LG

LG Cassette-Type Air Conditioner

OWNER'S MANUAL

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.

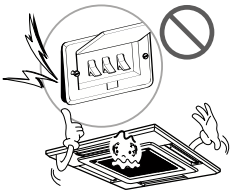
⃠	**Be sure not to do.**
❗	**Be sure to follow the instruction.**

⚠ WARNING

■ Installation

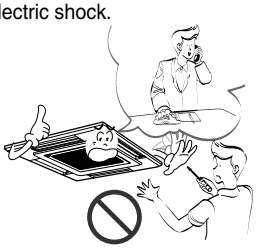
Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is risk of fire or electric shock.



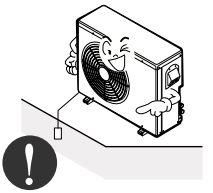
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

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



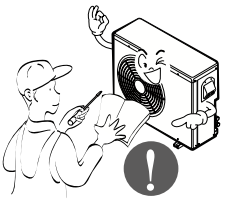
Always ground the product.

- 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.

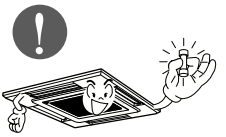


Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock

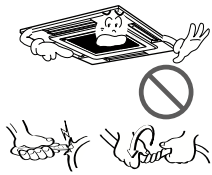
Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.



Do not modify or extend the power cable.

- There is risk of fire or electric shock.

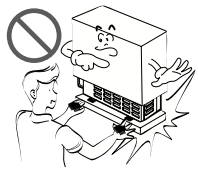


Do not install, remove, or re-install the unit by yourself (customer).

- 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.

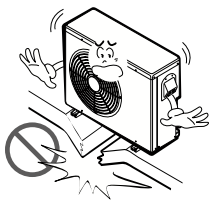


For installation, always contact the dealer or an Authorized Service Center.

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

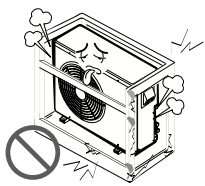
Do not install the product on a defective installation stand.

- 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.



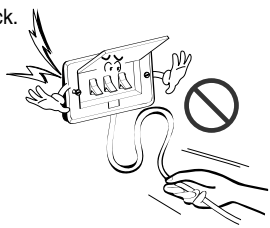
■ Operation

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.

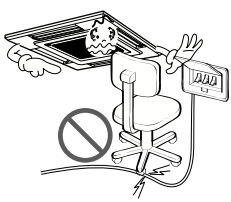
Take care to ensure that power cable could not be pulled out or damaged during operation.

- There is risk of fire or electric shock.



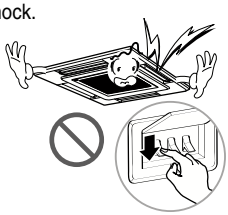
Do not place anything on the power cable.

- 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.

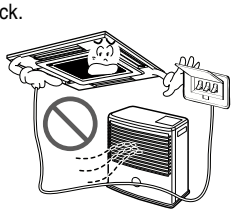


Do not touch(operate) the product with wet hands.

- There is risk of fire or electrical shock.

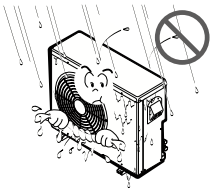
Do not place a heater or other appliances near the power cable.

- There is risk of fire and electric shock.



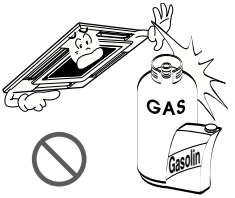
Do not allow water to run into electric parts.

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



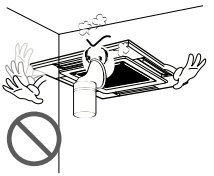
Do not store or use flammable gas or combustibles near the product.

- 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.

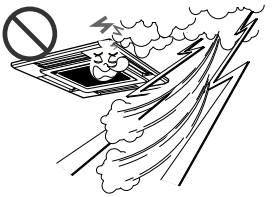
- Do not use the telephone or turn switches on or off.
  There is risk of explosion or fire

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.

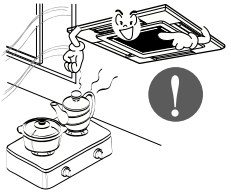
- There is risk of fire or electric shock.

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.

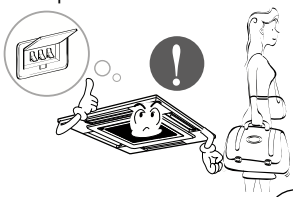


Turn the main power off when cleaning or maintaining the product.

- 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.

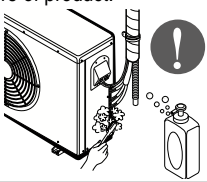
- This could result in personal injury and product damage.

⚠ CAUTION

■ Installation

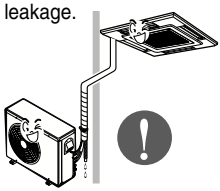
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



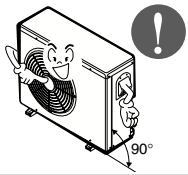
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



Keep level even when installing the product.

- To avoid vibration or water leakage.

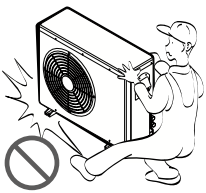


Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

- It may cause a problem for your neighbors.

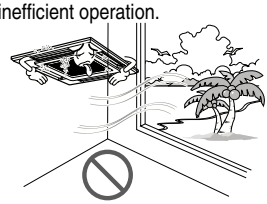
Use two or more people to lift and transport the product.

- Avoid personal injury.



Do not install the product where it will be exposed to sea wind (salt spray) directly.

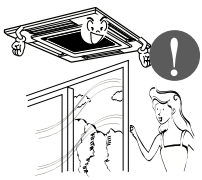
- It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



■ Operation

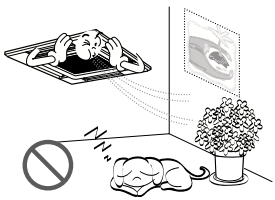
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm to your health.



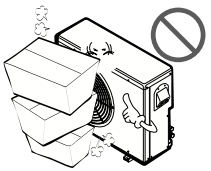
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- There is risk of damage or loss of property.



Do not block the inlet or outlet of air flow.

- It may cause product failure.

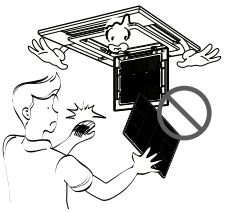


Use a soft cloth to clean. Do not use harsh detergents, solvents, etc.

- 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.

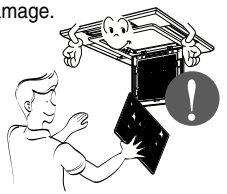


Do not step on or put anyting on the product. (outdoor units)

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

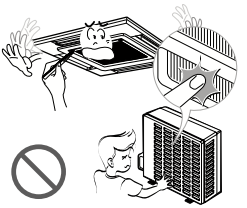
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

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



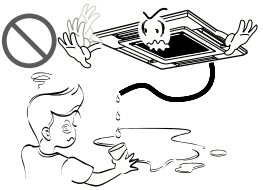
Do not insert hands or other objects through the air inlet or outlet while the product is operated.

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



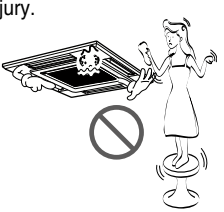
Do not drink the water drained from the product.

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



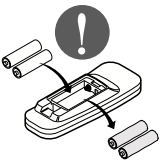
Use a firm stool or ladder when cleaning or maintaining the product.

- Be careful and avoid personal injury.



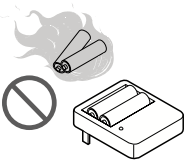
Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

- 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

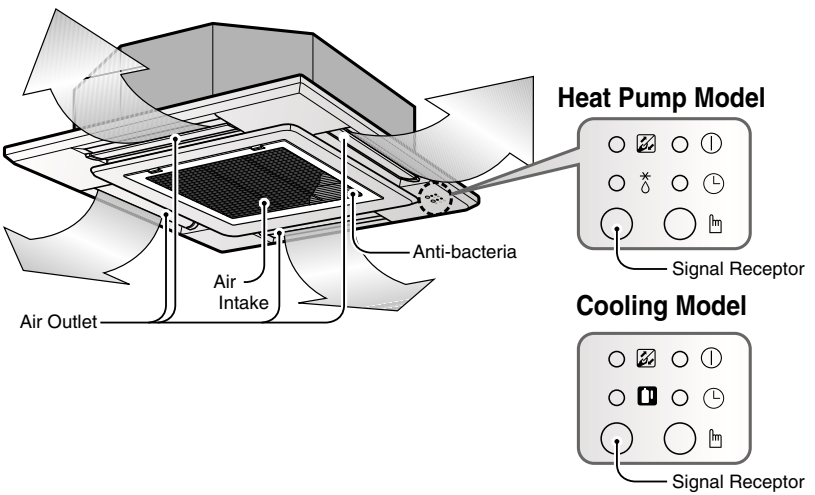
This symbol alerts you to the risk of electric shock.

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

NOTICE **This symbol indicates special notes.**

Features

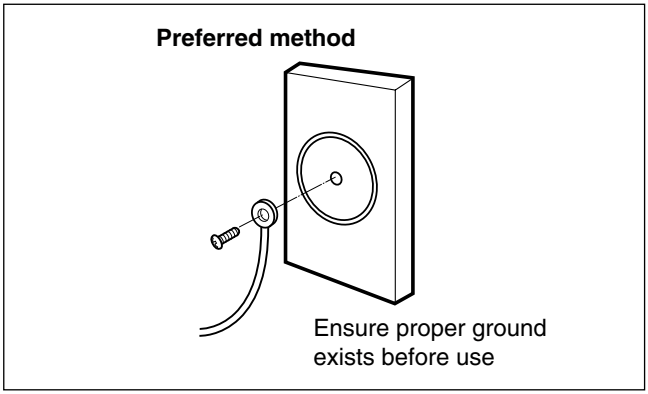
WARNING: This appliance should be installed in accordance with national wiring regulations. This guide acts as a guide to help to explain product features.



Electrical Safety

WARNING: This appliance must be properly grounded.

To minimize the risk of electric shock, you must alway plug into a grounded oulet.



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

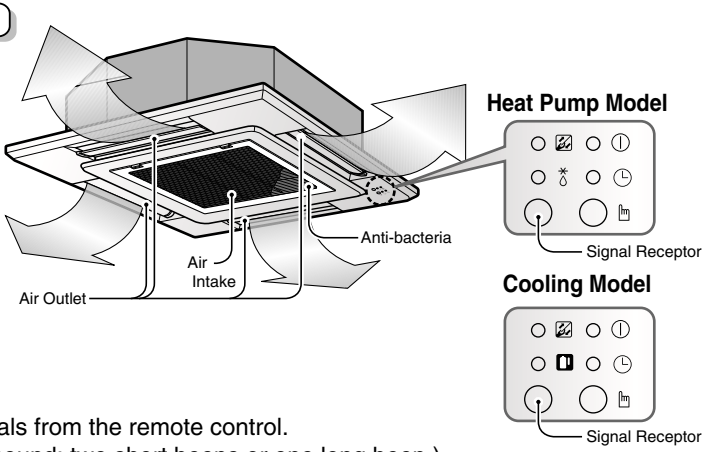
WARNING: Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.

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

Indoor Unit



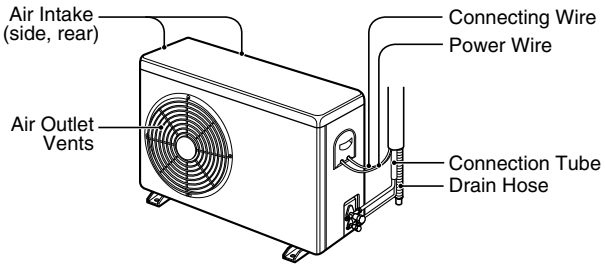
Signal Receptor

Receives the signals from the remote control.
(Signal receiving sound: two short beeps or one long beep.)

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. (Refer to page 23.)
	Timer	: Lights up during Timer operation.
	Defrost Mode	: Lights up during Defrost Mode or Hot Start operation. (Heat pump model only)
	Outdoor Unit Operation	: Lights up during outdoor unit operation. (Cooling model only)
	Forced Operation	: Operation procedures when the remote control can't be used.

Outdoor Unit

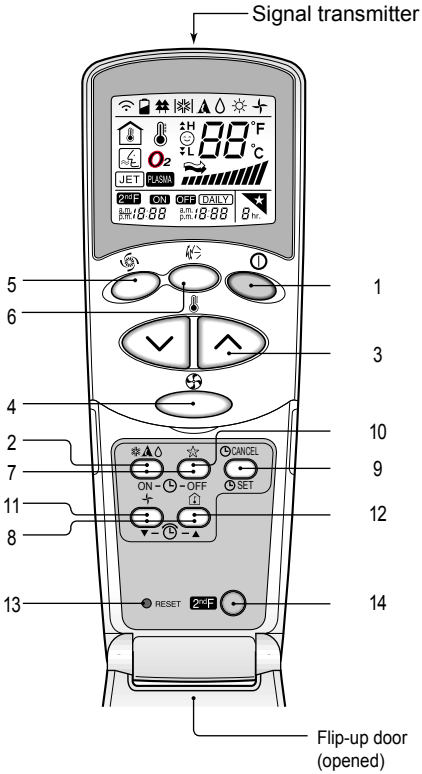


Heat pump model: Cassette Type Air Conditioner for cooling and heating
Cooling model: Cassette Type Air Conditioner for cooling

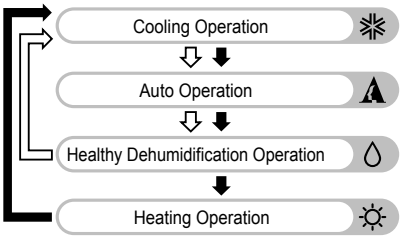
Name and Function of Controller

The controls will look like the following.

Wireless Remote Controller



Operation Mode

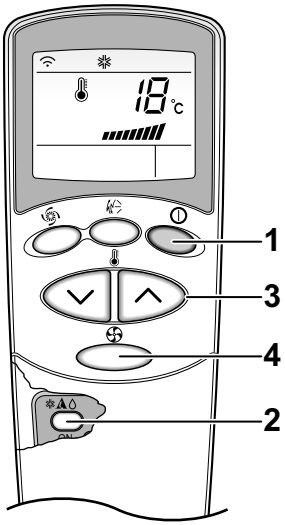


• Cooling Model (⇩), Heat Pump Model (⬇)

1. START/STOP BUTTON
   Used to turn off/on the unit.
2. OPERATION MODE SELECTOR BUTTON
   Used to select the operation mode.
3. ROOM TEMPERATURE SETTING BUTTONS
   Used to select the room temperature.
4. INDOOR FAN SPEED SELECTOR BUTTON
   Used to select fan speed in four steps
   low, medium, high and CHAOS.
5. JET COOL BUTTON
   Used to start or stop the speed cooling.
   (It operates fan in super high speed in cooling mode)
6. CHAOS SWING BUTTON
   Used to stop or start louver movement and set the desired up/down airflow direction.
7. ON/OFF TIMER BUTTONS
   Used to set the time of starting and stopping operation.
8. TIME SETTING BUTTONS
   Used to adjust the time.
9. TIMER SET/CANCEL BUTTON
   Used to set and to cancel the timer operation.
10. SLEEP MODE AUTO BUTTON
    Used to set sleep mode auto operation.
11. AIR CIRCULATION BUTTON
    Used to circulate the room air without cooling or heating.
12. ROOM TEMPERATURE CHECKING BUTTON
    Used to check the room temperature.
13. RESET BUTTON
    Used prior to resetting time.
14. 2nd F BUTTON
    Used prior to using modes printed in blue at the botton of buttons.

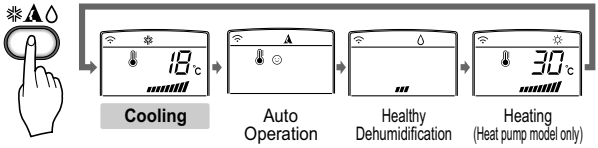
ENGLISH

Operation Mode

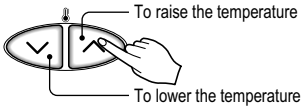


1 Press the START/STOP BUTTON to turn the unit on.
The unit will respond with a beep.

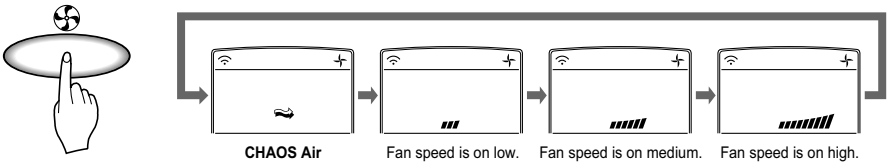
2 Open the door of the remote controller and press the operation mode button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



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.



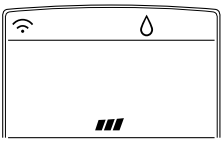
4 Set the fan speed with the remote controller. You can select the fan speed in four steps-low, medium, high and CHAOS by pressing the INDOOR FAN SPEED SELECTOR BUTTON.
Each time the button is pressed, the fan speed mode is shifted.



Natural wind by the CHAOS logic

For fresher feeling, press the INDOOR FAN SPEED SELECTOR BUTTON select and set to CHAOS mode.
In this mode, the wind blows like a natural breeze by automatically changing fan speed according to the CHAOS logic.

Healthy Dehumidification Operation



Healthy Dehumidification

During Healthy Dehumidification Operation

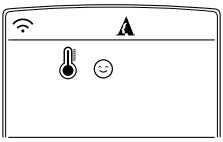
□ If you select the dehumidification mode on the OPERATION MODE SELECTION BUTTON, the product starts to run the dehumidification function. It automatically sets the room temperature and airflow volume to the best condition for dehumidification, based on the sensed current room temperature.

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 airflow volume 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.

To run the healthy dehumidification mode follow steps 1, and 2 and 4 (See operation mode)

Auto Operation



Auto

In this operation mode the actual setting temperature and the fan speed are automatically set by the electronic control logic based on the current room temperature. If you feel hot or cold press the temperature setting buttons respectively for more cooling or heating effect.

NOTE : You cannot set the actual setting temperature and the indoor fan speed in this operation mode. But you can use the Chaos swing in this operation.
If the system is not operating as desired, switch manually to another mode.

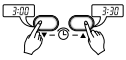
To run the auto operation follow steps 1, and 2. (See operation mode)

Setting the Time operation

□ Time can be set only when you have pressed the Reset button. If you have just replaced the batteries, the Reset button should be pressed to reset the time.
Press the Start/Stop button.

□ Press 2nd F button
and check if 2nd F icon is on.

□ Press the Time Setting buttons until the desired time is set.

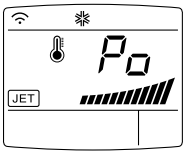


□ Press the Timer SET button.

Note: Check the indicator for A.M. and P.M.

ENGLISH

Jet Cool/Heat Operation

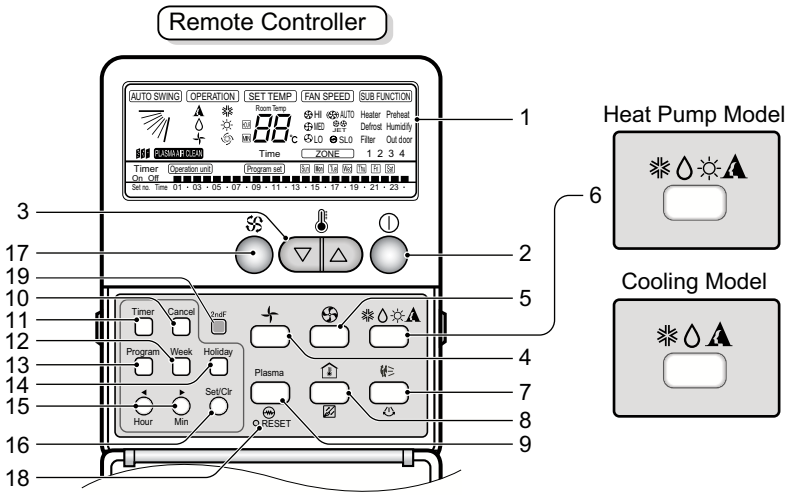


Jet cool function can be used to cool the room quickly in hot summer. When this function is turned on, the air conditioner runs in cooling operation mode with super high fan speed and 18°C setting temperature for fast and effective cooling.
Similarly, jet heat function (available only in some models) warms up the room quickly by operating at super high fan speed and 30°C setting temperature for 60 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 function cannot be activated during heating or auto changeover operations.
- In case of Inverter, Art Cool and Art Cool Wide(non-Deluxe) model, you can use jet heat function by pressing JET COOL BUTTON for heating operation.
- Art Cool and Art Cool Wide models close the side discharges during jet cool/heat operation, for strong cooling and heating.



1. Operation display
   Displays the operation conditions.
2. On/Off Button
   Operation starts when this button is pressed, and stops when the button is pressed again.
3. Set Temperature Button
   Used to set the temperature when the desired temperature is obtained.
4. FAN Operation Button
   Used to circulate room air without cooling or heating.
5. Fan Speed & Jet Cool Button
   Used to set the desired fan speed and select Jet cool mode.
6. Operation Mode Selection Button
   Used to select the operation mode.
   - Cooling Operation Mode
   - Soft Dry Operation Mode
   - Heating Operation Mode(except cooling model)
   - Auto Operation Mode
7. Auto Swing Button
   Used to swing up and down.
8. Room Temperature Checking Button
   Used to check the room temperature.
9. Plasma Air Clean Button (optional)
10. Timer Cancel Button
    Used to cancel the timer.
11. Timer Set Button
    Used to set the timer when the desired time is obtained.
12. Week Button
    Used to set a day of the week.
13. Program Button
    Used to set the weekly timer.
14. Holiday Button
    Used to set a holiday of the week.
15. Time Set Button
    Used to set the time of the day and change the time in the weekly timer Function.
16. Set and Clear Button
    Used to set and clear the weekly timer.
17. Swirl Button
    Used to select swirl mode.
18. Reset Button
    Used to set the current time and clear the setting time.
19. 2nd F Button
    Used prior to using modes printed in blue at the botton of buttons.

❊ 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.

Maintenance and Service

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

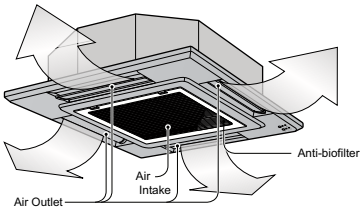
Indoor Unit

Grille, Case and Remote Control

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

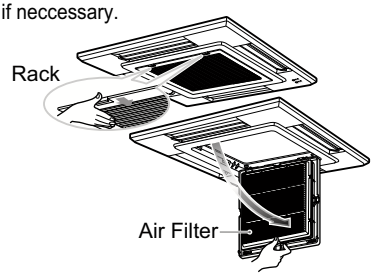
NOTICE

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 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.

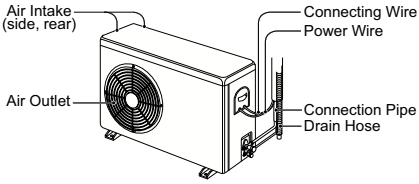
2. Clean dirt from the air filter using a vacuum cleaner or washing with water.
   ■ If dirt is conspicuous, wash with a neutral detergent in lukewarm water.
   ■ If hot water (50°C or more) is used, it may be deformed.
3. After washing with water, dry well in the shade.
   ■ Do not expose the air filter to direct sunlight or heat from a fire when drying it.
4. Install the air filter.

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

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.
   - 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 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.

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?	16
	• 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 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.	30
	• 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?	18, 20
	• 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.	-
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.	-

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