LG
Convertible-Type Air Conditioner
OWNER'S MANUAL

Please read through this manual. It contains valuable information about your air conditioner. This manual may help save time and money by explaining proper product maintenance and preventing improper use.

Pay close attention to precautions in order to prevent potential hazards and damage from misuse or improper installation. LG is not responsible for any damages caused by misuse of the product.

Prior to installation, thi[illegible]onditioning unit must be submitt[illegible] approval by the utility service wh[illegible]vides electricity (EN 61000-3-[illegible]

TABLE OF CONTENTS

a. Remote control operations
b. Preparation before operation
c. Operation mode selection button
d. Additional features



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 _____

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.*

CAUTION

- *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.*
- *Installation work must be performed in accordance with the national wiring standards by authorized personnel only.*

To prevent injury and property damage, follow these instructions.

⚠ Incorrect operation due to ignoring instructions will cause harm or damage, the seriousness of which is indicated by the following symbols.

⚠	**WARNING** This symbol shows the possibility of death or serious injury.
⚠	**CAUTION** This symbol indicates the possibility of injury or damage to property.

⃠	***Never Do This***
❗	***Always Do This***

■ The following items are classified by these symbols.

⚠ WARNING



- Otherwise, it will cause electric shock or fire due to heat generation or electric shock.



- It will cause electric shock or fire due to heat generation.



- It will cause electric shock or fire.
- In the supply cord is damaged, it mut be replaced by the manufacturer or its service agent or a similarly quallfied person in order to avoid a hazard.(Y Attachment)



- It will cause electric shock or fire due to heat generation.



- It may cause electric shock.



- This could damage your health.



- No grounding may cause electric shock.



- It may cause failure of machine or electric shock.



- No installation may cause fire and electric shock accident.



- It may cause fire and electric shock accident.



- It may cause fire and electric shock.



- It may cause electric shock.



- It may cause fire.



- It may cause fire and electric shock.



- It may cause an explosion or fire.

⚠ WARNING



• It may cause explosion, fire and, burn.



• It may cause failure and electric shock.

⚠ CAUTION



• They are sharp and may cause injury.



• Water may enter the unit and degrade the insulation. It may cause an electric shock.



• An oxygen shortage may occur.



• Since the fan rotates at high speed during operation, it may cause injury.



• This could injure the pet or plant.



• It may cause damage of animals or vegetables or loss of property.



• Operation with windows opened may cause wetting of indoor and soaking of household furniture.



• It may cause electric shock and damage.



• It may cause failure of product or fire.



• It may cause failure of appliance or accident.



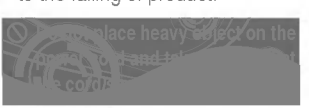
• If leaving appliance damaged, there is concern of damage due to the falling of product.



• Operation without filters may cause failure.



• Appearance may be deteriorated due to change of product color or scratching of its surface.



• There is danger of fire or electric shock.



• It contains contaminants and will make you sick.





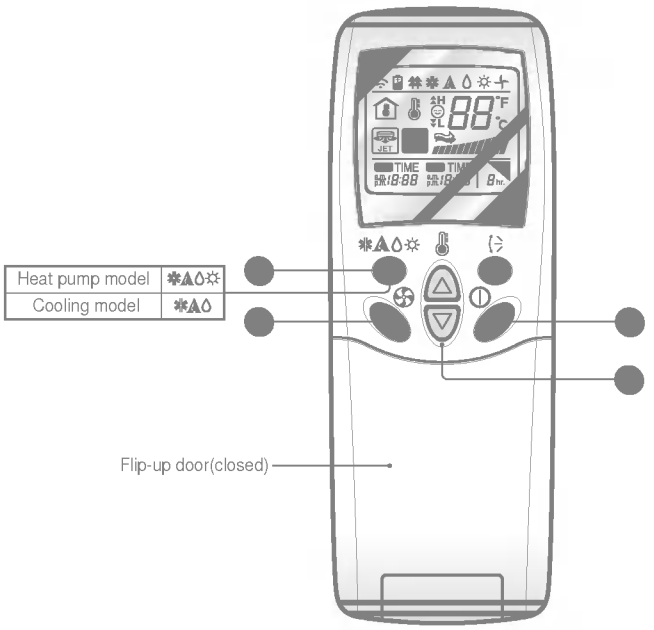
- Contact an installation specialist for installation.
- Plug in the power plug properly.
- Do not use a damaged or non-standard power cord. Only power cords supplied by LG or its counterparts should be used.
- Do not share the same outlet with other appliances
- Do not use an extension cord.
- Do not start/stop operation by plugging/unplugging the power cord.

- 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.
- Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Usage in such a manner could harm such property.

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- 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.

For repair and maintenance, contact your authorized service dealer.

The Remote Control transmits the signals to the system.



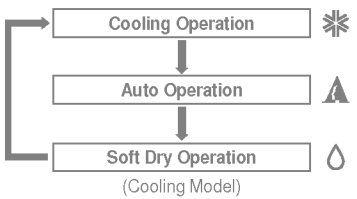
START/STOP BUTTON
Operation starts when this button is pressed and stops when the button is pressed again.

ROOM TEMPERATURE SETTING BUTTONS
Used to select the room temperature.

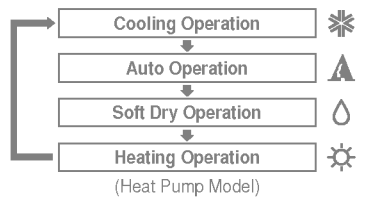
OPERATION MODE SELECTION BUTTON
Used to select the operation mode.

INDOOR FAN SPEED SELECTOR
Used to select fan speed in four steps-low, medium, high, or CHAOS.

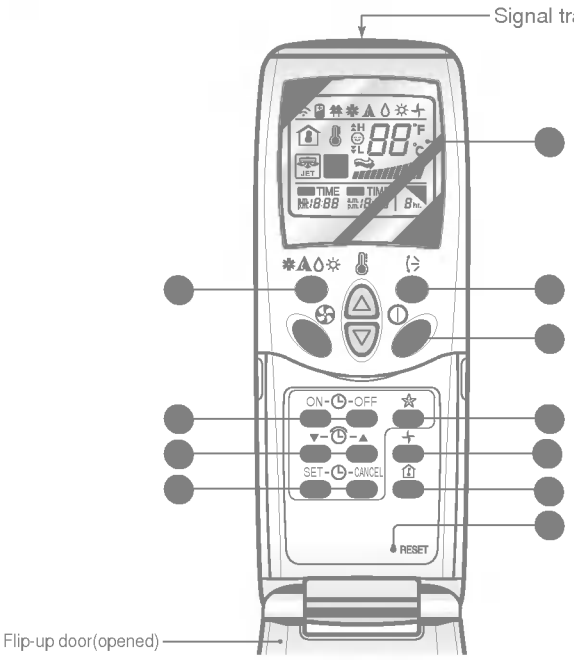
■ *Operation Mode*



(Cooling Model)



(Heat Pump Model)



OPERATION DISPLAY
Displays the operation conditions.

START/STOP BUTTON
Operation starts when this button is pressed and stops when the button is pressed again.

OPERATION MODE SELECTION BUTTON
Used to select the operation mode.

ON/OFF TIMER BUTTONS
Used to set the time of starting and stopping operation.

TIME SETTING BUTTONS
Used to adjust the time.

TIMER SET/CANCEL BUTTONS
Used to set the timer when the desired time is obtained and to cancel the Timer operation.

AIR FLOW DIRECTION START/STOP BUTTON
Used to stop or start louver movement and set the desired up/down airflow direction.

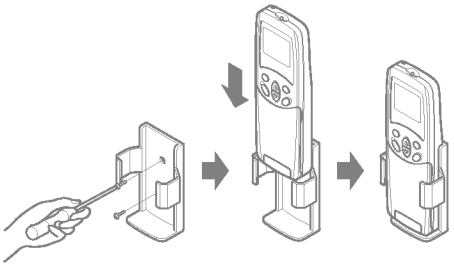
SLEEP MODE AUTO BUTTON
Used to set Sleep Mode Auto operation.

AIR CIRCULATION BUTTON
Used to circulate the room air without cooling or heating (turns indoor fan on/off).

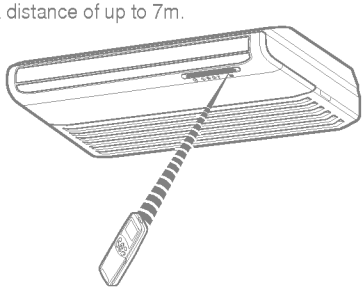
ROOM TEMPERATURE CHECKING BUTTON
Used to check the room temperature.

RESET BUTTON
Used prior to resetting time or after replacing batteries.

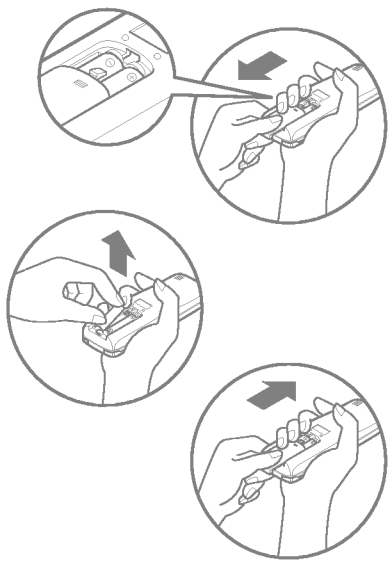
- The remote control may be stored mounted on a wall.



- To operate the room air conditioner, aim the remote control at the signal receptor.
- The remote control will operate the air conditioner at a distance of up to 7m.

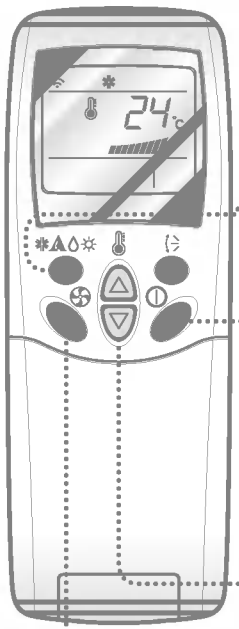


1. Remove the battery cover by pulling it according to the arrow direction.
2. Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
3. Reattach the cover by sliding it back into position.



NOTE:

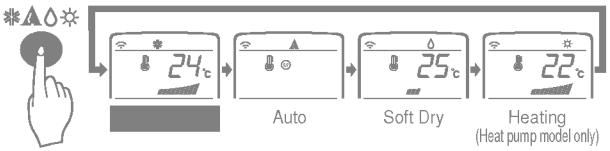
- Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.
- Remove the batteries from the remote control if the system is not going to be used for a long time.



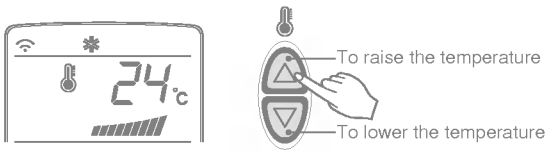
1 Press the Start/Stop button.
The unit will respond with a beep.



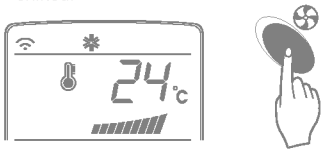
2 To select **Cooling Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.

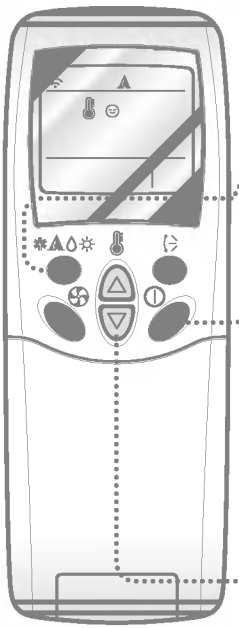


3 Set the temperature lower than the room temperature. The temperature can be set within a range of 18℃~30℃ in 1℃ increments.



4 You can select the fan speed in four steps-low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.

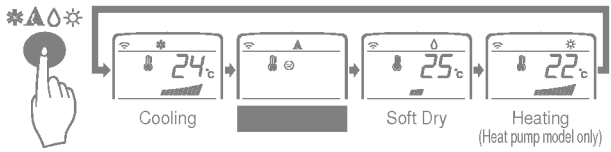




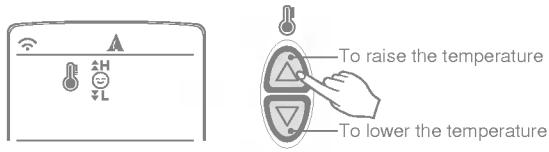
1 Press the Start/Stop button.
The unit will respond with a beep.



2 To select **Auto Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.

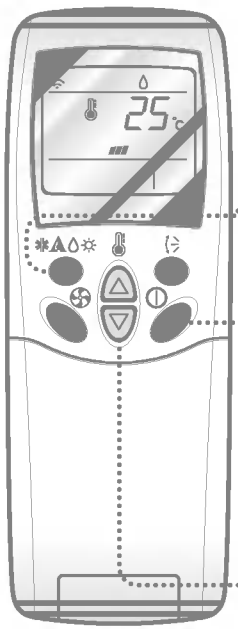


3 The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature. If you want to change the set temperature, close the door on the remote control and press the Room Temperature Setting buttons. The cooler or warmer you feel, the more times (up to two times) you should press the button. The set temperature will then be changed automatically.



During Auto Operation:

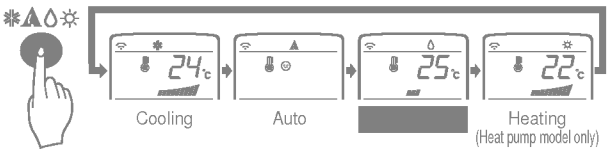
- ❑ You cannot switch the indoor fan speed. It has already been set by the Fuzzy rule.
- ❑ If the system is not operating as desired, manually switch to another mode. The system will not automatically switch from the cooling mode to the heating mode, or from heating to cooling, it must be done by manually resetting.
- ❑ During Auto Operation, pressing the chaos swing button makes the horizontal louvers swing up and down automatically. If you want to stop auto-swing, press the chaos swing button again.



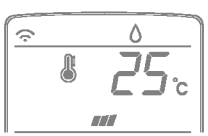
1 Press the Start/Stop button.
The unit will respond with a beep.

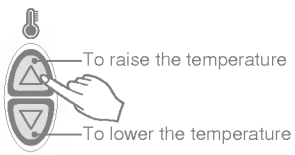


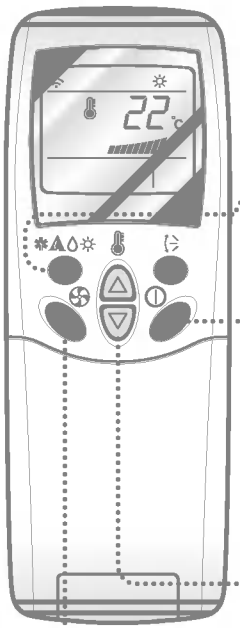
2 To select **Soft Dry** operation, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Set the temperature lower than the room temperature. The temperature can be set within a range of 18℃~30℃ in 1℃ increments.



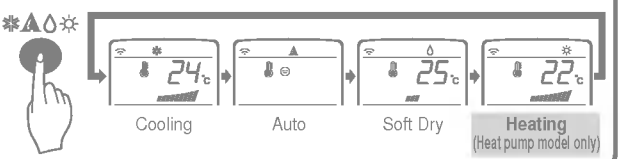




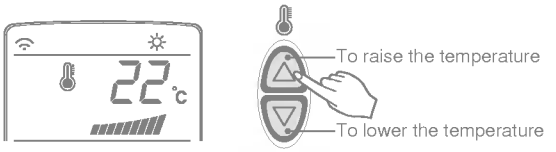
1 Press the Start/Stop button.
The unit will respond with a beep.



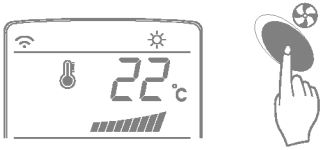
2 To select **Heating** operation, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Set the temperature higher than the room temperature.
The temperature can be set within a range of 16℃~30℃ in 1℃ increments.



4 You can select the fan speed in four steps–low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



Sleep Mode Auto Operation

- Press the Sleep Mode Auto button to set the time you want the unit to turn off 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 times. To alter the time period in steps of 1 hour, press the Sleep Mode Button while aiming at air conditioner.
- Make sure the Sleep Mode Auto LED lights up.

To cancel the Sleep Mode, press the sleep Mode Auto button several times until the star (☆) disappears from the operation display.

Note: *The Sleep Mode will be operated at low fan speed (cooling) or medium fan speed (heat pump only) for quiet sleeping.*

IN COOLING MODE: The temperature will automatically rise by 1℃ over the next 30 minutes and by 2℃ in 1 hour for comfortable sleeping.

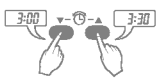
Time Setting

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 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.*

Timer Operation

- Make sure the time is set correctly on the remote control display.
- Press the ON/OFF Timer buttons to turn Timer on or off.



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



- Press the selected on/off setting by pressing the Timer SET button while aiming the remote control at the signal receptor.



To cancel the setting the timer.



Press the Timer Cancel button while aiming remote control at the signal receptor.

(The timer lamp on the air conditioner and the display will go out.)

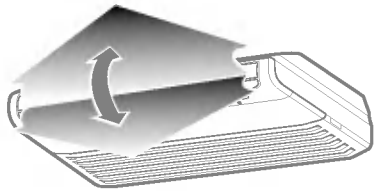
NOTE*: Select one of the following four types of operation.*

With the unit running



Delay OFF Timer | Delay ON Timer | Delay OFFand ON Timer | Delay ONand OFF Timer

- The up/down airflow (Vertical Airflow) can be adjusted by using the remote control.



- Press the Start/Stop button to start the unit.

- Press Chaos Swing button and the louvers will swing up and down. Press the Chaos Swing button again to set the vertical louver at the desired airflow direction.



Note:

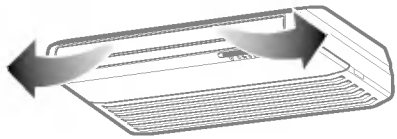
❑ Always use the remote control to adjust the up/down airflow direction. Manually moving the vertical airflow direction louver by hand could damage the air conditioner.

❑ When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

To adjust left/right(Horizontal Airflow) direction

Caution : *Ensure unit is turned off before adjusting the horizontal airflow direction control. Carefully open vertical louver to allow access to the horizontal airflow direction.*

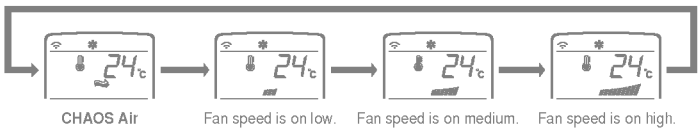
Adjust the left/right airflow direction by hand.



Circulates the room air without cooling or heating.

- Press the Start/Stop button. the unit will respond with a beep.
- Press the Air Circulation button. Now each time that you press the Indoor Fan Speed Selector, the fan speed is shifted from low to CHAOS and back to low again.



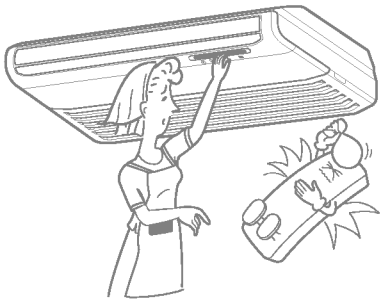


Note:

❑ The fan speed of the indoor unit will automatically cycle depending on the room temperature.

❑ **CHAOS Air** economizes power consumption and prevents overcooling. The fan speed is automatically changed from medium to low or vice versa, depending on the ambient temperature.

- Operation procedures when the remote control can't be used.
- Press the Forced Operation button.
- If you want to stop operation, press again.
- When started, the operation conditions are automatically set as follows:
- During Forced Operation, the initial mode continues.



	Cooling Model	Heat pump Model		
		Room Temp. ≥ 24°C	21°C≤ Room Temp. < 24°C	Room Temp. < 21°C
Operating mode	Cooling	Cooling	Soft Dry	Heating
Indoor FAN Speed	High	High	Soft Dry Rule	High
Setting Temperature	22℃	22℃	Air Intake Temperature	24℃

In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.

In case the air conditioner does not receive any signal from the remote control, it will turn off automatically after 7 hours.

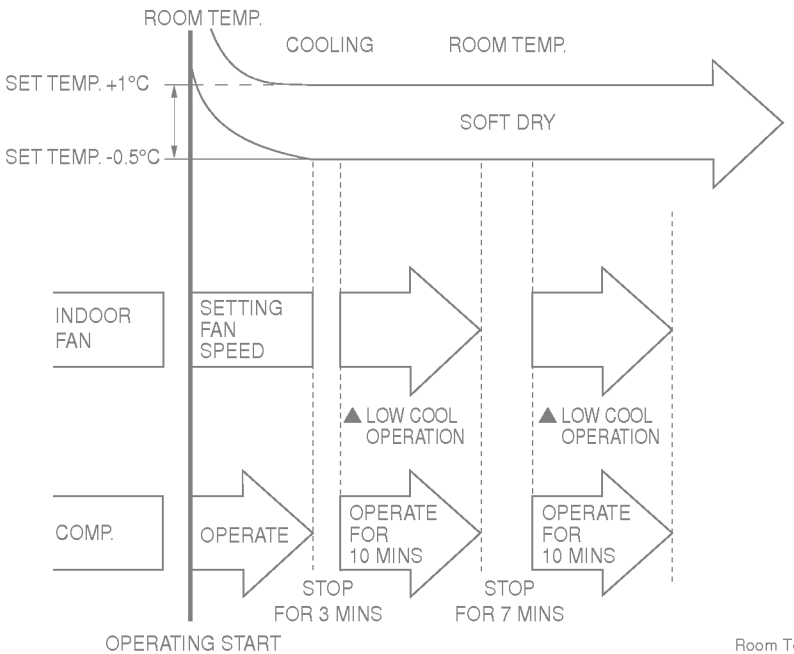
Once the front grille is opened for cleaning of the air filters or other reasons, the unit automatically stops operation for safety: In some 60 Hz models (for cooling only), all memorized functions such as operation mode, room temperature setting, operation start & stop by timer setting, etc. shall be erased.

To restart the unit, close the front grille and press the Start/Stop button on the remote controller. If necessary, please reset the reservation functions like operation start & stop and room temperature setting.

Soft Dry Operation Mode (Refer to page 11)

When the room temperature is higher than the set temperature, it operates in cooling mode at the set temperature, the set fan speed (if CHAOS mode, then medium.), and then it will be in automatically switched to Soft Dry Mode when the room temperature reaches the set temperature.

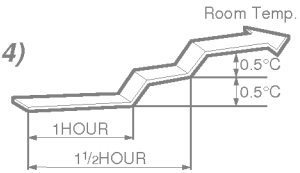
In Soft Dry Operation, the indoor fan speed is automatically switched to the low.



Natural wind by the CHAOS logic (Refer to page 14)



For more fresh feeling than other fan speed, press the Indoor Fan Speed Selector and set to CHAOS mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the CHAOS logic.



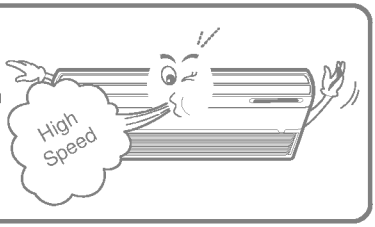
CHAOS MODE OPERATION

Helpful information

Fan speed and cooling capacity.

The cooling capacity indicated in the specification is the value when the fan speed is set to high, and the capacity will be lower at low or medium fan speed.

High fan speed is recommended when you wish to cool the room quickly.

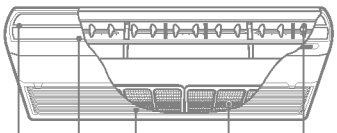


CAUTION: *Before performing any maintenance, turn off the main power to the system.*

Grille, Case, and Remote Control

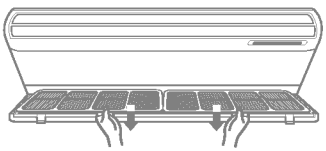
❑ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

Note: *Supply power must be disconnected before cleaning the indoor unit.*



Air 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:

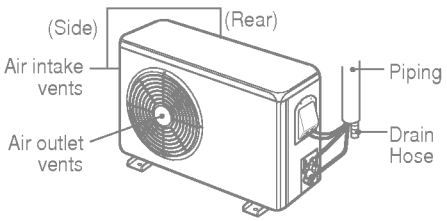
- Water hotter than 40℃
  Could cause deformation and/or discoloration.
- Volatile substances
  Could damage the surfaces of the air conditioner.



- Lift the front access panel and pull the filter tab slightly forward to remove the filter.
- Clean the filter with a vacuum or warm, soapy water.
  - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
  - If hot water (50℃ or more) is used, it may be deformed.
- After washing with water, dry well in the shade.
- Re-install the air filter.

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.*



When air conditioner is not going to

1 Operate the air conditioner on Air circulation mode (Refer to page 14) for 2 to 3 hours.

- This will dry out the internal parts.

2 Turn off the circuit breaker.

CAUTION

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

3 Remove the batteries from the remote control.

When the air conditioner is to

1 Clean the air filter and re-install it in the indoor unit.
(Refer to page 17 for cleaning filters.)

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

Do not overcool the room.	Keep blinds or curtains closed.	Keep the room temperature
This is not good for your health and wastes electricity.	Do not let direct sunshine enter the room when the air conditioner is in operation.	Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.
Make sure that the doors	**Clean the air filter regularly.**	**Ventilate the room**
Avoid opening doors and windows as much as possible to keep the cool air in the room.	Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.	Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

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

The air conditioner does not operate.	• Have you made a mistake in timer operation?	13
	• 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.	17
	• 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?	9, 12
	• 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?	8
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-

NOTE :
Water resistant: The outdoor side of this appliance is WATER RESISTANT.
The indoor side is not water resistant and should not be exposed to excess water.



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After reading this manual, keep it in a place easily accessible to the user for future reference.