

OWNER'S MANUAL

AIR CONDITIONER

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

Ceiling Concealed Duct



MFL67902905
Rev.08_022724

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ENGLISH

BAHASA INDONESIA

Tiếng Việt

ภาษาไทย

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 : _____

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 or repairs made by unqualified persons can result in hazards to you and others.
- The product shall be installed according to the Wiring regulations of the corresponding country.
- 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.
- Compliance with national gas regulations shall be observed (for R32)
- 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 authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification. (for R32)
- 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)
- Ducts connected to an appliance shall not contain an ignition source. (for R32)

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.
- Keep any required ventilation openings clear of obstruction.(for R32)
- Mechanical connections shall be accessible for maintenance purposes.(for R32)
- Installation work must be performed in accordance with the national wiring standards by authorized personnel only.

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.
 - 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.
- When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.
 - There is risk of product damage or failure, or unintended operation.
- Take care to ensure that nobody could step on or fall onto the outdoor unit.
 - This could result in personal injury and product damage.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer. (for R32)
- Do not pierce or burn. (for R32)
- Be aware that refrigerants may not contain an odour. (for R32)
- When mechanical connectors are reused indoors, sealing parts shall be renewed.(for R32)
- When flared joints are reused indoors, the flare part shall be re-fabricated.(for R32)
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer of its service agent

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.
- 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.
- The appliance shall be stored so as to prevent mechanical damage from occurring. (for R32)
- Refrigerant tubing shall be protected or enclosed to avoid damage. (for R32)
- Flexible refrigerant connectors (such as connecting lines between the indoor and outdoor unit) that may be displaced during normal operations shall be protected against mechanical damage. (for R32)
- The installation of pipe-work shall be kept to a minimum. (for R32)
- A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts. (for R32)
- Pipe-work shall be protected from physical damage.
- Do not install the unit in potentially explosive atmospheres.
- Controls intended to be adjusted during installation or in normal use shall be provided with an indication for the direction of adjustment. (Note : An indication of + and – is considered to be sufficient.)

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.
- Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.
 - There is risk of fire or explosion
- Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.
 - They may burn or explode.
- If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.
 - The chemicals in batteries could cause burns or other health hazards.
- 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.
- Unless it is obviously unnecessary, switches which may give rise to a hazard when operated shall be marked or placed so as to indicate clearly which part of the appliance they control. Indications used for this purpose shall, wherever practicable, be comprehensible without a knowledge of languages or national standards.
- The different positions of switches on stationary appliances and the different positions of controls on all appliances shall be indicated by figures, letters or other visual means. This requirement also applies to switches which are part of a control. If figures are used for indicating the different positions, the off position shall be indicated by the figure 0 and the position for a higher value, such as output, input, speed or cooling effect, shall be indicated by a higher figure. The figure 0 shall not be used for any other indication unless it is positioned and associated with other numbers so that it does not give rise to confusion with the indication of the off position. (NOTE For example, figure 0 may be used on a digital programming keyboard.)
- 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.

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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 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

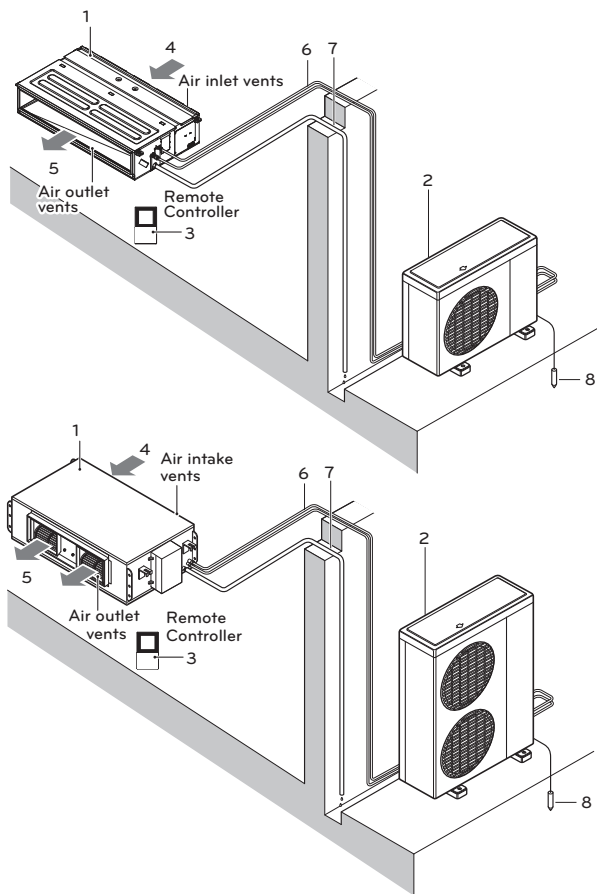
- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure 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

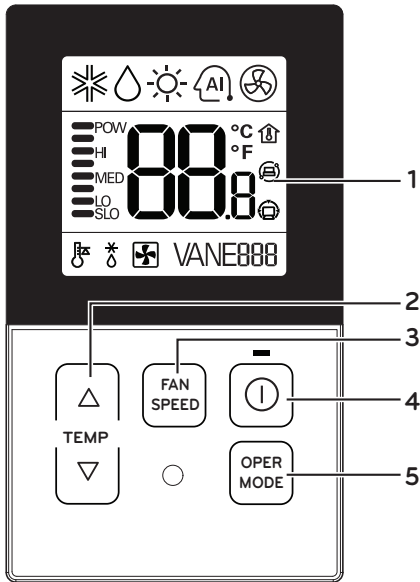
Name and function of parts



- 1 Indoor unit
- 2 Outdoor unit
- 3 Remote controller
- 4 Inlet air
- 5 Discharge air
- 6 Refrigerant piping, connection electric wire
- 7 Drain pipe
- 8 Ground wire
wire to ground outdoor unit to prevent electrical shocks.

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

Wired Remote Controller



- 1 Operation Display Panel
- 2 Temperature Control Button
- 3 Fan Speed Button
- 4 On/Off Button
- 5 Operation Mode select Button

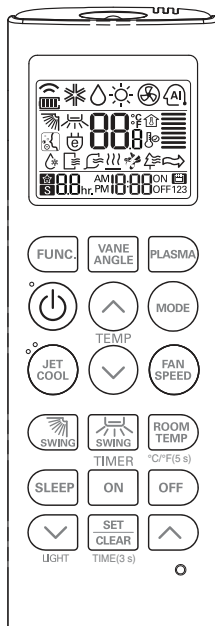
* Some functions may not be operated and displayed depending on the product type.

NOTE

- Display temperature can be different from actual room temperature if the remote controller is installed at the place where sun-rays are falling directly or the place nearby heat source.
- The actual product can be different from above contents depending upon model type.
- When using simultaneous operation system, whenever press remote controller button, system will approximately operate after 1~2 minutes.

Wireless Remote Controller (Accessory)

This air-conditioner is equipped with wired remote controller basically. But if you want to be available with wireless remote controller, you pay for it.



! CAUTION

- Aim at the signal receiver on the wired remote controller so as to operate.
- The remote control signal can be received at a distance of up to about 7m.
- Be sure that there are no obstructions between the remote controller and the signal receptor.
- Do not drop or throw the remote controller.
- Do not place the remote controller in a location exposed to direct sunlight, or near the heating unit, or any other heat source.
- Block a strong light over the signal receptor with a curtain or etc. so as to prevent the abnormal operation. (ex : electronic quick start, ELBA, inverter type fluorescent lamp)

NOTE

- For more details refer to the Wireless Remote Control Accessory manual.
- The actual product can be different from above contents depending upon model type.
- The wireless remote controller does not operate When using simultaneous operation system.

OUTDOOR UNITS INFORMATION

Power Supply : 1Ø, 220-240 V~, 50/60 Hz / 3Ø, 380-415 V~, 50/60 Hz

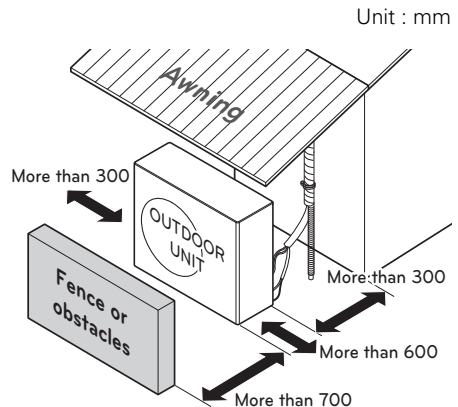
Model		ZUAA1	ZUAB1	ZUAC1
Phase		1P	1P	1P
Refrigerant Precharged Amount	kg	0.75	0.98	1.25
Net Weight	kg	24.2	30.9	41.5
Dimensions (W x H x D)	mm	717 x 483 x 230	770 x 545 x 288	870 x 650 x 330
Piping Connections	Liquid Pipes	Ø 6.35	Ø 6.35	Ø 9.52
	Gas Pipes	Ø 9.52	Ø 12.7	Ø 15.88

Model		ZUAD1	ZUAD3	ZUAE1	ZUAE3
Phase		1P	3P	1P	3P
Refrigerant Precharged Amount	kg	1.8	1.8	2	2
Net Weight	kg	59.5	60.8	66.9	65.1
Dimensions (W x H x D)	mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
Piping Connections	Liquid Pipes	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
	Gas Pipes	Ø 15.88	Ø 15.88	Ø 15.88	Ø 15.88

INSTALLATION OF OUTDOOR UNIT

Installation Places

- If an awning is built over the unit to prevent direct sunlight or rain exposure, make sure that heat radiation from the condenser is not restricted.
- Ensure that the spaces indicated by arrows around front, back and side of the unit.
- Do not place animals and plants in the path of the warm air.
- Take the air conditioner weight into account and select a place where noise and vibration are minimum.
- Select a place so that the warm air and noise from the air conditioner do not disturb neighbors.



INDOOR UNITS INFORMATION

Power Supply : 1Ø, 220-240 V~, 50/60 Hz

Model		ZBNQ18GM1A0	ZBNQ24GM1A0	ZBNQ36GM3A0
Phase		1P	1P	1P
Net Weight	kg	23.8	25.3	37.2
Dimensions (W x H x D)	mm	900 x 270 x 700	900 x 270 x 700	1250 x 360 x 700
Piping Connections	Liquid Pipes	Ø 6.35	Ø 9.52	Ø 9.52
	Gas Pipes	Ø 12.7	Ø 15.88	Ø 15.88

Model		ZBNQ36LM3A0	ZBNQ48GM3A0	ZBNQ48LM3A0	ZBNQ60GM3A0
Phase		3P	1P	3P	1P
Net Weight	kg	37.2	41.8	41.8	41.8
Dimensions (W x H x D)	mm	1250 x 360 x 700	1250 x 360 x 700	1250 x 360 x 700	1250 x 360 x 700
Piping Connections	Liquid Pipes	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
	Gas Pipes	Ø 15.88	Ø 15.88	Ø 15.88	Ø 15.88

Selection of the best location

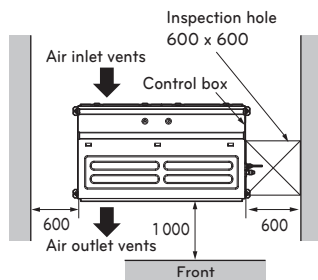
Install the air conditioner in the location that satisfies the following conditions.

- The place shall easily bear a load exceeding four times the indoor unit's weight.
- The place shall be able to inspect the unit as the figure.
- The place where the unit shall be leveled.
- The place shall easily connect with the outdoor unit.
- The place where the unit is not affected by an electrical noise.
- The place where air circulation in the room will be good .
- There should not be any heat source or steam near the unit

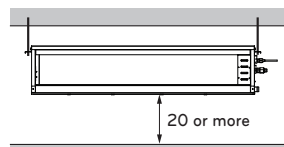
Confirm the positional relationship between the unit and suspension bolts.

- Installation the ceiling opening to clean the filter or service under the product.

Top view
Unit: mm



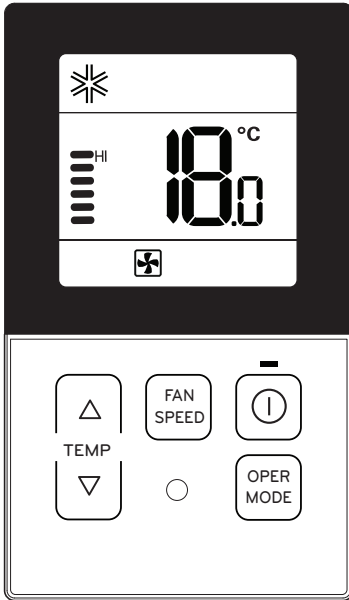
Front view
Unit: mm




OPERATING INSTRUCTIONS



Standard Operation - Standard Cooling

It cools the room by comfortable and clean wind.



1 Cooling operation will begin if you press the  button.

2 Press the temperature button and set the desired room temperature lower than the current room temperature.

-  A click of the button will increase the desired temperature by 1°C or 2°F.
-  A click of the button will decrease the desired temperature by 1°C or 2°F.

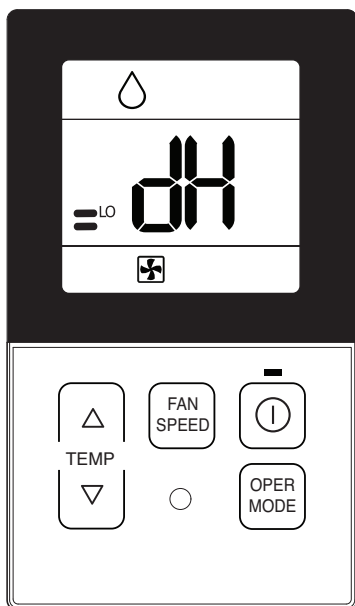
- Setting temp range : 18°C~30°C (64°F~86°F)
- If the desired temperature is set higher than the current room temperature, the cooling function will not begin and just the blowing operation will continue.




3 If you press the mode button during the operation, the operation mode will be changed in the order of cooling, dry(dehumidification),heating,auto-operation and fan operation. If the product is a cooling-only model, the operation mode will be changed in the order of cooling, dry(dehumidification), auto-operation and fan operation.

4 If you press the  button, the cooling operation will stop.

Standard Operation - Dehumidification Mode

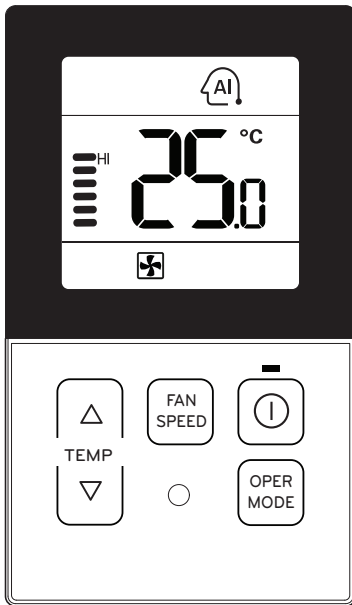
It removes humidity while air-cooling weakly.





- 1 After operating the product by pressing the  button, set up the dry (Dehumidification) by pressing the  button.
- 2 When the dry operation is selected, "dh" will be shown on the display window as shown on the left side.
 - The temperature setting can not be adjusted during operation this mode.
- 3 Press the  button to select airflow rate [LO→MED→HI].
 - The initial wind powerfulness of humidity removal drive is 'weak'.

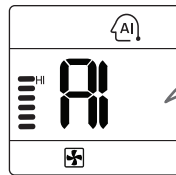
- In rainy season or high humidity climate, it is possible to operate simultaneously dehumidifier and cooling mode to remove humidity effectively.
- The menu item of wind powerfulness might not be partially selected according to the product.






Standard Operation - Auto Operation Mode



- 1 After operating the product by pressing the  button, set up the auto operation by pressing the  button.
- 2 When desired the set temperature is lower than the room temperature during the auto operation
=> Cooling operation

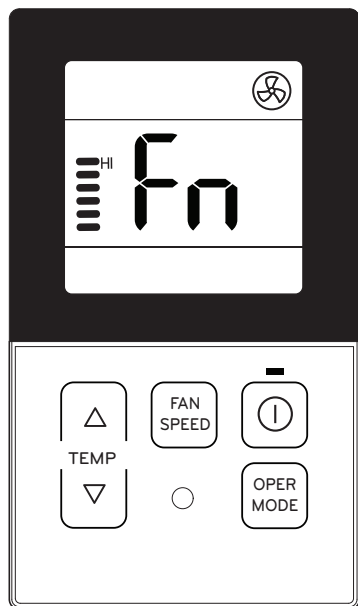
- Setting temp range : 18°C~30°C (64°F~86°F)
- 3 "Auto Operation Mode"
For the products with the exclusive purpose of cooling only, "AI" is indicated at the temperature display section.





-  When cold
 When cool
 When appropriate
 -  When warm
 -  When hot


Standard Operation - Fan Mode

It blows the air as it is in the indoor, not the cold wind.



1 After operating the product by pressing the  button, set up the fan operation by pressing the  button.

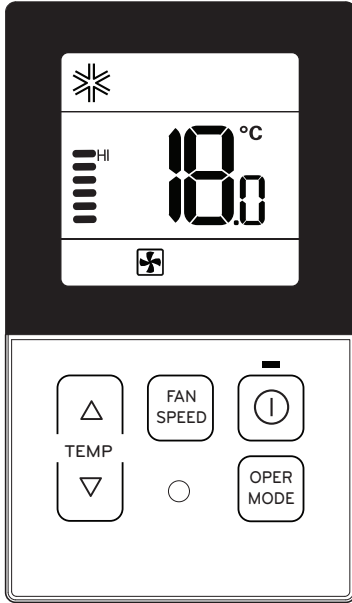
2 When the dry operation is selected, "Fn" will be shown on the display window as shown on the left side.
- The temperature setting can not be adjusted during operation this mode.



3 Press the  button to select airflow rate [LO→MED→HI].
When running ventilation, compressor of AHU doesn't work.

- Ventilation drive does not release cool wind but general fan
- Because it releases the wind that has no temperature difference from the room, it functions to circulate the inside air.
- The menu item of wind powerfulness might not be partially selected according to the product.

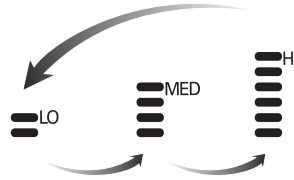
Function Setting - Fan Speed Selection

It blows the air as it is in the indoor, not the cold wind.



- 1 Select the proper fan speed which you want by pressing the  button on the remote controller.
 - If you press the  button, the fan speed will change in the order of [LO→MED→HI].
 - The initial fan speed is "Hi".
 - If the product is not compatible with the fan speed control, it will not function as per your selection.

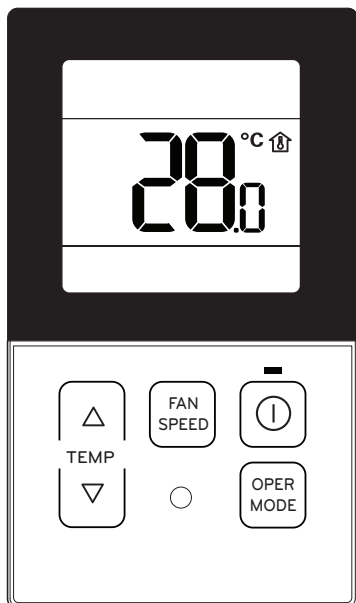
Fan Speed Selection in Cooling Operation



Fan Speed Selection in Dry, Fan, Auto-Operation



Standard Operation - Temperature Setting/Room Temperature Check



As the temperature distribution of the remote controller installation space is not uniform, slight difference can be generated between the actually felt temperature and the room temperature indication of the remote controller.

- For air-cooling drive, from 18°C to 30°C you can select desired temperature.
- 5°C is proper for the difference between room and outside temperature.

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

Temperature Setting

- 1 We can simply adjust the desired temperature.
 - Press the buttons to adjust the desired temperature.

: Increase 1°C or 2°F per one time pressing

: Decrease 1°C or 2°F per one time pressing

- Room temp : Indicate the current room temperature.
- Set temp : Indicate the temperature that user want to set.

* Depend on what kind of controller, the desired temperature can be adjusted at 0.5°C or 1°F.

Cooling operation:

- The cooling mode doesn't work if desired temperature is higher than room temperature. Please lower the desired temperature.

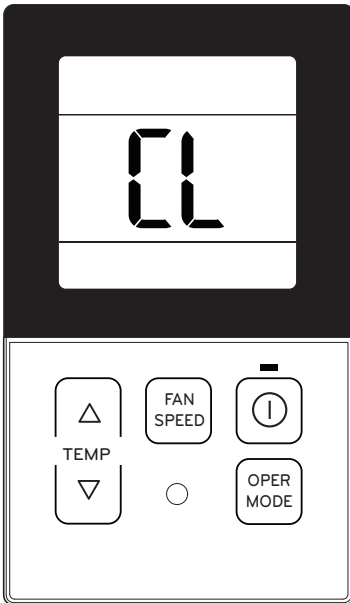
Room Temperature Check



- 1 When pressing the button of the remote controller adjustment section for approx. 3 seconds, the room temperature will be indicated for about 5 seconds before resuming to the previous display panel.

In the case of the room temperature display, the room temperature can be different in accordance with the setting of the remote controller's room temperature detection selection.



Function setting - Child Lock



It is the function to use preventing children or others from careless using.



1 During the operation, when pressing the  button and  button for approx. 3 seconds, the 'Child Lock' function can be used.

- At the time of initial setting of the 'Child Lock', the 'CL' will be indicated approx. 3 seconds at the temperature display section before resuming to the previous mode. After the setting of the 'CL', if another button is setup, the button can not be recognized as the 'CL' is indicated at the temperature display section for approx. 3 seconds.

2 If the 'CL' function is wanted to be used under the operation standby state, press the  button and  button for approx. 3 seconds under the standby mode state and the system will be the 'CL' state.

3 As for the releasing method, when pressing the  Button and  button for approx. 3 seconds, the 'CL' function can be released.

MAINTENANCE AND SERVICE

CAUTION

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

Grille, Case and Remote Control

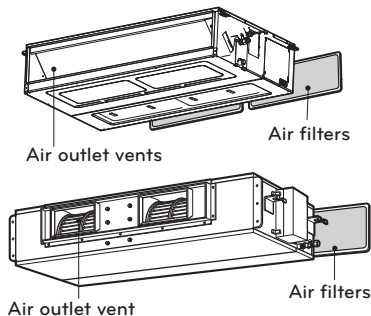
- Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE

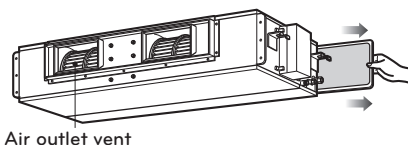
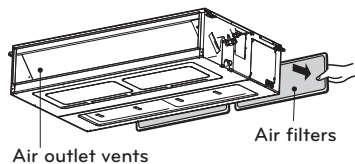
- Power supply must be disconnected before cleaning the indoor unit.

Air Filters

The air filters behind the air intake vent 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.



- 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.

- 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 °C or more) is used, it may be deformed.
- 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.
- Install the air filter.
- * The Feature may be changed according to the type of model.

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.

- 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.
- 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.

- Clean the air filter and install it in the indoor unit.
- Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
- 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.

Troubleshooting Tips! Save time and money!

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

The air conditioner does not operate. <ul style="list-style-type: none"> - 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. <ul style="list-style-type: none"> - Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room. 	It seems that condensation is leaking from the air conditioner. <ul style="list-style-type: none"> - 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. <ul style="list-style-type: none"> - This is the protector of the mechanism. - Wait about three minutes and operation will begin.
Does not cool or heat effectively. <ul style="list-style-type: none"> - 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? 	The air conditioner operation is noisy. <ul style="list-style-type: none"> - For a noise that sounds like water flowing. <ul style="list-style-type: none"> * This is the sound of freon flowing inside the air conditioner unit. - For a noise that sounds like the compressed air releasing into atmosphere. <ul style="list-style-type: none"> * This is the sound of the dehumidifying water being processed inside the air conditioning unit. 	Crack sound is heard. <ul style="list-style-type: none"> - This sound is generated by the expansion/ constriction of the front panel, etc. due to changes of temperature. 	Remote control display is faint, or no display at all. <ul style="list-style-type: none"> - 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.

