

Room Air Conditioner OWNER'S MANUAL

- Please read carefully and thoroughly this manual before operating this unit.
- Contact the authorized SVC man for repair or maintenance of this unit.
- · Contact the installer for installation of this unit.
- The appliance 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 appliance.

Prior to installation, this air-conditioning unit must be submitted for approval by the utility service which provides electricity (EN 61000-3 Norm).

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.

ے WARNING کے

This symbol indicates the possibility of death or serious injury.

CAUTION >

This symbol indicates the possibility of injury or damage to properties only.

■ The items to be followed are classified by the following symbols.



Never Do This

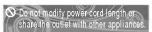


Always Do This

د WARNING رـ



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



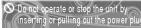
• It will cause electrical shock or fire due to heat generation.



- No grounding may cause electrical shock (See Installation Manual).
- Please take the power plug out if strange sound/smell comes out or smoke generates from the product
- It may cause fire and electrical shock accident.



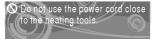
It may cause fire.



- It will cause electrical shock or fire due to heat generation.
- O Do not operate with wet hands or in damp environment.
- It may cause electrical shock.



- It may cause failure of machine or electrical shock.
- Never use the socket when it is damaged or loosed.
- It may cause fire and electrical shock.



 It may cause fire and electrical shock.

O Do not damage or use an unspecified power cord.

- 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.

O Do not direct airflow at room occupants only.

- This could damage your health.
- Always install air leakage breaker and a dedicated switching board.
- No installation may cause fire and electrical shock accident.
- O Do not open the entrance during operation.
- It may cause electrical shock.
- Do not use the power cord near inflammable gas and ignifable substance (benzene, gasoline, thinner etc).
- · It may cause an explosion or fire.

ــد WARNING کے د

Open the window for ventilation before operating air conditioner or remote control when gas goes out.

O Do not disassemble or modify products randomly.

• It may cause explosion, fire and burn.

• It may cause failure and electrical shock.

ح CAUTION م.

Never touch the metal parts of the unit when removing the filter.

- It may cause an injury.
- When cleaning the unit first make sure the power and breaker are turned off.
- Since the fan rotates at high speed during operation, it may cause an injury.
- U Stop operation and close the window in storm or typhoon.
- Operation with windows opened may cause wetting of indoor and soaking of household furniture.
- O Do not place obstacles around the absorption inlet o blowing-out inlet.
- It may cause failure of appliance or accident.
- O Do not use strong detergent such as wax or thinner but use a soft cloth.
- Appearance may be deteriorated due to change of product color or scratching of its surface.

- O Do not clean the air conditioner with water.
- Water may enter the unit and degrade the insulation. It may cause an electric shock.
- On not put a pet or house plant where it will be exposed to direct air flow.
- This could injure the pet or plant.
- Catch and take out the head of the power-plug when taking it out.
- It may cause electrical shock and damage.
- Ensure that an install ation console of the outdoor appliance is not damaged due to the use for a long time.
- If leaving appliance damaged, there is concern of damage due to the falling of product.
- O Do not place heavy object on the power cord and take care so that the cord should not be pressed.
- There is danger of fire or electrical shock.

- Ventilate well when used together with a stove, etc.
- An oxygen shortage may occur.
- Do not use appliance for special purpose such as animals or vegetables, precision machine or conservation of art articles.
- It may cause damage of animals or vegetables or loss of property.
- Pull down the main power switch when not using it for a long time.
- It may cause failure of product or fire.
- Always securely insert and use filters and clean it once a week.
- Operation without filters may cause failure.
- O Do not have water drained from air conditioner.
- It may cause a stomach disorder.

- In case of taking out a cell used in appliance, take care so that the children should not eat carelessly. Place the cell at such a place so that children do not touch it.
- If children found eating it, immediately consult with doctor.

• Where water etc enters into products, furn the power switch of the main body of appliance off. After taking the power-plug out from the socket, contact with the service center.

Preparation before operation

How to Insert the Batteries

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

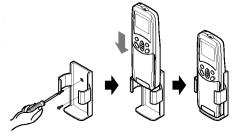
NOTES:

· Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries



Storage and Tips For Using the Remote Control

- · The remote control may be stored by mounting it on a wall.
- . To operate the room air conditioner, aim the remote control at the signal receptor.





Signal receptor

Operation indication lamps

Signal Receptor

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

Operation Indication Lamps

(1)On/Off : Lights up during the system operation.

Sleep Mode : Lights up during Sleep Mode Auto operation.

Timer : Lights up during Timer operation.

> Defrost Mode : Lights up during Defrost Mode or Hot Start operation (Heat pump model only)

OUT OUTDOOR UNIT: Lights up during outdoor unit operation. DOOR **OPERATION** (Cooling model only)

: Indicates the setting temperature and the Power Display (Inverter only) operating frequency of compressor.(5 steps)

Plasma : The function illustrates its dynamic mode by using a multiple lighting system.









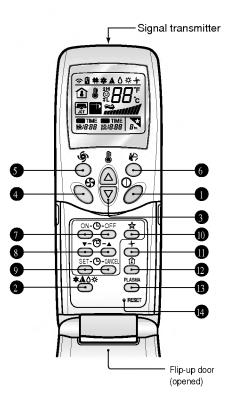


About the remote control on the system

The remote control transmits the signals to the system.



Features of the Remote Control- Door Opened



START/STOP BUTTON Operation starts when this button is

pressed again.

OPERATION MODE SELECTION BUTTON

Used to select the operation mode.

ROOM TEMPERATURE SETTING BUTTONS Used to select the room temperature.

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

JET COOL Used to start or stop the speed cooling. (Speed cooling operates super high fan speed in cooling mode.)

CHAOS SWING BUTTON Used to stop or start louver movement and set the desired up/down airflow direction.

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

TIME SETTING BUTTONS Used to adjust the time. (See page 12)

TIMER SET/CANCEL BUTTONS Used to set the timer when the desired time is obtained and to cancel the Timer operation. (See page 12)

SLEEP MODE AUTO BUTTON Used to set Sleep Mode Auto operation. (See page 12)

AIR CIRCULATION BUTTON Used to circulate the room air without cooling or heating. (See page 13)

ROOM TEMPERATURE CHECKING BUTTON Used to check the room temperature.

PLASMA(OPTION) Used to start or stop the plasmapurification function. (See page 11)

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

pressed and stops when the button is



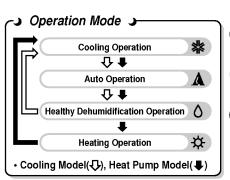












How to use the Operation Mode Selection button



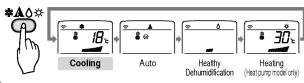
Cooling Operation

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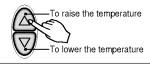
Press the Start/Stop button. 1 The unit will respond with a beep.



Open the door on the remote control. 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.



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



Set the fan speed again with the door 4 of the remote control still closed. You can select the fan speed in four stepslow, medium, high and CHAOS. Each time the button is pressed, the fan speed mode is shifted.



Natural wind by the CHAOS logic

□ 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.

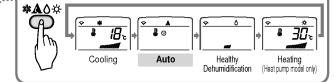


Auto Operation

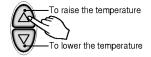
Press the Start/Stop button.
The unit will respond with a beep.



Open the door on the remote control. 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.



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 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 mode to cooling mode, 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.

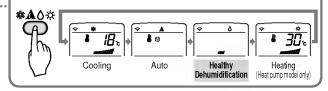


Healthy Dehumidification Operation

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



Open the door on the remote control. To select Healthy **Dehumidification Operation**, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



Set the fan speed again with the door 3 of the remote control still closed. You can select the fan speed in four stepslow, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



Natural wind by the CHAOS logic

☐ 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.

During Healthy Dehumidification Operation:

☐ If you select the dehumidification mode on the operation selection button, the A/C starts to run the dehumidification function. It automatically sets the room temp, and airflow volume to the best condition for dehumidification, based on the sensed current room temp.

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

☐ During the healthy dehumidification function, the airflow volume is automatically set according to the optimization algorithm responding to the current room temp. status which makes the room condition healthy and comfortable even in the high humidity season.

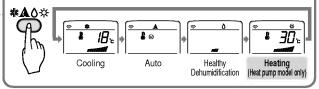


Heating Operation(Heat pump model only)

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



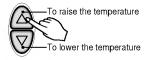
Open the door on the remote control. To select **Heating Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



Glose the door on the remote control.

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.



Set the fan speed again with the door of the remote control still closed. You can select the fan speed in four steps-low, medium, high and CHAOS. Each time the button is pressed, the fan speed mode is shifted.



Natural wind by the CHAOS logic

☐ 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.



Jet Cool Operation

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



Press the Jet Cool button to operate the speed cooling mode and the unit will operate in super high fan speed on cooling mode for 30 minutes.



To cancel the Jet Cool mode, press the Jet Cool button or 3 the fan speed button or the room temperature setting button again and the unit will operate in high fan speed on cooling mode.







NOTE:

- ☐ During the JET COOL function at any moment, the A/C starts to blow the cool air at extremely high speed for 30 minutes setting the room temp, automatically to 18 °C. It is especially used to cool the room temp. in the shortest time in a hot summer. In heat pump mode or neuro fuzzy mode, however, the JET COOL function is not available.
- ☐ In order to return to the normal cooling mode from the JET COOL mode, you just press either the operation mode selection button, airflow volume selection or temp. setting button or the JET COOL button again.



PLASMA Purification Operation(Optional)

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



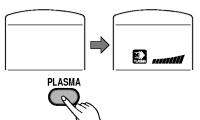
Open the door on the remote control.

Press the PLASMA air purifying
operation ON/OFF button.
Operation will start when the button is
pressed and stop when the button is
pressed again.



- Set the fan speed again with door of the remote control closed. 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.
 - * Air purifying operation (PLASMA) can be with cooling, Heating or any other operations.

PLASMA Air Purifying Operation only



If you press the only PLASMA button, only PLASMA air purifying operates.

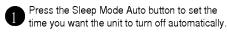
Then, fan speed is low. You can select the fan speed in four steps-low, medium, high or CHAOS.

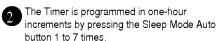
Each time the button () is pressed, the fan speed mode is shifed.

Additional features



Sleep Mode





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 Seep Mode will be operated at slow fan speed (cooling) or medium fan speed (heat pump only) for quiet sleeping.

IN COOLING MODE OR HEALTHY DEHUMIDIFICATION MODE:

The temperature will automatically rise by 1 ℃ 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 selected on/off setting by pressing the Timer SET button while aiming the remote control at the signal receptor.



To cancel the timer setting

with the unit running



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.)

Press the Time Setting

buttons until the desired

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



time is set.

TIME ··· 6:00

Delay ON Timer



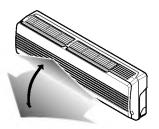
Delay OFF Timer

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.

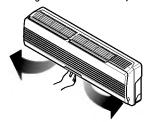
Press Chaos Swing button and the louvers will swing up and down. Press the Chaos Swing button again to set the vertical louver at the desired airflow direction.



- ☐ If you press the CHAOS swing button, the horizontal airflow direction is changed automatically based on the CHAOS algorithm to distribute the air in the room evenly and at the same time to make the human body feel most comfortable, as if enjoying a natural breeze.
- ☐ 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 that the 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.



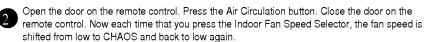


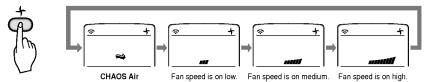


Air Circulation Mode

Circulates the room air without cooling or heating.

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





Note:

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

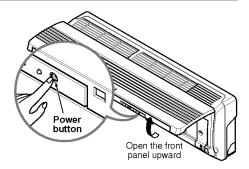


Forced Operation

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

The operation will be started if the power button is pressed.

If you want to stop operation, re-press the button.



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

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, open the front panel upward and Press the power button let it be pressed for about 3 seconds.

If you want to stop the operation, re-press the button.



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.

So there is no need of activating this function by pressing any key or button.

In the initial mode, the fan operates at a low speed and the compressor starts 2.5~3 minutes later.

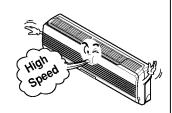
As the compressor starts, the fan speed also resumes its previous setting mode.

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.

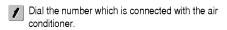


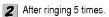


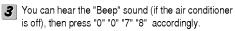
Telephone Control Operation(Optional)

Calling from outside, you can start the air conditioner to keep the room comfortable. Even though you went out with the air conditioner on, you can turn it off using the phone outside.





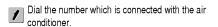


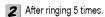


When using along with ARS telephone

- **2** OGM guide is provided after signal sound rings four times and then "Beep" (sounds from telephone itself) sounds so that outside recording can be done.
- Slowly press password "0" "0" "7" and "8" in order.
- With the sound "Beep, Beep" the air conditioner starts on
- **5** Hang up the phone.







You can hear the "Beep Beep" sound (if the air conditioner is on), then press "0" "0" "7" "9" accordingly.

When using along with ARS telephone

- OGM guide is provided after signal sound rings four times and then "Beep"(sounds from telephone itself) sounds so that outside recording can be done.
- Slowly press password "0" "0" "7" and "9" in order.
- With the sound "Beep---" the air conditioner is turned off.
- 5 Hang up the phone.

Note:

- ☐ This product works after telephone rings 5 times.
- ☐ If internal user picks up the phone before 5 rings, Telephone control function does not work.
- ☐ If user doesn't push the telephone button 25 seconds after beep, Telephone control function doesn't work.

When using along with ARS telephone

- The numbers of response bell should be adjusted to four times if pressing "Out-of-office" button or taking other action for automatic response.
- ☐ The recording time of OGM (Outgoing Message) should be less than approximately 15 seconds.
- ☐ If it is connected to key phone, it cannot be worked.

Care and maintenance of the air conditioner

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

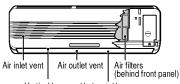
Indoor Unit

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:

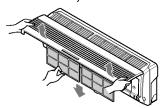
Supply power must be disconnected before deaning the indoor unit.



Vertical louver Horizontal louver

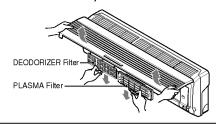
AIR FILTERS

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



PLASMA FILTER, DEODORIZER FILTER(OPTIONAL)

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





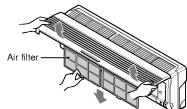
Don't touch this PLASMA Filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

☐ Never use any of the followings:

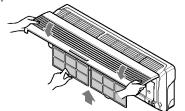
- Water hotter than 40 °C Could cause deformation and/or discoloration.
- Volatile substances
 Could damage the surfaces of the air conditioner.
- Lift the front access panel and pull the filter tab slightly forward to remove the filter.
- 2 Clean the filter with a vacuum cleaner or warm, soapy water.
 - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
 - If hot water (40 °C or more) is used, it may be deformed.
- After washing with water, dry well in the shade.
- Re-install the air filter.
- After removing the air filters, pull slightly forward to remove the PLASMA filter.
- 2 Dip the PLASMA filter into the water mixed with neutral detergent, for 20~30 minutes.
- 3 Dry the PLASMA filter in the shade for a day (Especially, the humidity must be removed perfectly on this parts).
- 4 Note the cuts of electric discharge lines.
- Re-install the PLASMA filter to the original position.
- After removing the air filters, pull slightly forward to remove the DEODORIZER filter.
- Dry in the sunlight for two hours.
- 3 Re-install the DEODORIZER filter to the original position.

Replacement of Purifying Filter(Option)

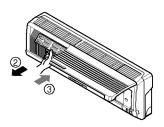
- · Recomended use period : About 2 years
- Open front panel and remove air filters.



Reinsert air filters and close front panel.



- 2 Remove air purifying filters.
- 3 Insert new air purifying filters.



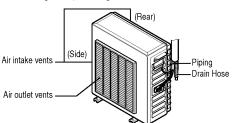


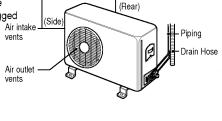
Outdoor Unit

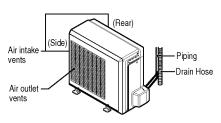
The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel Air i vents may be professionally steam cleaned.

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.

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



Operate the air conditioner on Air circulation mode (Refer to page 13) for 2 to 3 hours.

- This will dry out the internal mechanisms.

Turn off the circuit breaker, and disconnect the plua.



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.

When the air conditioner is to be used again.



Clean the air filter and install it in the indoor

(Refer to page 16 for cleaning filters.)



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

Operation Tips

Do not overcool the room.

This is not good for the health and wastes electricity.

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.

Keep blinds or curtains

Do not let direct sunshine enter the room when the air conditioner is in operation.

Clean the air filter regularly.

Blockages in the air filter reduces the airflow and lowers the cooling and dehumidifying effects. Clean at least once in every two weeks.

Keep the room temperature uniform.

Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.

Ventilate the room occasionally.

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	Have you made a mistake in timer operation?	12
operate.	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.	16
	Has the temperature been set incorrectly?	6, 9
	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?	4
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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