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OWNER'S MANUAL

AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference. Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
This equipment shall be provided with a supply conductor complying with the national regulation.

Original instruction (R410A/R32)

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Safety Instructions

The following symbols are displayed on indoor and outdoor units.

	Read the precautions in this manual carefully before operating the unit.		This appliance is filled with flammable refrigerant (for R32)
	This symbol indicates that the Operation Manual should be read carefully.		This symbol indicates that a service personnel should be handling this equipment with reference to the Installation Manual.

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.

⚠ 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.

• Do not turn on the breaker or power under condition that front panel, cabinet, top cover, control box cover are removed or opened.
- Otherwise, it may cause fire, electric shock, explosion or death.

• 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.

• Use a vacuum pump or Inert (nitrogen) gas when doing leakage test or air purge. Do not compress air or Oxygen and Do not use Flammable gases. Otherwise, it may cause fire or explosion.
- There is the risk of death, injury, fire or explosion.

• The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation. (for R32)

- Ducts connected to an appliance shall not contain an ignition source. (for R32)
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)
- Keep any required ventilation openings clear of obstruction.

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.
  - 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, 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 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.
- Take care to ensure that nobody could step on or fall onto the outdoor unit.
  - This could result in personal injury and product damage.
- 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.
- Do not turn on the breaker or power under condition that front panel, cabinet, top cover, control box cover are removed or opened.
  - Otherwise, it may cause fire, electric shock, explosion or death.

⚠ 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.
- Use two or more people to lift and transport the product.
  - Avoid personal injury.

- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification. (for R32)
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- 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.
- 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.

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 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.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants. (for R32)
- 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.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
  Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not touch refrigerant pipe and water pipe or any internal parts while the unit is operating or immediately after operation.
  - It can cause a burn or frostbite.

Prior to Operation

Preparing for Operation

1. Contact an installation specialist for installation.
2. Use a dedicated circuit.

Usage

1. 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.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. 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

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible 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 accidentally triggered on while cleaning inner parts of the unit.

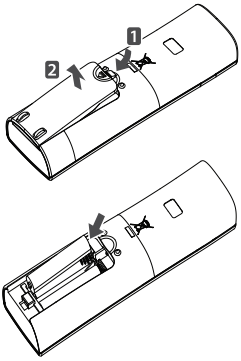
Service

For repair and maintenance, contact your authorized service dealer.

Operating Instructions

How to insert the Batteries

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

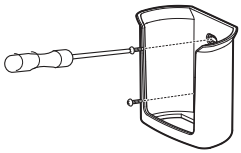


NOTE

1. Always use/replace both batteries of same type.
2. If the system is not to be used for a long time, remove the batteries to save their working life.
3. If the display screen of remote controller starts, fading replace both of the batteries.

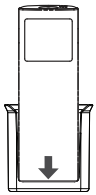
Wireless Remote Controller Maintenance

1. Choose a suitable place where its safe & easy to reach.
2. Fix the holder to wall etc with the supplied screws firmly.
3. Slide the remote controller inside the holder.



NOTE

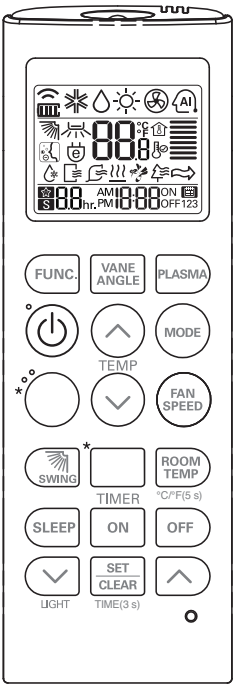
1. Remote controller should never be exposed to direct sunlight.
2. Signal transmitter & receiver should always be clean for proper communication. Use a soft cloth to clean them.
3. In case some other appliances also get operated with remote control, change their position or consult your serviceman.



Operating Method

1. The signal receiver is inside the unit.
2. Aim the remote controller towards the unit to operate it.
   There should not be any blockage in between.

Part Description



Part	Description
	LCD display
FUNC.	Used to set additional function
VANE ANGLE	Used to set each vane angle
PLASMA	Used to set the plasma-purification function
	Used to turn on/off
TEMP	Used to set the desired temperature
MODE	Used to set the operation mode
* JET COOL	Used to change the room temperature quickly
* JET MODE	
FAN SPEED	Used to set fan speed
SWING	Used to set the desired up/down airflow direction
SWING	Used to set the desired left/right airflow direction
* AIR OUTLET	AIR OUTLET Button
ROOM TEMP	Used to check the room temperature
SLEEP	Used to set the sleep timer operation
ON	Used to set the on timer operation
OFF	Used to set the off timer operation
	Used to set the time
SET CLEAR	Used to set/clear the timer operation

* Some functions may not be supported, depending on the model.

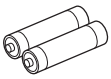
Accessory



Holder(1EA)



Fixing screw (2EA)



AAA(1.5V)
Batteries(2EA)

Standard Operation

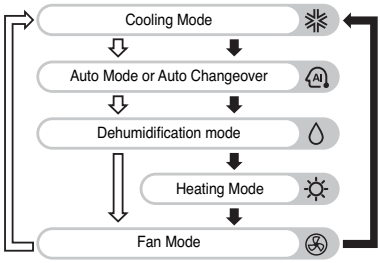
On / Off

Press the ⏻ button.

Operation mode

Press the MODE button.

※ Some functions may not operate depending on the product.



• Cooling model(⇩), Heat pump model(⇧)

Cooling mode

1 Press the MODE button repeatedly to select the cooling mode.

❄ icon is displayed.

2 Press the ∧ or ∨ button to set the desired temperature.

※ Setting temperature range:
16˚C~ 30˚C (60˚F ~ 86˚F)

Heating mode

1 Press the MODE button repeatedly to select the heating mode.

☼ icon is displayed.

2 Press the ∧ or ∨ button to set the desired temperature.

※ Setting temperature range:
16˚C~ 30˚C (60˚F ~ 86˚F)

Dehumidification mode

It removes moisture while cooling weakly.

1 Press the MODE button repeatedly to select the dehumidification mode.

💧 icon is displayed.

※ There is no desired temperature for dehumidification operation.

※ Use it in the rainy season or when the humidity is high to effectively remove moisture and cool down the room at the same time.

Fan mode

It blows indoor air instead of cold wind.

1 Press the MODE button repeatedly to select the fan mode.

icon is displayed.

※ There is no desired temperature for fan operation.

※ It only circulates the room air.

Auto operation mode

This function automatically manages room temperature based on set temperature.

1 Press the MODE button repeatedly to select the auto operation mode.

AI icon is displayed.

Cooling only model

The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature.

If you feel hot or cold, press ∧ or ∨ buttons for more cooling or heating effect.

You cannot switch the indoor fan speed. It has already been set by the auto mode rule.

Please select the code depend on your feeling.

Code	Feel
2	Cold
1	Slightly cool
0	Neutral
-1	Slightly warm
-2	Warm

Cooling & Heating model

You can set desired temperature and indoor fan speed.

Setting the mode change temperature

1 Press the FUNC. button repeatedly until icon blinks.

2 Press the ∧ or ∨ button to set the desired temperature.

3 Press the SET CLEAR button to set the desired change temperature.

※ Default value is 2°C(4°F). Change temperature range: 1°C ~ 7°C (2°F ~ 14°F)

Example of using change temperature

Condition

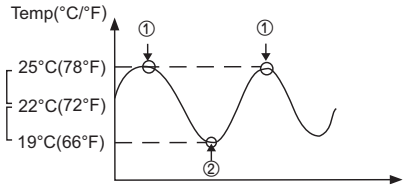
1) Mode: Auto mode

2) Temperature: 22°C(72°F)

3) Change Temperature: 3°C(6°F) → Change Temperature 3°C(6°F) difference

※ In case of the above conditions, it operates as in the graph.

① : Cooling operation start
② : Heating operation start



Power cooling

1 Press the MODE button repeatedly to select the cooling mode.

❄ icon is displayed.

2 Press the *JET COOL button.

Po icon is displayed.

※ Some models operate power cooling mode for 30 minutes.

Fan speed

Press FAN SPEED button repeatedly to adjust the fan speed.

→ Low → Medium → High → Auto →

※ Some fan speed may not operate depending on the product.

※ Auto fan speed

- It is displayed as an animation effect like below.



Room temperature checking

Whenever press ROOM TEMP button, the room temperature will be displayed within 5 seconds. After 5 seconds, it turns to display the desired temperature. Because of location of remote controller, the real room temperature and the this displayed value can be different.

※ Press ROOM TEMP button for 5 seconds, temperature unit change celsius to fahrenheit or fahrenheit to celsius.

Airflow setting

※ This function may not operate depending on the product.

Up/Down airflow

1 Press SWING button and the louvers will swing up and down.

icon is displayed.

2 Press the SWING button again to cancel.

※ Always use the remote controller to adjust the up/down airflow direction. Manually moving the vertical airflow direction louver by hand, could damage the air conditioner.

※ When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

Left/Right airflow

1 Press SWING button and the louvers will swing left and right.

icon is displayed.

2 Press the SWING button again to cancel.

Timer

Setting the current time

1 Press the SET CLEAR button for 3 seconds.

2 Press ∨ or ∧ buttons until the desired time is set. (If you press down the button for a long time, it will change quickly in the units of 10 minutes.)

3 Press the SET CLEAR button.

※ Check the indicator for A.M. and P.M.

Sleep time setting

It is used when sleeping or to turn off the product automatically in a few hours.

1 Press the SLEEP button.

2 Press ∨ or ∧ buttons until the desired time is set. (7 hours is the maximum setting)

3 Press the SET CLEAR button.

On timer setting

It is used to turn on the product automatically in a few hours.

1 Press the ON button.

2 Press ∨ or ∧ buttons until the desired time is set.

3 Press the SET CLEAR button.

Off timer setting

It is used to turn off the product automatically in a few hours.

1 Press the OFF button.

2 Press ∨ or ∧ buttons until the desired time is set.

3 Press the SET CLEAR button.

To cancel the timer setting

If you wish to cancel all timer setting, press the SET CLEAR button.

If you wish to cancel each timer setting, press the each timer button and then press the SET CLEAR button.

Sub Function

※ Sub functions may not operate depending on the product.

Plasma purification (optional)

It is the air cleaning function which makes the room air clean and refreshing.

1 If you press the PLASMA button, plasma purification operates.

icon is displayed.

※ Press the PLASMA button while stopping to run air cleaning alone.

Auto clean (optional)

It eliminates odor and prevents fungus growth.

1 Press the FUNC. button repeatedly until icon blinks.

2 Press the SET CLEAR button to reserve or cancel this function.

※ If the automatic dehumidification function is set during operation, when the air conditioner is stopped, it removes the moisture remaining in the air conditioner automatically at the end of operation.

※ If the automatic dehumidification function is set while stopping, when the air conditioner is stopped after the next operation, it performs the automatic dehumidification function at the end of operation.

※ During the automatic dehumidification operation, it is set to dry operation with low wind intensity.

Smart clean (optional)

It is the function to clean the dusts on the filter automatically.

Auto smart clean operation (optional)

If the accumulated operation time of the product exceeds 30 hours, the smart clean automatically starts when the unit is turned off.

1 Turn the appliance on.

2 Press the FUNC. button repeatedly until icon blinks.

3 Press the SET CLEAR button to reserve or cancel this function.

Manual smart clean operation (optional)

1 When the unit stop, press the FUNC. button repeatedly until icon blinks.

2 Press the SET CLEAR button to reserve or cancel this function.

※ The robotic cleaner moves back and forth to clean the dust accumulated in the filter.

※ The cleaned dusts are moved to the dust bin.

※ The robotic cleaning method may vary depending on the model. Refer to the product manual for more information.

LCD luminosity control (optional)

It is comfortable when you feel that the display of the unit too bright.

1 Press the ∨ button.

Electric heater (optional)

It can only be set during heating operation.

1 Press the FUNC. button repeatedly until ≀≀≀ icon blinks.

2 Press the SET CLEAR button to reserve or cancel this function.

※ The indoor unit displays during the heating mode, the auxiliary heater is automatically turned on, but it is not displayed on the wireless remote controller separately.

Individual vane angle control (optional)

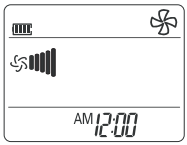
It is the function that can control 4 vane angles individually in the ceiling type 4way cassette product group.

1 Press the VANE ANGLE button repeatedly to select the vane.

2 Set each vane angle by pressing ∧ or ∨ buttons.(1~6 steps)

※ Press and hold the button for 3 seconds to set all wind angles to the standard angles.

Air Circulation Operation

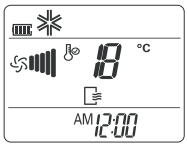


This operation circulates the air without cooling or heating. It can be activated by pressing the OPERATION MODE SELECTION button. Once the air circulation is activated you can select the fan speed by pressing the FAN SPEED button.

MODE

NOTE During this operation , Operation lamp 'Blue' lights up.

Auto Clean Operation



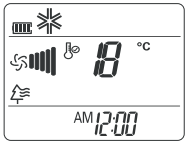
Select Auto Clean Operation by the function setting button(A/CLEAN). Now whenever the unit is turned off, the indoor fan is still running for about 15 minutes internally without cooling or dehumidification operation. This function dries up any remains of moisture & cleans the unit internally. If you push the Auto Clean button again, this function is cancelled.

A/CLEAN

NOTE

❏ During Auto Clean function, only ON/OFF button, PURIFIER button, AUTO CLEAN button is used. During this operation, Operation Lamp 'Blue' lights up and blink.

Air Purifier Operation



The sterilized ion generating system, Ion Generator, emits around 1.2 million ions, and catches hazardous substances floating in the air, therefore proactively looking for and catching germs. Air purifier operation can be started by pressing the PURIFIER button on the remote controller.

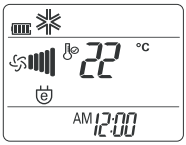
Repressing it will deactivate the operation.

PLASMA

NOTE

- This feature can be used in any operation mode and fan speed by pressing the PURIFIER button.
- Separate purification operation is possible in stop condition. It is cancelled by pressing PURIFIER button or ON/OFF button.
- If jet cool is operated in separate PURIFIER operation, purification and jet cool is operated at once. In 30 minutes after the operation, it return to purification in cooling mode, high fan speed, 18 °C setting temperature.

Energy-Saving Cooling Mode



Energy-saving cooling mode can save energy in cooling operation, because it can operate efficiently by setting body-adaptation time according to the change of time and temperature and adjusting desired temperature automatically.

E/SAVING

Energy Saving Cooling Mode operation can be started by pressing the ENERGY SAVING COOLING MODE button on the remote controller.

Repressing it will deactivate the operation.

Display Temperature Unit

This function allows switching the display between Celsius and Fahrenheit temperature unit.

°C/°F

Mode Lock setting

You can select operation mode for “cooling only” or “heating only”.

1. Press this (▽) [△] for 5 seconds or more, operation mode changed to “cooling only”.
2. Press this (▽) [△] for 5 seconds or more, operation mode changed from “cooling only” to “heating only”.
3. Press this (▽) [△] for 5 seconds or more, “heating only” mode released.

- In “cooling only” or “heating only” mode, mode change cannot be choose.

NOTE

Use other controller but wireless one, you can change operation mode.

Timer Setting

1. Press ON or OFF button. [ON] [OFF]
2. Press Time Setting buttons until the desired time is set. [▽] [△]
3. Press the Set/Clear button. [SET CLEAR]

To cancel the timer setting

- If you wish to cancel all timer setting, press the Set/clear button.
- In order to cancel the timer settings individually, press the Timer button to select Reserved 'On' or Reserved 'Off'. And then press the Set/Clear button aiming the remote controller at the signal receiver. (the timer lamp on the display will go off)

Sleep Mode Operation

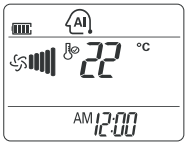
Press the SLEEP MODE AUTO button to set the time when you want the unit to stop automatically. The timer is programmed in one-hour increments by pressing the SLEEP MODE AUTO button 1 to 7 times. The sleep mode is available for 1 to 7 hours.

SLEEP

NOTE

- The sleep mode will operate indoor fan at super low speed in cooling mode and at low speed in heating mode for pleasant sleep.
- **In cooling mode or healthy dehumidification mode:**
  The setting temperature will rise automatically two times by 1°C over next consecutive 30 minutes (Maximum 2°C) for a comfortable sleep. This will be the final setting temperature as long as sleep mode is functioning.

Auto Changeover Operation (Single Model Only)



This operation is basically heating or cooling function of the air conditioner. But during this operation the controller changes the operation mode automatically to keep the temperature within ±2°C with respect to the setting temperature.

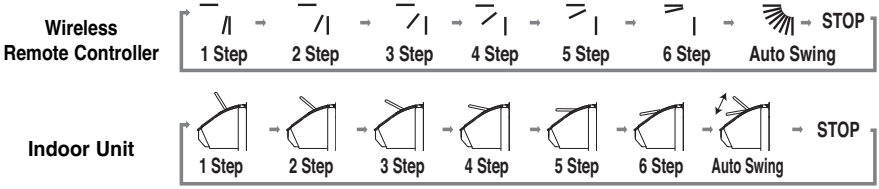
MODE

Upper Horizontal Vane Control

The Upper Horizontal Vane can be adjusted by using the remote controller.
1. Press the ON/OFF button to start the unit.
2. Press the UPPER HORIZONTAL VANE CONTROL button.
   Each time the button is pressed, the air-flow direction is changed in the direction of the arrow.







❇ Press the UPPER HORIZONTAL VANE CONTROL button once more during Auto Swing at the direction of airflow you want.

NOTE

- Manually moving the Upper Horizontal Vane by hand could damage the mechanism.When the unit is shut off, the the Upper Horizontal Vane will close the air outlet vent of the product.
  ❇ When you restart the unit, Upper Horizontal Vane will be located as you selected before.

Filter Sign

- When Indoor Unit is OFF, Operation lamp 'Green' lights up after 2400 hours from the time of first operation of the unit.
- When filter is covered by dust, it will reduce cooling/ heating efficiency and accumulate more electric power. Therefore, do clean the filter whenever cleaning time is expired.
- Remove the Filter Sign
  After cleaning the filter, Press the SET CLEAR button of remote controller 3 times. Then the Filter sign is turned off.

Selecting air outlet direction (for console)

You can select the air outlet.
Press ON/OFF button to start the unit.
Press the AIR OUTLET button.

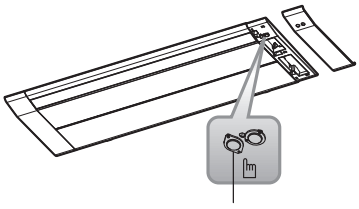


- If is selected, only upper air outlet will be opened and blow air.
- If is selected, only lower air outlet will be opened and blow air.
- If is selected, upper/lower air outlets will be opened and blow air.

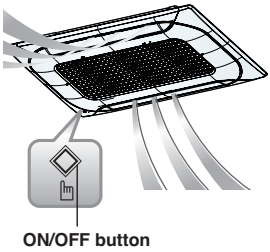
Forced Operation

Operation procedures when the remote control can't be used.
Press the tact switch (ON/OFF button) for 2 seconds.
If you want to stop operation, press again the tact switch.
In case the power comes on again after power failure on the forced operation mode, the operating conditions are automatically set as follows: During forced operation, the initial mode continues.

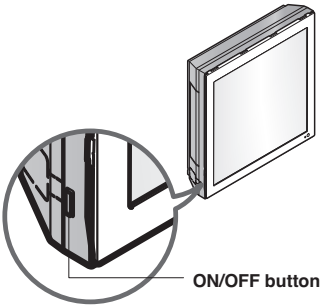
<Ceiling Cassette - 1Way>



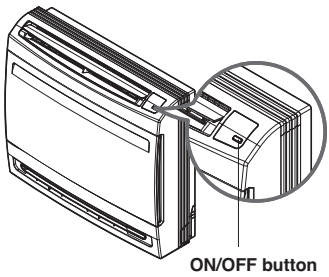
<Ceiling Cassette - 2Way>



<Art Cool Gallery Series>



<Console>



* The feature may be changed according to the type of model.

Auto Restart Function

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.

Maintenance and Service

Ceiling Cassette - 1Way

⚠ CAUTION

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

Grille, Case, and Remote Control

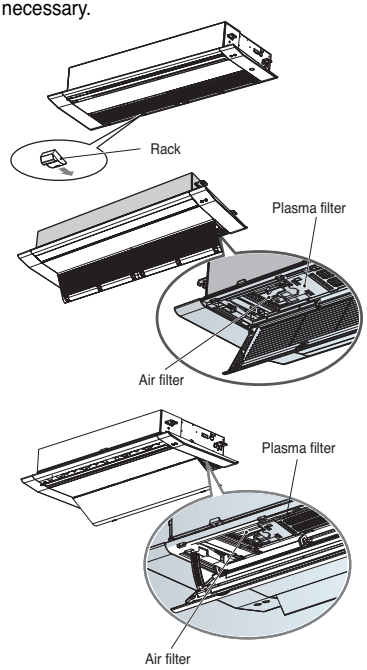
■ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE

Supply power must be disconnected before cleaning the indoor unit.

Air Filter

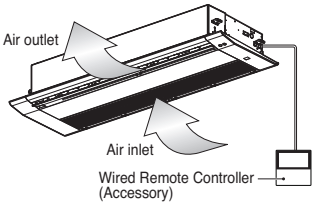
The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if necessary.

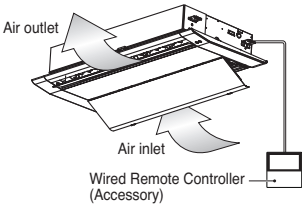


TT chassis : 6 EA Rack
TU chassis : 4 EA Rack

■ 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.







1. Remove 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. Remove plasma filter.
■ Unscrew 2 screws from plasma filter.

3. 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.

4. 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.

5. Install plasma filter and air filter.

Ceiling Cassette - 4Way

⚠ CAUTION

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

Grille, Case, and Remote Control

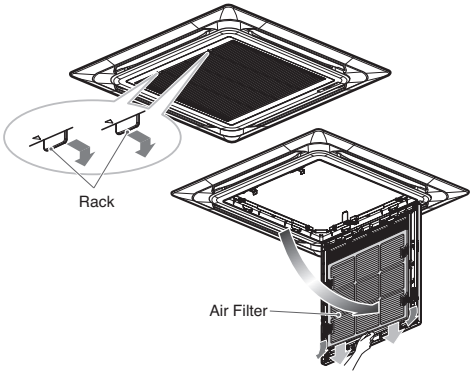
■ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE

Supply power must be disconnected before cleaning the indoor unit.

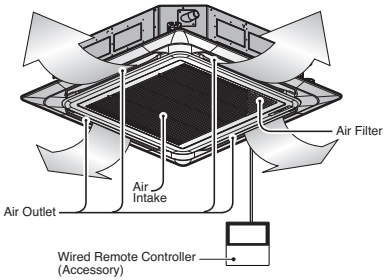
Air Filters

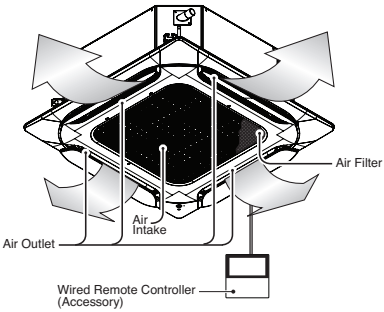
The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if necessary.



■ Never use any of the followings:
- Water hotter than 40 °C.
  Could cause deformation and/or discoloration.
- Volatile substances.
  Could damage the surfaces of the air conditioner.







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.

Ceiling Cassette - Round

⚠ CAUTION

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

Grille, Case, and Remote Control

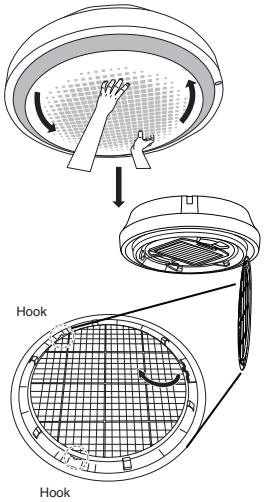
■ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE

Supply power must be disconnected before cleaning the indoor unit.

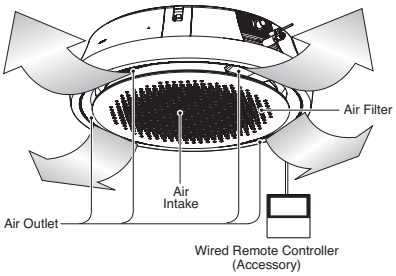
Air Filters

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



■ Never use any of the followings:
- Water hotter than 40 °C. Could cause deformation and/or discoloration.
- Volatile substances. Could damage the surfaces of the air conditioner.





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.

Ceiling Concealed Duct

⚠ CAUTION

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

Grille, Case, and Remote Control

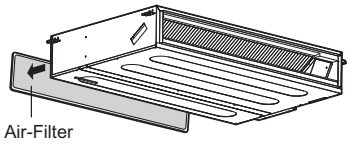
■ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

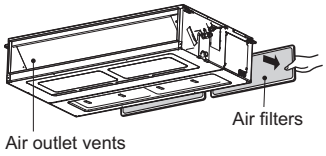
NOTE

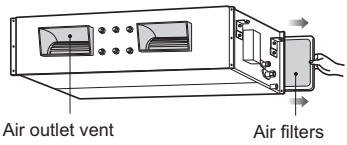
Supply power must be disconnected before cleaning the indoor unit.

Air Filters

The air filters behind Indoor unit
(the suction side) should be checked and cleaned once every 2 weeks or more often if necessary.







* The feature can be changed according to the type of model.

■ 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.



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.

Art Cool Gallery Series

⚠ CAUTION

Before performing any maintenance, turn off the main power to the system, disconnect the circuit breaker and unplug the power cord.

Clean the unit with a soft dry cloth. Do not use bleach or abrasives.

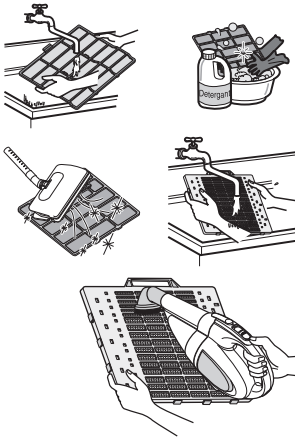


⚠ CAUTION

Never use any of these
- Water hotter than 40 °C. It may cause deformation and discoloration.
- Volatile substances. They may damage the surface of the air conditioner.

Air Filters

The air filters behind the front panel / grill should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water. Dry well in shade after washing and reinstall the filters back in place.



Plasma Filters

The plasma filters behind the air filter should be checked and cleaned once in every 3 months or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner. If it is dirty wash it with water and dry well in shade an install back in place.

Deodorizer Filters

Remove the deodorizer filters behind the air filter and expose them in direct sunlight for 2 hours.
And then insert these filters into original position.

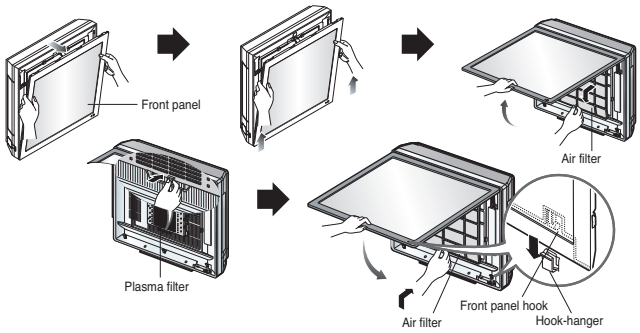
Removal of Filters

Art Cool Type :

Pull out the upper section of front panel and lift it up. Take out a filter with front panel held.

With PUSH button pressed, pull out grip to take out a plasma filter. Dry it completely in the shade after cleaning.

Then set a plasma filter and a filter orderly. Put the hook of front panel onto the hanger, in order to close the front panel.

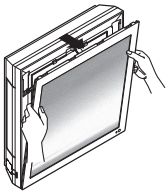


⚠ CAUTION

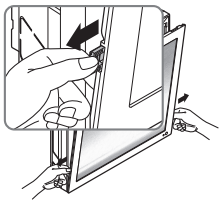
Don't touch this plasma filter within 10 seconds after opening the inlet grille, it may cause an electric shock.

How to replace picture & photograph

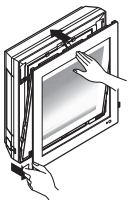
1. Turn off power and then open the upper part of front panel.



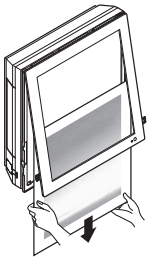
2. Pull out the both links of lower part of front panel, as described in the below picture.



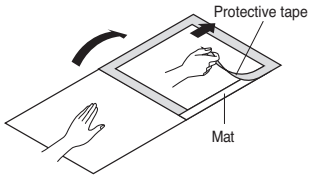
3. Push and close the top part of the front panel and then pull the bottom part of the panel forward until it is secured.



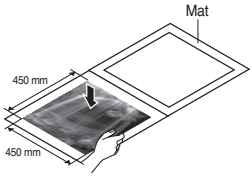
4. Take out picture.



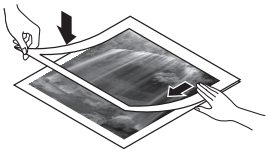
5. Turn upside-down of the picture and turn over mat, then take off a protective tape attached at the mat.



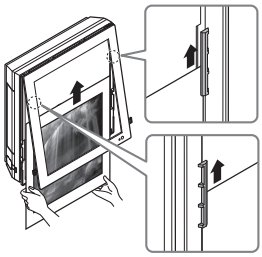
6. Place the picture/photograph between the exited picture and mat. (Recommended size of a photo/picture: 450 mm x 450 mm)



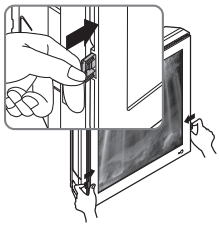
7. Cover mat and press down with hand(s) until contacting closely.



8. Slide the photo graph/drawing requested under both hanger parts as following, and fix them. Press the front panel lightly to close.

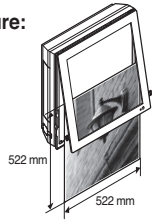


9. Push both links of lower part of panel inside and fix it. Then turn on.



※ **In case a mat is not used, recommended size of a photo/picture:**
522 mm x 522 mm

When powering on after replacing filter and picture, the front panel doesn't intervene.



Wall Mounted

⚠ CAUTION

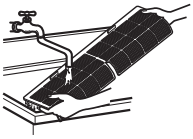
Before performing any maintenance, turn off the main power to the system.



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.

Air Filters

The air filters behind the front panel / grill should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water. Dry well in shade after washing and reinstall the filters back in place.

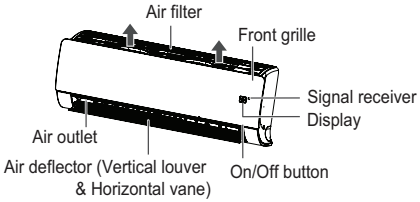


Clean the air filter

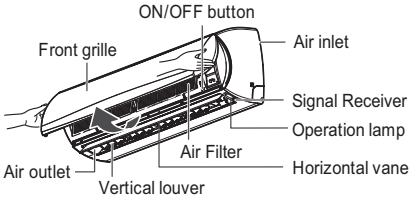
Clean the air filter once every 2 weeks or more if necessary.

1. Turn off the power and unplug the power cord.
2. 5~24 kBtu/h : Hold the knob of air filter, Lift it up slightly.
   30~36 kBtu/h : Open the front panel as shown.

5~24 kBtu/h



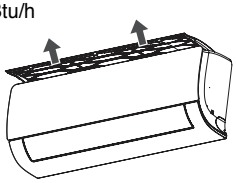
30~36 kBtu/h



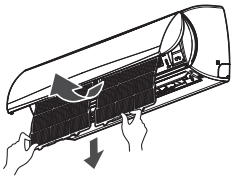
* The feature can be changed according to type of model.

3. 5~24 kBtu/h : Hold the knob of air filter, Lift it up slightly and remove it from the unit.
   30~36 kBtu/h : Pull the filter tab slightly forward to remove the air filter.

5~24 kBtu/h



30~36 kBtu/h



* The feature can be changed according to type of model.

4. Clean the filter with a vacuum cleaner or with warm water.
   - If dirt is difficult to remove, wash the filter in lukewarm water with detergent.
5. Dry the filter in the shade.

NOTE The air filter can be broken when it is bended.

Convertible

⚠ CAUTION

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

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.

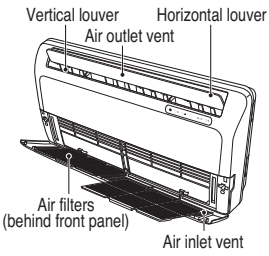


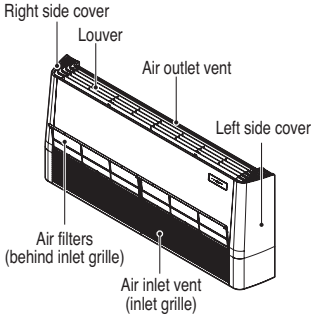
■ Never use any of the followings:
- Water hotter than 40 °C. Could cause deformation and/or discoloration.
- Volatile substances
  Could damage the surfaces of the air conditioner.

Air Filters

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

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





Console

⚠ CAUTION

Before performing any maintenance, turn off the main power to the system, disconnect the circuit breaker and unplug the power cord.

Cleaning of Panel and filters

Clean the unit with a soft dry cloth. Do not use bleach or abrasives.

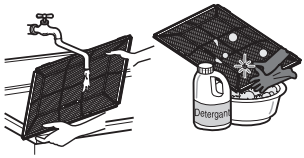
⚠ CAUTION

Never use any of these
- Water hotter than 40 °C. It may cause deformation and discoloration.
- Volatile substances. They may damage the surface of the air conditioner.

Air Filters

The air filters behind the front panel / grill should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams below. Clean the filters with a vacuum cleaner or warm soapy water.
If dirt is not easily removed, wash with a solution of detergent in luke warm water.
Dry well in shade after washing and reinstall the filters back in place.



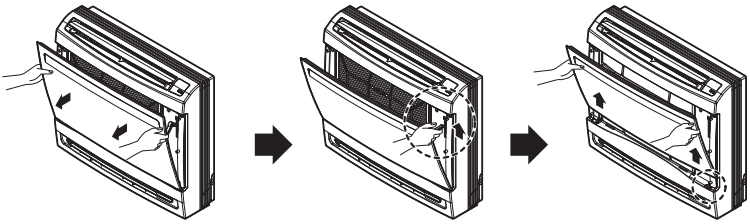


Allergy Filter

Remove the Allergy Filter behind the air filter and expose them in direct sunlight for 2 hours.
And then insert these filters into original position.

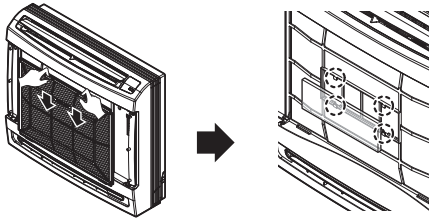
Removal of Grille

1. Open the front grille by pulling forward
2. Then pull out the link of grille from groove in front panel.
3. Then pull out 2 hinges of grille from grooves in front panel.



Removal of Filters

1. Pull down the filter tab slightly to remove the air filter.
2. Hold the tabs of the frame, and remove the claws in 4 places.



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

When it 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.

2 **Turn off the breaker.**

⚠ 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 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 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 reduce the airflow and lower 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.

Before you call for service...

Troubleshooting Tips! Save time and money!

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

The air conditioner does not operate.	The room has a peculiar odor.	It seems that condensation is leaking from the air conditioner.	Air conditioner does not operate for about 3 minutes when restart.
• Have you made a mistake in timer operation? • Has the fuse blown or has the circuit breaker been tripped?	• Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.
Does not cool or heat effectively.	**The air conditioner operation is noisy.**	**Crack sound is heard.**	**Remote control display is faint, or no display at all.**
• 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?	• 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.	• This sound is generated by the expansion/ constriction of the front panel, etc. due to changes of temperature.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?

NOTE

- Water resistant: The outdoor side of this appliance is WATER RESISTANT.
  The indoor side is not water resistant and should not be exposed to excess water.
- Some functions may not be supported, depending on the model.


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