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OWNER'S MANUAL

AIR CONDITIONER



In order to use the product safely and conveniently, please read the owner's manual before using the product.

ENGLISH

TYPE: PORTABLE AIR CONDITIONER (INVERTER)



MFL70521451
Rev.00_102025

www.lg.com

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This manual may contain images or content that may be different from the model you purchased.
This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

Safety Messages



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.

Notes for Flammable Refrigerant

The following symbols are displayed on units.



This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.



This symbol indicates that the Owner's Manual should be read carefully.



This symbol indicates that service personnel should be handling this equipment with reference to the Installation Manual.



This symbol indicates that information is available in the Owner's Manual or Installation Manual.

WARNING INSTRUCTIONS

WARNING

- To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Technical Safety

- 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.
- Before use, the appliance must be properly installed as described in this manual.
- Contact the authorized service technician for repair or maintenance of this unit.

- When the power cord is to be replaced, the replacement work shall be performed by authorized personnel using only genuine replacement parts.
- This appliance must be properly grounded to minimize risk of electric shock.
- Do not cut or remove the grounding prong from the power plug.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Plug in the power plug properly.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
- The connection plug must only be connected to a socket with the same technical characteristics as the plug.

Installation

- Use standard circuit breaker and fuse that conform to the rating of the air conditioner.
- Use a dedicated circuit.
- Do not disassemble or modify the product.
- Use care when unpacking and installing. The edges of the product may be sharp.
- Disconnect the power cord or circuit breaker before installing or servicing the appliance.
- Safely dispose of packing materials such as screws, nails, plastic bags or batteries using proper packaging after installation or repair.
- Store and install the product where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.
- Do not install the air conditioner in a place where flammable liquids or gases such as gasoline, propane, paint thinner, etc., are stored.
- Use non-flammable gas (nitrogen) to check for leaks and to purge air; using compressed air or flammable gas may cause fire or explosion.

- Keep level parallel in installing the product. Otherwise, it may cause vibration or water leakage. It may cause injury or an accident.
- Do not install the unit in potentially explosive atmospheres.
- Compliance with national gas regulations shall be observed.

Operation

- Do not modify or extend the power cable. Scratches or peeling insulation on the power cables may result in fire or electric shock, and should be replaced.
- Do not start/stop operation by plugging/unplugging the power cord.
- Use this appliance only for its intended purpose.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Repair or immediately replace all power cords that have become frayed or otherwise damaged.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not run cord under carpets or mats where it could be stepped on and damaged.
- Keep the cord out from under heavy objects like tables or chairs.
- Do not place a heater or other heating appliances near the power cable.
- Do not use an adapter or plug the product into a shared outlet.
- Do not tamper with controls.
- If you detect a strange sound, a chemical or burning smell, or smoke coming from the appliance, unplug it immediately, and contact an LG Electronics Customer Information Center.
- Never unplug the appliance by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
- Never touch, operate, or repair the air conditioner with wet hands.
- Be sure to use only those parts listed in the service parts list. Never attempt to modify the equipment.

- If water enters the product, turn off the power at the main circuit, then unplug the product and call for service.
- If the product has been submerged, contact the LG Electronics Customer Information Center for instructions before resuming use.
- Unplug the product when unused for long periods.
- In the event of a gas leak (such as Freon, propane gas, LP gas, etc.) ventilate sufficiently before using the air conditioner again.
- To clean the interior, contact the LG Electronics Customer Information Center or dealer.
- Using harsh detergents may cause corrosion or damage to the unit.
- Do not use solvent-based detergent on the product. Doing so can cause corrosion or damage, product failure, electrical shock, or fire.
- Ducts connected to an appliance shall not contain an ignition source.
- This appliance incorporates an earth connection for functional purposes only.
- Do not leave flammable substances such as gasoline, benzene, or thinner near the air conditioner.
- Make sure that children do not climb on.
- Do not touch the refrigerant pipe, water pipe or any internal parts while the unit is operating or immediately after operation.

Important Safety Instructions

• Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

• Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

• General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

- **Checking for presence of refrigerant**

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

- **Presence of fire extinguisher**

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

- **No ignition sources**

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.

- **Ventilated area**

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

- **Checks to the refrigeration equipment**

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed.
- The ventilation machinery and outlets are operating adequately and are not obstructed.
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant.
- Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected.
- Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

• **Checks to electrical devices**

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- Capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
- No live electrical components and wiring are exposed while charging, recovering or purging the system.
- Continuity of earth bonding.

• **Repairs to sealed components**

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.

If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres.

Replacement parts shall be in accordance with the manufacturer's specifications.

- **Repair to intrinsically safe components**

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.

The test apparatus shall be at the correct rating.

Replace components only with parts specified by the manufacturer.

Other parts may result in the ignition of refrigerant in the atmosphere from a leak

- **Cabling Check**

Cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.

The check shall also take into account the effects of ageing or continual vibration from sources such as compressors or fans.

- **Detection of flammable refrigerants**

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

• **Leak detection methods**

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/ extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

• **Removal and evacuation**

When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:

- Remove refrigerant
- Purge the circuit with inert gas
- Evacuate
- Purge again with inert gas
- Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be "flushed" with OFN to render the unit safe. This process may need to be repeated several times.

Compressed air or oxygen shall not be used for this task. Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

• **Charging procedures**

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept upright.
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

• **Decommissioning**

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of

reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

- a) Become familiar with the equipment and its operation.
- b) Isolate system electrically.
- c) Before attempting the procedure ensure that:
 - mechanical handling equipment is available, if required, for handling refrigerant cylinders;
 - all personal protective equipment is available and being used correctly;
 - the recovery process is supervised at all times by a competent person;
 - recovery equipment and cylinders conform to the appropriate standards.
- d) Pump down refrigerant system, if possible.
- e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- f) Make sure that cylinder is situated on the scales before recovery takes place.
- g) Start the recovery machine and operate in accordance with manufacturer's instructions.
- h) Do not overfill cylinders. (No more than 80 % volume liquid charge).
- i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
- j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

• Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant

• **Recovery**

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge are available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs. The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt. The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

WARNING

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

- The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).
- Do not pierce or burn. Be aware that flammable refrigerants may not contain an odor.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Pipe-work shall be protected from physical damage.
- 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.
- 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.

CAUTION INSTRUCTIONS

CAUTION

- To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Installation

- Take care when installing the air conditioner that exhaust or condensation does not damage nearby property.
- Follow installation instructions exactly to avoid excessive vibration or water leakage.

- Install the air conditioner so that the noise or hot wind from the appliance may not cause any damage to the neighbors. Otherwise, it may cause dispute with the neighbors.
- When installing or moving the air conditioner, be careful not to pinch, crush, or damage the power cord.

Operation

- Do not use the product for special purposes, such as preserving foods, works of art, etc. the air conditioner is designed for consumer purposes, and is not a precision refrigeration system. There is risk of damage or loss of property.
- Do not block the inlet or outlet of airflow.
- Do not place any object on the air conditioner.
- Make sure that the filter is installed before operating the air conditioner.
- Do not drink the water drained from the air conditioner.
- Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- Do not expose people, animals, or plants to the cold or hot wind from the air conditioner for extended periods of time.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

Maintenance

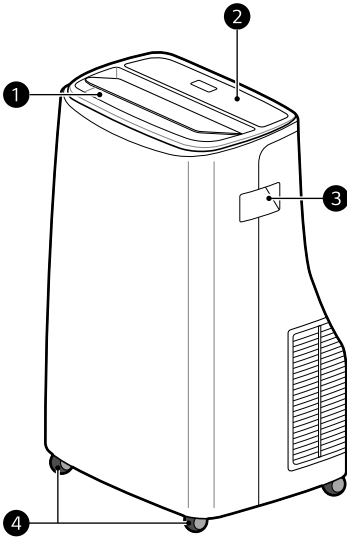
- Use a soft cloth to clean the air conditioner. Do not use waxes, thinners, or harsh detergents.
- Clean the filter every two weeks.
- Never touch the metal parts of the air conditioner when removing the air filter.
- Never use strong cleaning agents or solvents or spray water when cleaning the air conditioner. Use a soft cloth.

INSTALLATION

Before Installation

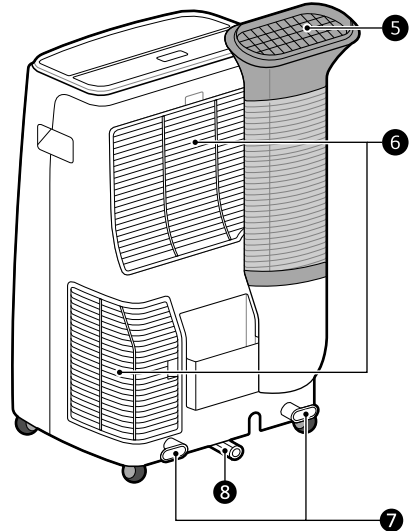
Product Overviews

Front View



- ① Air Discharge
- ② Control Panel and Display
- ③ Integrated Handles
- ④ Swiveling Casters


Rear View



- ⑤ Hose and Diffuser
- ⑥ Air Filter
- ⑦ Power Cord Holder
- ⑧ Bottom Drain Port

Electrical Data

for 220 V~

| Use Wall Receptacle | Power Supply |
|---|---|
|  <p>Standard 220 V~, 3-wire grounding receptacle rated 16 A / 220 V~ / 50 Hz</p> | Use 16 A, time delay fuse or 16 A, circuit breaker. |

⚠ WARNING

- This appliance should be installed in accordance with the National Electrical Code.
- Use of extension cords could cause serious injury or death.
 - Do not use an extension cord with this portable air conditioner.
 - Do not use surge protectors or multi-outlet adapters with this portable air conditioner.

⚠ CAUTION

- The conductors inside this cord are surrounded by shields, which monitor leakage current. These shields are not grounded. Periodically examine the cord for any damage. Do not use this product in the event the shields become exposed. Avoid shock hazard. This unit cannot be user-serviced. Do not open the tamperresistant sealed portion. All warranties and performance will be voided. This unit is not intended to be used as an ON/OFF switch.

Before Installation the Air Conditioner

PREPARING FOR OPERATION

Refer to the Installation Instructions included in this manual before using the air conditioner. Once the air conditioner has been properly assembled and installed:

- 1 Plug the power cord into its own dedicated properly grounded outlet. Do not plug other appliances into the same outlet. Doing so could overload the outlet and create a fire hazard.
- 2 Make sure the air conditioner and cord are positioned where they do not create a tripping hazard and will receive adequate ventilation. Do not place the appliance near furniture or objects that could block the vent openings.
- 3 Make sure that any items that could be blown over or damaged by the airflow from the fan are out of the airflow path.

⚠ CAUTION

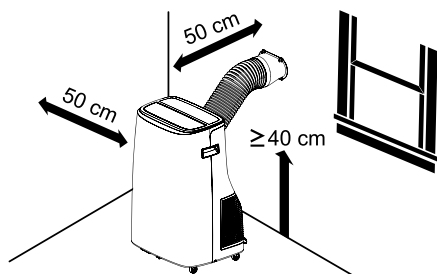
- Do not remain in the direct airflow from the air conditioner for extended periods of time.
- When used at the same time as stoves, fireplaces, and other combustion devices, make sure there is a sufficient flow of fresh air into the room. Do not use in tightly enclosed spaces with these types of devices.
- This air conditioner is intended for household use as a consumer comfort appliance. Do not use it as a precision climate control system, or for purposes such as cooling precision equipment, food, pets, plants, artwork, etc. Such items could be damaged.
- Do not bend the hose downward when window installation kit is not applied. It may cause failure of air conditioner or performance deterioration.

UNPACKING THE AIR CONDITIONER

- Remove and store packing materials for reuse.
- Remove any shipping tape before using the air conditioner. If the tape leaves behind any adhesive, rub a small amount of liquid dish soap onto it and wipe with a damp cloth.
- Do NOT use sharp instruments, alcohol, thinners, or abrasive cleaners to remove adhesive. They could damage the finish.

Installation Location

- Place the unit on a level floor.
- For best performance, allow at least 40 cm of air space on all sides of the unit for good air circulation.
- Place the unit near a window. The hose and diffuser will be used to connect the appliance to the window installation kit to vent exhaust air outside.



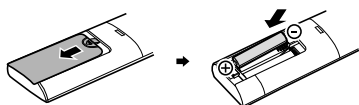
OPERATION

Preparation before Operation

Inserting the Batteries into the Wireless Remote Control

Insert AAA (1.5 V) batteries into the wireless remote control.

- Remove the battery cover, then insert the new batteries and make sure that the + and - terminals of the batteries are installed correctly.

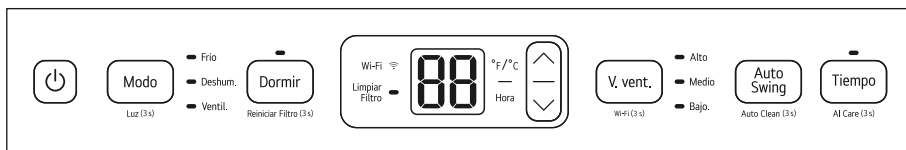




NOTE






- When the wireless remote control display begins to fade, replace AAA (1.5 V) batteries.
 - Do not use old and new batteries together.
 - Do not use batteries other than alkaline.
-

Control Panel Overview

Control Panel



| Image | Description |
|---|--|
|  | <p>Power Turns the appliance on or off.</p> |
|  | <p>Mode Selects the desired operation mode. Each press changes the modes in this order: Cool → Dry → Fan</p> <ul style="list-style-type: none"> • Cool This mode is ideal on hot days to cool and dehumidify the room quickly. Use the Temperature ▲ ▼ buttons to set the target room temperature and use the Fan Speed button to set the desired fan circulation speed. • Dry This mode is ideal for rainy and damp days to dehumidify the room rather than cooling it significantly. Humidity is reduced from the room by the combination of compressor operation and the fan speed fixed at Low. The compressor and fan turn off once the set temperature is reached. Fan speed cannot be adjusted in Dry mode. • Fan In this mode the fan circulates air but the compressor does not run. Use the Fan Speed button to set fan speed to High, Mid or Low. In this mode, you cannot adjust the set temperature. <p>Light (3 s) Press and hold the Mode button for about 3 seconds to set the brightness of the control panel.</p> <ul style="list-style-type: none"> • Each press changes the brightness in this order: 100 % → 50 % → Off |

| Image | Description |
|--|--|
|  <small>Reiniciar Filtro (3 s)</small> | <p>Sleep Automatically turns the appliance off at a desired time. Use it before sleeping.</p> <hr/> <p>Filter Reset (3 s) Press and hold the Sleep button for about 3 seconds to turn the filter alarm off.</p> <p>NOTE</p> <ul style="list-style-type: none">• The filter reset must be done using the control panel, not the remote control.• This feature is a reminder to clean the air filter for more efficient operation. The LED light turns on after 250 hours of operation. |
|  | <p>▲, ▼ (Temperature) Adjusts the target room temperature in Cool or Dry mode. The target room temperature can be set between 16 °C and 30 °C.</p> <hr/> <p>°C ↔ °F (3 s) Press and hold the ▲ and ▼ buttons for about 3 seconds, to change units between °C and °F.</p> |
|  <small>Wi-Fi (3 s)</small> | <p>Fan Speed Adjust the fan speed.</p> <ul style="list-style-type: none">• Each press changes the fan speed in this order: Low → Mid → High <hr/> <p>Wi-Fi (3 s) Press and hold the Fan Speed button for about 3 seconds to prepare the statue for connecting appliance and Wi-Fi.</p> |
|  <small>Auto Clean (3 s)</small> | <p>Auto Swing Adjusts the direction of the airflow vertically. Press Auto Swing button repeatedly to select the desired direction.</p> <hr/> <p>Auto Clean (3 s) Press and hold the Auto Swing button for about 3 seconds to reduce the moisture inside the appliance.</p> |
|  <small>AI Care (3 s)</small> | <p>Timer Automatically turns the appliance on or off at a desired time.</p> <hr/> <p>AI Care (3 s) Press and hold the Timer button for about 3 seconds to set the desired temperature, fan speed and airflow direction, which will change automatically based on your comfort settings.</p> |

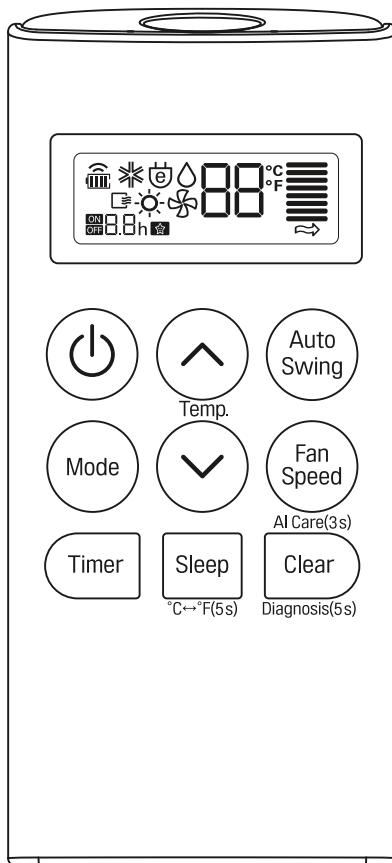
NOTE

- **Auto Restart:** If the air conditioner turns off due to a power outage, it will restart automatically once the power is restored, with the same settings as were set before the unit turned off.

Wireless Remote Control Overview

Wireless Remote Control

You can operate the appliance more conveniently with the wireless remote control.



Image









Description



Power

Turns the appliance on or off.

24 OPERATION

| Image | Description |
|---|--|
|  | Mode Selects the desired operation mode. <ul style="list-style-type: none">• Each press changes the modes in this order: Cool → Dry → Fan |
|  | Auto Swing Adjusts the airflow direction vertically. |
|  <small>AI Care(3s)</small> | Fan Speed Adjusts the fan speed. AI Care(3 s) Press and hold the Fan Speed button for about 3 seconds to set AI Care mode. |
|  Temp.  | Temp. \wedge, \vee Adjusts the target room temperature in Cool or Dry mode. The target room temperature can be set between 16 °C and 30 °C. |
|  | Timer Automatically turns the appliance on or off at a desired time. |
|  <small>C\leftrightarrowF(5s)</small> | Sleep Automatically turns the appliance off at a desired time. Use it before sleeping. °C\leftrightarrow°F(5 s) Press and hold the Sleep button for about 5 seconds, to change units between °C and °F. |
|  <small>Diagnosis(5s)</small> | Clear Cancels the Sleep mode and timer. Diagnosis(5 s) Press and hold the Clear button for about 5 seconds, to easily check the maintenance information of an appliance. |

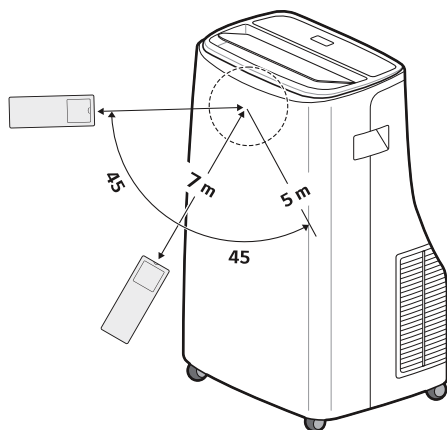
NOTE

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

Using Wireless Remote Control

Operating with the Wireless Remote Control

Point the wireless remote control towards the signal receiver at the front of the appliance to operate it.

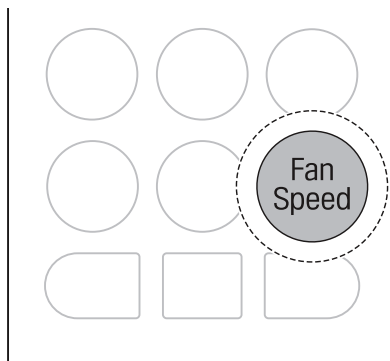


NOTE

- The wireless remote control may operate other electronic devices if it is directed towards them. Make sure to point the wireless remote control towards the appliance signal receiver.
- For proper operation, use a soft cloth to clean the signal transmitter and receiver.

Adjusting the Fan Speed

You can adjust the fan speed by pressing the **Fan Speed** button repeatedly.



| Speed | Wireless Remote Control Icon |
|--------|------------------------------|
| High | |
| Medium | |
| Low | |

NOTE

- The fan speed icons are displayed on some air conditioners.

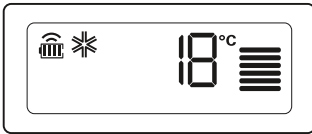
F1 → F2 → F3

Cooling Mode

- 1 Turn the appliance on.

- Press the **Mode** button repeatedly to select the Cooling Mode.

- ❄️ is displayed on the display screen.



- Press \uparrow or \downarrow button to set the target temperature.

- Press the **Fan Speed** button to adjust the fan speed.

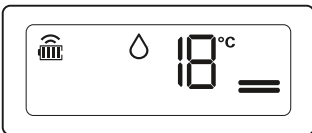
Dehumidification Mode

This mode removes excess moisture from a highly humid environment or during the rainy season, in order to prevent mildew from setting in. This mode adjusts the room temperature and the fan speed automatically to maintain the optimal level of humidity.

- Turn the appliance on.

- Press the **Mode** button repeatedly to select the Dehumidification Mode.

- 💧 is displayed on the display screen.



- Press \uparrow or \downarrow button to set the target temperature.

NOTE

- In this mode you cannot adjust the fan speed.

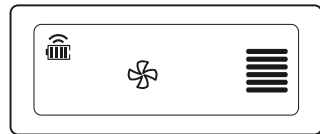
Fan Mode

This mode only circulates the indoor air without changing the room temperature.

- Turn the appliance on.

- Press the **Mode** button repeatedly to select the Fan Mode.

- 🌀 is displayed on the display screen.

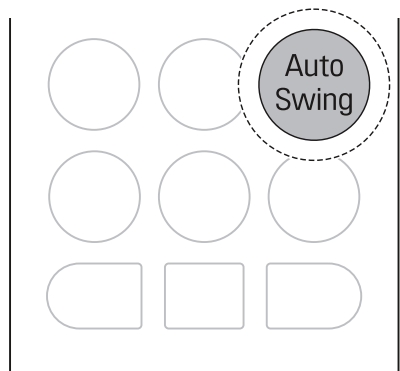


- Press **Fan Speed** button to adjust the fan speed.

Adjusting the Airflow Direction

You can adjust the direction of the airflow vertically.

- Press the **Auto Swing** button to set the wind direction to either rotating or fixed.



On and Off Timer

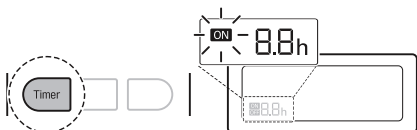
You can set the appliance to turn on and off automatically at a desired time.

Setting the On Timer

This function can be set when the appliance is turned off.

1 Press the **Timer** button.

- The icon below is displayed at the bottom of the display screen.



2 Press the **Timer** button repeatedly to set the desired time.

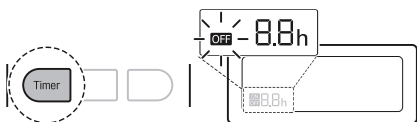
- For On Timer, you can set the desired time in 1-hour increments from 1 hour to 24 hours.

Setting the Off Timer

This function can be set when the appliance is turned on.

1 Press the **Timer** button.

- The icon below is displayed at the bottom of the display screen.

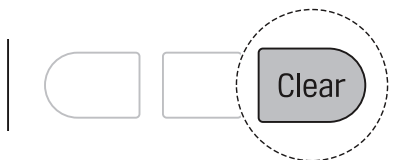


2 Press the **Timer** button repeatedly to set the desired time.

- For Off Timer, you can set the desired time in 1-hour increments from 1 hour to 24 hours.

Cancelling the Timer Setting

- Press the **Clear** button to cancel all timer settings.



Sleep Function

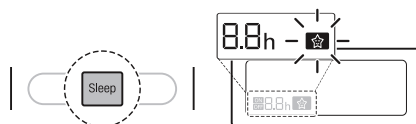
You can set the appliance to turn off automatically after a set time. The appliance will automatically change the temperature and fan speed.

This function can be set when the appliance is turned on.

1 Turn the appliance on.

2 Press the **Sleep** button.

- The icon below is displayed at the bottom of the display screen.



3 Press the **Sleep** button repeatedly to set the desired time.

- The time can be set up to 7 hours.

NOTE

- Indoor unit display shows the set time from 1 to 7 for only 5 seconds and then returns to the set temperature on some indoor units.
- In the **Cooling** and **Dehumidification** mode, the temperature increases by 1 °C after 30 minutes and an additional 1 °C after another 30 minutes for a more comfortable sleep. The temperature increases up to 2 °C from the preset temperature.

NOTE

- In this mode you cannot adjust the fan speed.
-

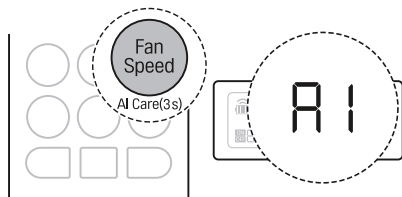
- This function may operate differently depending on the model.
-

AI Care Mode

The target temperature, fan speed, and airflow direction change automatically based on the comfort settings.

If you select the **AI Care** mode when the air conditioner is in the **Cooling** mode, the air conditioner analyzes the surrounding environment to reach the target temperature quickly. The airflow direction and fan speed are automatically adjusted to achieve the comfort settings.

- 1 Turn the appliance on.
- 2 Press and hold the **Fan Speed** button for about 3 seconds.



NOTE

- To change the target temperature, press the **Temperature Adjust** button on the remote.
- The **AI Care** and **Cooling** modes can be used at the same time.
- Pressing the **Mode** button while in the **AI Care** mode operates the selected function.
- Pressing the **Auto Swing** button while in the **AI Care** mode initiates the **Cooling** mode.
- The temperature is continually adjusted to suit the user and the environment of use, so the temperatures displayed on the indoor unit and on the remote may be different.

SMART FUNCTIONS

LG ThinQ Application

This feature is only available on models with Wi-Fi. The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

LG ThinQ Application Features

Common features

Communicate with the appliance from a smartphone using the **LG ThinQ** application.

- **Smart Diagnosis**
 - If you experience a problem while using the appliance, this smart diagnosis feature will help you diagnose the problem.

Additional features

More features are available if your appliance is connected to Wi-Fi.

- Settings
 - Allows you to set various options on the appliance and in the application.

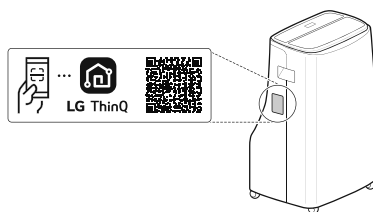
NOTE

- In the following cases, you must update the network information for each appliance in the **LG ThinQ** application under **Device Cards > Settings > Change Network**.
 - wireless router is changed
 - wireless router password is changed
 - Internet service provider is changed
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

Installing LG ThinQ Application and Connecting an LG Appliance

Models with QR Code

Scan the QR code attached to the product using the camera or a QR code reader application on your smartphone.



Models without QR Code

- 1 Search for and install the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone.
- 2 Run the **LG ThinQ** application and sign in with your existing account or create an LG account to sign in.
- 3 Touch the add (+) button on the **LG ThinQ** application to connect your LG appliance. Follow the instructions in the application to complete the process.

NOTE

- To verify the Wi-Fi connection, check that the Wi-Fi indicator on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- **LG ThinQ** is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.

NOTE

- The surrounding wireless environment can make the wireless network service run slowly.
 - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to connect or installation may fail.
 - If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
 - The network connection may not work properly depending on the Internet service provider.
 - The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
 - The appliance cannot be connected due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.
 - If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
 - The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
 - Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
 - If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and connect the product again.
-

Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit [https://
opensource.lge.com](https://opensource.lge.com).

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of

performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

Diagnosis Using LG ThinQ

Use this feature to help you diagnose and solve problems with your appliance.

NOTE

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, Wi-Fi unavailability, Wi-Fi disconnection, local app store policy, or application unavailability.
 - The feature may be subject to change without prior notice and may have a different form depending on where you are located.
-

Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the **LG ThinQ** application.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

Using Audible Diagnosis to Diagnose Issues

Follow the instructions below to use the audible diagnosis method.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions for audible diagnosis provided in the **LG ThinQ** application.

- 1 Plug the power plug in the outlet properly.

- 2 Place the mouthpiece of your smartphone close to the appliance.
- 3 Press and hold the **Clear** button for 5 seconds or longer while holding the smartphone mouthpiece to the appliance until the data transfer is complete.
 - Keep the smartphone in place until the data transfer has finished.
- 4 After the data transfer is complete, the diagnosis will be displayed in the application.

NOTE

- For best results, do not move the phone while the tones are being transmitted.
 - Be sure to keep ambient noise to a minimum or the phone may not correctly receive the buzzer beeps from the indoor unit.
-

MAINTENANCE

Cleaning

⚠ WARNING

- Before cleaning or performing maintenance, disconnect the power supply and wait until the fan stops.

Check the air filter at least twice a month to see if cleaning is necessary. Trapped particles in the filter can build up and block the airflow, reducing cooling capacity and causing an accumulation of frost on the evaporator.

Emptying the Water Collection Tank

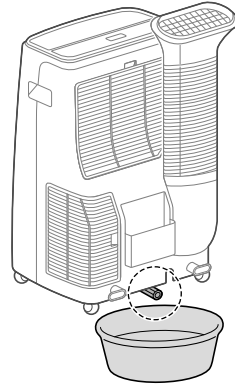
Condensed water is collected in the water collection tank. For smooth use, please empty the tank periodically.

NOTE

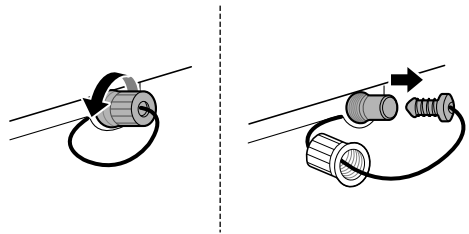
- If the water collection tank is full, FL appears on the display and the air conditioner turns off until the tank is emptied.
- When not using the air conditioner for a long period of time, empty the water collection tank before storing.

- 1 Turn off the air conditioner, and unplug the power cord.

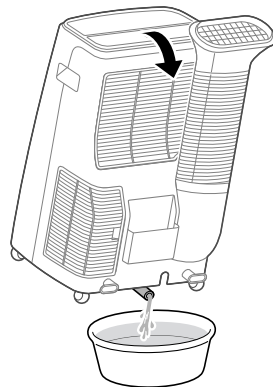
- 2 Place a pan under the drain hose. Up to 2 pints of water will be discharged.



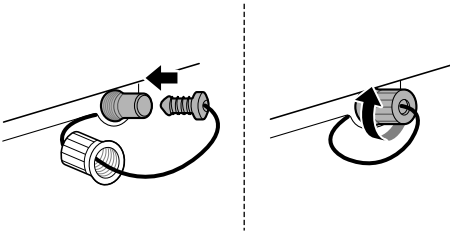
- 3 Remove the drain cap cover first, and then remove the drain cap.



- 4 Drain any remaining water.



- 5** Reinstall the drain cap and the drain cap cover securely.



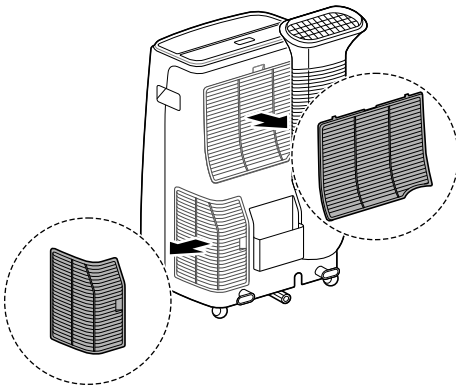
⚠ WARNING

- If you move the product without emptying the water accumulated inside, it may overflow and cause electric shock, fire, or property damage.
- If you do not empty the water accumulated inside, the inside of the product may be damaged or cause odors.
- Close the drain plug except when draining condensate.

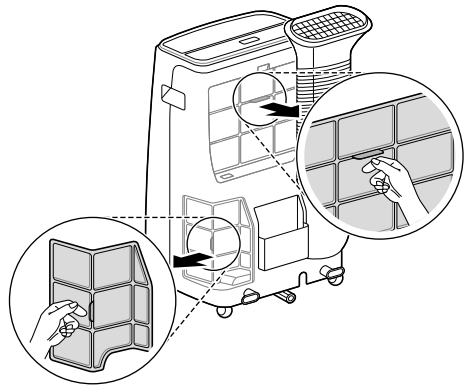
Cleaning the Air Filter

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

- 1** Remove the air filter cover.

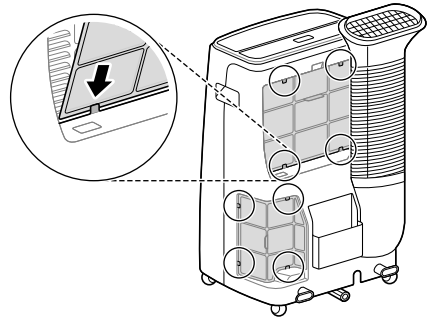


- 2** Grab the handle of the air filter and pull it forward to remove it.

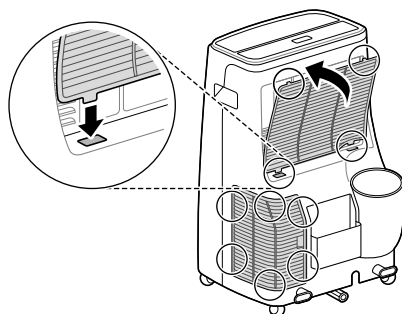


- 3** Clean the air filter with a vacuum cleaner or wash it with lukewarm water and a mild detergent.
- Dry the filter in the shade.

- 4** Insert the air filter into the holder.



- 5** Align the hooks of the air filter cover with the slots and close it completely.

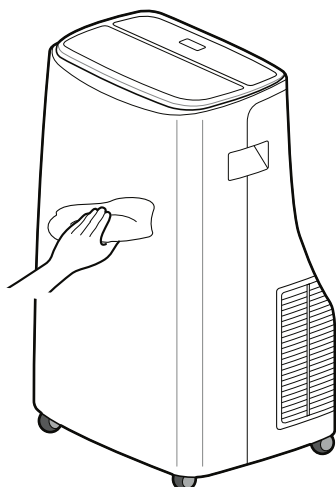


CAUTION

- Never use water that is higher than 40 °C when you clean the filters. It may cause deformation or discolouration.

Cleaning the Air Conditioner

Wipe the case with a slightly damp cloth, then wipe dry with a soft cloth or towel.



NOTE

- To prevent damage to the finish, do not use gasoline, benzene, thinner, etc., or any abrasive cleansers to clean the air conditioner; they may damage the finish.
- Never pour water onto or into the air conditioner. It could damage internal components and create a shock and fire hazard.

Storage

Storing the Product

If the product will not be used for a long period of time, store it in a dry and shaded place.

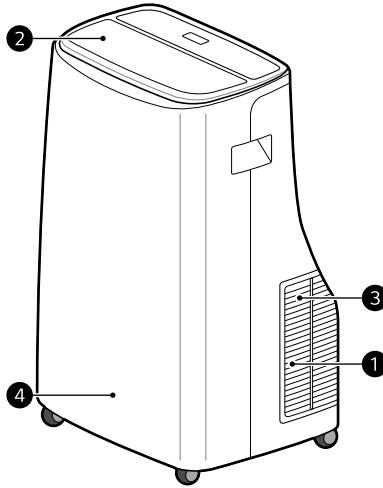
- 1** Operate the product in **Fan** mode for one hour or more on a fine day.
 - This removes moisture and prevents molds from building-up inside the product.
- 2** Turn off the power and unplug it from the electrical outlet.
 - Wind the power cord around the bottom of the appliance.
- 3** Clean the product thoroughly and empty all water inside it before storing it. When cleaning the surface of the product, use a soft cloth to avoid scratches.
- 4** Package the appliance to prevent the dust or foreign substance from entering the appliance.

TROUBLESHOOTING

Before Calling for Service

The appliance is equipped with an automatic error-monitoring system to detect and diagnose problems at an early stage. If the appliance does not function properly or does not function at all, check the following before you call for service.

Normal Sounds You May Hear



1 High-Pitched Chatter

Today's high efficiency compressors may have a high-pitched chatter during the cooling cycle.

2 Sound of Rushing Air

At the front of the unit, you may hear the sound of rushing air being moved by the fan.

3 Gurgle/Hiss

Gurgling or hissing noises may be heard due to refrigerant passing through the evaporator during normal operation.

4 Pinging or Swishing

Droplets of water hitting condenser during normal operation may cause pinging or swishing sounds.

Operation

| Symptoms | Possible Cause & Solution |
|--|--|
| Air conditioner does not start. | The air conditioner is unplugged. <ul style="list-style-type: none"> • Make sure the air conditioner plug is pushed completely into the outlet. |
| | The fuse is blown/circuit breaker is tripped. <ul style="list-style-type: none"> • Check the house fuse/circuit breaker box and replace the fuse or reset the breaker. |
| | Power failure. <ul style="list-style-type: none"> • If power failure occurs, turn the mode control to off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload. |
| Air conditioner does not cool as it should. | Airflow is restricted. <ul style="list-style-type: none"> • Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner. |
| | The temp control may not be set correctly. <ul style="list-style-type: none"> • Set the desired temperature to a level lower than the current temperature. |
| | The air filter is dirty. <ul style="list-style-type: none"> • Clean the filter at least every 2 weeks. See the MAINTENANCE section. |
| | The room may have been hot. <ul style="list-style-type: none"> • When the air conditioner is first turned on, you need to allow time for the room to cool down. |
| | Cold air is escaping. <ul style="list-style-type: none"> • Check for open furnace floor registers and cold air returns. |
| | Cooling coils have iced up. <ul style="list-style-type: none"> • See 'Air conditioner freezing up' below. |
| Air conditioner freezing up. | The cooling coils are iced over. <ul style="list-style-type: none"> • Ice may block the airflow and obstruct the air conditioner from properly cooling the room. Set the mode control at High Fan or High Cool. |
| Water drips outside. | Hot, humid weather. <ul style="list-style-type: none"> • This is normal. |
| Water collects in base pan. | Moisture reduced from air and drains into base pan. <ul style="list-style-type: none"> • This is normal for a short period in areas with little humidity; normal for a longer period in very humid areas. |
| Air conditioner turns on and off rapidly. | Dirty air filter - air restricted. <ul style="list-style-type: none"> • Clean air filter. |
| | Outside temperature extremely hot. <ul style="list-style-type: none"> • Refer to installation instructions or check with installer. |

| Symptoms | Possible Cause & Solution |
|--|--|
| Noise when unit is cooling. | Air movement sound. <ul style="list-style-type: none"> This is normal. If too loud, set to lower fan setting. |
| | Window vibration - poor installation. <ul style="list-style-type: none"> Refer to installation instructions or check with installer. |
| Room too cold. | Set temperature too low. <ul style="list-style-type: none"> Increase set temperature. |
| Remote sensing deactivating prematurely. | Remote control not located within range. <ul style="list-style-type: none"> Place remote control within 5 m & 45° radius of the front of the unit. |
| | Remote control signal obstructed. <ul style="list-style-type: none"> Remove obstruction. |
| The appliance is operating, but nothing is visible on the control panel. | The brightness of the control panel is set to off. <ul style="list-style-type: none"> Press and hold the Mode button for about 3 seconds to adjust the brightness. |
| The appliance still operates after turning it off. | The automatic drying function removes moisture from inside the product by blowing air for a certain period of time, even after operation has stopped. <ul style="list-style-type: none"> The appliance will automatically turn off when the drying function is complete. |

Wi-Fi

| Symptoms | Possible Cause & Solution |
|--|--|
| Can't connect the LG ThinQ App. to the air conditioner. | Air conditioner is turned off. <ul style="list-style-type: none"> Turn the air conditioner on. |
| | Wireless router is turned off. <ul style="list-style-type: none"> Turn the router on. |
| The air conditioner is not connecting to the Wi-Fi. | The Wi-Fi router is too far from the air conditioner. <ul style="list-style-type: none"> Move the router closer to the air conditioner or purchase and install a Wi-Fi repeater (signal booster). |
| | You do not have permission to use the router or it is incompatible. <ul style="list-style-type: none"> Make sure you are selecting the correct wireless router from the list. The router must be set to 2.4 GHz. |
| Trouble connecting appliance and smartphone to Wi-Fi network | The password for the Wi-Fi network was entered incorrectly. <ul style="list-style-type: none"> Delete your home Wi-Fi network and begin the connection process again. |

| Symptoms | Possible Cause & Solution |
|---|--|
| Trouble connecting appliance and smartphone to Wi-Fi network | <p>Mobile data for your smartphone is turned on.</p> <ul style="list-style-type: none"> • Turn off the Mobile data on your smartphone before connecting the appliance. |
| | <p>The wireless network name (SSID) is set incorrectly.</p> <ul style="list-style-type: none"> • The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.) |
| | <p>The router frequency is not 2.4 GHz.</p> <ul style="list-style-type: none"> • Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your Internet service provider or the router manufacturer. |
| | <p>The appliance and the router are too far apart.</p> <ul style="list-style-type: none"> • If the appliance is too far from the router, the signal may be weak and the connection may not be configured correctly. Move the router closer to the appliance or purchase and install a Wi-Fi repeater. |
| | <p>During Wi-Fi setup, the application is requesting a password to connect to the product (on certain phones).</p> <ul style="list-style-type: none"> • Locate the network name which starts with "LG" under Settings > Networks. Note the last part of the network name. <ul style="list-style-type: none"> - If the network name looks like LGE_Appliance_XX-XX-XX, enter lge12345. - If the network name looks like LGE_Appliance_XXXX, enter XXXX twice as your password. For example, if the network name appears as LGE_Appliance_8b92, then you would enter 8b928b92 as your password. In this instance, the password is case sensitive and the last 4 characters are unique to your appliance. |

APPENDIX

Information

Disposal of Your Old Appliance



- This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
- Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
- You can take your appliance to any of the authorised centres for collection. If you want to know an updated list of countries that have this service, visit the page <https://www.lg.com/global/take-back-recycling-global-network-south-america>.

