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LG

LG
Air Conditioner
OWNER'S MANUAL

Type : Wall Mounted

Indoor Unit
R18AWN-NC9
R22AWN-NC9
R24AWN-NC9
R28AWN-NC9

Outdoor Unit
R18AWN-UC9
R22AWN-UC9
R24AWN-UC9
R28AWN-UC9

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.

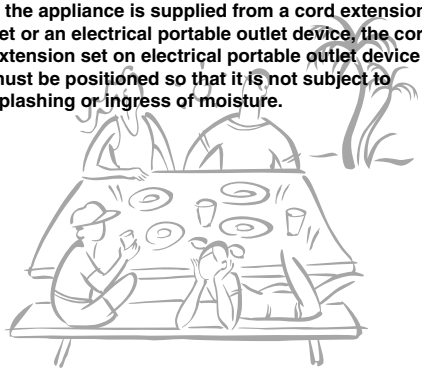
READ THIS MANUAL

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.**
- **If the appliance is supplied from a cord extension set or an electrical portable outlet device, the cord extension set on electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.**



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

Always use a power plug and socket with a ground terminal.
• 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 circuit 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.

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.

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 throw 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.

Be sure to check the refrigerant to be 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.

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 sound, 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 befor turning on the product.

• 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 hazards.

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.

OPERATING TEMPERATURE(°C) - Inverter Model

COOLING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
32°C	18°C	48°C	-10°C
HEATING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
30°C	16°C	24°C	-15°C

Electrical Safety

⚠ WARNING

- This appliance must be properly grounded.
  To minimize the risk of electric shock, you must always plug into a grounded oulet.
- Do not cut or remove the grounding prong from the power plug.
- 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.
- If you have any doubt whether the air conditioner is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.

Temporary Use of an Adapter

We strongly discourage the use of an adapter due to potential safety hazards. For temporary connections, use only a genuine adapter, available from most local hardware stores. Ensure that the large slot in the adapter is aligned with the large slot in the receptacle for a proper polarity connection.

To disconnect the power cord from the adapter, use one hand on each to avoid damaging the ground terminal. Avoid frequently unplugging the power cord as this can lead to eventual ground terminal damage.

⚠ WARNING

- Never use the appliance with a broken adapter.

Temporary Use of an Extension Cord

We strongly discourage the use of an extension cord due to potential safety hazards.

⚠ WARNING

This appliance should be installed in accordance with national wiring regulations. This manual acts as a guide to explaining product features.

Symbols used in this Manual



This symbol alerts you to the risk of electric shock.



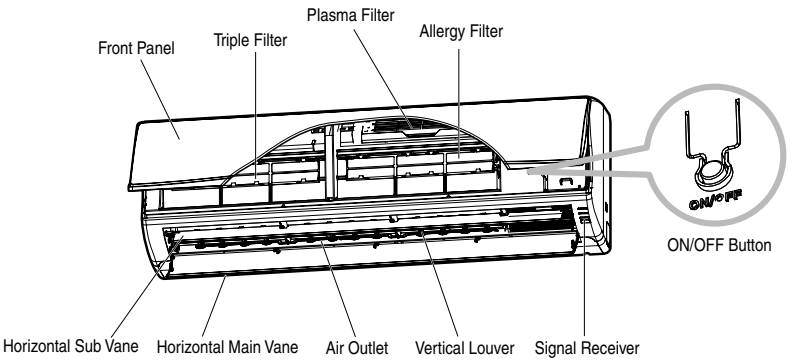
This symbol alerts you to hazards that may cause harm to the air conditioner.

NOTE **This symbol indicates special notes.**

Product Introduction

Here is a brief introduction of the indoor and outdoor units.

Indoor Units



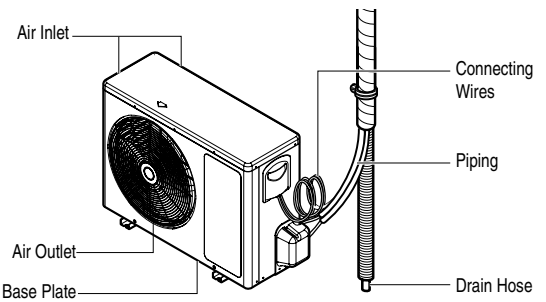
Operation Indication Lamps

- Cooling : 'Cooling' lamp lights up during Cooling Operation
- Heating : 'Heating' lamp lights up during Heating Operation
- Plasma : 'Plasma' lamp lights up during Plasma Purification Operation

✻ During Air Circulation Operation, 'Cooling' lamp lights up.

✻ While Plasma Purification operates with Air Circulation Operation, ‘Cooling’ lamp and ‘Plasma’ lamp lights up at the same time.

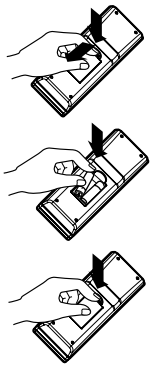
Outdoor Unit



Operating Instructions

How to insert the Batteries

1. Remove the battery cover by pulling it according to the arrow direction.
2. Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
3. Reattach the cover by sliding it back into position.

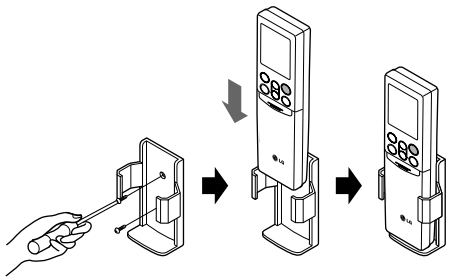


NOTE

1. Always use/replace both batteries of same type.
2. If the system is not to be used for a long time, remove the batteries to save their working life.
3. If the display screen of remote controller starts, fading replace both of the batteries.
4. Use 2 AAA(1.5 volt) batteries.

Wireless Remote Controller Maintenance

1. Choose a suitable place where its safe & easy to reach.
2. Fix the holder to wall etc with the supplied screws firmly.
3. Slide the remote controller inside the holder.

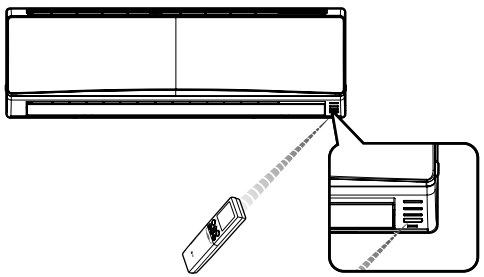


NOTE

1. Remote controller should never be exposed to direct sunlight.
2. Signal transmitter & receiver should always be clean for proper communication. Use a soft cloth to clean them.
3. In case some other appliances also get operated with remote control, change their position or consult your serviceman.

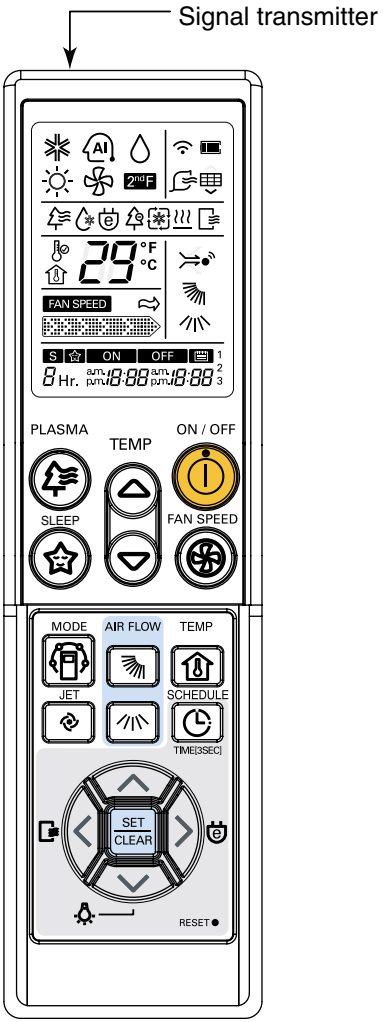
Operating Method

1. The signal receiver is inside the unit.
2. Aim the remote controller towards the unit to operate it. There should not be any blockage in between.



Wireless Remote Controller

The controls will look like the following.



ON / OFF

ON/OFF BUTTON
Used to turn off/on the unit.

MODE

OPERATION MODE SELECTION BUTTON
Used to select the operation mode.

TEMP

ROOM TEMPERATURE SETTING BUTTONS
Used to select the room temperature.

FAN SPEED

INDOOR FAN SPEED SELECTION BUTTON
Used to select fan speed in six steps low, medium-low, medium, medium-high, high and natural wind.

PLASMA

PLASMA BUTTON(Optional)
Used to start or stop the plasma-purification.

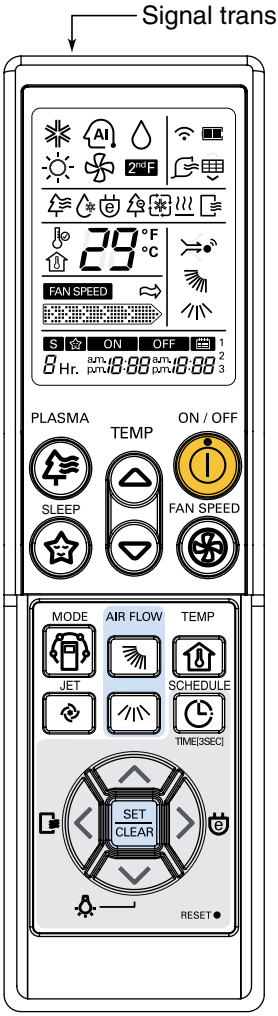
SLEEP

SLEEP MODE AUTO BUTTON
Used to set sleep mode auto operation.

Operation Mode

- Cooling Operation
- Auto Operation or Auto Changeover
- Healthy Dehumidification Operation
- Heating Operation (Only heat pump)
- Air Circulation

The controls will look like the following.



TIME ADJUSTING BUTTONS
Used to adjust the time.

TIMER SET/CLEAR BUTTON(after adjusting)
Used to set and to cancel the timer operation.

RESET BUTTON
Used prior to resetting time.

LED LUMINOSITY BUTTON(Optional)
Used to adjust LED luminosity.

JET COOL BUTTON
Used to start or stop the speed cooling.
The Jet Cool operates fan in super high speed in cooling mode.

HORIZONTAL VANE CONTROL BUTTON
Used to set the desired vertical airflow direction.

VERTICAL LOUVER CONTROL BUTTON(Optional)
Used to set the desired horizontal airflow direction.

AUTO CLEAN BUTTON
Used to set auto clean.

ENERGY SAVING COOLING BUTTON
Used to save Energy.

ROOM TEMPERATURE CHECKING BUTTON
Used to check the room temperature.

TIMER BUTTON(before adjusting)
Used to set the current time and the time of starting / stopping.

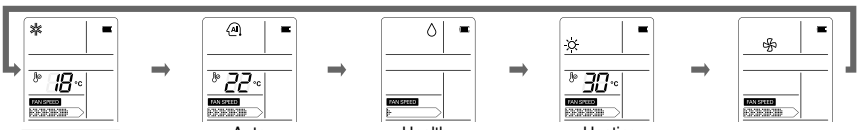
Operation Mode

1 Press the ON/OFF BUTTON to turn the unit on.
The unit will respond with a beep.



2 Open the cover of the remote controller and press the operation mode button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.





Cooling | Auto Changeover | Healthy Dehumidification | Heating (Heat pump model only) | Air Circulation

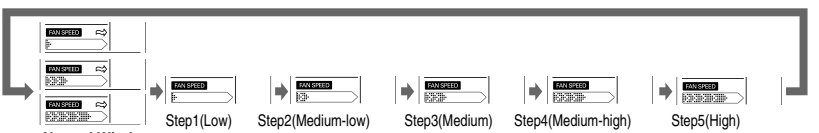
Auto Changeover (Optional)

3 For cooling or heating operation set the desired indoor temperature by pressing the ROOM TEMPERATURE SETTING BUTTONS.
For cooling the temperature can be set within 18°C~30°C and for heating the temperature range is 16°C~30°C.



4 Set the fan speed with the remote controller. You can select the fan speed in six steps : low, medium-low, medium, medium-high, high and natural wind by pressing the INDOOR FAN SPEED SELECTION BUTTON.
Each time the button is pressed, the fan speed mode is shifted in the direction of the arrow.



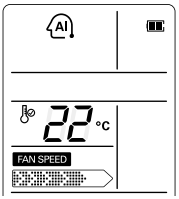


Natural Wind | Step1(Low) | Step2(Medium-low) | Step3(Medium) | Step4(Medium-high) | Step5(High)

Natural wind

❑ For fresher feeling, press the INDOOR FAN SPEED SELECTION BUTTON and set to Natural wind mode.
In this mode, the wind blows like a natural breeze by automatically changing fan speed.

Auto Changeover Operation

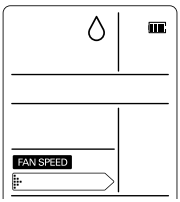


This operation is basically heating or cooling function of the air conditioner. But during this operation the controller changes the operation mode automatically to keep the temperature within ±2°C with respect to the setting temperature.

MODE



Healthy Dehumidification Operation



During Healthy Dehumidification Operation

MODE

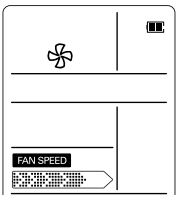


❏ If you select the dehumidification mode on the OPERATION MODE SELECTION BUTTON, the product starts to run the dehumidification function.
It automatically sets the room temperature and airflow volume to the best condition for dehumidification, based on the sensed current room temperature.

In this case, however, the setting temperature is not displayed on the remote controller and you are not able to control the room temperature either.

❏ During the healthy dehumidification function, the fan speed is automatically set according to the optimization algorithm responding to the current room temperature status, so that the room condition is kept healthy and comfortable even in the very humid season.

Air Circulation Operation



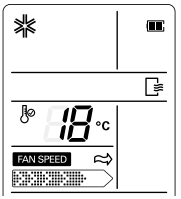
This operation circulates the air without cooling or heating. It can be activated by pressing the OPERATION MODE SELECTION BUTTON. Once the air circulation is activated you can select the fan speed by pressing the INDOOR FAN SPEED SELECTION BUTTON.



NOTE : During this opertion , 'Cooling' lamp lights up.

Auto Clean Operation

❏ During Auto Clean Operation, moistures left in indoor units after cooling operation or healthy dehumidification operation can be removed.

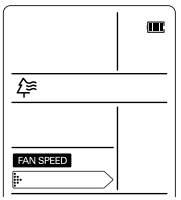


Select Auto Clean Operation by the function setting button( ) . Now whenever the unit is turned off, the indoor fan is still running for about 30 minutes internally without cooling or dehumidification operation. This function dries up any remains of moisture & cleans the unit internally. If you push the Auto Clean button again, this function is cancelled.

NOTE

❏ During Auto Clean fuction, only ON/OFF button, Plasma button, Auto Clean button is used. During this operation, 'Cooling' lamp lights up.

PLASMA Purification Operation



Plasma filter is a technology developed by LG to get rid of microscopic contaminants in the intake air by generating a plasma of high charge electrons. This plasma kills and destroys the contaminants completely to provide clean and hygienic air.

Plasma purification operation can be started by pressing the PLASMA BUTTON on the remote controller.

Repressing it will deactivate the operation.

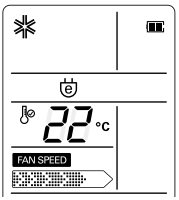


NOTE

- This features can be used in any operation mode and fan speed by pressing the plasma button.
- Separate plasma purification operation is possible in stop condition. It is cancelled by pressing plasma button or on/off button.

Energy-Saving Cooling Mode

Energy-saving cooling mode can save energy in cooling operation, because it can operate efficiently by setting body-adaptation time according to the change of time and temperature and adjusting desired temperature automatically.



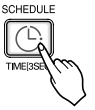
1. Press the ON/OFF BUTTON to start the unit.
2. Open the cover of the remote controller.
   Select cooling operation.
3. Press the ENERGY-SAVING COOLING MODE BUTTON.
4. To cancel the energy-saving cooling mode, press the ENERGY-SAVING COOLING MODE BUTTON again and unit will operate in previous mode(Cooling mode).

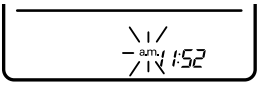
Display Luminosity

The unit display Luminosity can be adjusted by using the remote controller.
Open the cover of the remote controller and press the LED LUMINOSITY button.
Display LED will be dark. Press the button again to set bright display.
(The order of 100% ➞ 50% LUMINOSITY is repeated whenever you press the button.)

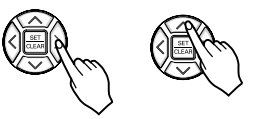
Setting the Current Time

1 Press the TIMER BUTTON For 3 seconds.





2 Press the TIMER SETTING BUTTONS until the desired time is set.
- The order of a.m. and p.m. -> hour ->minute is repeated whenever you press the < > button.
- By pressing the ∧∨ button, you can set the current time.

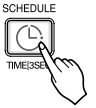
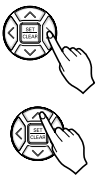


3 Press the SET/CLEAR button.



NOTE Check the indicator for a.m. and p.m.

Timer Setting

	Description	Button on the Remote Controller	Indication on the LCD Display
1	Press the Timer button once to set on the Reserved 'On' (Press the Timer button twice to set the Reserved 'Off')		
2	Press the Time Setting buttons until the desired time is set. - The order of a.m. and p.m. -> hour ->minute is repeated whenever you press the < > button. - By pressing the ∧∨ button, you can set the desired time.		
3	Press the SET/CLEAR BUTTON (Press the SET/CLEAR BUTTON once more to cancel)		

To cancel the timer setting

- If you wish to cancel all timer setting, press the SET/CLEAR button.
- In order to cancel the timer settings individually, press the Timer button to select Reserved 'On' or Reserved 'Off'. And then press the Set/Clear button aiming the remote controller at the signal receiver. (the timer lamp on the display will go off)

Sleep Mode Operation

Press the SLEEP MODE AUTO BUTTON to set the time when you want the unit to stop automatically. The timer is programmed in one-hour increments by pressing the SLEEP MODE AUTO BUTTON 1 to 7 times. The sleep mode is available for 1 to 7 hours.



NOTE

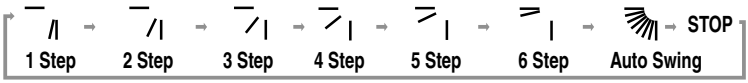
- The sleep mode will operate indoor fan at super low speed in cooling mode and at low speed in heating mode for pleasant sleep.

In cooling mode or healthy dehumidification mode:

The setting temperature will rise automatically two times by 1°C over next consecutive 30 minutes (Maximum 2°C) for a comfortable sleep. This will be the final setting temperature as long as sleep mode is functioning.

Horizontal Vane Control

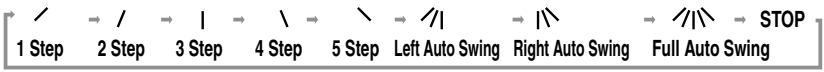
The Horizontal Vane can be adjusted by using the remote controller.
1. Press the ON/OFF BUTTON to start the unit.
2. Press the vertical airflow direction button.
   Each time the button is pressed, the air-flow direction is changed in the direction of the arrow.



※ Press the Vertical Airflow Direction button once more during Auto Swing at the direction of airflow you want.

Vertical Louver Control

The Vertical Louvers can be adjusted by using the remote controller.
1. Press the ON/OFF BUTTON to start the unit.
2. Press the horizontal airflow direction button. Each time the button is pressed, the airflow direction is changed in the direction of the arrow.

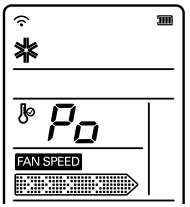


※ Press the Horizontal Airflow Direction button once more during Full Auto Swing at the direction of airflow you want.

NOTE

- Manually moving the Horizontal Vane or Vertical Louvers by hand could damage the mechanism.When the unit is shut off, the the Horizontal Vane and Vertical Louvers will close the air outlet vent of the product.

Jet Cool/Heat Operation



Jet cool function can be used to cool the room quickly in hot summer. When this function is turned on, the air conditioner runs in cooling operation mode with super high fan speed and 18°C setting temperature for 30 minutes for fast and effective cooling.
Similarly, jet heat function (available only in some models) warms up the room quickly by operating at super high fan speed and 30°C setting temperature for 30 minutes.

You can activate this operation by pressing the JET COOL BUTTON.
To change from jet cool mode to high fan speed cooling mode, press the JET COOL BUTTON or INIDOOR FAN SPEED SELECTOR BUTTON or the ROOM TERPERATURE SETTING BUTTON again.

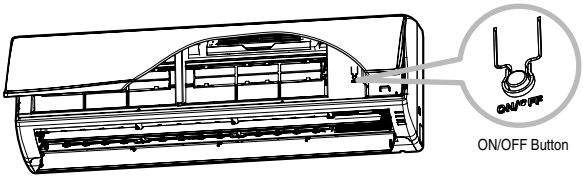


NOTE

- Jet Cool/Heat operation cannot be activated during Air Circulation operation and auto changeover operation.
- In case of Cooling only model , Jet Cool cannot be activated during Heating.
- In case of Inverter you can use jet heat function by pressing JET COOL BUTTON for heating operation.

Forced operation

Forced operation is used when the remote controller can't be used. The operation will be started if the ON/OFF button is pressed. If you want to stop the operation, re-press the button.



ON/OFF Button

	Cooling Model	Heat pump Model		
		Room Temp. ≥ 24°C	21°C ≤ Room Temp. < 24°C	Room Temp. < 21°C
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	22°C	22°C	23°C	24°C

Test operation

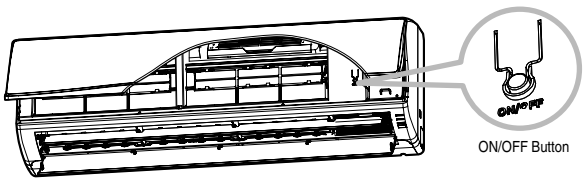
During the TEST OPERATION, the unit operates in cooling mode at high speed fan, regardless of room temperature and resets in 18 minutes. During test operation, if remote controller signal is received, the unit operates as remote controller sets. If you want to use this operation, Press and hold the ON/OFF button for 3~5 seconds, then the buzzer sound 1 'beep'. If you want to stop the operation, re-press the button.

Auto Restart Function

This function is useful in the situation of power failure.
When power regains after a failure this feature restore the previous operating condition and the air conditioner will run in the same settings.

NOTE

This feature is enabled by factory default setting, but you can disable it by pressing the ON/OFF button for 6 seconds. The unit will beep twice and the lamp will blink 6 times.
To enable it, press the button again for 6 seconds. The unit will beep twice and the blue lamp will blink 4 times.



ON/OFF Button

Maintenance and Service

⚠ CAUTION

Before performing any maintenance, turn off the main power to the system, disconnect the circuit breaker and unplug the power cord.

Indoor Unit

Clean the unit with a soft dry cloth. Do not use bleach or abrasives.

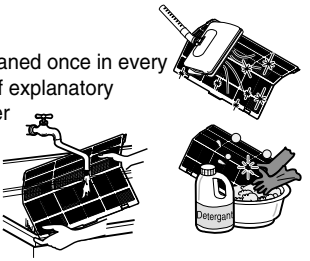
⚠ CAUTION

Never use any of these

- Water hotter than 40°C. It may cause deformation and discoloration.
- Volatile substances. They may damage the surface of the air conditioner.

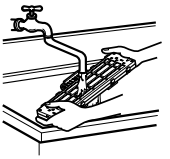
Air Filters

The air filters behind the front panel / grill should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water. Dry well in shade after washing and reinstall the filters back in place.



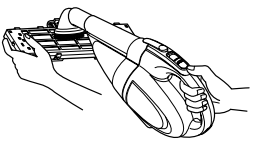
Plasma Filter

The plasma filters behind the air filter should be checked and cleaned once in every 3 months or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner. If it is dirty wash it with water and dry well in shade an install back in place.



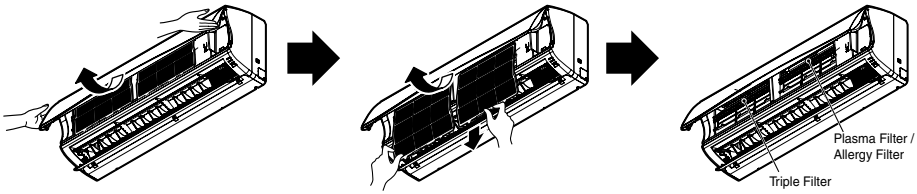
Allergy Free Filter + Triple Filter

Remove the Allergy Free Filter + Triple Filter behind the air filter and expose them in direct sunlight for 2 hours.
And then insert these filters into original position.



Removal of Filters

Open the front panel as shown.
Then pull the filter tab slightly forward to remove the air filter.
After removing the air filter remove the plasma and Allergy Free Filter by slightly pulling downwards.



⚠ CAUTION

Don't touch this plasma filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

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.

NOTE

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

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 thight.

- 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.

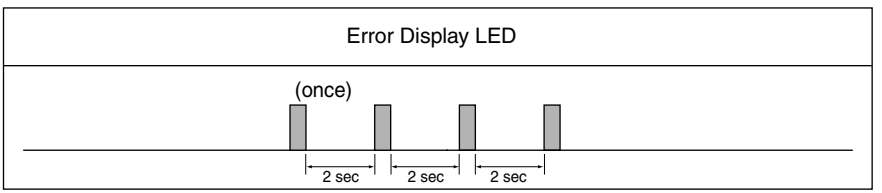
- Since windows are kept closed, it is a good idea to open them and ventilate the room now and ten.

Use high fan speed for effective and fast cooling.

- The unit gives its rated cooling capacity when the fan speed is high.

Self-Diagnosis Function

This unit has an inbuilt error diagnosis capability. Unit LED will blink in case if thermistor fails.
Please contact your serviceman/dealer in such a situation



Troubleshooting Tips! Save time and money!

The air conditioner may be operating abnormally when:

Problem	Possible Causes	What To Do
Air conditioner does not start	■ The air conditioner is unplugged.	• Make sure the air conditioner plug is pushed completely into the outlet.
	■ The fuse is blown/circuit breaker is tripped.	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	■ Power failure.	• If power failure occurs, turn the mode control to OFF. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	■ High voltage.	• If the voltage is unusually very high or low the circuit Breaker will trip.
Air conditioner does not cool as it should	■ Airflow is restricted.	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	■ The air filter is dirty.	• Clean the filter at least every 2 weeks. See the Maintenance and Service section.
	■ The room may have been hot.	• When the air conditioner is first turned on, you need to allow time for the room to cool down.
	■ Cold air is escaping.	• Check for open furnace floor registers and cold air returns.
	■ Check the temperature settings.	• Make sure they are correct.
	■ There might be any heating source in the room.	• Check and remove such source or turn it off while using the air conditioner.

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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