



website <http://www.lgservice.com>

LG

LG Ceiling Cassette Air Conditioner ***OWNER'S MANUAL***

Dear Owner
Thank you for installing LG Air Conditioner.
Your best choice guarantees you a great
performance and service to make your life
comfortable & pleasant.

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.

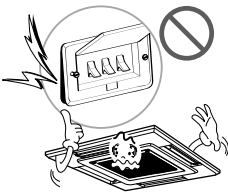
	Be sure not to do.
	Be sure to follow the instruction.

⚠ WARNING

■ Installation

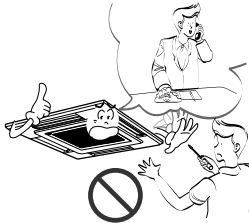
Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is risk of fire or electric shock.



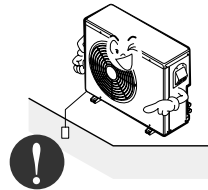
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- Do not disassemble or repair the product. There is risk of fire or electric shock.



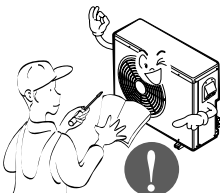
Always ground the product.

- 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.



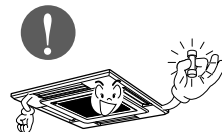
Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock



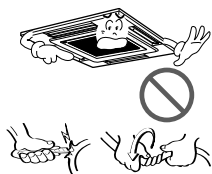
Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.



Do not modify or extend the power cable.

- 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.



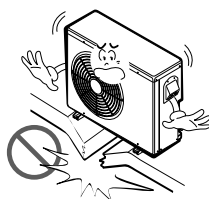
For installation, always contact the dealer or an Authorized Service Center.

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



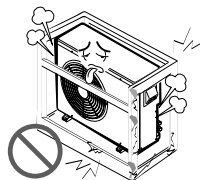
Do not install the product on a defective installation stand.

- 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.



■ Operation

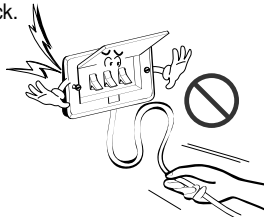
Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

- Moisture may condense and wet or damage furniture.



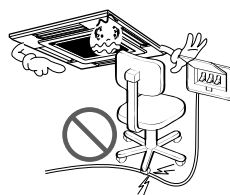
Take care to ensure that power cable could not be pulled out or damaged during operation.

- There is risk of fire or electric shock.



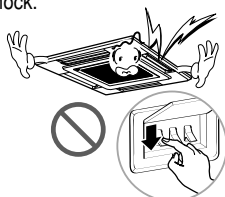
Do not place anything on the power cable.

- 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.



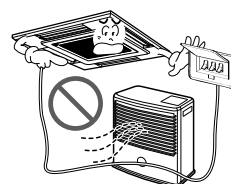
Do not touch(operate) the product with wet hands.

- There is risk of fire or electrical shock.



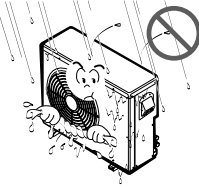
Do not place a heater or other appliances near the power cable.

- There is risk of fire and electric shock.



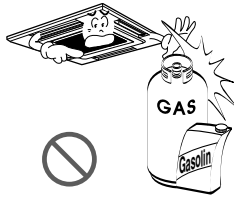
Do not allow water to run into electric parts.

- It may cause There is risk of fire, failure of the product, or electric shock.



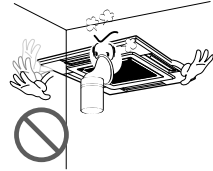
Do not store or use flammable gas or combustibles near the product.

- There is risk of fire or failure of product.



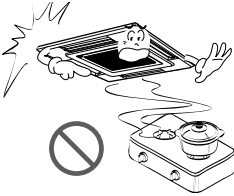
Do not use the product in a tightly closed space for a long time.

- 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



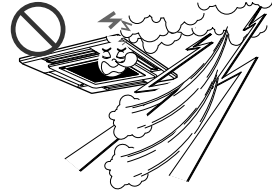
If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

- 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.



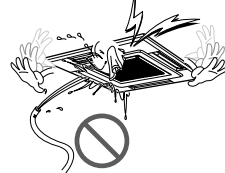
When the product is soaked (flooded or submerged), contact an Authorized Service Center.

- There is risk of fire or electric shock.



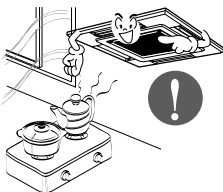
Be cautious that water could not enter the product.

- 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.



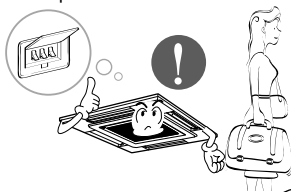
Turn the main power off when cleaning or maintaining the product.

- 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.

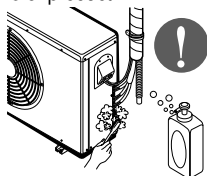


CAUTION

Installation

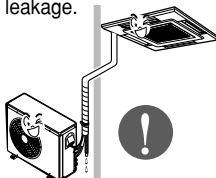
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



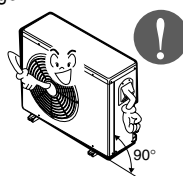
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



Keep level even when installing the product.

- To avoid vibration or water leakage.



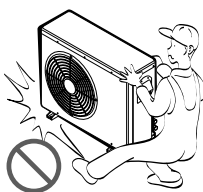
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

- It may cause a problem for your neighbors.



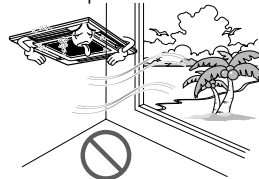
Use two or more people to lift and transport the product.

- 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

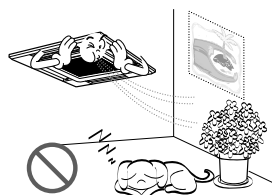
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm to your health.



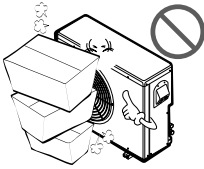
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- There is risk of damage or loss of property.



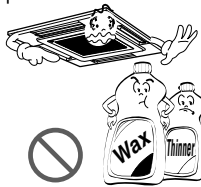
Do not block the inlet or outlet of air flow.

- It may cause product failure.



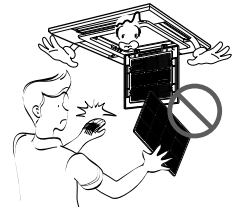
Use a soft cloth to clean. Do not use harsh detergents, solvents, etc.

- 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.



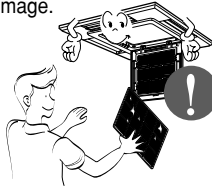
Do not step on or put anything on the product. (outdoor units)

- There is risk of personal injury and failure of product.



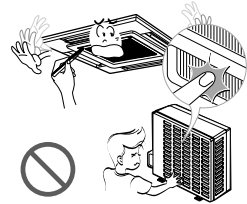
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

- A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.



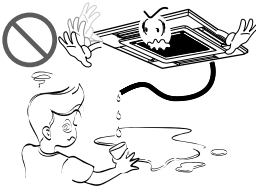
Do not insert hands or other objects through the air inlet or outlet while the product is operated.

- 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.



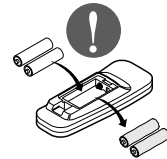
Use a firm stool or ladder when cleaning or maintaining the product.

- Be careful and avoid personal injury.



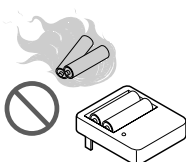
Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

- 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.



Prior to Operation

Preparing for operation

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

Usage

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

Cleaning and maintenance

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

Service

For repair and maintenance, contact your authorized service dealer.

Introduction

Symbols used in this Manual



This symbol alerts you to the risk of electric shock.



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

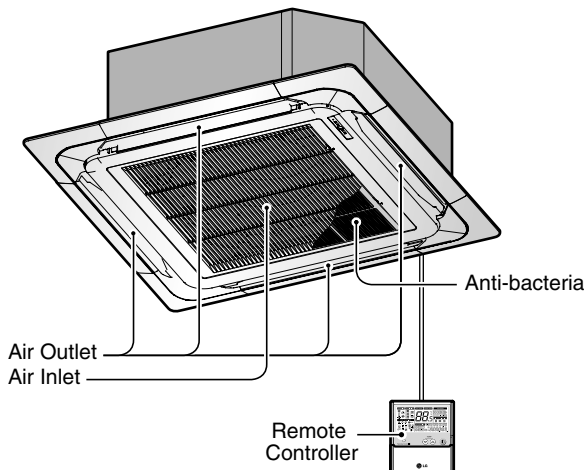
NOTICE

This symbol indicates special notes.

Features



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

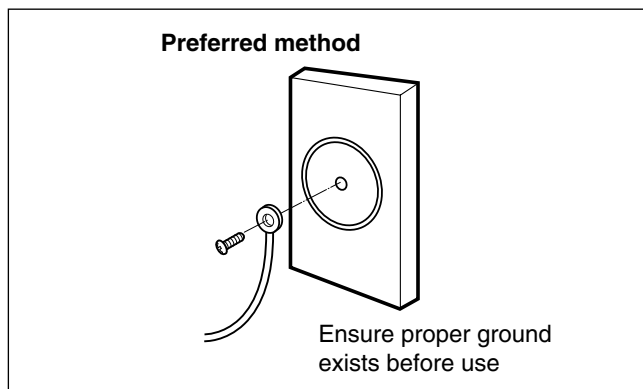


Electrical Safety



WARNING: This appliance must be properly grounded.

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



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



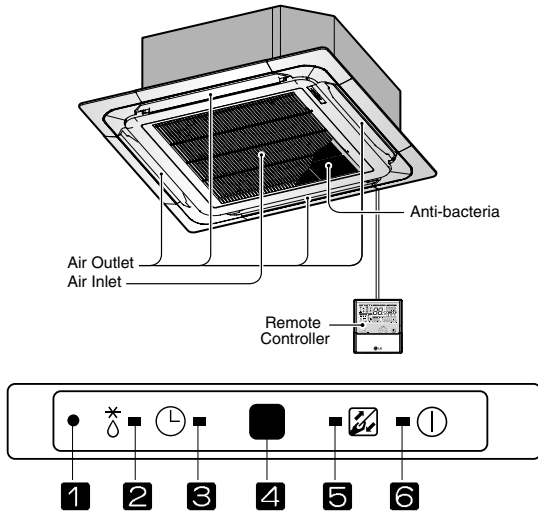
WARNING: Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.



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

Operating Instructions

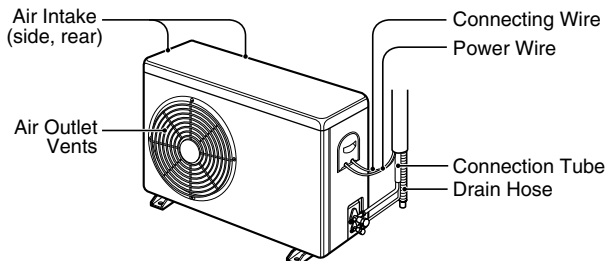
Indoor Unit, Outdoor Unit



Operation Indication Lamps

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

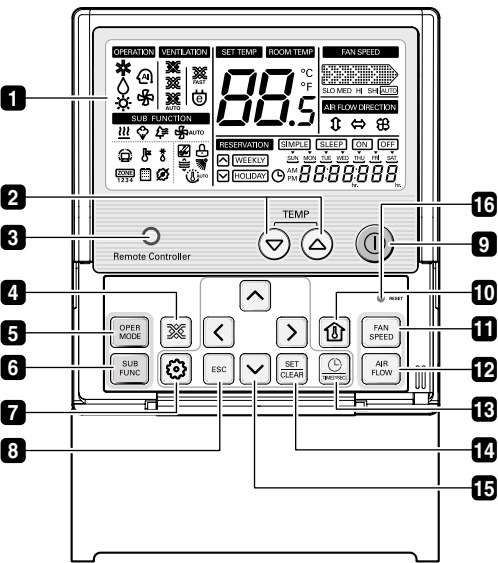
Outdoor Unit



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

Name and Function of Remote Controller

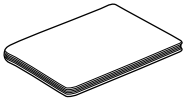
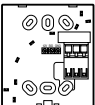
PQRCUSA0



- 1** Operation indication screen
- 2** Set temperature button
- 3** Wireless remote controller Receiver
 - Some kind of product could not receive wireless signal.
- 4** Ventilation button
- 5** Operation mode selection button
- 6** Sub-function 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
- 16** Reset Button

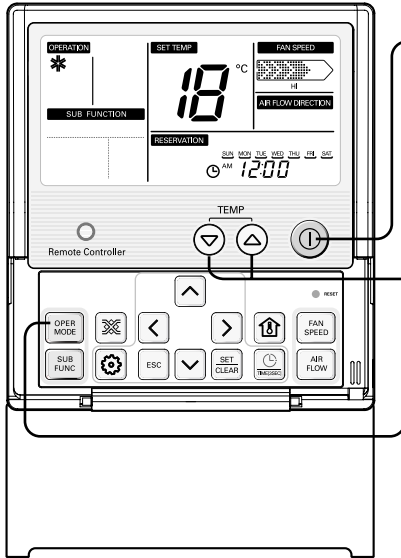
* Some functions may not be operated and displayed depending on the product type.
* For detail usage except 'PQRCUSA0' model, refer to each manual.

Accessory

			
Connection Cable (1EA, 10m)	Remote controller screw (4 EA)	Owner's / Installation manual	Wired remote controller installation board

Cooling mode (Standard operation)

It makes the room cool using pleasant and fresh air



1. Press button to turn on aircondition

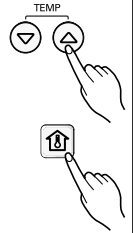


2. Press button to select Cooling operation mode.



3. Adjust the desired temperature by pressing buttons

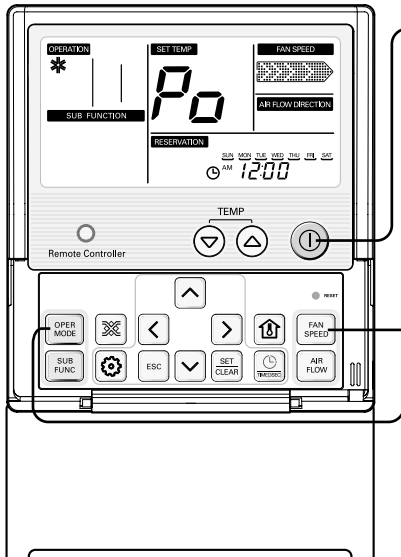
Press button to check the Room temperature
When setting the desired temperature higher than room temperature, only ventilation wind is blow out instead of cooling wind.



❖ 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 aircondition



2. Press button to select Cooling operation mode



3. Press button continuously until "Po" displayed

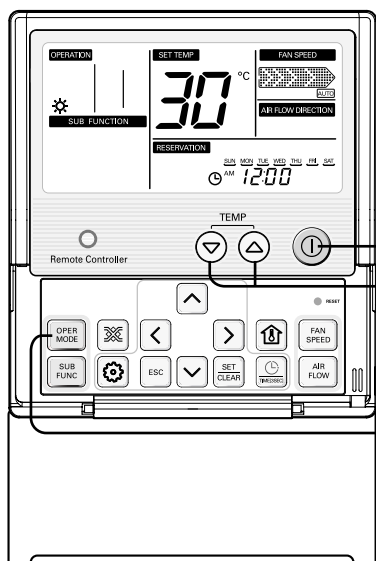


What is power cooling?

- 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)



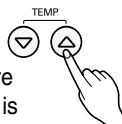
1. Press button



2. Press button to select Heating operation mode.

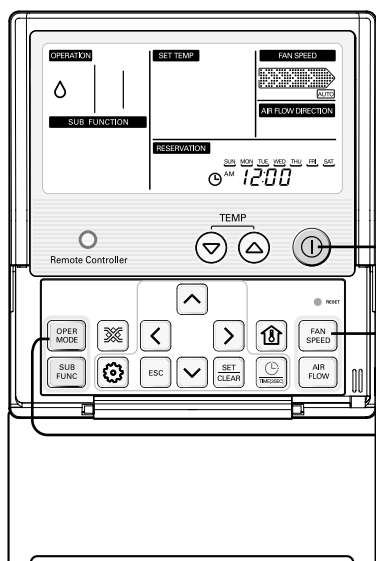


3. Adjust the desired temperature by pressing buttons. When setting the desired temperature lower than room temperature, there is only ventilation wind.



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

Dehumidification



1. Press button, then



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)

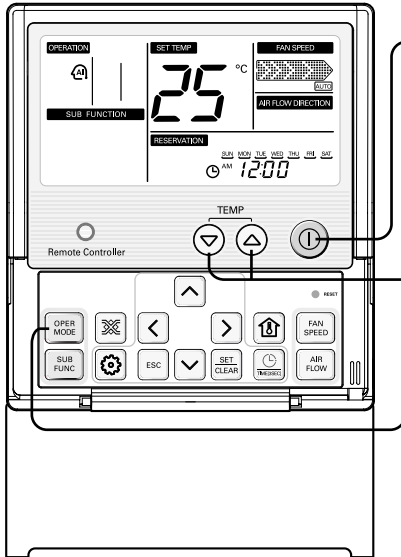


❖ NONE : Power level of Fan Speed

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

The airflow rate selection can be different or inactive according to product.

Auto Change Over mode (Heat pump model only)



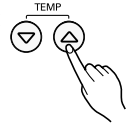
1. Press button



2. Press button to select Auto Change Over mode.

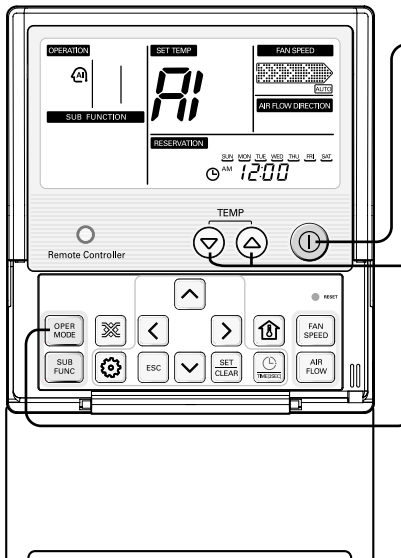


3. The setting temperature as the right side picture can be set in both cooling/ heating model



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

Auto Operation mode



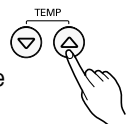
1. Press button



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



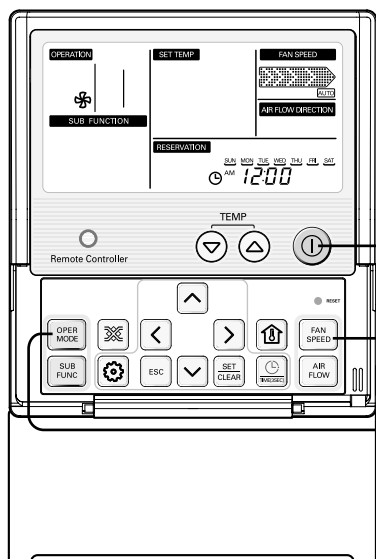
During operating Auto Operation mode:

- FAN SPEED button can be used.
- Manually other operation mode can be changed.

Please select the code depend on your feeling.

Currently feeling	When feeling cold	When feeling slightly cold	When feeling moderate	When feeling slightly hot	When feeling hot
code	2	1	00	-1	-2

Fan mode



1. Press button



2. Press button.

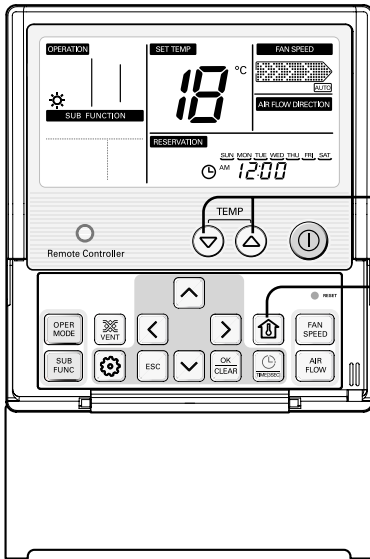


3. Press the button to select airflow rate SLO → LO → MED → HI → (NONE) → **AUTO**
(The lists depends on products function)



- When operate wind mode, the outdoor compressor doesn't work
- FAN operation doesn't bring out cold air but air from regular fan comes out.
- Have a function to circulate the indoor as it sends out the air that doesn't have much temperature difference with indoor.

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.

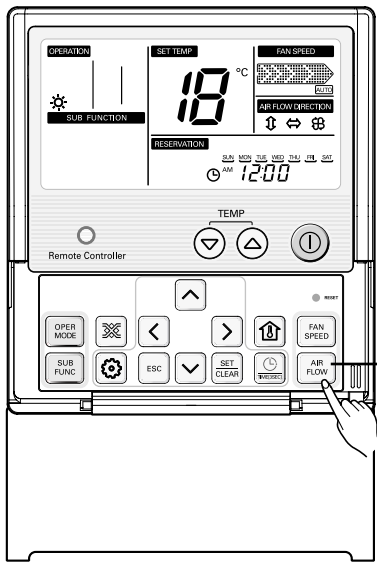
2 Whenever press button, the room temperature will be displayed within 5 seconds.

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

Airflow setting

We can simply adjust the desired airflow rate



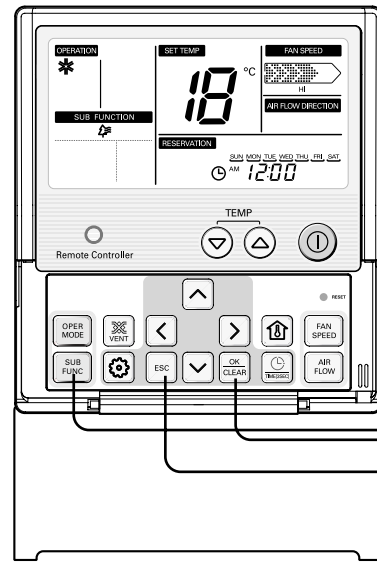
1. Press  buttons to set the desired airflow direction.

-  →  →  →  → 
- Display of these lists depends on products function,

Symbol	Description
	Swirl : vane paired opend cross
	Up-Down : Vane move from up to down automatically and continuously
	Left-Right : Vane move from left to right automatically and continuously

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

Sub function : Plasma Purification



1 Repeat pressing  button until  icon flash.

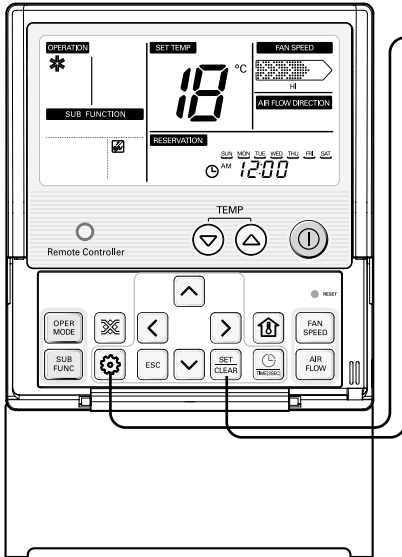
2 Operate or cancel Plasma Purification function by pressing  button.
( icon appears/disappears on **SUB FUNCTION** display part up to selection)

3 After setting, press  button to exit.

Details:

When turn the machine off, Plasma function is off (And also off when restart indoor)
In case of such model that has no Plasma 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.



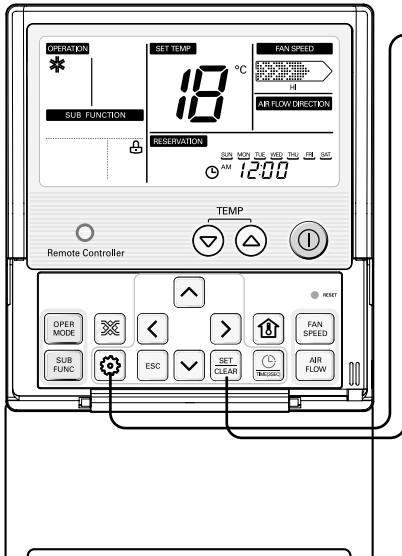
- Press  button
- Repeat pressing  button until the  icon flash.
- When the  flashing, press the button to clear this display.

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



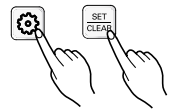
This function is to prevent children or other people from using indoor.



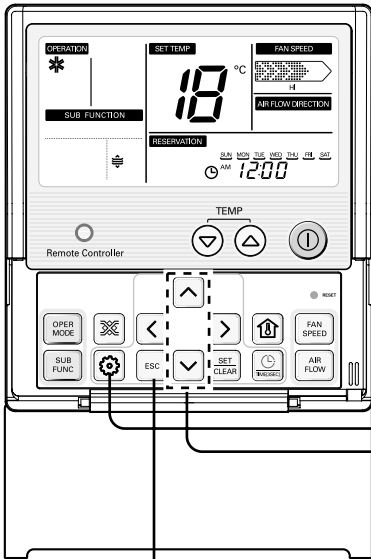
- Press  button
- Repeat pressing  button until the  icon flash.
- When the  button flashing, press the button to set this function.
- When setting this function, the  icon will be displayed whenever entering any operation except for Room temperature access. However, it is possible to control normally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



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



Function setting : Elevation grill



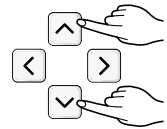
This function is to move the indoor filter up/ down for cleaning filter.

The setting is able to apply only to product that has this function



- Press button
- Repeat pressing button until the icon flash
- Press button to control the grill Up/ Down or stop it
- button: move grill up from stopping or stop grill from moving
- button: move grill down from stopping or stop grill from moving.

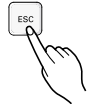
Indication with LCD: Up-UP, Down-DN, Stop-SP



3. After setting, press button to exit or system will automatically release without input after 60 seconds.

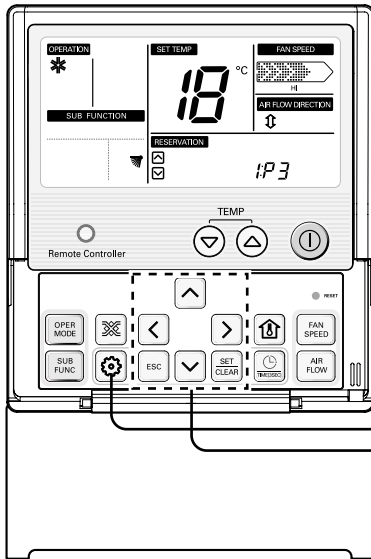
Details:

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

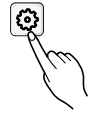


Function setting : Vane Angle Control

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



1. Press button

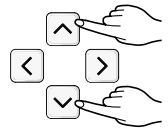


2. Repeat pressing button until icon flash.



Ex) Setting second Vane Angle as 'P3'

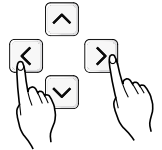
3. Press button to select active vane: 1/2/3/4/All
1-4: control individually each vane
All: control all vane with the same duration



1:P 1

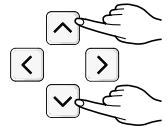
4. Press button to select Vane number/ Vane angle.

Vane angle : 6 Step(P1~P6) & Sd
Sd : Standard angle



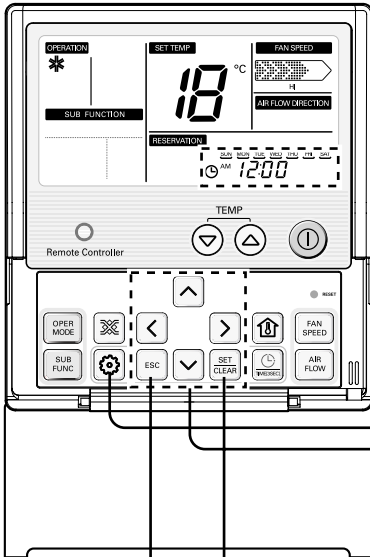
2:P 1

5. Press button to adjust the angle value



2:P 3

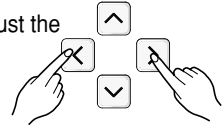
Setting Current Time



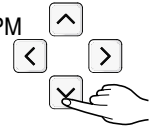
1. Keep pressing button for 4 secs to enter Setting current time mode (the '▼' Segment flashing)



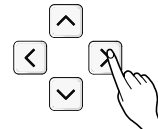
2. Press key to adjust the current month/day



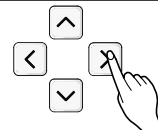
3. Press key to move to AM/ PM setting mode (the 'AM/ PM' segment will flash).



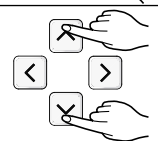
4. Setting AM/ PM value by pressing button.



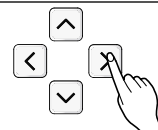
5. Press button to move to 'Hour' setting mode (the 'Hour' segment will flash)



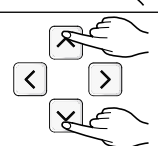
6. Setting Hour value by pressing button.



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

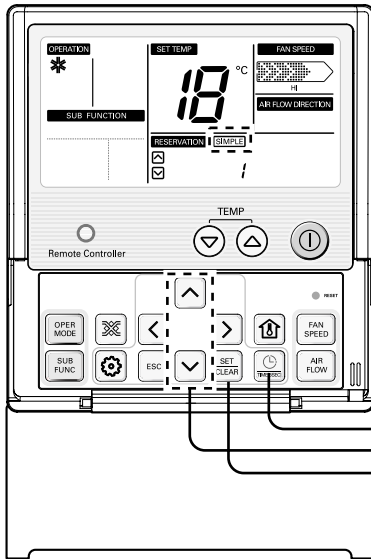


10. In the process, press key to release and exit from setting mode (In case of exit with incomplete information, it will return to the previous setting)



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.

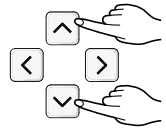


1. Press button to enter the Programming mode (the **SLEEP** segment flashing)



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.

2. Press button to adjust reservation time.



3. Press button to finish setting.



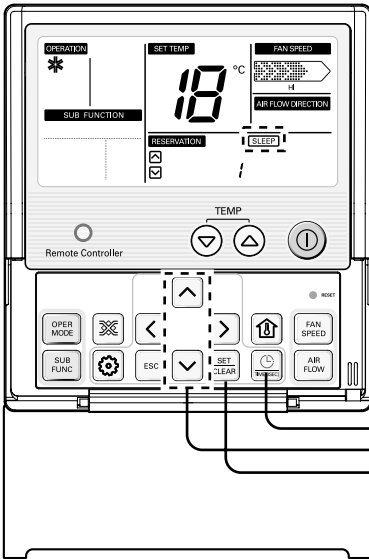
4. In case of using wireless remote controller, the time reservation setting unit is every 10 minutes. With wired remote controller, this value is adjusted by every hour. But, in fact, it can control with accuracy up to 10 minutes.

Ex.) By wireless remote controller we can set the timer for turning OFF after 1 hour 10 minutes. It displays 2 hour on wired remote controller but in fact, it will operate this command after 1 hour 10 minutes.

5. Adjust the reservation time after finish reservation setting will release the previous one.

Programming : Setting Sleep Reservation

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

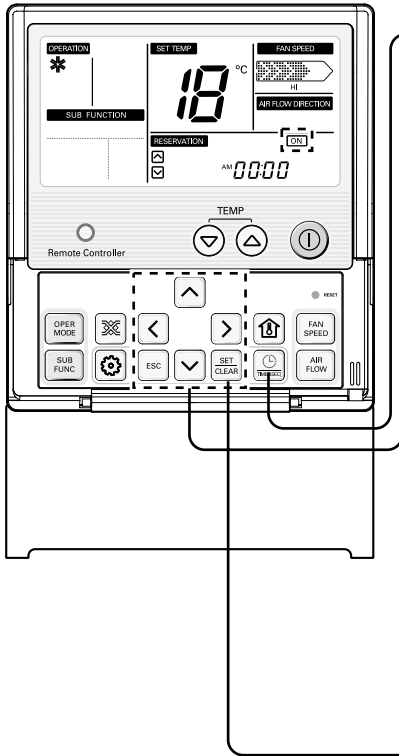


1. Press button to enter the Programming mode
2. Repeat pressing button to enter the SLEEP reservation setting mode (the **SLEEP** segment flashing)
3. Press button to adjust reservation time
The SLEEP reservation time is from 1 to 7 hours
4. Press button to finish setting.
Whenever reservation is done,
the **SLEEP** icon will flash
When this setting is released,
the **SLEEP** icon will disappear.
5. Adjust the reservation time after finish reservation setting will release the previous one.

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.



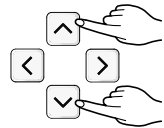
1. Press button



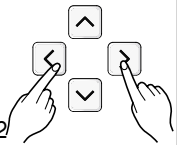
2. Repeat pressing button to enter the ON reservation setting mode (the **ON** segment flashing)



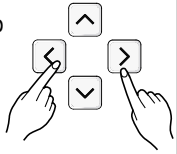
3. Press button to adjust AM/ PM setting



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



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

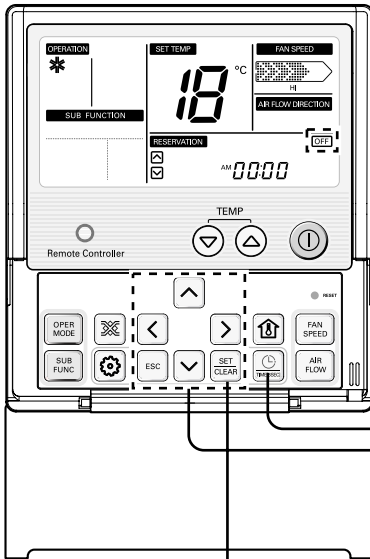


6. Press button to finish setting.



Programming : Setting OFF Reservation

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



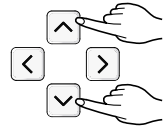
1. Press button



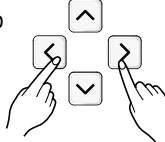
2. Repeat pressing button to enter the OFF reservation setting mode (the **OFF** segment flashing)



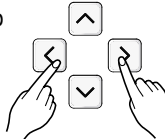
3. Press button to adjust AM/ PM setting



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



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

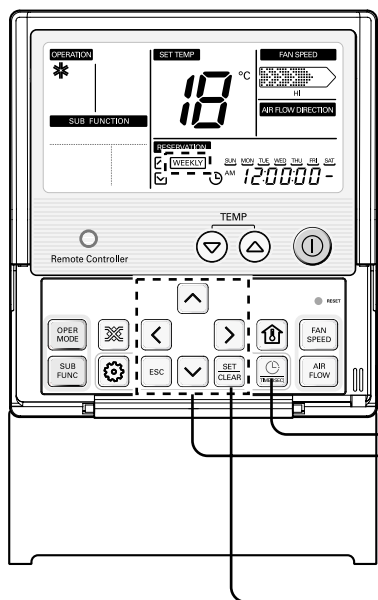


6. Press button to finish setting.



Programming : Weekly Reservation

The weekly reservation is active after setting current time



1. Press the  button to enter the reservation setting mode.



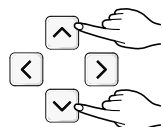
2. Repeat pressing  button to enter the weekly reservation setting mode (the **WEEKLY** segment flashing)



3. Set the ON/ OFF reservation for day in week

- Press   to adjust timing and Left/ Right to shift to next setting mode

- A day is considered as non-reservation if there is not any time reservation within.

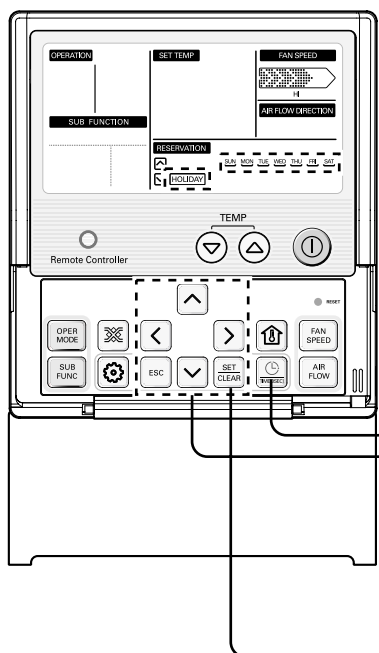


4. Press  button to finish setting.

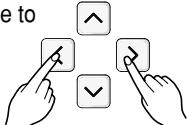
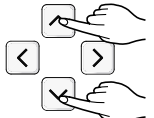
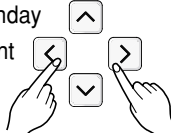


Programming : Holiday Reservation

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

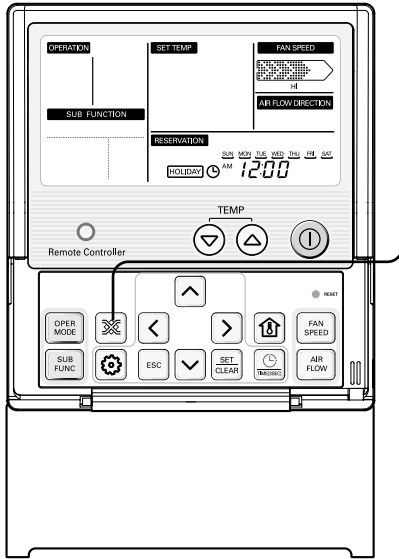


The diagram shows a remote controller with the following sections: OPERATION, SET TEMP, FAN SPEED, SUB FUNCTION, and RESERVATION. The RESERVATION section displays a weekly calendar with 'HOLIDAY' highlighted. Below the screen are buttons for OPER MODE, SUB FUNC, ESC, SET CLEAR, and FAN SPEED. The main unit has a TEMP section with up/down arrows and a power button.

1. Press  button to enter the reservation setting mode 
2. Repeat pressing  button to enter the holiday reservation setting mode (the **HOLIDAY** 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, the **HOLIDAY** 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)

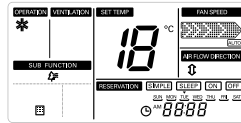
Ventilation setting

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

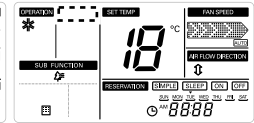


1. Press Ventilation button to turn ON/ OFF the ventilator.

2. In case of operating the ventilator, the 'Ventilation' icon will be displayed.



Operating ventilation

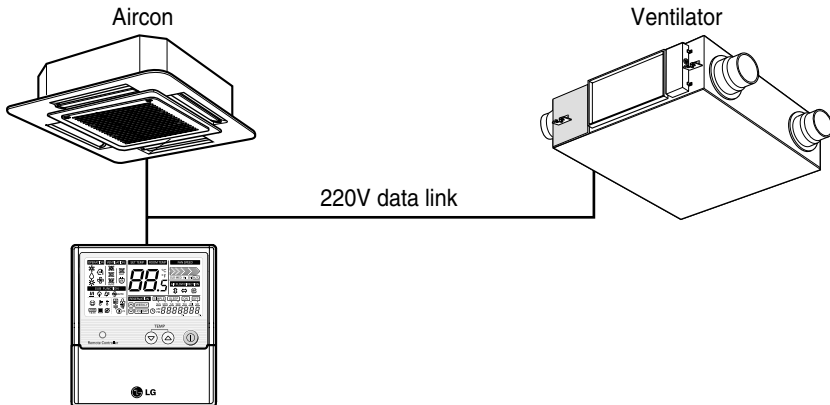


Stop ventilation

3. When turn off ventilator, the 'Ventilation' icon disappears.

4. Please refer the Ventilation instruction in function setting menu in order to connect a ventilator to air conditioner.

In case of not-connected ventilator, this ventilation function can not be operated.



Maintenance and Service

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

Indoor Unit

Grille, Case and Remote Control

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

NOTICE

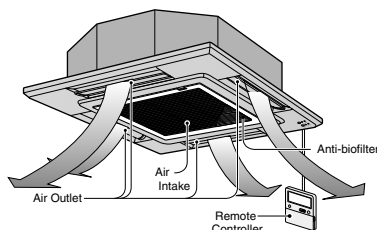
Supply power must be disconnected before cleaning the indoor unit.

Air Filters

The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if necessary.



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



1 Remove the Air filters.

- Take hold of the tab and pull slightly forward to remove the filter.



CAUTION: When the air filter is to be removed, do not touch the metal parts of the indoor unit.

It may cause an injury.

2 Clean dirt from the air filter using a vacuum cleaner or washing with water.

- If dirt is conspicuous, wash with a neutral detergent in lukewarm water.
- If hot water (50°C or more) is used, it may be deformed.

3 After washing with water, dry well in the shade.

- Do not expose the air filter to direct sunlight or heat from a fire when drying it.

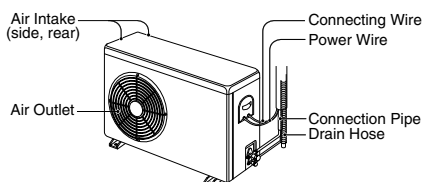
4 Install the air filter.

Outdoor Unit

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

NOTICE

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



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

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

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

- Type of operation: Fan operation mode. (Refer to page 16.)
- This will dry out the internal mechanisms.

2. Turn off the breaker.



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

Helpful information

The air filters and your electric bill.

If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

When the air conditioner is to be used again.

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

(Refer to page 30 for cleaning it.)

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

3. Check that the ground wire is connected correctly. It may be connect to the indoor unit side.

Operation Tips

Do not overcool the room.

This is not good for your health and wastes electricity.

Keep blinds or curtains closed.

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

Keep the room temperature uniform.

Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.

Make sure that the doors and windows are shut tight.

Avoid opening doors and windows as much as possible to keep the cool air in the room.

Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.

Ventilate the room occasionally.

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

Troubleshooting Tips! Save time and money!

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

Case	Explanation	See page
The air conditioner does not operate.	• Have you made a mistake in timer operation? • Has the fuse blown or has the circuit breaker been tripped?	23~28 -
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
Air conditioner does not operate for about 3 minutes when restarted.	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	• 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 temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed?	30 17 -
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit.	-
Remote control display is faint, or no display at all.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?	-
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-
Filter sign lamp (LED) is ON.	• Cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 sec.	-

