OWNER'S MANUAL

AIR CONDITIONER



Read this owner’s manual thoroughly before operating the appliance and keep it handy for reference at all times.

ENGLISH

www.lg.com

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This manual may contain images or content that may be different from the model you purchased.

This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

Safety Messages

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

⚠ This symbol is displayed to indicate matters and operations that can cause risk.
Read the part with this symbol carefully and follow the instructions in order to avoid risk.

⚠ **WARNING**

This indicates that the failure to follow the instructions can cause serious injury or death.

⚠ **CAUTION**

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

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 :

WARNING

- Installation or repairs by unqualified persons can result in hazards to you and others.
- 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 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.
- 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 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.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- 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.
- If anyone other than a licensed professional installs, repairs, or alters LG Electronics air conditioning products, the warranty is voided. All costs associated with repair are then the full responsibility of the owner.

- Do not install the unit in potentially explosive atmospheres.

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 anything 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.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- The user must carry out checks and cleaning of routine to avoid defective performance. In a special situation, only service personnel can carry out repair work.

OPERATION

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 periods of time.
- Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- Do not use this ventilator 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 ventilator. 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

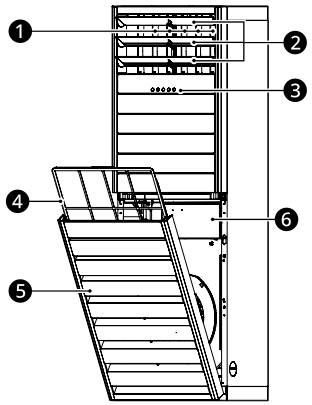
For repair and maintenance, contact your authorized service dealer.

Product Introduction

Name of Parts

PT3

Indoor unit



❶ Left / Right Airflow Control Louver

❷ Up / Down Airflow Control Louver

❸ Display Panel

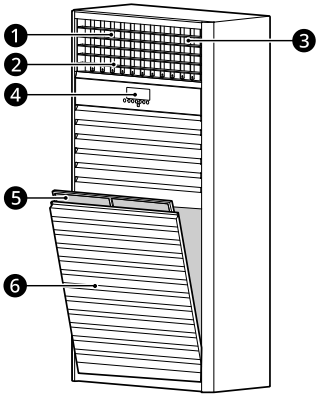
❹ Air Filter

❺ Air Inlet

❻ Control Box

PF2

Indoor unit



❶ Left / Right Airflow Control Louver

❷ Up / Down Airflow Control Louver

❸ Air Outlet

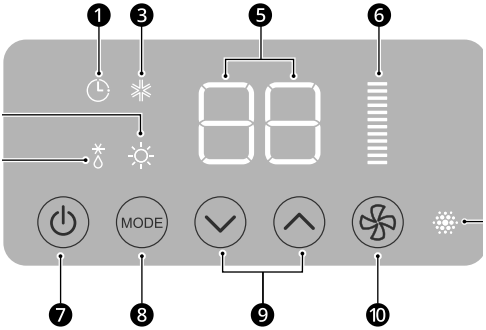
❹ Display / Control Panel

❺ Filter

❻ Air Inlet

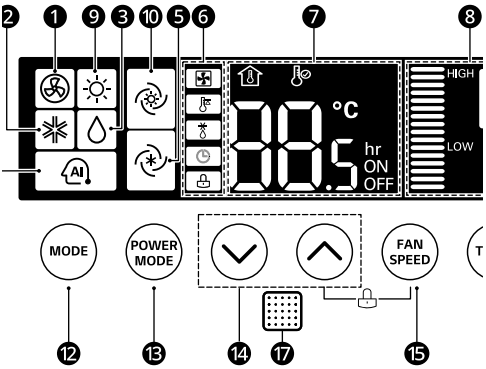
Indoor Unit Controls and Indicators

PT3



❶ Timer Lamp
❷ Defrosting Operation Lamp
❸ Cooling Operation Lamp
❹ Heating Operation Lamp
❺ Room Temp. / Set Temp. Display
❻ Indoor Fan Speed Lamp
❼ Start / Stop Button
❽ Operation Mode Selection Button
❾ Room Temperature Setting Button
❿ Indoor Fan Speed Button
⓫ Signal Receptor

PF2



❶ Fan Mode Operation Lamp
❷ Cooling Operation Lamp
❸ Dehumidification Operation Lamp
❹ Auto Operation Lamp
❺ Power Cooling Operation Lamp
❻ Outdoor Unit Operation / Timer / Child Lock Lamp
❼ Room Temp. / Set Temp. Display (ON/OFF timer display)
❽ Indoor Fan Speed Lamp
❾ Heating Operation Lamp
❿ Power Heating Operation Lamp
⓫ Start / Stop Button
⓬ Operation Mode Selection Button
⓭ Power Cooling Mode Button
⓮ Room Temperature Setting Button
⓯ Indoor Fan Speed Button
⓰ ON/OFF Timer Button
⓱ Signal Receptor

NOTE

- Some lamp cannot display by model's function.

Operating Instructions

Fan Speed Setting

1 Press ⏻ button to turn on the indoor.

2 Press ֍ button to select fan speed.

- You can select the fan speed in three steps Low, Mid, High, Power. Each time the button is pressed, the fan speed mode is shifted.
- Air flow rate can be selected during the cooling, heating and blowing(fan 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 🕒 button.

- Available only when the product is off.
- Up to the maximum of 24 hours can be selected.
- After setting the reservation, press 🕒 button to display the remaining reservation time. Press once more to cancel the reservation mode.
- Multi V indoor unit can select up to 7 hours of reservation mode, when connecting a wired remote controller.

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 🕒 button.

- Available only when the product is on.
- Up to the maximum of 7 hours can be selected.
- After setting the reservation, press 🕒 button to display the remaining reservation time. Press once more to cancel the reservation mode.
- Please set the appropriate time when sleep.

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. Remaining setting time will be displayed with the unit of 1 hour.

Child Lock Operation Function

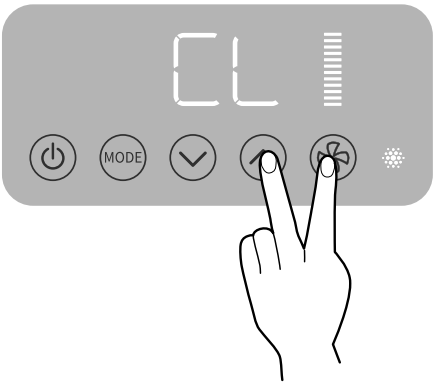
1 Press the ⌒ and ֍ simultaneously for 3 seconds. Or press the 🔒button on remote control.

2 During child lock operation,

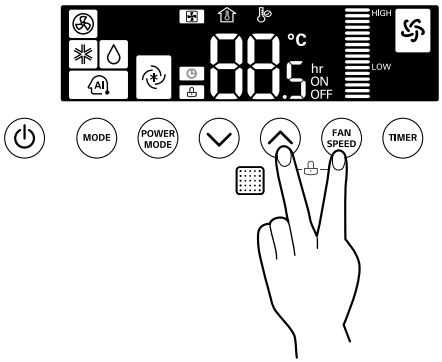
- Whenever you press any button on display panel, it will immediately display "CL", which means display panel is locked.
- All the button on the indoor unit display panel will not work.
- But the button on the remote controller will be operated.

3 Press the ⌒ and ֍ simultaneously for 3 seconds again. The unit will respond with beep. child lock operation will removed.

PT3



PF2



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.

- The following functions are auto re-operated.
  : Operation mode, fan speed, desired temperature, airflow direction(up/down, left/right)
- 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 ⏻ , ⌃ , ⌄ , ✲ (4 buttons)simultaneously for 3 seconds.

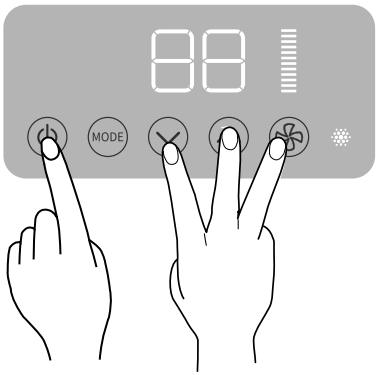
The unit will respond with beep and Re-operation function will be removed.

For Setting Re-operation function

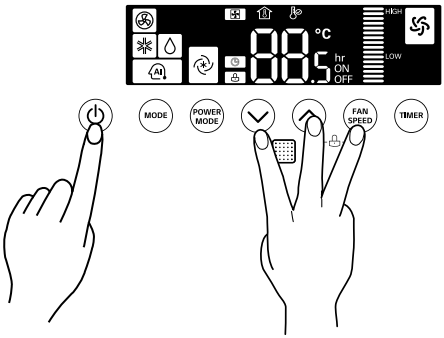
After function release, Press the ⏻ , ⌃, ⌄ , ✲ (4 buttons) simultaneously for 3 seconds.

The unit will respond with beep and Re-operation function will be set.

PT3



PF2



Defrost Mode

PT3

Heat Pump

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 ℃, 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.

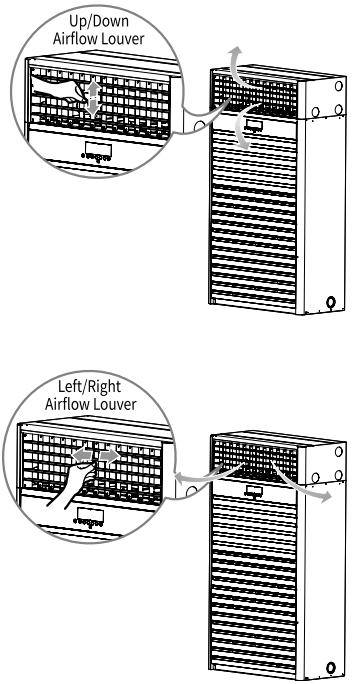
Airflow Setting

PF2

We can simply adjust the desired airflow direction.

⚠ CAUTION

- Excessive operation may cause malfunction.



Adjust airflow louvers by hand.

MAINTENANCE AND SERVICE

Maintenance

Indoor Unit

Grille, Case and Remote Control

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

NOTE

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

Air Filters

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

- Never use any of the followings:

  Water hotter than 40 ℃. 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.

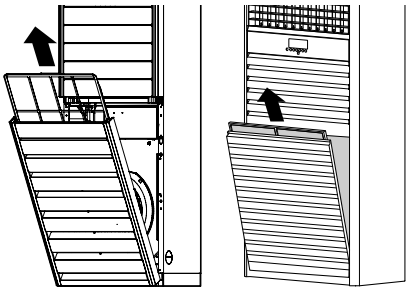
1 Remove the Air filters.

Take hold of the tab and pull slightly forward to remove the filter.

⚠ CAUTION

- When remove the air filter do not touch the metal parts of the indoor unit. It may cause an injury.

<PT3> <PF2>

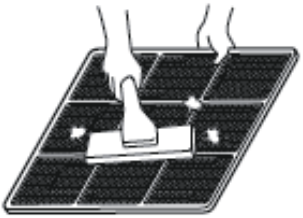


2 Clean dirt from the air filter using a vacuum cleaner or washing with water.

- If dirt is conspicuous, wash with a neutral detergent in lukewarm water.
- If hot water (40 ℃ 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 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 airconditioner is not going to be used for along time.
- Dirt may collect and may cause a fire.

Helpful information

The air filters and your electric bill.

If the air filters become clogged with dust, the cooling capacity will drop, and 6 % of the electricity used to operate the air conditionerwill 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/overheat 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 is persisted, please contact your dealer.

Case	Explanation
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?
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.

Case	Explanation
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 restart.	• 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. • 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 setting temperature been set incorrectly? • 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.
Crack sound is heard.	• This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes of temperature.
Remote control display is faint, or no display at all.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?
The error code is occurredafter 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.

Service

Call the service immediately in the following situations

- 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.
- Main power cord is too hot or damaged.
- Error code is generated by self diagnosis.
- Water leaks from indoor unit.
- 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.

