website http://www.lgservice.com

LG

ENGLISH

LG Floor Standing Air Conditioner

OWNER'S MANUAL

Prior to installation, this air-conditioning unit must be submitted for approval by the utility service which provides electricity (EN 61000-2, 61000-3 Norm).

IMPORTANT

- **Please read this owner's manual carefully and thoroughly before installing and operating Your 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.

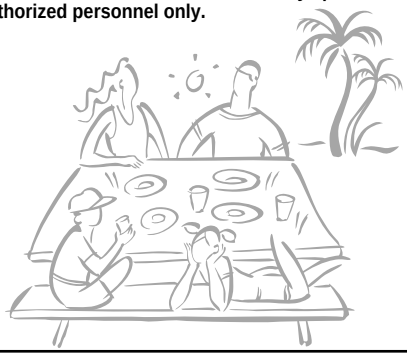
READ THIS MANUAL

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

ENGLISH

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.

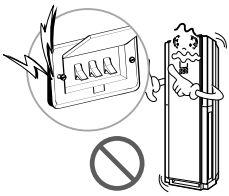
⃠	**Be sure not to do.**
!	**Be sure to follow the instruction.**

⚠WARNING

■ Installation

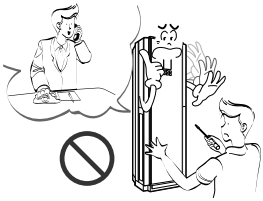
Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is risk of fire or electric shock.



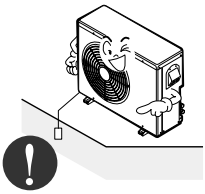
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

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



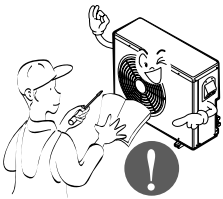
Always ground the product.

- There is risk of fire or electric shock.



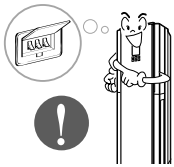
Install the panel and the cover of control box securely.

- 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

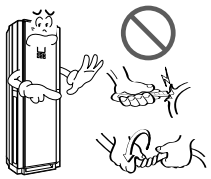


Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.

Do not modify or extend the power cable.

- There is risk of fire or electric shock.

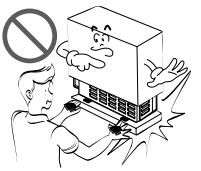


Do not install, remove, or re-install the unit by yourself (customer).

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

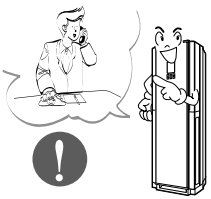
Be cautious when unpacking and installing the product.

- Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.



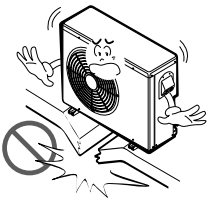
For installation, always contact the dealer or an Authorized Service Center.

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



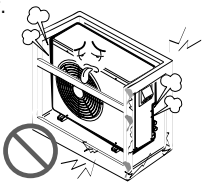
Do not install the product on a defective installation stand.

- 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.



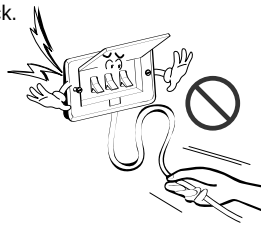
■ Operation

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.

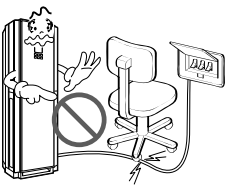
Take care to ensure that power cable could not be pulled out or damaged during operation.

- There is risk of fire or electric shock.



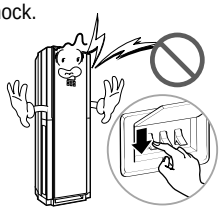
Do not place anything on the power cable.

- There is risk of fire or electric shock.



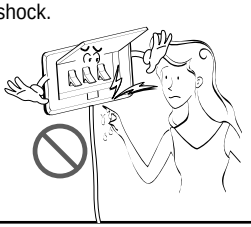
Do not plug or unplug the power supply plug during operation.

- There is risk of fire or electric shock.



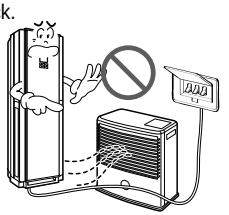
Do not touch(operate) the product with wet hands.

- There is risk of fire or electrical shock.



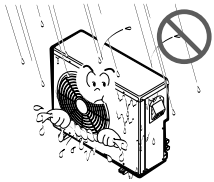
Do not place a heater or other appliances near the power cable.

- 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.

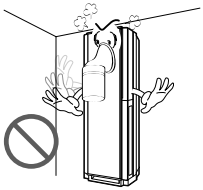


Do not store or use flammable gas or combustibles near the product.

- There is risk of fire or failure of product.

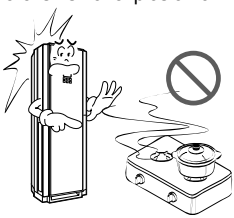
Do not use the product in a tightly closed space for a long time.

- 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

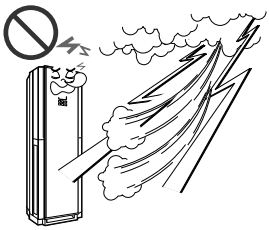


If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

- 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.

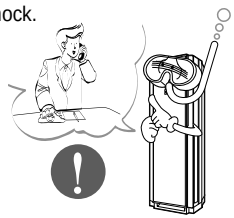


Do not open the inlet grill of the product during operation.
(Do not touch the electrostatic filter, if the unit is so equipped.)

- There is risk of physical injury, electric shock, or product failure.

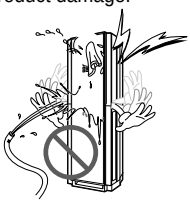
When the product is soaked (flooded or submerged), contact an Authorized Service Center.

- There is risk of fire or electric shock.



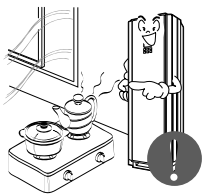
Be cautious that water could not enter the product.

- There is risk of fire, electric shock, or product damage.



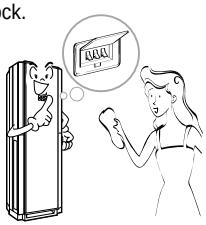
Ventilate the product from time to time when operating it together with a stove, etc.

- 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.

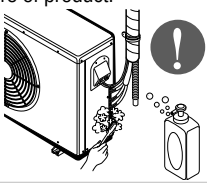
- This could result in personal injury and product damage.

⚠ CAUTION

■ Installation

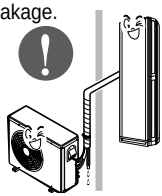
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



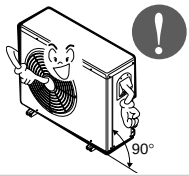
Install the drain hose to ensure that water is drained away properly.

- 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.

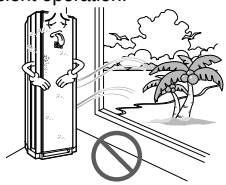
- It may cause a problem for your neighbors.

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.



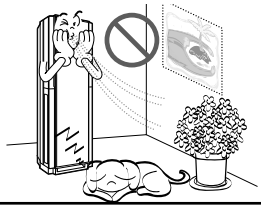
■ Operation

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.

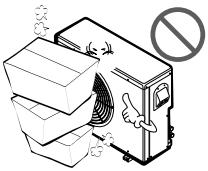
- There is risk of damage or loss of property.



ENGLISH

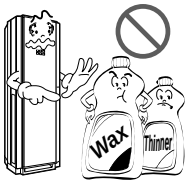
Do not block the inlet or outlet of air flow.

- 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!

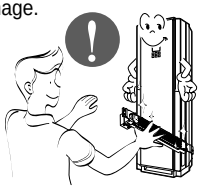
- There is risk of personal injury.

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

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

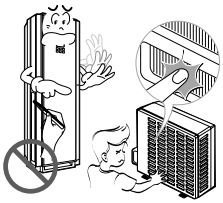
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

- 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.

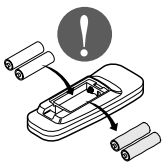
- It is not sanitary and could cause serious health issues.

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

- Be careful and avoid personal injury.

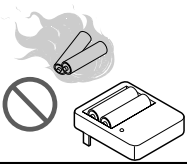
Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

- 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 a long time may be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for a long time.
2. Due to the possibility of oxygen deficiency, ventilate the room when using the appliance together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purpose (e.g. preserving precision devices, food, pets, plants, or art objects). Such use may damage your properties.

Cleaning and Maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injury can occur.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to 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 triggered 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 may cause harm to the air conditioner.

NOTICE **This symbol indicates special notes.**

Operating Instructions

Features and Specifications

ENGLISH

1. 3D Wide Airflow System
3D Wide Airflow makes clear a dead Zone to cool the indoor evenly within a Early time

2. Super Energy Efficiency
MPS(Multi Power System) Cycle Saves the energy by 1 & 2 Comp. Operation

3. Neo Plasma Air Purifying System
Neo Plasma Air Purifying system includes 14-level bio-enzyme filter System,featuring heath filter system and Clean Filter System

3. Art Cool Design

4. Self Cleaning function

5. Nano-sterilization Plasma Heat exchanger

6. Whisper quiet operation

7. 3 Fan Step Cooling,Heating Operation

8. 3 minutes Delay Circuit

9. Auto Changeover Operation(Heat Pump Model)
Auto Operation(Cooling Model)

10. Turbo-Z Operation

11. Low Ambient Operation

12. Auto Restart

13. Child Lock Function

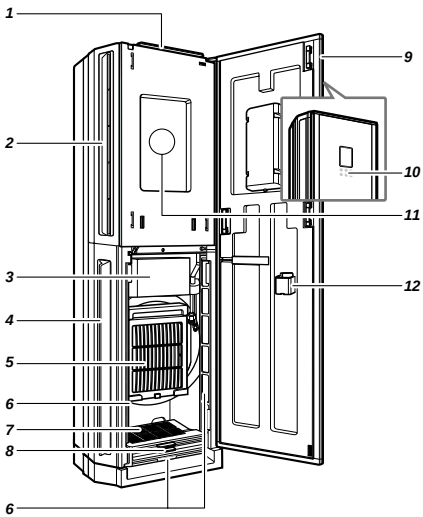
14. Heater Operation(LP-Z Model Only)

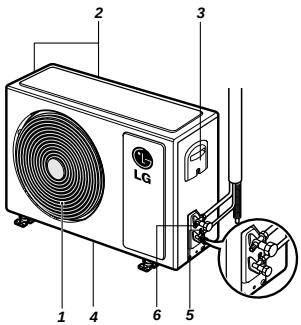
INDOOR UNIT

1. Top Vane (Outlet)
2. 2 Side Vane(Outlet)
3. Control Box
4. 2 Inlet Vane (Outlet)
5. Plasma Air Cleaner
6. Antivirus Filter
7. AI(Anti-Influenza) Filter
Bio-sterilization catalyst Filter
8. HEPA Filter, Nano-Carbon Filter
9. Front Door
10. Touch Panel(Control Part)
11. Nano-sterilization Plasma Heat Exchanger
12. Remote Controller Holder

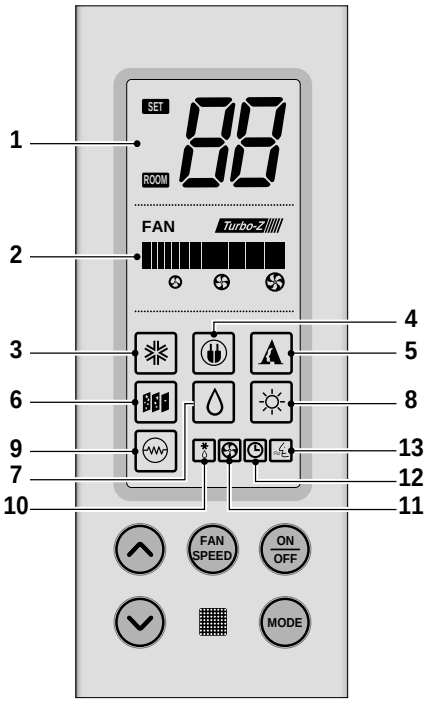
OUTDOOR UNIT

1. Air Outlet
2. Air Inlet(Rear Side)
3. Control Cover
4. Base Panel
5. Ground Terminal
6. Refrigerant Pipe Port





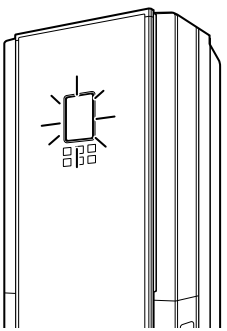
Indoor Unit Controls and Indicators



1. Room & Setting Temperature Display
2. Fan Speed Display
3. Cooling Operation Display
4. Energy Saving Display
5. Auto Changeover Operation Display (LP-Z, H Model)
   Auto Operation Display (LP-C Model)
6. Plasma Air Cleaner Operation Display
7. Soft Dry Operation Display
8. Heating Operation Display (LP-Z, H Model)
9. Electric Heater Operation Display (LP-Z Model Only)
10. Defrost Operation Display (LP-Z, H Model)
11. Outdoor Unit Operation Display
12. Off Timer Operation Display
13. Self Cleaning

NOTICE

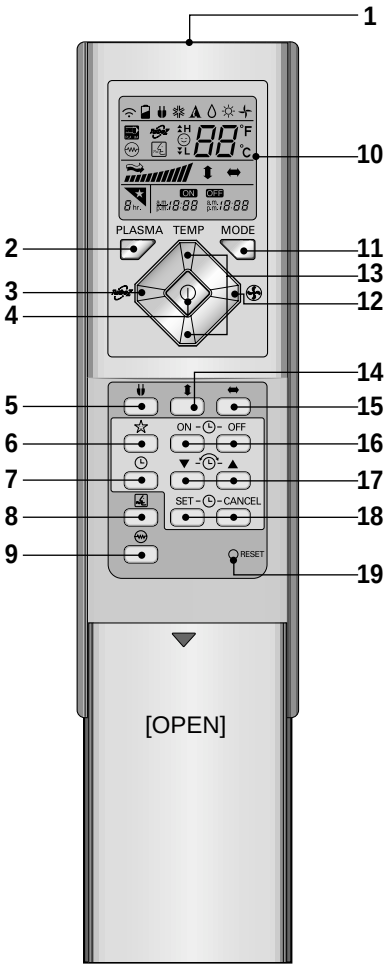
The function of this Manual would be explained with the help of display in Z model representatively which includes the cooling only and heating model.



Display light becomes faint after
10 seconds in controlling display

ENGLISH

Name and Function-Remote Control



1. Signal Transmitter
Transmits the signals to the Floor Standing Type air conditioner

2. Plasma Air cleaner Operation Button

3. Turbo-Z Cooling Operation Button

4. Power ON/OFF Button
Operation will start when this button is pressed,and stop when the button is pressed again.

5. Energy Saving Cooling Operation Button

6. Simple Off Timer Setting Button
Each time is pressed,the mode is changed in the Following process, Tim set (0,1,2,3,4,5,6,7 hrs)
If you select "0",Timer function will be canceled

7. Time Set Button
It shows current time and can be set

8. Self Cleaning Operation Button

9. Electric Heater On/Off Button (LP-Z Model Only)

10. Display Window

11. Mode Selection Button

12. Indoor Fan Speed Selection Button

13. Temperature Setting Button

14. Auto Airflow direction Control Button
The Top Vane swings up and down

15. Auto Airflow direction Control Button
The Side Vane swings left and right

16. On/Off Timer Button
Used to set the time of starting and stopping operation

17. Time Setting Button
Setting the Current Time and Setting Time

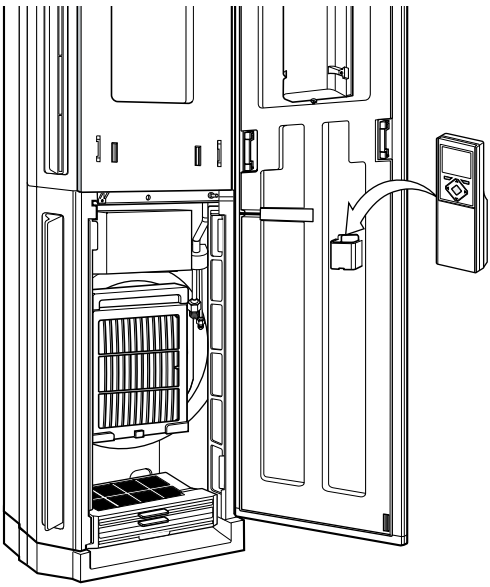
18. Timer Set/Cancel Button
Used to set the timer when the desired time is obtained and to cancel the timer operation

19. Reset Button
Used prior to resetting time or after replacing batteries.

Remote Control Preparation

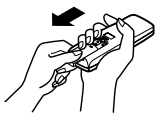
How to Keep the Remote Controller

• Keep the Remote Controller inside Front Door.

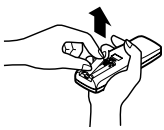


How to insert batteries

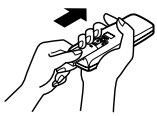
1. Remove the cover from the back of the remote controller.
   • Slide the cover according to the arrow direction.



2. Insert two batteries.
   • Be sure that the (+) and (-) directions are correct.
   • Be sure that both batteries are new.



3. Re-attach the cover.
   • Slide the cover into back position.



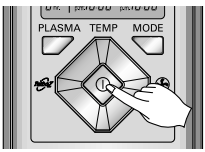
• Do not use rechargeable batteries such batteries as different from standard dry cells in shape, dimensions, and performance.

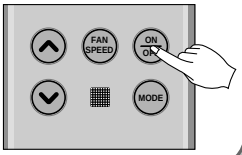
• Change the batteries with a new one if the remote control does not work properly after using for an extended length of time.

ENGLISH

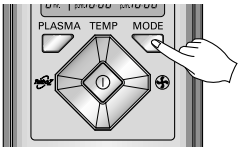
Cooling Operation Mode

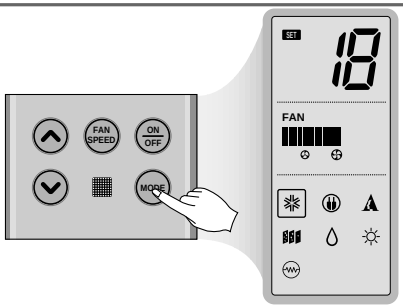
1 Press the on/off button.



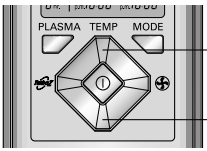


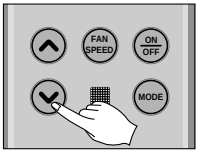
2 Press the Mode Button
Select the cooling operation Mode( )



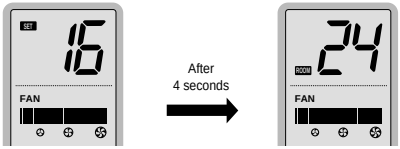


3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.

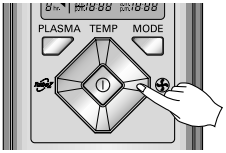


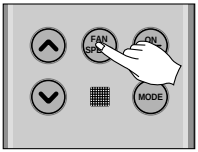


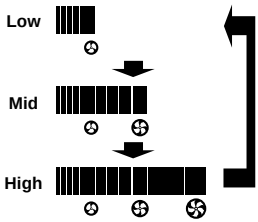
4 When you finish the temperature setting.



5 Set the Fan Speed.



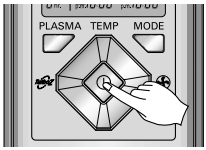


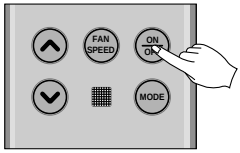


❑ Each time the Fan Speed Button is pressed (or fan speed key is touched), the Fan Speed mode is shifted in the arrow direction.

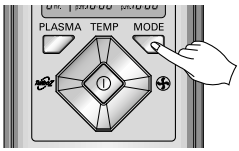
Auto Changeover Operation(LP-Z, H Model)

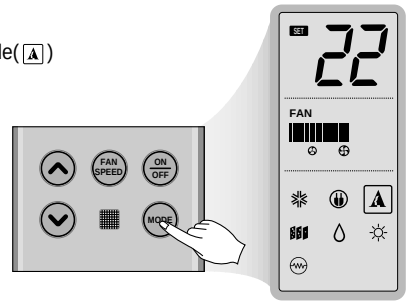
1 Press the on/off button.



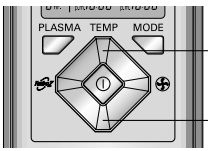


2 Press the Mode Button
Select the Auto Changeover Operation Mode(A)





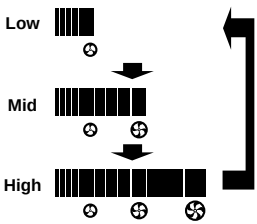
3 For cooling or heating operation set the desired indoor temperature by room temperature setting buttons.



To raise the temperature (When you feel too cool or cold)

To lower the temperature (When you feel too warm or hot)

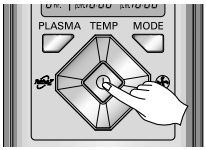
4 Set the fan speed by remote controller or display panel on front door.
Button is pressed, the Fan Speed mode is shifted.

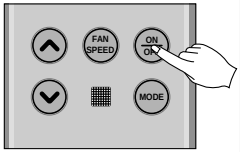


ENGLISH

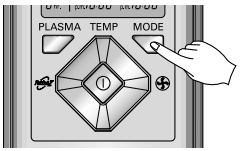
Auto Operation(LP-C Model)

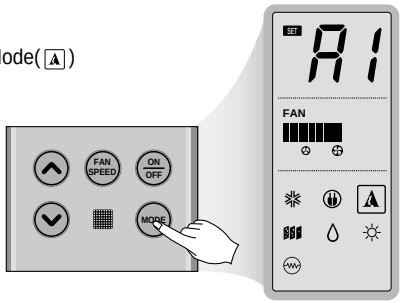
1 Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



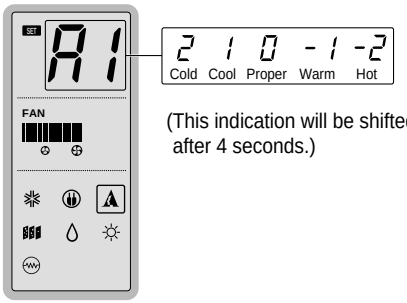


2 Press the Mode Button
Select the Artificial Intelligence Operation Mode(A)

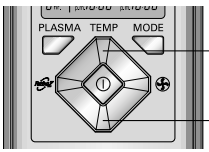




3 Set the temperature lower than the room temperature.
The temperature can be set within a range of - 2 ~ 2 by 1 level.



(This indication will be shifted to the initial Auto Mode Display state after 4 seconds.)



To raise the temperature (When you feel too cool or cold)

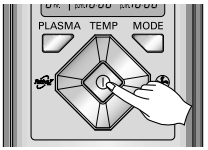
To lower the temperature (When you feel too warm or hot)

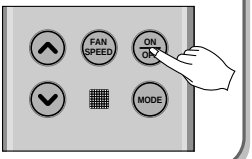
During Artificial Intelligence Operation

- The indoor fan speed is automatically set to low and can be set fan speed.

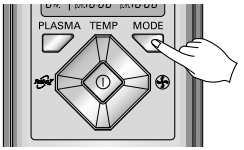
Soft Dry Operation

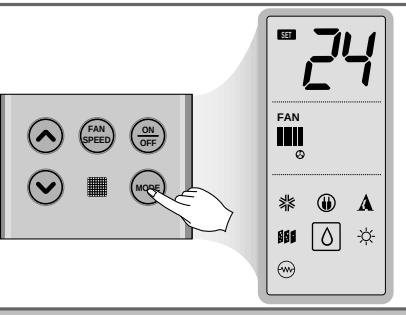
1 Press the on/off button.



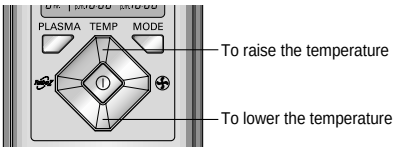


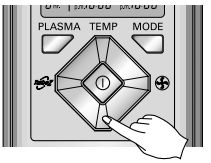
2 Press the Mode Button
Select the Soft Dry Operation Mode( )

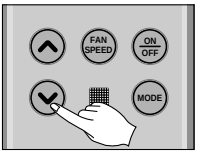




3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.

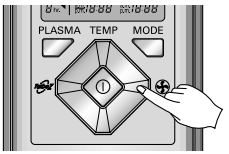


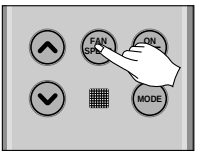


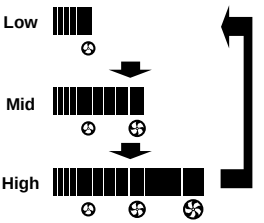


During Softy Dry Operation

• The indoor fan speed is automatically set to low and can be set fan speed.



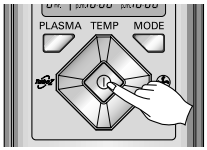


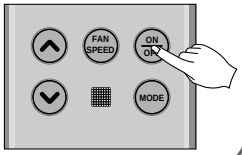


ENGLISH

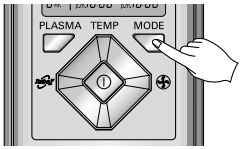
Heating Operation Mode(LP-Z,H Mode)

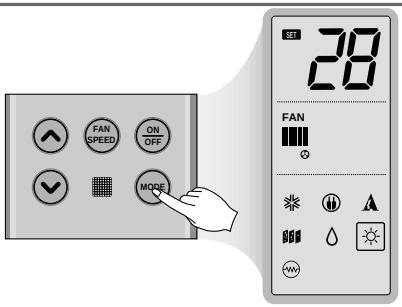
1 Press the on/off button.



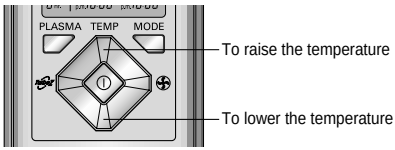


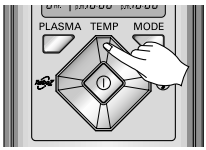
2 Press the Mode Button
Select the Heating Operation Mode( )

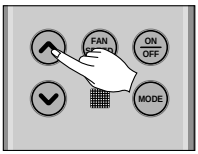




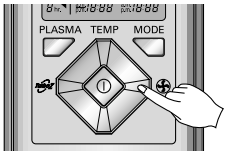
3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.

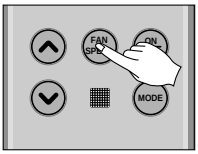


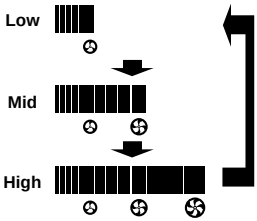




4 Set the Fan Speed.



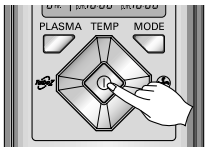


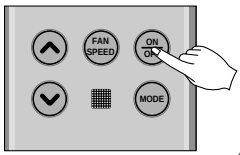


❑ Each time the Button is pressed, the Fan Speed mode is shifted.

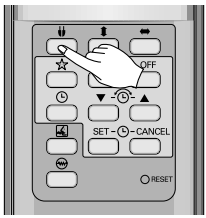
Energy Saving Mode(Cooling & Soft Dry Operation Only)

1 Press the on/off button.

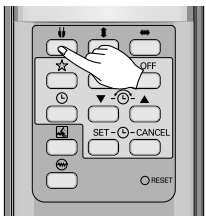




2 Select Energy Saving Operation
Press the Energy Operation Button on the remote controller



3 To cancel the Energy Saving mode. Press the Energy Saving Button Again and the unit will operate on Cooling/Auto/Soft Dry mode.

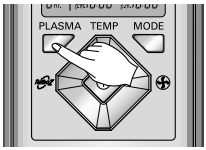


ENGLISH

Plasma Air Purifying Operation Procedure

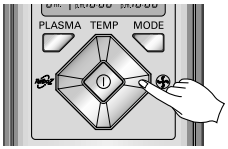
❶ Air Purifying Operation only

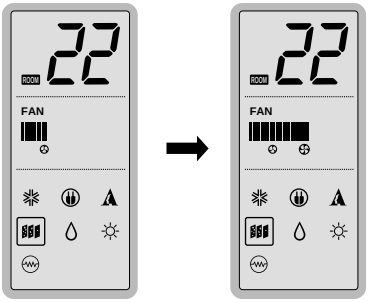
1 Press the Plasma Air Purifying Operation On/Off Button.



(Operation will start when the button is pressed, and stop when the button is pressed again.)

2 Select Fan speed.
The display shows low fan speed at the initial condition.





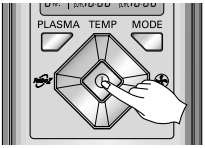
- You can operate the Plasma Air Purifying under the unit operation of cooling, heating, soft dry or Auto mode.

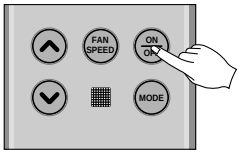
❷ Air Purifying Operation with Cooling or any other Operation.

1. Press the on/off Button.
2. Select the desired Operation mode.
3. Press the Plasma Air Purifying Operation button.
4. Set the fan speed.

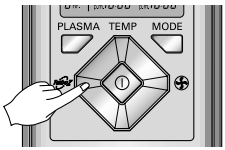
Turbo-Z cooling Operation

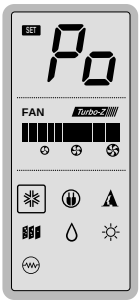
1 Press the on/off button.



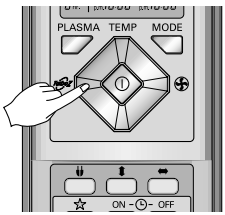


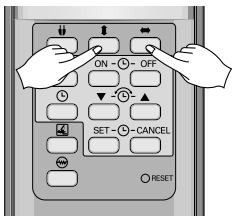
2 Press the **Turbo-Z Cooling** button to operate the speed cooling mode and the unit will operate in super high fan speed on cooling mode.





3 To cancel the **Turbo-Z Cooling** mode, press the **Turbo-Z Cooling** button again or the Auto Swing Direction Control Button (Up & Down, Left & Right) and the unit will operate in Mid Fan speed on cooling mode.





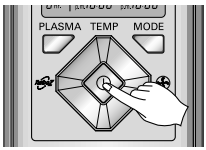
NOTICE

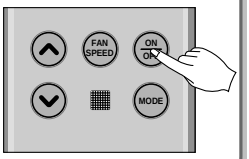
- During the **Turbo-Z Cooling** function at any moment, the A/C starts to blow the cool air at extremely high speed setting the room temp. automatically to 18°C. It is especially used to cool the room temp. in the shortest time in a hot summer.
  In heat pump mode or neuro fuzzy mode however, the **Turbo-Z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

ENGLISH

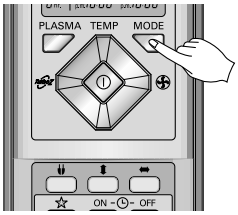
Electric Heater Operation Mode(LP-Z Model)

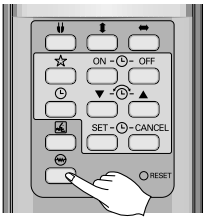
1 Press the on/off button.

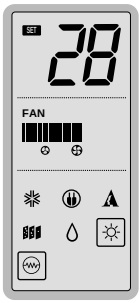




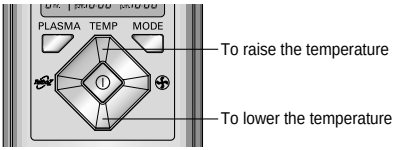
2 Select Heating Operation Mode
Press E/Heater Operation Button on the remote controller

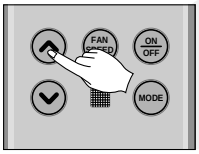




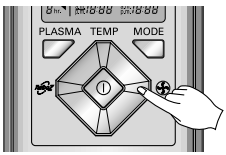


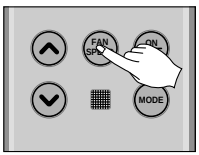
3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.

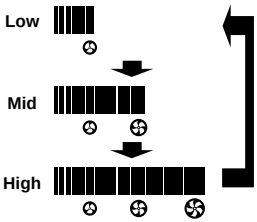




4 Set the Fan Speed.





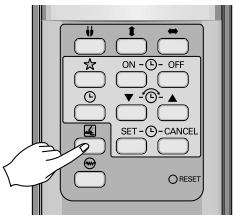


* Each time the Button is pressed, the Fan Speed mode is shifted.

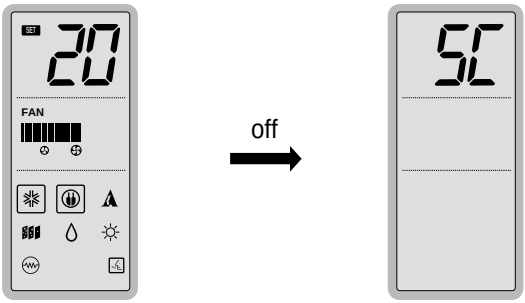
Self Cleaning Operation

❶ Air Purifying Operation only

1 Press the self cleaning Button( ) in remote controller.
This function prevents bacteria from generating after unit is off.

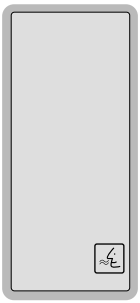


2 When unit is operating,Display shows .
After unit is off,Display shows SC and self cleaning operates for 1 minutes.



(In operating)

3 If selecting the self cleaning button when unit is off,Display shows for 4 seconds. When unit is on, it memorizes Reserved self cleaning operation.

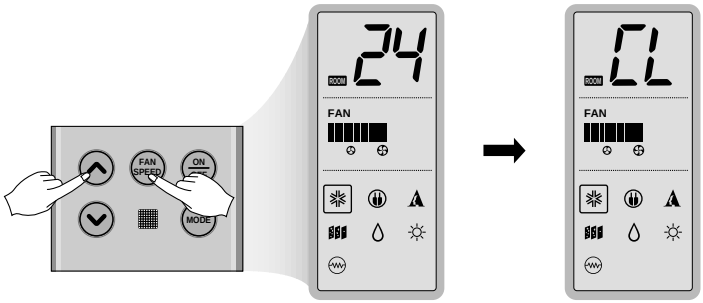


CAUTION: When plasma air cleaner operates only, self cleaning shows display but does not operate after unit is off.

ENGLISH

Child Lock Operation Procedure

1 Touched the fan speed and high temperature setting keys simultaneously for 3 seconds.
The display key will be locked with beep after 3 seconds.

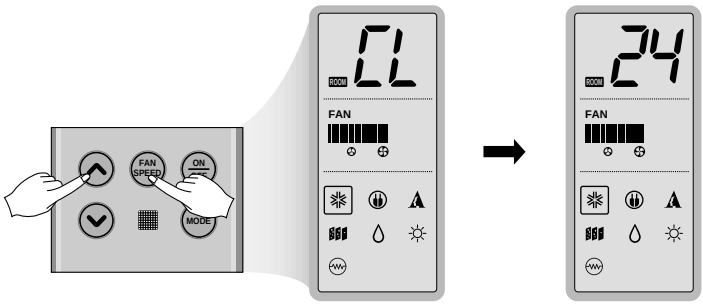


2 During Child Lock Operation

❶ Whenever you Touch any key on Display panel, it will immediately display " CL ", which means Display panel is Locked.
❷ All the key on the indoor unit Display panel will not work.
❸ But the key on the remote controller will work.

3 For releasing child lock Operation

Press the fan speed and high temperature setting keys simultaneously for 3 seconds again.
The unit will respond with beep, Child Lock Operation will removed.

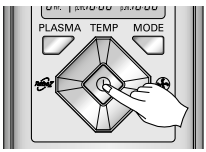


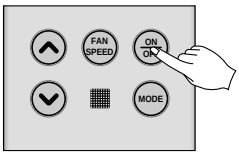
Auto restart

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.

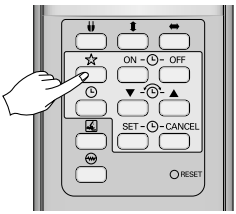
OFF Timer Setting Procedure(OFF TIMER Setting, or CANCEL)

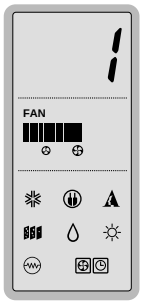
1 Press the on/off button.





2 Press the Timer Button.



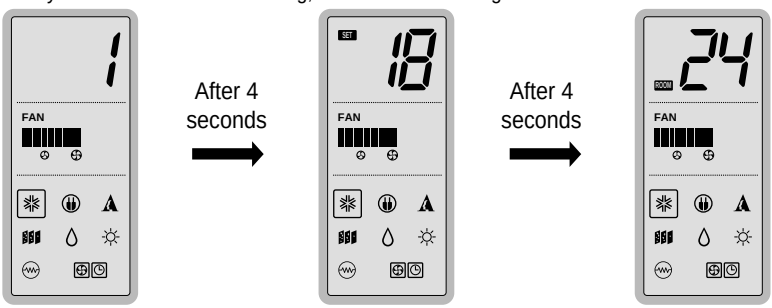


- If you press the button, the selected off timer is displayed as follows;

  1 → 2 → 3 → 4 → 5 → 6 → 7 → 0

- If you select ‘ 0 ’, the Off Timer function will be cancelled.

3 When you finish the Off Timer setting, the Timer indicator lights off.



4 During off-timer operation if you press the Timer Button, the rest time will be displayed.

Maintenance and Service

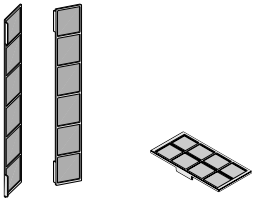
Indoor Unit

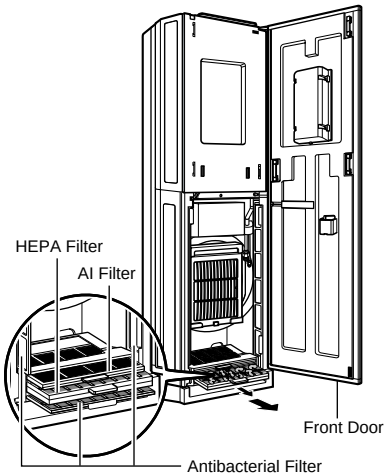
WARNING: Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTICE Supply power must be disconnected before cleaning the indoor unit.

1. Antibacterial Filter Cleaning

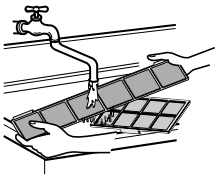
1. Open the front door and take out the left and right antibacterial filter.





2. Clean the filter with vacuum cleaner or smooth brush

- After water cleaning,dry it throughout in a shade to prevent trouble.



3. Push and insert the left/right filter, and then close the front door.

2. AI/HEPA Filter Cleaning

1. Open the front door and take out downside AI/HEPA filter.

2. Clean the AI Filter with brush in water.

- After water cleaning,dry it throughout in a shade to prevent trouble.

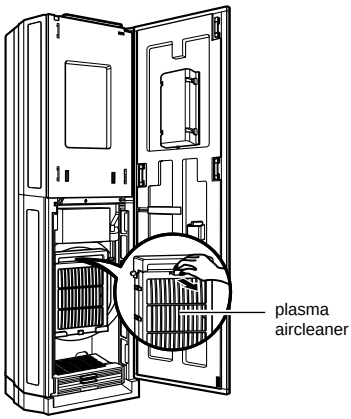
3. HEPA filter should be replaced with new every 1 year.

- HEPA filter should not be cleaned with water.

CAUTION: The period of filter cleaning/Exchange can be different depends on circumstance.

3. Plasma Aircleaner Cleaning

1. ***Open the front door and take out the front plasma aircleaner.***
2. ***Soak it for 1 to 2 hours and clean with water***
   - Soak it for 3 to 4 hours for serious contamination.
3. ***Push and insert the front plasma aircleaner, and then close the front door.***

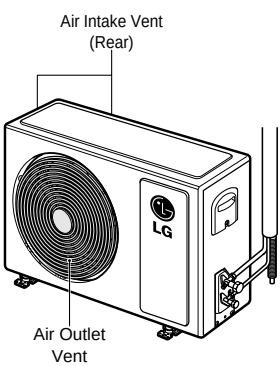


- **When the inner side color of air cleaner changes into yellowish, dry it under the sunlight.**
- **When you insert plasma deodorant air cleaner, be cautious not to bounce the spring.**
- **After water cleaning, dry it throughout in a shade to prevent trouble.**

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.



ENGLISH

Common Problems and Solutions

Before calling for service

If you have problems with your air conditioner, read the following information and try to solve the problem. If you cannot find a solution, turn off the air conditioner and contact your dealer.

Air conditioner does not operate

1. Ensure that the air conditioner is plugged into a proper outlet.
2. Check the fuse or circuit breaker.
3. Check whether the voltage is unusually high or low.

Air does not feel cold enough on the cooling setting

1. Ensure that the temperature settings are correct.
2. Check to see if the air filter is clogged with dust. If so, replace the filter.
3. Ensure that the air flow from the outside is not obstructed and that there is a clearance of over 20" between the back of the air conditioner and the wall or fence behind it.
4. Close all doors and windows and check for any source of heat in the room.

Before calling for service, please review the following list of common problems and solutions.

The air conditioner is operating normally when:

- You hear a pinging noise. This is caused by water being picked up by the fan on rainy days or in highly humid conditions. This feature is designed to help remove moisture in the air and improve cooling efficiency.
- You hear the thermostat click. This is caused by the compressor cycle starting and stopping.
- You see water dripping from the rear of the unit. Water may be collected in the base pan in highly humid conditions or on rainy days. This water overflows and drips from the rear of the unit.
- You hear the fan running while the compressor is silent. This is a normal operational feature.

Troubleshooting

The air conditioner may be operating abnormally when:

Problem	Possible Causes	What To Do
Air conditioner does not start	■ The air conditioner is unplugged.	• Make sure the air conditioner plug is pushed completely into the outlet.
	■ The fuse is blown/circuit breaker is tripped.	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	■ Power failure.	• If power failure occurs, turn the mode control to Off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
Air conditioner does not cool as it should	■ Airflow is restricted.	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	■ The thermostat may not be set high enough.	• Turn the knob to a higher number. The highest setting provides maximum cooling.
	■ The air filter is dirty.	• Clean the filter at least every 2 weeks. See the care and Maintenance section.
	■ The room may have been hot.	• When the air conditioner is first turned on, you need to allow time for the room to cool down.
	■ Cold air is escaping.	• Check for open furnace floor registers and cold air returns.
	■ Cooling coils have iced up.	• See Air Conditioner Freezing Up below.
Air conditioner freezing up	■ Ice blocks the air flow and stops the air conditioner from cooling the room.	• Set the mode control at High Fan or High Cool with thermostat at 1 or 2.

* You can refer to the Energy Star program in detail at www.energystar.gov.

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