

OWNER'S MANUAL AIR CONDITIONER

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

TYPE: Vertical Air Handling Unit

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FOR YOUR RECORDS

Write the model and serial numbers here:

Model # _____

Serial # _____

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

Dealer's Name _____

Date Purchased _____

■ Staple your receipt to this page in the event you need to prove date of purchase or to issue warranty.



READ THIS MANUAL

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

Troubleshooting Tips first, you may not need to call for service at all.



PRECAUTION

- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or invalids without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.



Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

- Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

⚠ WARNING This symbol indicates the possibility of death or serious injury.

⚠ CAUTION This symbol indicates the possibility of injury or damage to properties only.

- Meanings of symbols used in this manual are as shown below.



Be sure not to do.



Be sure to follow the instruction.

⚠ WARNING

■ Installation

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

- There is risk of fire or electric shock.

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

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

Always ground the product.

- There is risk of fire or electric shock.

Install the panel and the cover of control box securely.

- There is risk of fire or electric shock.

Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock

Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.

Do not modify or extend the power cable.

- There is risk of fire or electric shock.

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

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

Be cautious when unpacking and installing the product.

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

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

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

Do not install the product on a defective installation stand.

- It may cause injury, accident, or damage to the product.

Be sure the installation area does not deteriorate with age.

- If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.

■ Operation

Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

- Moisture may condense and wet or damage furniture.

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

- There is risk of fire or 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.

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

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.

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

- There is risk of fire or 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 power cable could not be pulled out or damaged 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 store or use flammable gas or combustibles near the product.

- There is risk of fire or failure of product.

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

- There is risk of electric shock or fire.

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

- 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 place a heater or other appliances near the power cable.

- There is risk of fire and electric shock.

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

- Oxygen deficiency could occur.

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.

Be cautious that water could not enter the product.

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

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.

⚠ CAUTION

■ Installation

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

- Low refrigerant levels may cause failure of product.

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.

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

- A bad connection may cause water leakage.

Use two or more people to lift and transport the product.

- Avoid personal injury.

Keep level even when installing the product.

- To avoid vibration or water leakage.

Do not install the product where it will be exposed to sea wind (salt spray) directly.

- It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.

■ Operation

Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm to your health.

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.

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.

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

- Be careful and avoid personal injury.

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.

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 touch the metal parts of the product when removing the air filter. They are very sharp!

- There is risk of personal injury.

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.

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

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.

Do not block the inlet or outlet of air flow.

- It may cause product failure.

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

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

Do not drink the water drained from the product.

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

Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.

- They may burn or explode.

Change the air filter at least every 2 months.

- Dirty filters greatly restrict the flow of air and may cause damage to the moving parts.
- If the filters become clogged the Electric Heaters and blower motor could overheat resulting in a potentially dangerous situation.

Prior to Operation

Preparing for operation

1. Contact an installation specialist for installation.
2. Plug in the power plug properly.
3. Use a dedicated circuit.
4. Do not use an extension cord.
5. Do not start/stop operation by plugging/unplugging the power cord.
6. If the cord/plug is damaged, replace it with only an authorized replacement part.
7. Air filter is not factory installed. It must be purchased separately.

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

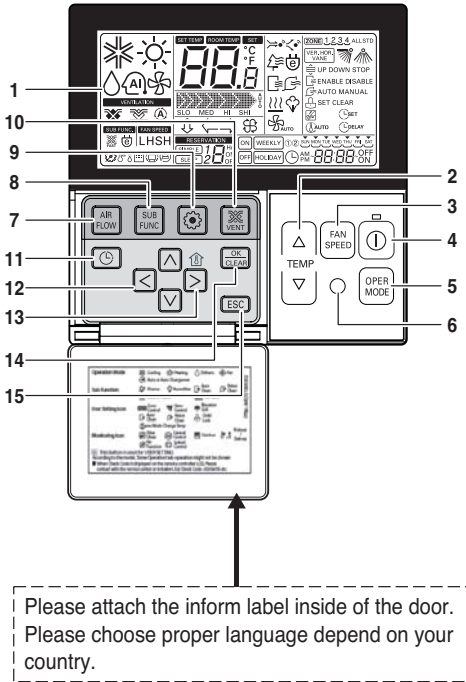
1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure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

Name and function of wired remote controller(Accessory)



1. Operation indication screen
2. Set temperature button
3. Fan speed button
4. ON/OFF button
5. Operation mode selection button
6. Wireless remote controller receiver
 - Some products don't receive the wireless signals.
7. Air flow button
8. Subfunction button
9. Function setting button
10. Ventilation button
11. Reservation
12. Up,down,left,right button
 - To check the indoor temperature, press  button.
13. Room temperature button
14. Setting/Cancel button
15. Exit button

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

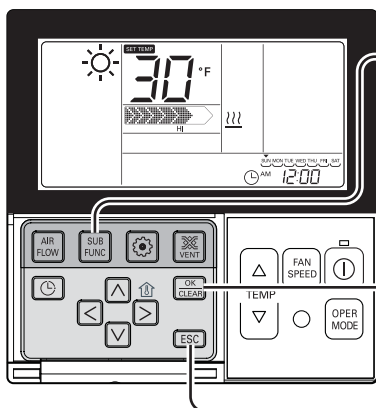
※ If you want to know more information, please refer to Wide Wired Remote Control Manual.

Model : PQRCVSL0 (Black Color)
PQRCVSL0QW (White Color)

Sub function (wired remote controller)-Electric Heater

It is a function to strengthen the heating ability by turning on the electric heater during the heating operation.

It can only be set during heating operation.



1 Repeatedly pressing **SUB FUNC** button until **||||** icon flash.



2 Turn on/off ELECTRIC HEATER by pressing **OK CLEAR** button (the **||||** icon will be displayed in case of SETTING option and disappear in reverse case .)

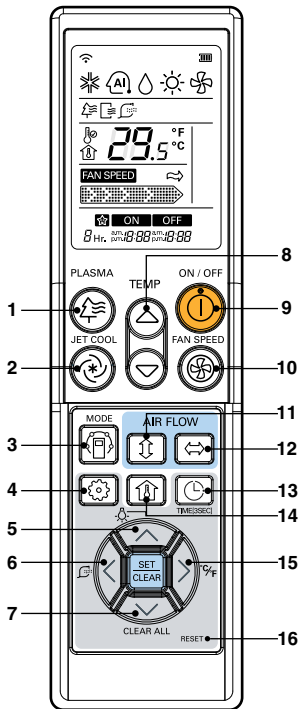


3 Press **ESC** button to exit.
 * After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
 * When exiting without pressing set button, the manipulated value is not reflected.

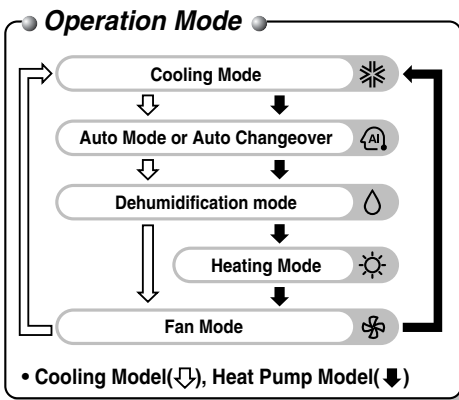


- The electric heaters must be purchased separately and installed.
- Heater function is additional function and it might not be operated at the partial product.
- Electric heater must be of LG made.
(Model: ANEH053B1, ANEH103B2, ANEH153B2, ANEH203B2)
- If you want to buy heater, please contact LGE.

Name and function of wireless remote controller(Accessory)



PQWRCDF0 (Heat pump)
PQWRHDF0 (Cooling only)



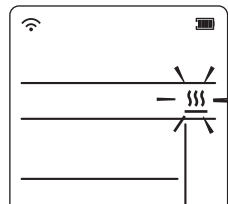
1. **Plasma button**
Not working.
2. **Jet cool button**
Not working.
3. **Operation mode selection button**
Used to select the operation mode.
4. **Function setting button**
Used to set electric heater.
5. **LCD luminosity button**
Not working.
6. **Smart clean button**
Not working.
7. **Clear all button**
Used to clear all timer.
8. **Room temperature setting button**
Used to select the setting outlet temperature
9. **ON/OFF button**
Used to turn off/on the unit.
10. **Indoor fan speed selection button**
11. **Auto swing button**
Not working.
12. **Horizontal airflow direction control button**
Not working.
13. **Timer and time setting button**
Used to set the time of starting or stopping and sleeping operation.
14. **Room temperature checking button**
15. **°C/°F switch button**
Used to switch temperature reading from Celsius to Fahrenheit.
16. **Reset button**
Used to reset the remote controller.

※ If you want to know more information, please refer to Wide Wired Remote Control Manual.

Sub function (wireless remote controller)-Electric Heater

It can only be set during heating operation.

- 1** Press the FUNCTION SETTING button 3 times.
Electric heater symbol will blink.



- 2** Press the SET/CLEAR button to reserve or cancel the Electric heater function.



- The electric heaters must be purchased separately and installed.
- Heater function is additional function and it might not be operated at the partial product.
- Electric heater must be of LG made.
(Model: ANEH053B1, ANEH103B2, ANEH153B2, ANEH203B2)
- If you want to buy heater, please contact LGE.

Maintenance and Service



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

Air filter

Air filters must be purchased separately. Dirty filters greatly restrict the flow of air and may cause damage to the moving parts. If the filters become clogged the Electric Heaters and blower motor could overheat resulting in a potentially dangerous situation. The filters should be replaced at least once a month. On new construction, check the filters every week for the first four weeks and every three weeks after that, especially if the indoor fan is running continuously. When replacing the Filter you must use filters that are the same size as those recommended in Table 1.

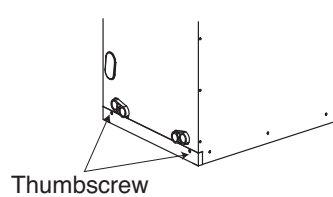
Filter Care

Inspect the air filter every month. If dirty, wash reusable filters with a mild detergent. Replace disposable filters with new filters. Filters should be clean to assure maximum efficiency and adequate air circulation. Drapes, furniture or other obstructions blocking your supply and return air grilles will also decrease efficiency.

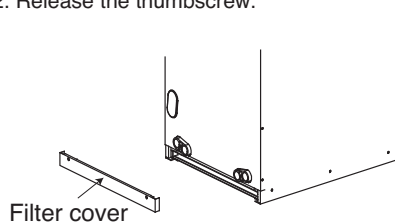
How to Clean your Filter

Permanent type, washable, High-velocity filters may be cleaned with a vacuum cleaner or taken away from the unit & washed with a garden hose. Be sure to shake off excess water and allow filter to completely dry before re-installing the filter.

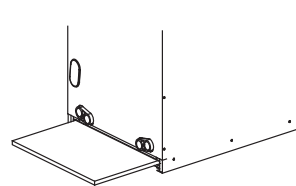
1. Turn off the product, check the fan to stop.



2. Release the thumbscrew.



3. Take out the filter cover.



4. Slide dirty filter out, replace with a new filter.
5. To assemble in reverse order.

Table 1

Unit: Inch (mm)

Capacity (kBtu/h(RT))	Disposable Filter Size for Built-in Filter Compartment
18(1.5)	16 x 20 x 1 (406 x 508 x 25)
24(2.0)	
30(2.5)	
36(3.0)	
42(3.5)	20 x 24 x 1 (508 x 610 x 25)
48(4.0)	
54(4.5)	

NOTICE

Filters should be used a rating of MERV 4 or less.
If you use filters that has a rating MERV 5 or above, it can cause cooling & heating capacity down.

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 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 connected to the indoor unit side.

Operation Tips

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



Troubleshooting Tips! Save time and money!

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

<p>The air conditioner does not operate.</p> <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? 	<p>The room has a peculiar odor.</p> <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. 	<p>It seems that condensation is leaking from the air conditioner.</p> <ul style="list-style-type: none"> • Condensation occurs when the airflow from the air conditioner cools the warm room air. 	<p>Air conditioner does not operate for about 3 minutes when restart.</p> <ul style="list-style-type: none"> • This is the protector of the mechanism. • Wait about three minutes and operation will begin.
<p>Does not cool or heat effectively.</p> <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? 	<p>The air conditioner operation is noisy.</p> <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. 	<p>Crack sound is heard.</p> <ul style="list-style-type: none"> • This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature. 	<p>Remote control display is faint, or no display at all.</p> <ul style="list-style-type: none"> • Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?

NOTICE

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.

