
-2	Warm

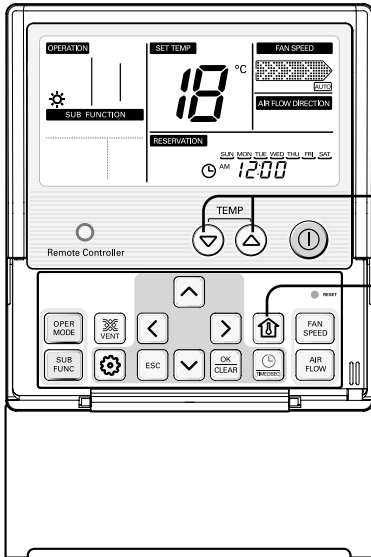
Fan Mode



- 1** Press  button to turn on the indoor.
- 2** Press  button.
- 3** Press the  button to select airflow rate SLO → LO ' MED → HI → (NONE) → **AUTO**
(The lists depends on products function)

- * When operating in wind mode, the outdoor compressor doesn't work.
- * FAN operation doesn't bring out cold air but air from regular fan comes out.

Temperature setting/ room temperature check



- 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.

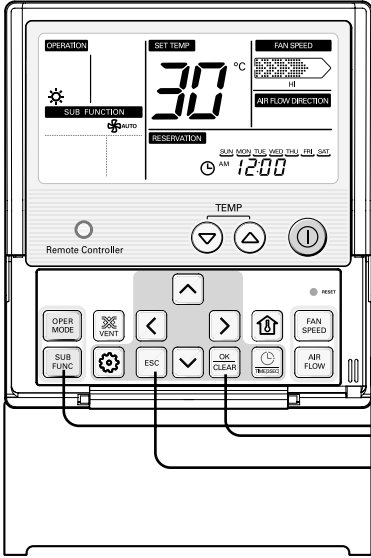
Heating operation: The heating mode doesn't work if desired temperature is lower than room temperature Please increase the desired temperature.






- 2** 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

Sub function : Fan Auto



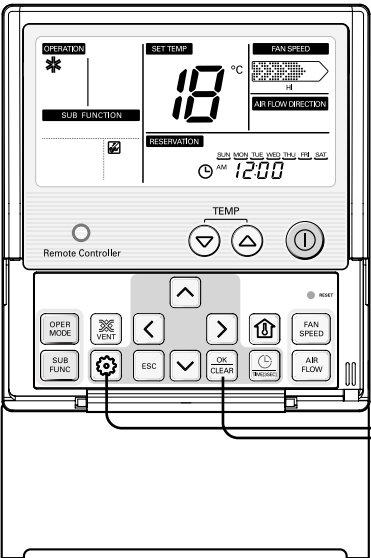
- 1 Repeat pressing  button until the  icon flash.
- 2 Operate or cancel Fan Auto function by pressing  button. ( icon appears/disappears on **SUB FUNCTION** display part up to selection.)
- 3 After setting, press  button to exit.





Details:

In case of such model that has no Fan Auto sub function, it doesn't appear when pressing  button.

Function setting : Filter Sign Clear

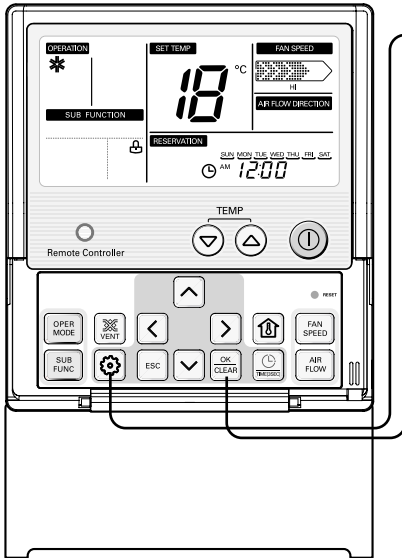
This function is to clear the indicator of indoor filter cleaning.






- 1 Press  button. Repeat pressing  button until the  icon flash.
- 2 When the flashing, press the  button 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.



Function setting : Child Lock



This function is to prevent children or other people from using indoor.

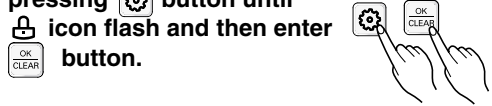
- Press  button.
- Repeat pressing  button until the  icon flash.



- When the button flashing, press  button to set this function.
- When setting this function,  icon will be displayed whenever entering any operation except for Room temperature access. However, it is possible to control normally by wireless remote controller.

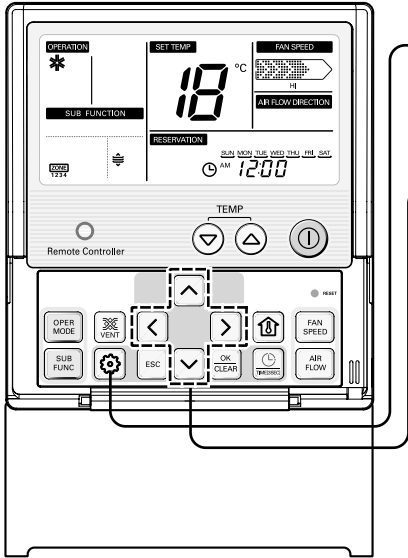



To release this setting, keep pressing  button until  icon flash and then enter  button.





Function setting : Zone Control(Optional)




To turn on/off the zones by used of it












- 1 Press  button.





- 2 Repeat pressing  button until **ZONE** icon flash.

Ex) Turn on the zone1and zone3.

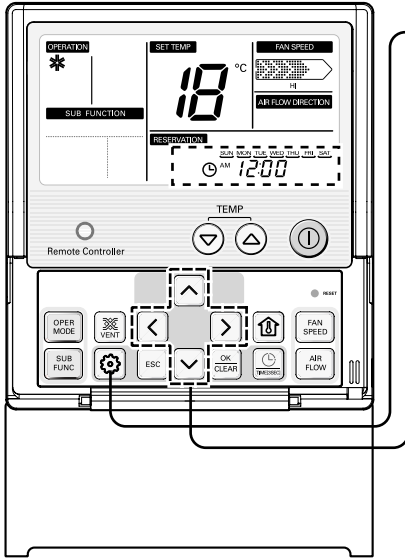

- 3 Press   button to select the zone that which one you want to turn on/off.



- 4 Press  button to turn on/off zone.


- 5 Press   button To select other zones If you want.
Then, Press  button to turn on/off that zone as mentioned above





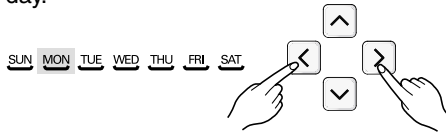
Changing Current Time




1 Keep pressing  button for 4 secs to enter Setting current time mode.


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

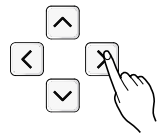
2 Press   key to adjust the current day.




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





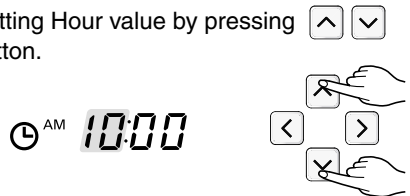
4 Setting AM/ PM value by pressing  button.

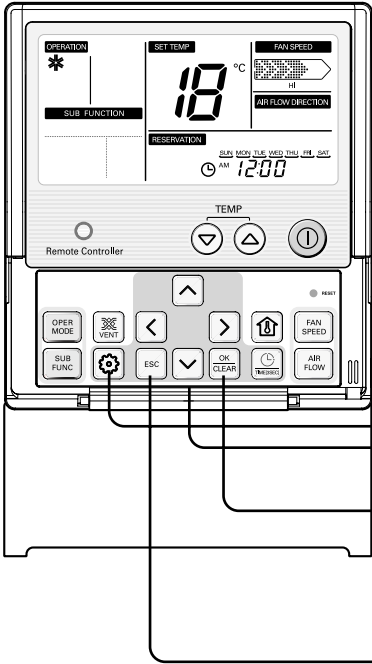


5 Press  button to move to 'Hour' setting mode. (the 'Hour' segment will flash)

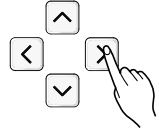
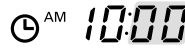


6 Setting Hour value by pressing   button.

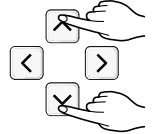




7 Press button to move to 'Minute' setting mode. (the 'Minute' segment will flash)



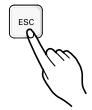
8 Setting Minute value by pressing button.



9 Press button to finish.

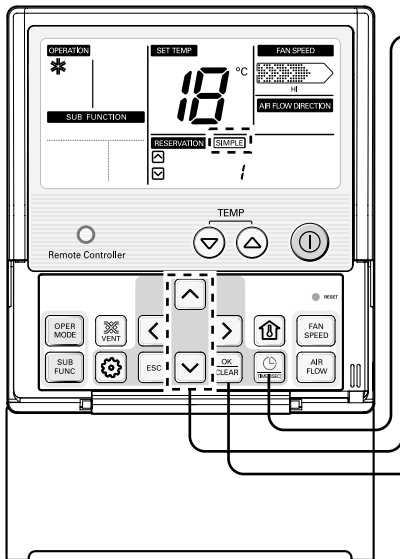


10 In the process, press button to release and exit from setting mode. (In case of exit with incomplete information, it will return to the previous setting)



Programming : Setting Simple Reservation

In case of there is not any reservation setup on system, it is possible to make a SIMPLE reservation on indoor unit.



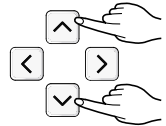
- 1** Press button to enter the Programming mode.
(the **SIMPLE** segment flashing)



Ex) Setting Simple Reservation time as '3'.

- 2** Press button to adjust reservation time.

1 → 3



- 3** Press button to finish setting.

3

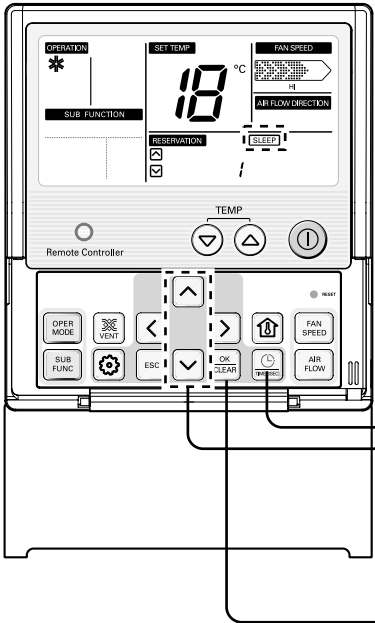



- 4** Adjusting the reservation time after finish reservation setting will release the previous one.





* If the indoor is ON, we can make the reservation for turning OFF. In reserve, if the indoor is OFF, we can set the timer for turning ON. The reservation time is from 1 to 7 hours.

Programming : Setting Sleep Reservation







This function is able to turn off Air conditioner when sleeping or after some hours.



- 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.

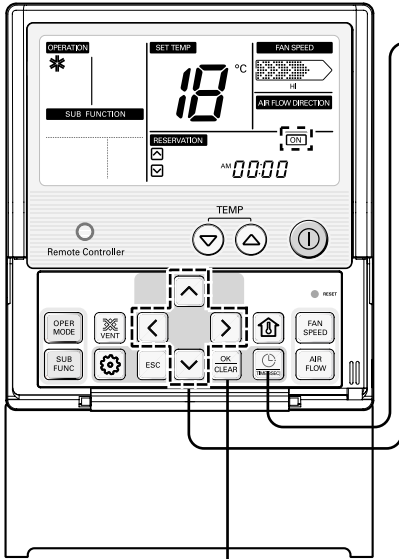
  
- 4** Press  button to finish setting. Whenever reservation is done,  icon will flash. When this setting is released,  icon will disappear.
- 5** Adjust the reservation time after finish reservation setting will release the previous one.

CAUTION

Please set a suitable time for sleep reservation.
(turning cooling for long time may be harmful to health)

Programming : Setting ON Reservation

This function is able to turn air conditioner ON after a setting time.



1 Press button.

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

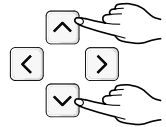


2 Repeat pressing button to enter the ON reservation setting mode.
(segment flashing)



3 Press button to adjust AM/ PM setting.

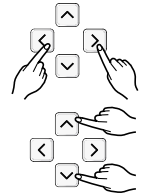
AM 12:00



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

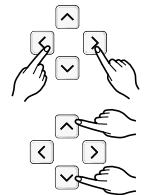
AM 10:00



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



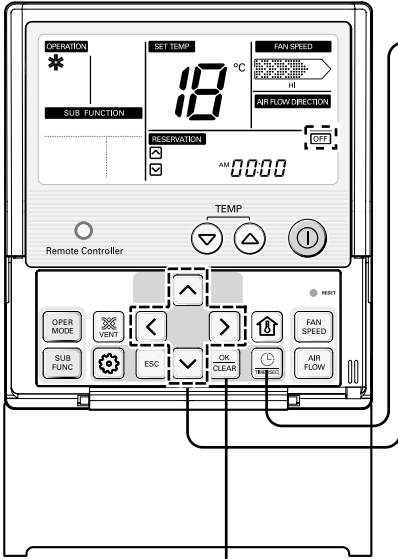
6 Press button to finish setting.

AM 10:20



Programming : Setting OFF Reservation

This function is able to turn air conditioner OFF after a setting time.



1 Press button.

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

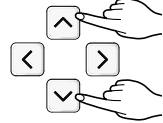


2 Repeat pressing button to enter the OFF reservation setting mode.
(segment flashing)



3 Press button to adjust AM/ PM setting.

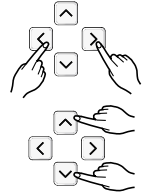
AM 12:00



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

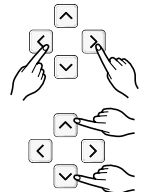
AM 10:00



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






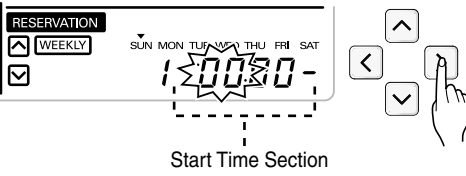
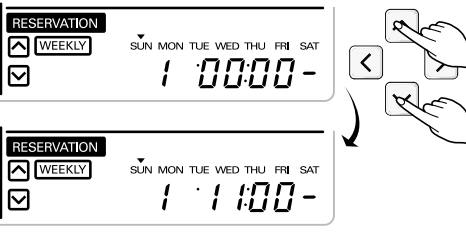
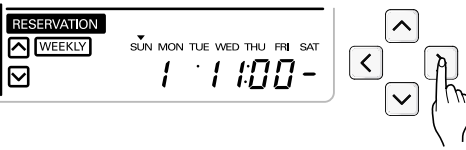
6 Press button to finish setting.

AM 10:20

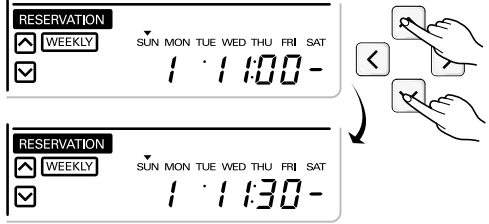


Programming : Weekly Reservation

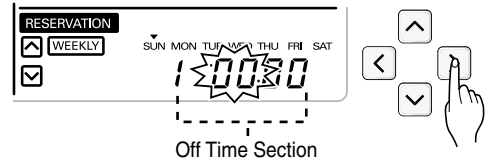
The weekly reservation is active after setting current time

<p>1 Press programming button to enter the Programming mode. Repeat pressing button to select [Weekly reservation]. (The segment will be flashed)</p> <p>Ex) Setting one action as below.</p> <ul style="list-style-type: none"> - Day : TUE - ON Time : 11:30 AM - OFF Time : 12:30 PM 	
<p>2 Press left, right button to adjust the current day.</p>	
<p>3 Press up, down button to adjust the action number.</p>	
<p>4 Press right button to move to 'Hour' Part on ON Time section. (The 'Hour' segment will be flashed)</p>	 <p style="text-align: center;">Start Time Section</p>
<p>5 Press up, down button to adjust the Hour on Start Time section.</p>	
<p>6 Press right button to move to 'Minute' Part on Start time section. (The 'Minute' segment will be flashed)</p>	

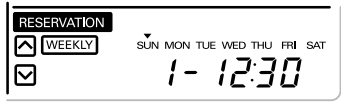
7 Press up, down button to adjust the Minute on Start Time section.



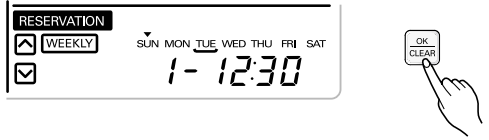
8 Press right button to move to 'Hour' Part on OFF Time section. (The 'Hour' segment will be flashed)



9 Please refer the process from No.5 to No.7 for setting OFF Time. It is same method.



10 If you finish the setting, press setting/cancel button to complete programming. The under bar segment will be created, when it finished.



11 Please refer the process from No.2 to No.10 for setting other day weekly program. It is same method.



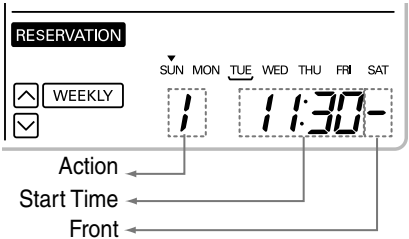
12 Press exit button to exit or system will automatically release without any input after 25 seconds.



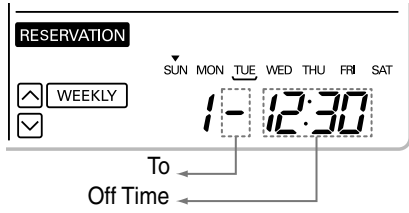
<Note>

Description of weekly reservation

<Start Time Section>



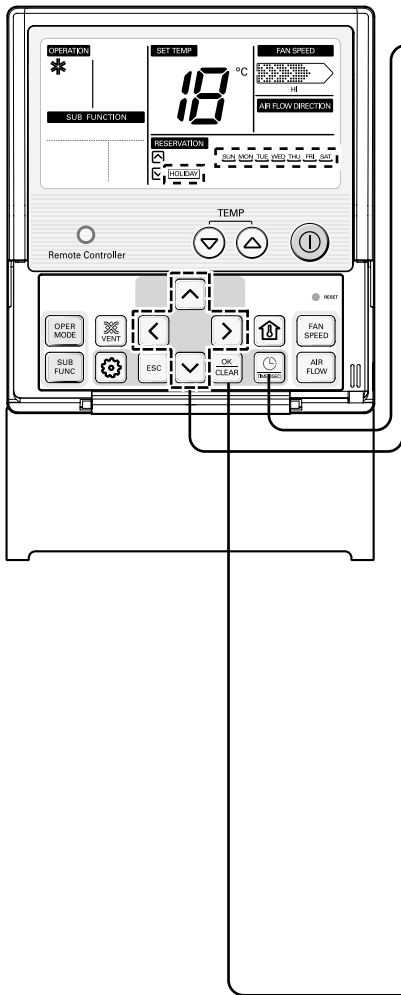
<Off Time Section>



* Two actions per weekday can be programmed, in total 14 actions

Programming : Holiday Reservation

This function is to automatically stop the machine working on some days.



1 Press button to enter the reservation setting mode.

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

3 Press button to move to holiday position.

4 Press button to set or release a selected day as holiday or not.
(* the holiday is indicated with a underline)

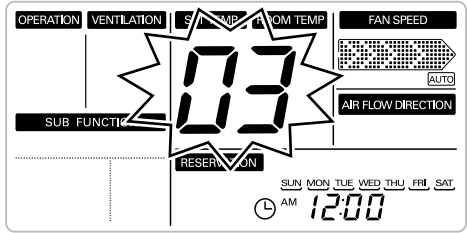
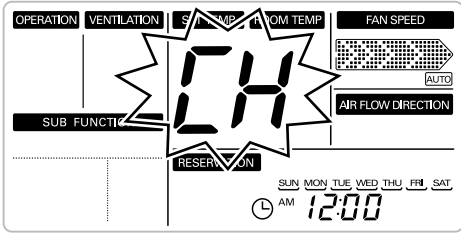
5 If there is any holiday from Monday to Sunday, segment on LCD will be displayed.

6 Press the button to exit or if there is not any input, system will release any setting after 10 seconds.

7 It is possible to set the air conditioner OFF in every "holiday"
(ex. 9:00, 10:00, 13:00)

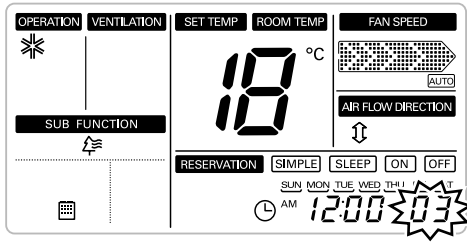
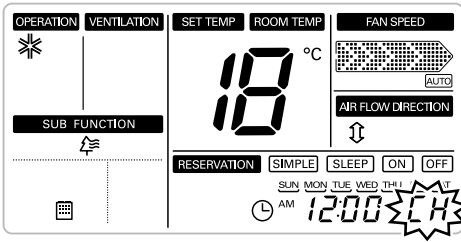
Error code display function

When the error occurred in the indoor unit, then the error code will be displayed on remote controller - "CH" and error code number is displayed at regular intervals.



Ex) In case of "CH03"

When the remote controller is used in Group Control, the error code will be displayed as shown below



- "CH" and error code number is displayed at regular intervals beside the Clock (as shown in figure).

Maintenance and Service

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

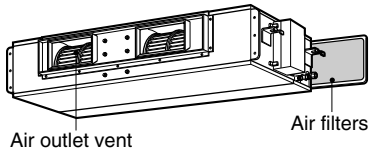
Indoor Unit

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.

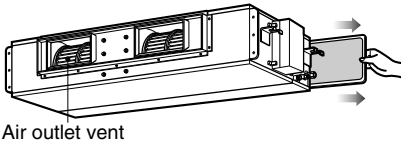
Note:

Supply power must be disconnected before cleaning the indoor unit.



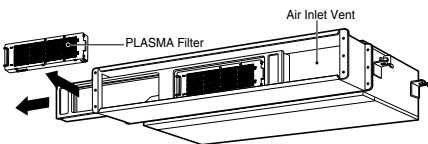
Air Filter

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



PLASMA Filter (Optional)

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



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

- 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.

- 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.

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.

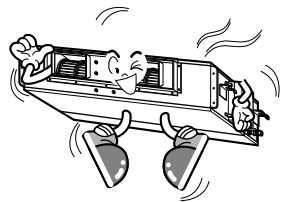
Do not let direct sunshine enter the room when the air conditioner is in operation.

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"> • Have you made a mistake in timer operation? • On first starting, the indoor unit operates in fifteen seconds. • Has the fuse blown or has the circuit breaker been tripped?
The room has a peculiar odor.	<ul style="list-style-type: none"> • Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.
It seems that condensate is leaking from the air Conditioner.	<ul style="list-style-type: none"> • Condensation occurs when the airflow from the air conditioner cools the warm room air.
Air conditioner does not operate for about 3 minutes when restart.	<ul style="list-style-type: none"> • This is the protector of the mechanism. • Wait about three minutes and operation will begin.
Does not cool or heat effectively.	<ul style="list-style-type: none"> • Is the air filter dirty? See air filter cleaning instructions. • 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 setting temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed?
The air conditioner operation is noisy.	<ul style="list-style-type: none"> • For a noise that sounds like water flowing. <ul style="list-style-type: none"> -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. <ul style="list-style-type: none"> -This is the sound of the dehumidifying water being processed inside the air conditioning unit.
Crack sound is heard.	<ul style="list-style-type: none"> • This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes of temperature.
Remote control display is faint, or no display at all.	<ul style="list-style-type: none"> • Has the circuit breaker been tripped?

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 MEXICO, S.A. DE C.V.
Sor Juana Ines de la Cruz No. 555,
San Lorenzo Tlalnepantla
Estado de Mexico
C.P. 54033
TEL. (55) 5321-1994
01800-3471919