

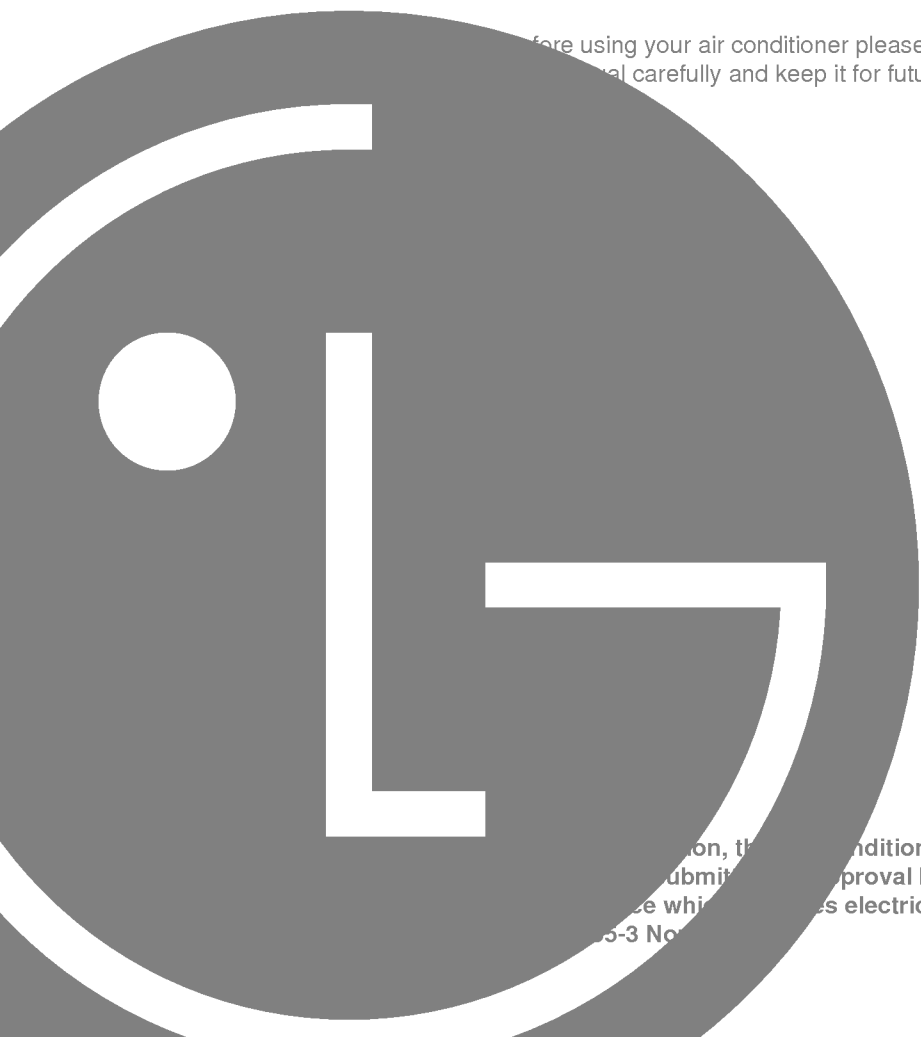


e-mail <http://www.lge.com>

ENGLISH

Room Air Conditioner (Convertible Type) **OWNER'S MANUAL**

Before using your air conditioner please read
this manual carefully and keep it for future



Before installation, the air conditioning
unit must be submitted for approval by the
local electric utility company which supplies electricity.
See page 5-3 for details.

Safety Precautions

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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 of 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 to properties only.


WARNING

- **Do not install, remove and re-install the unit by yourself.**
Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work.


WARNING



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



- It will cause electrical shock or fire.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.



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



- It will cause electrical shock.



- Since the fan rotates at high speed, this may cause an injury or damage the unit.



- This could damage your health.



- If the unit continues to operate in an abnormal condition, it may cause fire, damage, etc. In this case, consult your dealer.



- If this is done incorrectly, it may cause a fire, electric shock, injury by dropping of the unit, water leakage, etc. Consult your dealer.

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 infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.

⚠ CAUTION ⚠



- It may cause an injury.
- Should be disconnected from supply



- 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 an injury.



- This could injure the pet or plant.



- The unit may drop or fall down and cause an injury.



- It may cause a fire or deformation of the cabinet.



- It may affect combustion.



- It may cause an injury through dropping or falling down.



- It will cause an injury by the rotating blower.



- If not, dirt may collect and cause a fire.



- It may cause an injury, etc. by falling down.



- Do not use this air conditioner to preserve precision devices, food, animal, plants, and art objects. It may cause deterioration of quality, etc.



- In the cooling mode, if it is operated in a room with high humidity (80%RH or more) for a long time, water condensed in the air conditioner may drop and may wet and spoil furniture, etc.

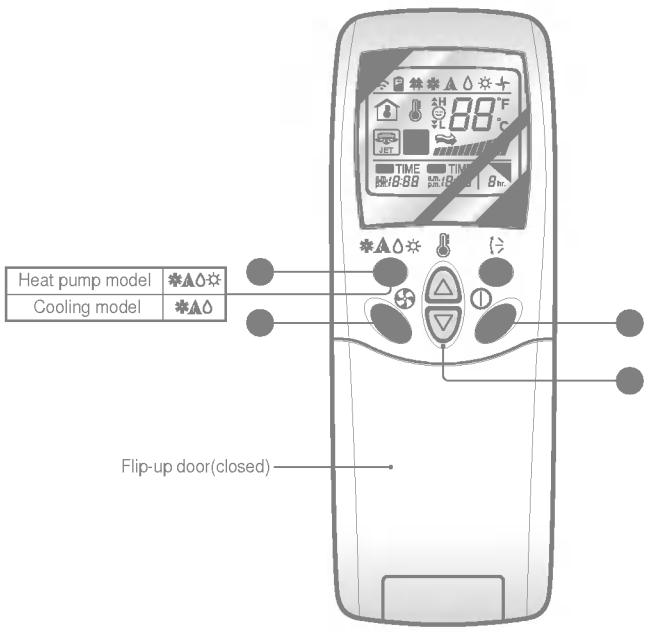


About the remote control on the system

The remote control transmits the signals to the system.



Features of the Remote Control- Door Close



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

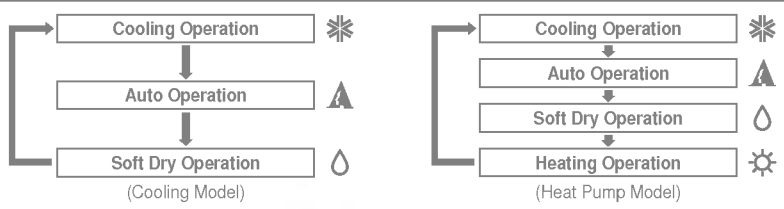
①
- **OPERATION MODE SELECTION BUTTON**
 Used to select the operation mode.

△○
- **ROOM TEMPERATURE SETTING BUTTONS**
 Used to select the room temperature.

②
- **INDOOR FAN SPEED SELECTOR**
 Used to select fan speed in four steps-low, medium, high, or CHAOS.

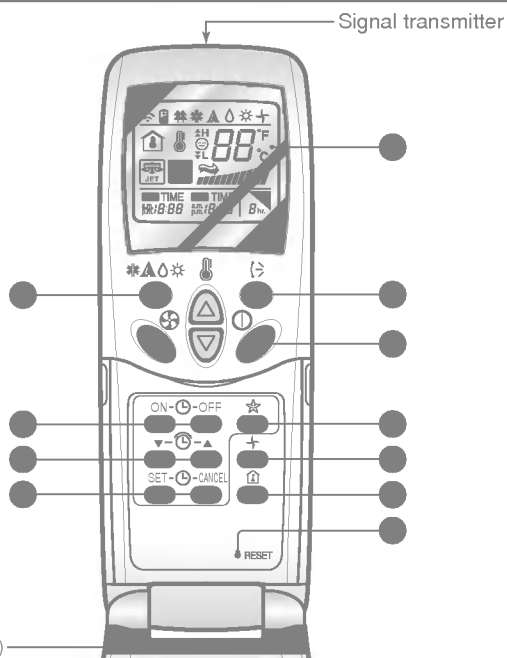
③

Operation Mode





Features of the Remote Control- Door Open



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

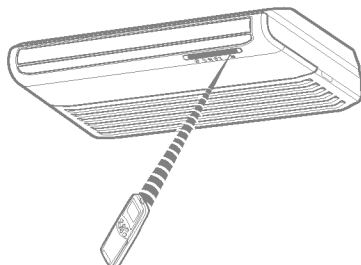
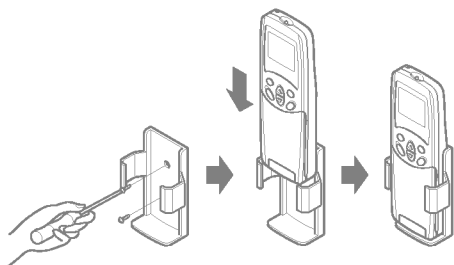
Used prior to resetting time or after replacing batteries.



Preparation before operation

Storage and Tips For Using the Remote Control

- 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.

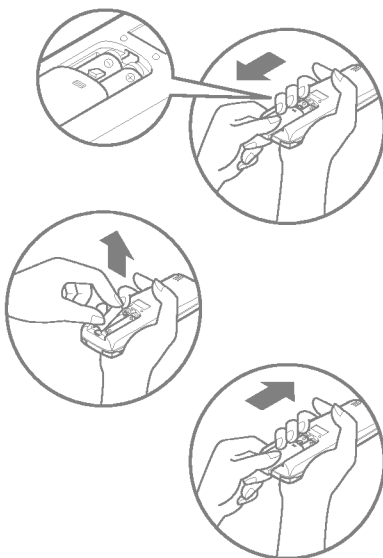


How to Insert the Batteries

- 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.

NOTES:

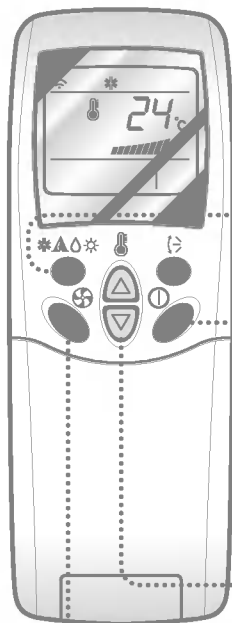
- Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.
- Remove the batteries from the remote control if the system is not going to be used for a long time.



How to use the Operation Mode Selection button



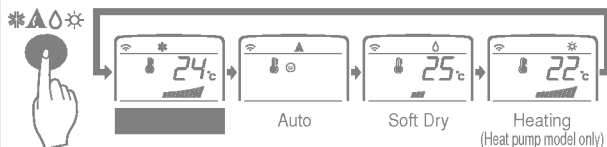
Cooling Operation



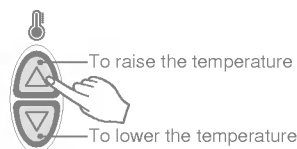
- 1 Press the Start/Stop button.
The unit will respond with a beep.



- 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°C~30°C in 1°C increments.

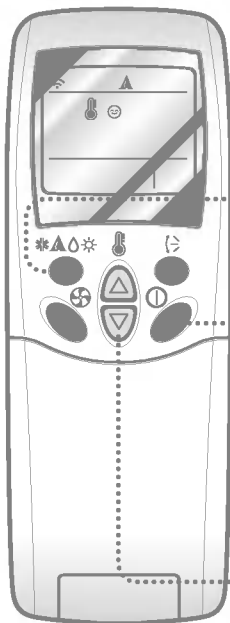


- 4 You can select the fan speed in four steps-low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.





Auto Operation



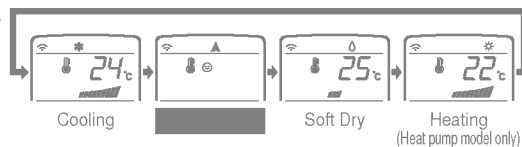
1

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.



To raise the temperature

To lower the temperature

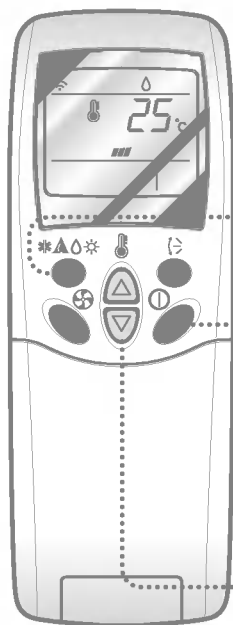
During Auto Operation:

- ❑ 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.





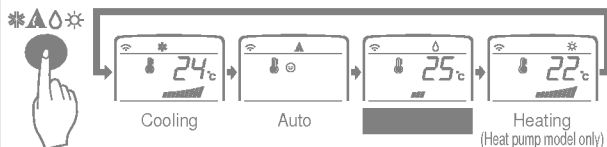
Soft Dry Operation



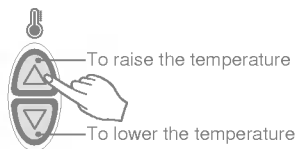
- 1 Press the Start/Stop button.
The unit will respond with a beep.



- 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.

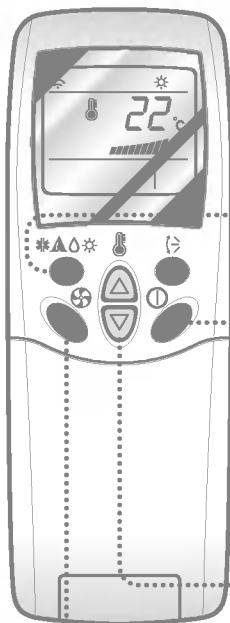


- 3 Set the temperature lower than the room temperature. The temperature can be set within a range of 18°C~30°C in 1°C increments.





Heating Operation(Heat pump model only)



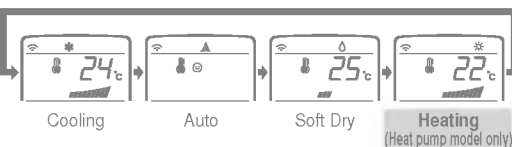
1

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°C~30°C in 1°C increments.



To raise the temperature

To lower the temperature

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.



Additional features



Sleep Mode

- 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 °C over the next 30 minutes and by 2 °C in 1 hour for comfortable sleeping.



Setting the Time

- 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.



Delay Start/Pre-Set Stop


- 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 OFF and ON Timer



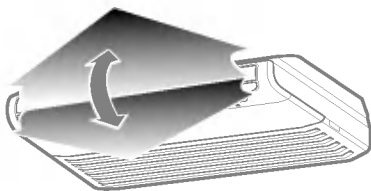
Delay ON and OFF Timer





Vertical Airflow Direction Control

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.



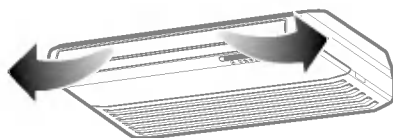
Note:

- ❑ 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.

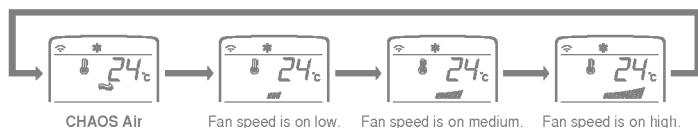
Adjust the left/right airflow direction by hand.



Air Circulation Mode

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.



FORCED OPERATION

FORCED OPERATION

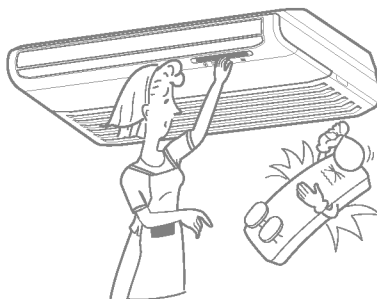
Operation procedures when the remote control can't be used.

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. $\geq 24^{\circ}\text{C}$	$21^{\circ}\text{C} \leq \text{Room Temp.} < 24^{\circ}\text{C}$	Room Temp. $< 21^{\circ}\text{C}$
Operating mode	Cooling	Cooling	Soft Dry	Heating
Indoor FAN Speed	High	High	Soft Dry Rule	High
Setting Temperature	22°C	22°C	Air Intake Temperature	24°C

AUTO RESTART

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.

When the front grille is opened:

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.

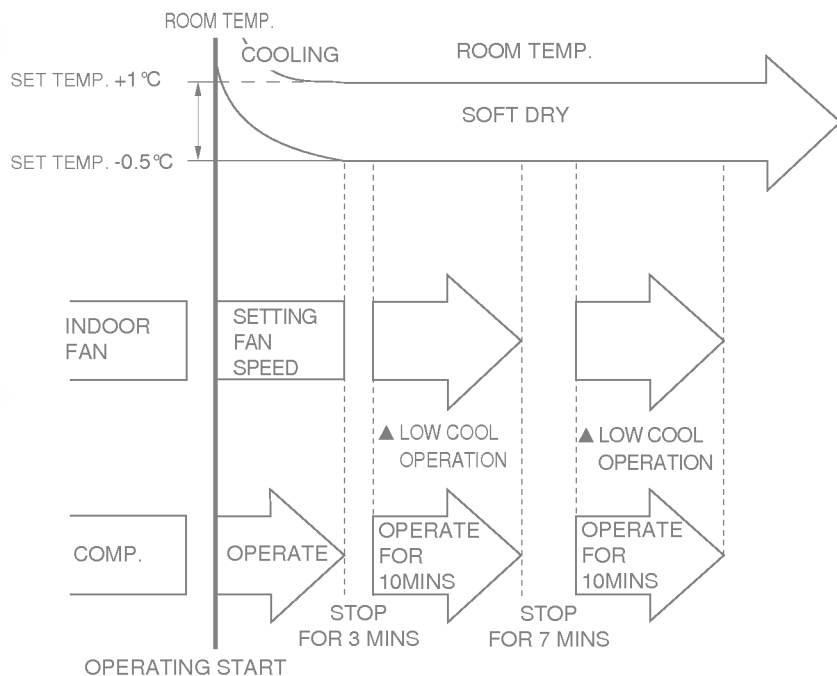


Operation Details

Soft Dry Operation Mode (Refer to page 9)

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.

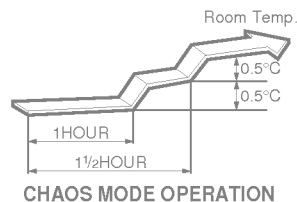
In Soft Dry Operation, the indoor fan speed is automatically switched to the low.



Natural wind by the CHAOS logic (Refer to page 12)



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.



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.



Care and maintenance of the air conditioner

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

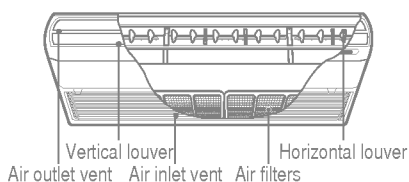
Indoor Unit

Grille, Case, and Remote Control

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

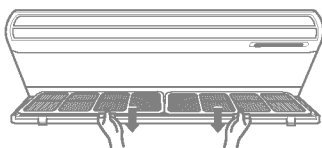
NOTE:

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 necessary.



- Never use any of the followings:

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



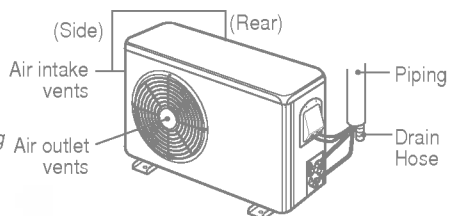
- Lift the front access panel and pull the filter tab slightly forward to remove the filter.
- Clean the filter with a vacuum or warm, soapy water.
 - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
 - If hot water (50 °C or more) is used, it may be deformed.
- After washing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

NOTE:

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



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

Operate the air conditioner on Air circulation mode (Refer to page 12) for 2 to 3 hours.

- This will dry out the internal parts.

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.

Remove the batteries from the remote control.

Clean the air filter and re-install it in the indoor unit.
(Refer to page 15 for cleaning filters.)

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

Operation Tips

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.

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.



Before you call for service...

?

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?	11
	• 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.	15
	• 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?	7, 10
	• 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?	6
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.



