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PORTUGUÊS
DUTCH

OWNER'S MANUAL

AIR CONDITIONER

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

TYPE : 4-WAY CEILING CASSETTE

P/NO : MFL42619108

www.lg.com

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FOR YOUR RECORDS

Write the model and serial numbers here:

Model #

Serial #

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

Dealer's Name

Date Purchased

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

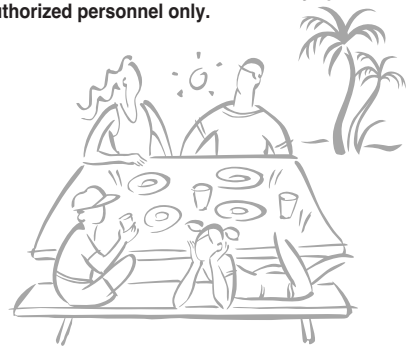
READ THIS MANUAL

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

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of **Troubleshooting Tips** first, you may not need to call for service at all.

PRECAUTION

- **Contact the authorized service technician for repair or maintenance of this unit.**
- **Contact the installer for installation of this unit.**
- **The air conditioner is not intended for use by young children or invalids without supervision.**
- **Young children should be supervised to ensure that they do not play with the air conditioner.**
- **When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.**
- **Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.**



Safety Precautions

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

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

ENGLISH

⚠ WARNING	This symbol indicates the possibility of death or serious injury.
⚠ CAUTION	This symbol indicates the possibility of injury or damage.

⚠ WARNING

Always ground the product.

• There is a risk of electric shock.

Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse.

• There is risk of fire or electric shock .

Do not use a multi consent. Always use this appliance on a dedicated cicuit and breaker.

• Otherwise it can cause electric shock or fire.

For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself.

• There is risk of fire or electric shock.

Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightening rod or telephone ground wire.

• 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 due to dust , water etc.

Use the correctly rated breaker or fuse.

• There is risk of fire or electric shock.

Do not modify or extend the power cable. If the power cable or cord has scrathes or skin peeled off or deteriorated then it must be replaced.

• There is risk of fire or electric shock.

For installation, removal or reinstall , 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. Be sure that the installation area does not deteriorate with age.

• It may cause product to fall.

Never install the outdoor unit on a moving base or a place from where it can fall down.

• The falling outdoor unit can cause damage or injury or even death of a person.

When the product is soaked (flooded or submerged) in water , contact an Authorized Service Center for repair before using it again.

• There is risk of fire or eletric shock.

Be sure to check the refrigerant to the used. Please read the label on the product.

• Incorrect refrigerant used can prevent the normal operation of the unit.

Don't use a power cord, a plug or a loose socket which is damaged.

• Otherwise it may cause a fire or electrical shock.

Do not touch , operate, or repair the product with wet hands. Hold the plug by hand when taking out

• There is risk of electric shock or fire.

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

• There is risk of fire and electric shock.

Do not allow water to run into electric parts. Install the unit away from water sources.

• There is risk of fire, failure of the product, or electric shock.

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

• There is risk of fire.

Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals.

- Improper or loose connections can cause heat generation or fire.

Safely dispose off the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and thraw away the plastic packaging bags.

- Children may play with them and cause injury.

Make sure to check that the power cable plug is not dirty, loose or broken and then only insert the plug completely.

- Dirty, loose or broken power plug can cause electric shock or fire.

In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work.

- An charged capacitor can cause electrical shock.

When installing the unit, use the installation kit provided with the product.

- Otherwise the unit may fall and cause severe injury.

Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment.

- The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire.

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

- Oxygen deficiency could occur and hence harm your health.

Do not open the front grille 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.

If strange sounds, smell or smoke comes from product.Immediately turn the breaker off or disconnect the power supply cable.

- There is risk of electric shock or fire.

Ventilate the product room from time to time when operating it together with a stove, or heating element etc.

- Oxygen deficiency can occur and hence harm your health.

Turn the main power off and unplug the unit when cleaning or repairing the product.

- There is risk of electric shock.

When the product is not to 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 especially kids could step on or fall onto the outdoor unit.

- This could result in personal injury and product damage.

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 to turn the unit ON/OFF .

- There is risk of fire or electric shock.

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.

⚠ CAUTION

Two or more people must 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.

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

- A bad connection may cause water leakage.

Keep level even when installing the product.

- To avoid vibration or noise.

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

- It may cause a problem for your neighbors and hence dispute.

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

- Low refrigerant levels may cause failure of product.

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 or splashing water 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.

• There is risk of personal injury.

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

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

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

• A dirty filter reduces the efficiency.

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

• There are sharp and moving parts that could cause personal injury.

Be cautious when unpacking and installing the product.

• Sharp edges could cause injury.

If the refrigerant gas leaks during the repair, do not touch the leakaing refrigerant gas.

• The refrigernat gas can cause frostbite (cold burn)

Do not tilt the unit when removing or uninstalling it.

• The condensed water inside can spill .

Do not mix air or gas other than the specified refrigerant used in the system .

• If air enters the refrigerant system, an excessively high pressure results, causing equipment damage or injury.

If the refrigerant gas leaks during the installation, ventilate the area immediately.

• Otherwise it can be harmfull for your health.

Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.

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 product failure.

Do not recharge or disassemble the batteries. Do not dispose off 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 hazard.

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.

Do not expose your skin or kids or plants to the cool or hot air draft.

• This could harm to your health.

Do not drink the water drained from the product.

• It is not sanitary and could cause serious health issues.

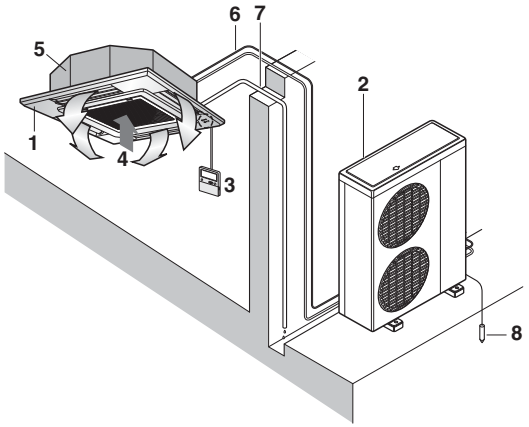
Use a firm stool or ladder when cleaning, maintaining or repairing the product at an height.

• Be careful and avoid personal injury.

The Power cord connected to the unit should be selected according to the following specifications .

Product Introduction

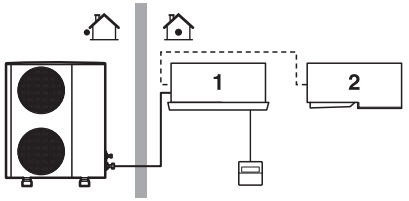
Name and function of parts



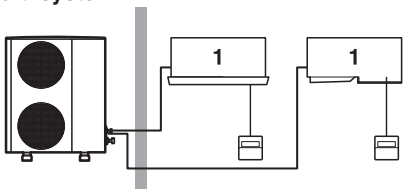
1: Indoor unit
2: Outdoor unit
3: Remote controller
4: Inlet air
5: Discharge air
6: Refrigerant piping, connection electric wire
7: Drain pipe
8: Ground wire
Wire to ground outdoor unit to prevent electrical shocks.

What to do before operation

Pair system or simultaneous operation system



Multi system



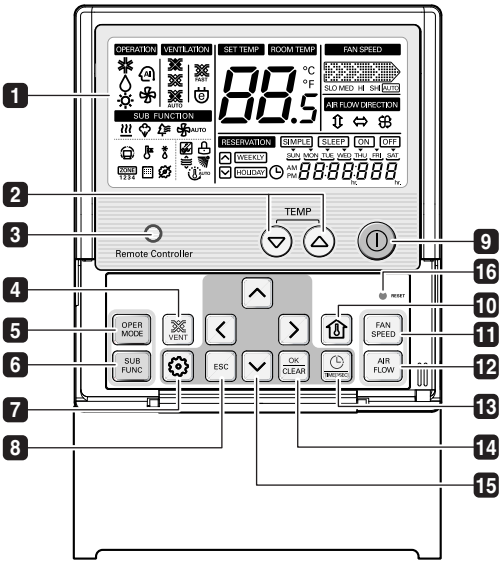
If your installation has a customized control system, ask your LG dealer for the operation that corresponds to your system.

1: Unit with remote controller
2: Unit without remote controller (when used as simultaneous operation)

Operation Indication Lamps

⏻	**On/Off**	: Lights up during the system operation.
	Filter Sign	: Lights up after 2400 hours from the time of first operating unit.
	Timer	: Lights up during Timer operation.
	Defrost Mode	: Lights up during Defrost Mode or Hot Start operation.(Heat pump model only)
•	**Forced**	: To operate the unit when the remote control can't be used for any reason.

Wired Remote Controller



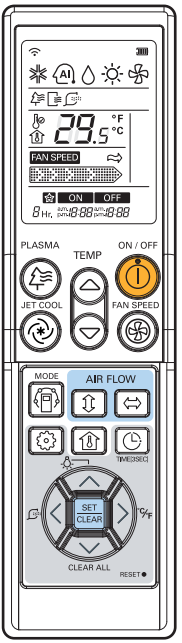
1. **OPERATION INDICATION SCREEN**
2. **SET TEMPERATURE Button**
3. **WIRELESS REMOTE CONTROLLER RECEIVER**
   - Some products don't receive the wireless signals.
4. **VENTILATION Button**
5. **OPERATION MODE SELECTION Button**
6. **SUBFUNCTION Button**
7. **FUNCTION SETTING Button**
8. **EXIT Button**
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**

NOTE

- ❊ 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.
- ❊ The actual product can be different from above contents depending upon model type.
- ❊ When using simultaneous operation system, whenever press remote controller button, system will approximately operate after 1~2 minutes.

Wireless Remote Controller (Accessory)

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



PQWRHDF0

CAUTION:of handling the Remote Controller

- **Aim at the signal receiver on the wired remote controller so as to operate.**
- **The remote control signal can be received at a distance of up to about 7m.**
- **Be sure that there are no obstructions between the remote controller and the signal receptor.**
- **Do not drop or throw the remote controller.**
- **Do not place the remote controller in a location exposed to direct sunlight, or near the heating unit, or any other heat source.**
- **Block a strong light over the signal receptor with a curtain or etc. so as to prevent the abnormal operation. (ex:electronic quick start, ELBA, inverter type fluorescent lamp)**

NOTE

❉ The wireless remote controller do not operate the vane angle control.(4Way Type)
❉ For more details refer to the Wireless Remote Control Accessory manual.
❉ The actual product can be different from above contents depending upon model type.
❉ The wireless remote controller does not operate When using simultaneous operation system.

Operating instructions

Cooling Mode - Standard Operation

1 Press ⏻ button to turn on the indoor.



2 Press OPER MODE 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.

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 OPER MODE button to select Cooling operation mode.



3 Press FAN SPEED 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

1 Press ⏻ button to turn on the indoor.

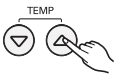


2 Press OPER MODE button to select Heating mode.



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.

Dehumidification Mode

1 Press ⏻ button to turn on the indoor.



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



3 Press the FAN SPEED 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

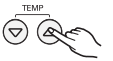
1 Press ⏻ button to turn on the indoor.



2 Press OPER MODE 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.

Auto Operation Mode

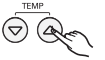
1 Press ⏻ button to turn on the indoor.



2 Press OPER MODE 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.

Fan Mode

1 Press ⏻ button to turn on the indoor. 

2 Press [OPER MODE] button to select Fan mode 

3 Press the [FAN SPEED] 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.

Airflow Setting

We can simply adjust the desired airflow rate

1 Press [AIR FLOW] buttons to set the desired airflow direction.

• ❀ → (NONE) → ⇔ ⇕ → ⇔ → ⇕

• Display of these lists depends on products function.

❖ NONE : Released swirl

Please refer to the manual of product.

<Ariflow Setting Table>

Symbol	Description
❀	Swril : 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.

Temperature setting/ room temperature check

1 We can simply adjust the desired temperature.
• Press the ▽ △ buttons to adjust the desired temperature.

△ : Increase 1˚C per one time pressing
▽ : Decrease 1˚C 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.

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 higher than room temperature Please lower 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 : Plasma Purification(Optional)

1 Repeat pressing [SUB FUNC] button until icon flash.



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



3 After setting, press [ESC] button to exit.



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 [SUB FUNC] button.

Function setting : Child Lock

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

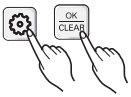
- Press ⚙ button.
- Repeat pressing ⚙ button until the 🔒 icon flash.



- When the button flashing, press OK/CLEAR 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 OK/CLEAR button.



Function Setting : Mode Change Temp

This function is to set converting temp. of Auto Changeover

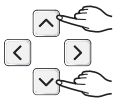
1 Press ⚙ button.



2 Repeat pressing ⚙ button until AUTO icon flash.



3 Press ∧ ∨ button to change converting temp value : 1~7



4 Press ESC button to complete and active the setting process.



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



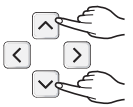
✻ This function may not operate depending on product type.

Function setting : Elevation Grill(Optional)

This function is to move the indoor filter
up/ down for cleaning filter.
The setting is applied only to product that has this function.

- Press ⚙ button.
- Repeat pressing ⚙ button until ≡ 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.





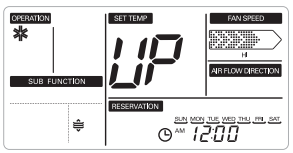
After setting, press button to exit or system will automatically release without input after 60 seconds.



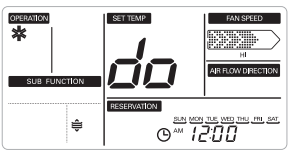
Details:

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

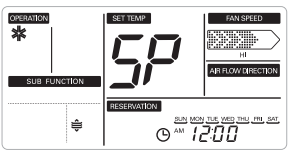
<LCD Display of Elevation Grill>



Direction: Up



Direction: Down



Direction: Stop

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 OK/CLEAR 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 : Vane Angle Control

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

1 Press ⚙ button.

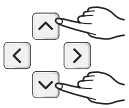


2 Repeat pressing ⚙ button until icon flash.



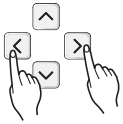
Ex) Setting second Vane Angle as 'P3'

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.

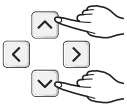


4 Press < > button to select Vane number/ Vane angle.

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



5 Press ∧ ∨ button to adjust the angle value.



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



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

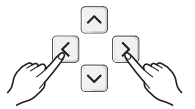


Setting Current Time

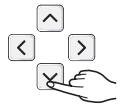
1 Keep pressing [TIME/SEC] button for 4 secs to enter Setting current time mode.



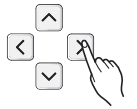
2 Press [<] [>] key to adjust the current day.



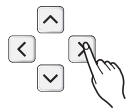
3 Press [v] key to move to AM/ PM setting mode (the 'AM/ PM segment will flash).



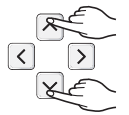
4 Setting AM/ PM value by pressing [>] button.



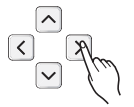
5 Press [>] button to move to 'Hour' setting mode. (the 'Hour' segment will flash)



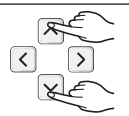
6 Setting Hour value by pressing [^] [v] button.



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



8 Setting Minute value by pressing [^] [v] button.



9 Press [OK/CLEAR] button to finish.



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



ENGLISH

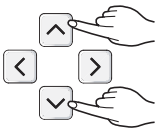
Programming : Setting Simple Reservation

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

1 Press [TIMER/SEC] button to enter the Programming mode. (the [SIMPLE] segment flashing)



2 Press [^] [v] button to adjust reservation time.



3 Press [OK/CLEAR] button to finish setting.



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 : Weekly Reservation

The weekly reservation is active after setting current time

1 Press [TIMER/SEC] button to enter the reservation setting mode.

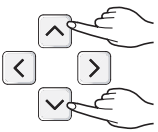


2 Repeat pressing [TIMER/SEC] button to enter the weekly reservation setting mode. ([WEEKLY] segment flashing)



3 Set the ON/ OFF reservation for day in week

- Press [^] [v] 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 [OK/CLEAR] button to finish setting.



Programming : Setting Sleep Reservation

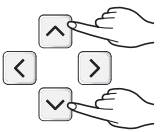
This function is able to turn off Air conditioner when sleeping or after some hours.

1 Press button to enter the Programming mode.



2 Repeat pressing button to enter the SLEEP reservation setting mode.
(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, SLEEP icon will flash.
When this setting is released, SLEEP 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.

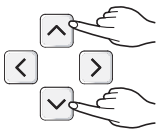
1 Press TIMER/SELECT button.



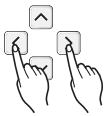
2 Repeat pressing TIMER/SELECT button to enter the ON reservation setting mode.
(ON segment flashing)



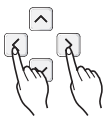
3 Press ∧ ∨ button to adjust AM/ PM setting.



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 OK/CLEAR button to finish setting.



Programming : Setting OFF Reservation

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

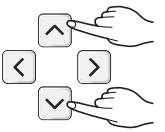
1 Press TIMER/SET button.



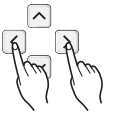
2 Repeat pressing TIMER/SET button to enter the OFF reservation setting mode.
(OFF segment flashing)



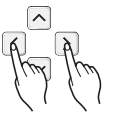
3 Press ∧ ∨ button to adjust AM/ PM setting.



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 OK CLEAR button to finish setting.



Programming : Holiday Reservation

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

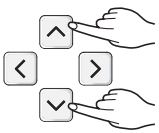
1 Press [TIMER SET] button to enter the reservation setting mode.



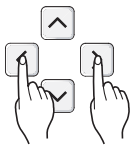
2 Repeat pressing [TIMER SET] button to enter the holiday reservation setting mode. (HOLIDAY segment flashing)



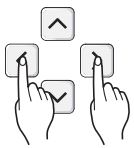
3 Press [<] [>] button to move to holiday position.



4 Press [^] [v] 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, HOLIDAY segment on LCD will be displayed.



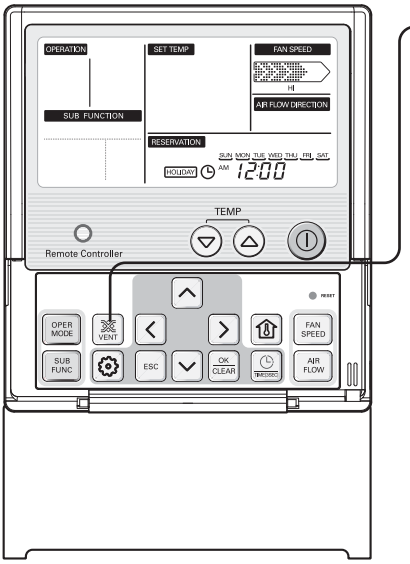
6 Press the [OK CLEAR] button to exit or if there is not any input, system will release any setting after 10 seconds.



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

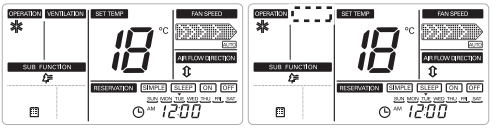
Ventilation Kit Control(Optional)

If there is a 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

Indoor Unit

Grille, Case and Remote Control

❒ Turn the system off before cleanining, 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 Filters

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



■ 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.**

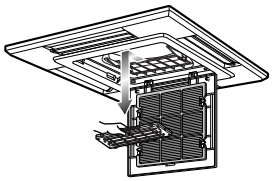
■ Do not expose the air filter to direct sunlight or heat from a fire when drying it.

4 **Install the air filter.**

Purifying filter(Optional)

Cleaning

The PLASMA filter behind the air filters should be checked and cleaned once every 3 months or more often if necessary.



1 After removing the air filters, pull slightly forward to remove the PLASMA filter.

2 Dip the PLASMA filter into the water mixed with neutral detergent, for 20~30 minutes.

3 Dry the PLASMA filter in the shade for a day (Especially, the humidity must be removed perfectly on this parts).

4 Note the cuts of electric discharge lines.

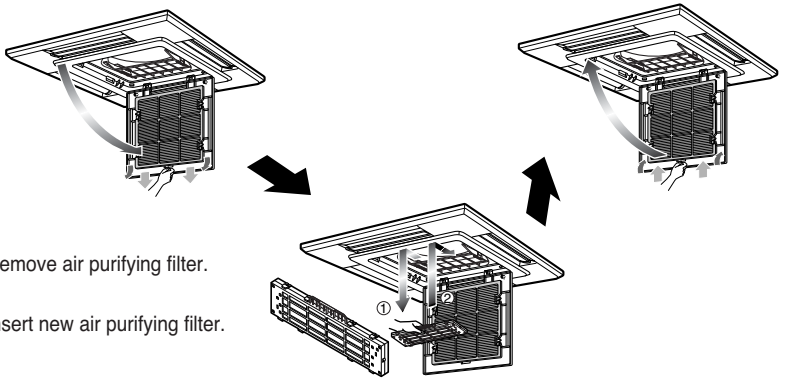
5 Re-install the PLASMA filter to the original position.

CAUTION:Don't touch this PLASMA Filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

Replacement

• Recomended use period : About 2 years

1 Open front panel and remove air filter.



2 Remove air purifying filter.

3 Insert new air purifying filter.

4 Reinsert air filter and close front panel.

Operation Tips!

Do not overcool the room.

This is not good for the 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.

When the air conditioner is not going....

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 14.)
- This will dry out the internal mechanisms.

2 Turn off the breaker.

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

3. Remove the batteries from the Remote Controller.

Helpful information

The air filters and your electiric 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 22 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.

Troubleshooting Tips! Save time and money!

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.	• Have you made a mistake in timer operation?
	• Has the fuse blown or has the circuit breaker been tripped?
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 restart.	• 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 setting temperature been set incorrectly?
	• Are the indoor unit's air inlet or outlet vents obstructed?
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.
Crack sound is heard.	• This sound is generated by the expansion/contraction of the inlet grille, 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.
Remote control display is faint, or no display at all.	• Has the circuit breaker been tripped? • Are the batteries inserted in the opposite (+) and (-) directions?
The error code is occurred after lightning struck	• This product has been applied to the over current protection circuit. Error can occur, but it is normal behavior. After few minutes, It will operate normally.

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 even if the humidity is low.
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.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