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OWNER'S MANUAL

AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

FLOOR STANDING
APNH48GTLA0
Original instruction

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www.lg.com

TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

⚠ WARNING

It can result in serious injury or death when the directions are ignored

⚠ CAUTION

It can result in minor injury or product damage when the directions are ignored

⚠ WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Installation MUST conform with local building codes or, in the absence of local codes, with the Nation Electrical Code NFPA 70/ANSI C1-1003 or current edition and Canadian Electrical Code Part1 CSA C.22.1.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

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 elec-

trician, 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.
- 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.

Operation

- 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. 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 turning 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 smell 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 should 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 to 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 should step on or fall onto the outdoor unit. This could result in personal injury and product damage.

⚠ CAUTION

Installation

- Always check for gas (refrigerant) leakage after installation or repair of product. Low refrigerant levels may cause failure of product.
- Install the drain hose to ensure that water is drained away properly. A bad connection may cause water leakage.
- Keep level even when installing the product. To avoid vibration or water leakage.
- Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods. It may cause a problem for your neighbors.
- Use two or more people to lift and transport the product. Avoid personal injury.
- Do not install the product where it will be exposed to sea wind (salt spray) directly. It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.

Operation

- Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.) This could harm to your health.
- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. There is risk of damage or loss of property.
- Do not block the inlet or outlet of air flow. It may cause product failure.

- Use a soft cloth to clean. Do not use harsh detergents, solvents, etc. There is risk of fire, electric shock, or damage to the plastic parts of the product.
- Do not touch the metal parts of the product when removing the air filter. They are very sharp! There is risk of personal injury.
- Do not step on or put anyting on the product. (outdoor units) There is risk of personal injury and failure of product.
- Always insert the filter securely. Clean the filter every two weeks or more often if necessary. A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.
- Do not insert hands or other objects through the air inlet or outlet while the product is in operation. 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 all the 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 the 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.
- If you eat the liquid from the batteries, brush your teeth and see doctor. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.

TABLE OF CONTENTS

2 TIPS FOR SAVING ENERGY

3 IMPORTANT SAFETY INSTRUCTIONS

9 BEFORE USE

9 Preparing for operation
9 Usage
9 Cleaning and maintenance
9 Service

10 PRODUCT INTRODUCTION

10 Name of parts
11 Indoor unit controls and indicators
12 Wireless remote controller
13 Remote control preparation

14 OPERATING INSTRUCTIONS

14 Cooling Mode
14 Heating Mode
14 Airflow Setting
14 Fan Speed Mode
15 Dehumidification Mode
15 Power Cooling/Heating Mode
15 Fan Mode
15 Auto Operation Mode
15 Simple Reservation
16 Defrost Mode
16 Child Lock Operation Function
16 Auto Re-Operation Function

17 MAINTENANCE AND SERVICE

17 Indoor Unit
18 When the air conditioner is not going to be used for a long time.
18 Operation Tips
19 Troubleshooting Tips! Save time and money!
19 Call the service immediately in the following situations

BEFORE USE

Preparing for operation

- Contact an installation specialist for installation.
- Use a dedicated circuit.

Usage

- Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended period of time.
- Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

Cleaning and maintenance

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

Service

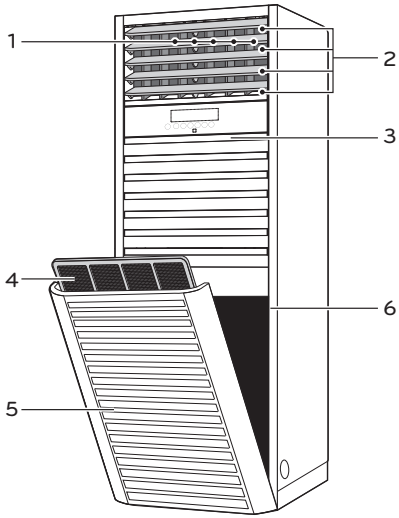
For repair and maintenance, contact your authorized service dealer.

PRODUCT INTRODUCTION

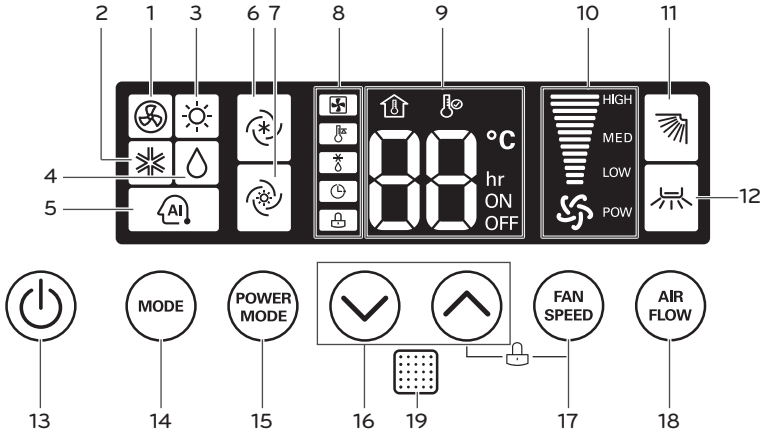
Name of parts

Indoor unit

1. Left/Right Airflow Control Louver
2. Up/Down Airflow Control Louver
3. Display/Control Panel
4. Filter
5. Air Inlet
6. Control Box

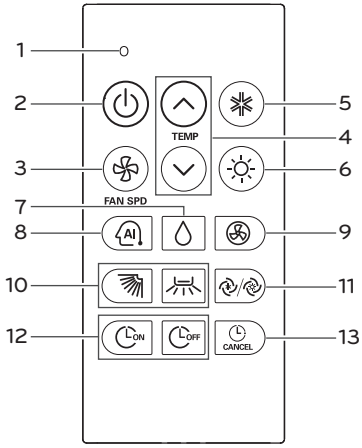


Indoor unit controls and indicators



1. Fan mode operation lamp
2. Cooling operation lamp
3. Heating operation lamp
4. Dehumidification operation lamp
5. Auto operation lamp
6. Power cooling operation lamp
7. Power heating operation lamp
8. Outdoor unit operation / Preheating / Defrost / Timer / Child lock lamp
9. Room temp. / Set temp. display (ON/OFF timer display)
10. Indoor fan speed lamp
11. Up/Down air flow lamp
12. Left/Right air flow lamp
13. Start/Stop button
14. Operation mode selection button
15. Power cooling/heating mode button
16. Room temperature setting button
17. Indoor fan speed button
18. Air flow direction button
19. Signal receptor

Wireless remote controller



No.	Control panel	Description
1	○	Remote controller operation lamp
2		Power ON/OFF button : Operation will start when this button is pressed, and stop when the button is pressed again.
3	FAN SPD	Indoor fan speed button : To select the desired fan speed.
4		Temperature setting button
5		Cooling button
6		Heating button
7		Dehumidification button : Can effectively remove humidity when at the time of rainy season or high humidity.
8	AI	Auto operation button : Auto heating and cooling operation is conducted in accordance with setting temperature.
9		Fan mode button
10		Air flow direction button(Up/down, Left/right) : Adjust air flow direction vertically or horizontally.
11		Power cooling/heating mode button : Powerful cooling/heating are performed within short time
12	ON OFF	ON/OFF timer setting button : Set the time of starting or stopping
13	CANCEL	Timer cancel button

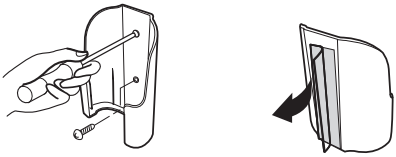
Handling the remote control

- Aim at the signal receptor on the floor standing type air conditioner when operating.
- The remote control signal can be received at a distance of up to about 7 meters.
- Be sure that there are no obstructions between the remote control and the signal receptor.
- Do not drop or throw the remote control.
- Do not place the remote control in a location exposed to direct sunlight, or next to a heating unit, or other heat source.

Remote control preparation

How to mount onto a wall

1 Use the screws to secure the holder to the wall or attach the holder side of indoor unit.

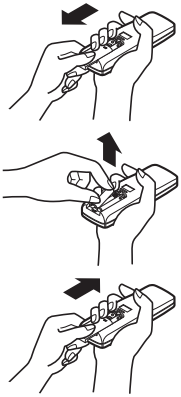


2 To insert the remote control to the holder.



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 are 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 period of time.

⚠ CAUTION

- When not using remote controller for a long time, flowing of dry cell liquid may cause the failure of product, therefore, remove all dry cells.
- When replacing dry cell (AAA), replace two of them all with new ones, and if remote controller is not operated properly even after replacing the dry cells (AAA), request the service.
- Do not disassemble or re-charge the used dry cells, and do not throw away those at the location with heat of fire or hot air. There will be the danger of explosion.

OPERATING INSTRUCTIONS

Cooling Mode

1 Press ⏻ button to turn on the indoor.

2 Press ❄ button to select Cooling operation mode.
- When canceling operating, press ⏻ button once more.

3 Adjust the desired temperature by pressing (∧ ∨) buttons.
- If desired temperature is higher than room temperature, cooling cannot be conducted.
- Set the temperature lower than the room temperature
- Setting Temp Range : 18°C~30°C.

NOTE

What is 3 minutes delay function?

The reason that cold wind is not coming out when operating the unit after turning off the cooling is because of the function to protect compressor. Cold wind will be coming out when compressor is operated after 3 minutes.

Heating Mode

1 Press ⏻ button to turn on the indoor.

2 Press ☼ button to select Heating operation mode.
- When canceling operation, press ⏻ button once more.

3 Adjust the desired temperature by pressing (∧ ∨) buttons.
- If desired temperature is lower than room temperature, heating cannot be conducted.
- Set up desired temperature higher than the room temperature
- Setting Temp Range : 16°C~30°C.

NOTE

Preheating operation

When conducting heating operation at the condition of low outdoor temperature, the case that wind is not coming out for several minutes under the state of lighting of defrost lamp may be occurred. This is the preheating stage to supply warm wind which will be supplied subsequently in short time.

Airflow Setting

We can simply adjust the desired airflow direction.

Up/Down Airflow Direction Control

1 Press ⏻ button to turn on the indoor.

2 Press button and the louvers will swing up and down.

3 Press button again to set the horizontal louver at the desired airflow direction.

Left/Right Airflow Direction Control

1 Press ⏻ button to turn on the indoor.

2 Press button and the louvers will swing left and right.

3 Press button again to set the vertical louver at the desired airflow direction.

<Airflow Setting Table>

Symbol	Description
	Up·Down : Vane move from up to down automatically and continuously
	Left·Right : Vane move from left to right automatically and continuously

Fan Speed Mode

1 Press ⏻ button to turn on the indoor.

2 Press FAN SPD button to select fan speed.
- You can select the fan speed in four steps low, mid, high, super high. Each time the button is pressed, the fan speed mode is shifted
- Air flow rate can be selected during the cooling, heating, dehumidification, blowing, and auto operation mode.

Dehumidification Mode

In rainy season or high humidity climate, it is possible to operate simultaneously dehumidifier and cooling mode to remove humidity effectively.

1 Press ⏻ button to turn on the indoor.

2 Press 💧 button to select dehumidification mode

- Room temperature will be displayed after desired temperature is indicated at display section for about 5 seconds.

3 Adjust the desired temperature by pressing (∧ ∨) buttons.

- When room temperature is higher than desired temperature, cooling operation will be performed, and when it is lower, heating operation will be conducted.
- The temperature established by customer will be maintained through automatic performance of cooling/heating operation in accordance with the change of room temperature.

Power Cooling/Heating Mode

Strong cooling/heating will be conducted in short time.

1 Press ⏻ button to turn on the indoor.

2 Press 🔥/❄ button to operate power cooling/heating mode.

- When power (cooling/heating) button is pressed during cooling/dehumidification mode, power cooling will be operated.
  In power cooling mode, desired temperature is set to 18°C and the horizontal louver is fixed at the highest position.
- When power (cooling/heating) button is pressed during heating operation, power heating will be operated.
  In power heating mode, desired temperature is set to 30°C and the horizontal louver is fixed at the lowest position.

Fan Mode

1 Press ⏻ button to turn on the indoor.

2 Press 🌀 button to circulate indoor air.

- When canceling operation, press ⏻ button once more.
- During fan mode, outdoor fan and compressor will not be operated.

Auto Operation Mode

1 Press ⏻ button to turn on the indoor.

2 Press AI button to select Auto Operation Mode.

Simple Reservation

Turning ON reservation mode

This function is able to turn on unit after a setting time.

1 When the unit is turned off, adjust desired setting time with ⏲ON button.

- Up to the maximum of 24 hours can be selected.

Turning OFF reservation mode

This function is able to turn off unit after a setting time.

1 When the unit is turned on, adjust desired setting time with ⏲OFF button.

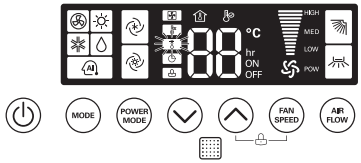
- Up to the maximum of 7 hours can be selected.

NOTE

After performing the setting, if corresponded setting button is pressed once, remaining setting time will be displayed, and if it is pressed once again, corresponded setting function will be cancelled. (same function as ⏲CANCEL) Remaining setting time will be displayed with the unit of 1 hour.

Defrost Mode

1 During defrost operation, ❄ will be indicated at display section of indoor.



2 During heating operation, if outside temperature is low and humidity is high, heating capability will be deteriorated as frost is generated at outdoor unit, therefore, the frost will be removed by performing defrost operation.

3 When indoor and outdoor unit fans are automatically stopped and defrost operation is completed, preheating for heating cycle will automatically be started.

* Heating operation will be started in a little time.

NOTE

What is preheating function for heating cycle?

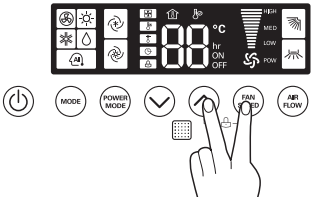
- During the heating, indoor fan will not be operated until indoor tubing temperature becomes more than 22°C, therefore, this is the function to block the discharge of cold wind.
- During the preheating for heating cycle, heating cannot be performed.
- During defrost operation, vapor can be generated at outdoor side, and this is not a failure because it is the operation to remove frost.

Child Lock Operation Function

1 Press the fan speed button and high temperature setting buttons simultaneously for seconds.

2 During child lock operation,
- Whenever you press any button on display panel, it will immediately display "CL", which means display panel is locked.
- All the button on the indoor unit display panel will not work.
- But the button on the remote controller will be operated.

3 Press the low and high temperature setting buttons simultaneously for 3 seconds again. The unit will respond with beep. child lock operation will removed.



Auto Re-Operation Function

When power is supplied again after unit operation has been stopped because of interruption of power supply due to outage or other causes, auto re-operation will be performed by remembering previous setting.

- When power is supplied, outdoor unit operation will be started within 3 minutes.

1 Auto re-operation function can be established/released by manipulating indoor unit button.

* When initial state, Auto re-operation function will be set up as standard.

For Releasing Re-Operation Function

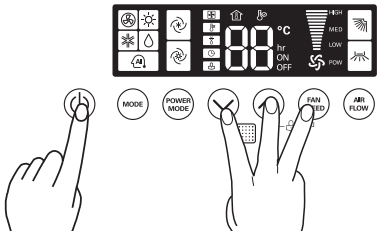
Press the on/off, fan speed, high temp and low temp buttons (4 buttons) simultaneously for 3 seconds.

The unit will respond with beep and re-operation function will be removed.

For Setting Re-Operation Function

After funtion release, Press the on/off, fan speed, high temp and low temp buttons (4 buttons) simultaneously for 3 seconds.

The unit will respond with beep and re-operation function will be setted.



MAINTENANCE AND SERVICE

Indoor Unit

Grille, Case and Remote Control

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

NOTE

Supply power must be disconnected before cleaning the indoor unit.

Air Filters

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

- Never use any of the followings:

  Water hotter than 40°C.
  Could cause deformation and/or discoloration.

  Volatile substances.
  Could damage the surfaces of the air conditioner.



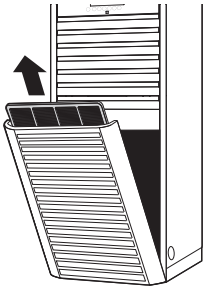
Filter Cleaning

Please clean it once in a week.

1 Remove the Air filters.
   - Take hold of the tab and pull slightly forward to remove the filter.

CAUTION

When the air filter is to be removed, do not touch the metal parts of the indoor unit. It may cause an injury.



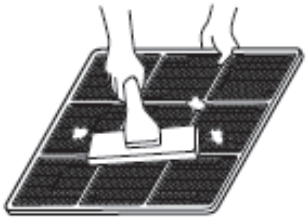
2 Clean dirt from the air filter using a vacuum cleaner or washing with water.

   - If dirt is conspicuous, wash with a neutral detergent in lukewarm water.

   - If hot water (50°C or more) is used, it may be deformed.

3 After washing with water, dry well in the shade.

   - Do not expose the air filter to direct sunlight or heat from a fire when drying it.



4 Install the air filter.

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.

1 Operate the air conditioner at the following settings for 2 to 3 hours.
   - Type of operation: Fan operation mode.
   - This will dry out the internal mechanisms.

⚠ CAUTION

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

Helpful information

The air filters and your electiric bill.

If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

When the air conditioner is to be used again.

1 Clean the air filter and install it in the indoor unit.
2 Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
3 Check that the ground wire is connected correctly. It may be connect to the indoor unit side.

Operation Tips

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

Troubleshooting Tips! Save time and money!

Check the following points before requesting repairs or service.... If the malfunction persist, please contact your dealer.

<table>
<tr>
<td>The air conditioner does not operate.
- Have you made a mistake in timer operation?
- Has the fuse blown or has the circuit breaker been tripped?</td>
<td>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.</td>
<td>It seems that condensation is leaking from the air conditioner.
- Condensation occurs when the airflow from the air conditioner cools the warm room air.</td>
<td>Air conditioner does not operate for about 3 minutes when restart.
- This is the protector of the mechanism.
- Wait about three minutes and operation will begin.</td>
</tr>
<tr>
<td rowspan="2">Does not cool or heat effectively.
- Is the air filter dirty? See air filter cleaning instructions.
- The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.
- Has the temperature been set incorrectly?
- Are the indoor unit's air inlet or outlet vents obstructed?</td>
<td rowspan="2">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.</td>
<td>Crack sound is heard.
- This sound is generated by the expansion/ constriction of the front panel, etc. due to changes of temperature.</td>
<td>Remote control display is faint, or no display at all.
- Are the batteries depleted?
- Are the batteries inserted in the opposite (+) and (-) directions?</td>
</tr>
<tr>
<td>Filter sign lamp (LED) is ON.
- Cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 s</td>
<td>The error code is occurred after lightning struck
- This product has been applied to the over current protection circuit.
Error can occur, but it is normal behavior.
After few minutes, It will operate normally.</td>
</tr>
</table>

Call the service immediately in the following situations

1 Anything abnormal such as burning smell, loud noise etc. happen. Stop the unit and turn the breaker off. Never try to repair by yourself or restart the system in such cases.

2 Main power cord is too hot or damaged.

3 Error code is generated by self diagnosis.

4 Water leaks from indoor unit even if the humidity is low.

5 Any switch, breaker (safety, earth) or fuse fails to work properly

User must carry routine checkup & cleaning to avoid unit's poor performance.

In case of special situation, the job must be carried out by service person only.


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