OWNER’S MANUAL

AIR CONDITIONER



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

TYPE: PORTABLE AIR CONDITIONER (INVERTER)

EN	ENGLISH
DE	DEUTSCH
NL	NEDERLANDS
PL	POLSKI
FR	FRANÇAIS
IT	ITALIANO
ES	ESPAÑOL

MFL70521419
Rev.02_110620

www.lg.com

Copyright © 2020 LG Electronics Inc. All Rights Reserved

TABLE OF CONTENTS

3 SAFETY INSTRUCTIONS

4 Important safety instructions

17 PRODUCT OVERVIEW

17 Key Parts and Components

18 INSTALLATION

18 Electrical Data
19 Before Installation the Air Conditioner
19 Wireless Remote Control

20 OPERATION

20 Control Panel and Remote Control
21 Removing Condensation Buildup
22 Using Wireless Remote Control
23 Setting the Current Time
23 Cooling Mode
23 Fan Mode
23 Dehumidification Mode
24 Using the Jet Mode Function
24 Using the Fan Speed Function
24 Using the Air Flow Direction Function
25 Setting the On/Off Timer
26 Using the Light Function
26 Using the Silent Function
26 Using the Auto Clean Function

27 SMART FUNCTIONS

27 LG ThinQ Application
29 Smart Diagnosis

30 MAINTENANCE

30 Emptying the Water Collection Tank
30 Cleaning the Case
30 Cleaning the Air Filter

31 TROUBLESHOOTING

31 Before Calling for Service
31 Normal Sounds You May Hear

SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

This is the safety alert symbol.

⚠ This symbol alerts you to potential hazards that can kill or injure you and others.
All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

⚠ WARNING

You may be killed or seriously injured if you do not follow instructions.

⚠ CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

The following symbols are displayed on units.


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


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.


This symbol indicates that information is available such as the Operating Manual or Installation Manual.

Important safety instructions

⚠ WARNING

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

For use in Europe:

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.

INSTALLATION

- 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.
- Contact the installer for installation of this unit.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.
- Connect to a properly rated, protected, and sized power circuit to avoid electrical overload.
- Always ground the product. There is risk of fire or electric shock.
- Do not under any circumstances, cut or remove the third (ground) prong from the power cord.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Plug in the power plug properly.
- Do not modify or extend the power cord.
- Do not start/stop operation by plugging/unplugging the power cord.

- If the cord/plug is damaged, have it replaced by an authorized service person using authorized replacement parts.
- Use a dedicated circuit.
- Do not disassemble or modify the product.
- Adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- 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.
- Keep packaging materials out of the reach of children. These materials can pose a suffocation risk to children.
- Store and install the product where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Do not input air or gas into the system except with the specific refrigerant.
- Use non-flammable gas (nitrogen) to check for leak 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.
- When mechanical connectors are reused indoors, sealing parts shall be renewed.
- When flared joints are reused indoors, the flare part shall be re-fabricated.
- Mechanical connections (mechanical connectors or flared joints) shall be accessible for maintenance purposes.

OPERATION

- 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 the power cord near a heat source.
- Do not use an adaptor or plug the product into a shared outle.
- 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.
- Do not grasp the power cord or touch the appliance controls with wet hands.
- 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.
- Be sure to use only those parts listed in the service parts list. Never attempt to modify the equipment.
- Dispose of the batteries in a place where there is no danger of fire.
- Use only the refrigerant specified on the air conditioner label.
- 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.

- Unplug the product before cleaning.
- In the event of a gas leak (propane gas, etc.) do not operate this or any other appliance. Open a window or door to ventilate the area immediately.
- 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 the use of the appliance by a person responsible for their safety.
- 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.
- Keep any required ventilation openings clear of obstruction.
- Ducts connected to an appliance shall not contain an ignition source.
- This appliance incorporates an earth connection for functional purposes only.
- This appliance is not intended to be accessible to the general public.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not leave flammable substances such as gasoline, benzene, or thinner near the air conditioner.
- Take care so that children may not step on the product. Otherwise, children may be seriously injured due to falling down.
- 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 refrigerant pipe, water pipe and any internal parts while the unit is operating or immediately after operation. There is risk of burns or frostbite, personal injury.

⚠ CAUTION

To reduce the risk of minor or moderate 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 product that exhaust or condensation does not damage nearby property.
- Follow installation instructions exactly to avoid excessive vibration or water leakage.
- Install the product 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.
- Always inspect gas leakage after the installation and repair of product. Otherwise, it may cause the failure of product.
- The appliance should be installed, operated and stored in a room with a usable area of over '12' m².

OPERATION

- This appliance is not intended for use as a precision refrigeration system. Do not use it for special purposes such as maintaining pets, food, precision machinery, or art objects.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Make sure the air inlet and outlet are free from obstructions.
- Use a soft cloth to clean the appliance. Do not use waxes, thinners, or harsh detergents.
- Do not step on or place heavy objects on top of the appliance.
- Do not operate the appliance without the filter securely installed.
- Do not drink water drained from the appliance.
- Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- Being exposed to direct airflow for an extended period of time could be hazardous to your health.
- Remove the batteries if the remote control is not to be used for an extended period of time.
- Never mix different types of batteries, or old and new batteries for the remote control.

- Stop using the remote control if there is a fluid leak in the battery. If your clothes or skin are exposed to the leaking battery fluid, wash off with clean water.
- If the leaking battery fluid has been swallowed, rinse the inside of the mouth thoroughly and consult a doctor.
- Do not recharge or disassemble the batteries.
- 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

- 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 when cleaning the air conditioner or spray water.
  Use a smooth cloth.

Important safety instructions

⚠ WARNING

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 the 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 decommissioned 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

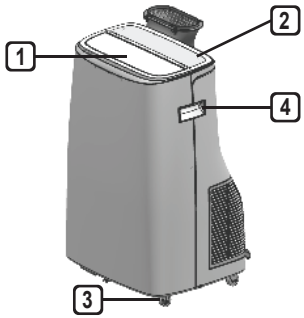
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric 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.

Technical Safety

- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
- 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.

PRODUCT OVERVIEW

Key Parts and Components



1 **AIR DISCHARGE**

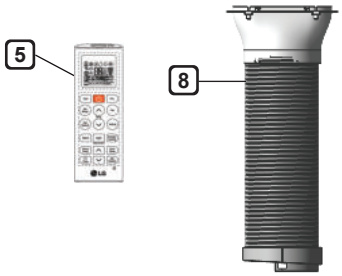
The adjustable louvered air discharge opens automatically when the air conditioner is turned on, and closes when it is turned off. It can also be set to oscillate to distribute air more evenly through the room.

2 **CONTROL PANEL AND DISPLAY**

Easy-to-read digital display shows the set temperature, and indicator lights show the operating mode. Simple push buttons make changing settings quick and easy.

3 **SWIVELING CASTERS**

Swiveling casters allow you to move the air conditioner easily on most floor surfaces.

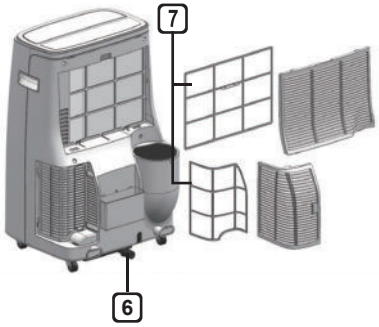


4 **INTEGRATED HANDLES**

Integrated handles provide a convenient grip when lifting the air conditioner.

5 **REMOTE CONTROLLER**

The remote controller allows you to adjust the temperature and operate most functions of the air conditioner from across the room.



6 **BOTTOM DRAIN PORT**

Before moving the air conditioner, drain the internal water in the collection tank completely using the bottom drain port.

7 **AIR FILTER**

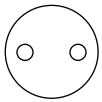
8 **HOSE AND DIFFUSER**

Use the diffuser and hose to connect the air conditioner to the window installation kit to vent exhaust air outside.

INSTALLATION

Electrical Data

for 230 V

Use Wall Receptacle	Power Supply
 Standard 230 V~ , 3-wire grounding receptacle rated 16 A / 250 V~	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 tamper-resistant 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.

IMPORTANT:

- 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

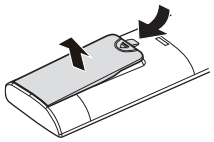
Remove and store packing materials for reuse. Remove any shipping tape before using the air conditioner. If the tape leaves behind any adhesive, rub a small amount of liquid dish soap onto it and wipe with a damp cloth. Do NOT use sharp instruments, alcohol, thinners, or abrasive cleaners to remove adhesive.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

Wireless Remote Control

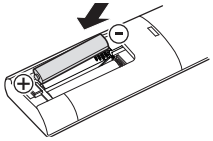
Inserting Batteries

If the display screen of the remote control begins to fade, replace the batteries.
Insert AAA (1.5 V) batteries before using the remote control.

1. Remove the cover on the back of the remote control.

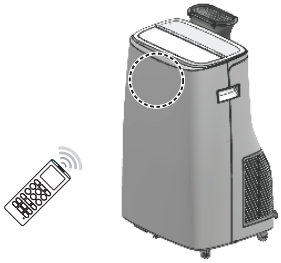


2. Insert the new batteries and make sure that the + and - terminals of the batteries are installed correctly.



Operating Method

Point the remote control towards the signal receiver at the right side of the air conditioner to operate it.

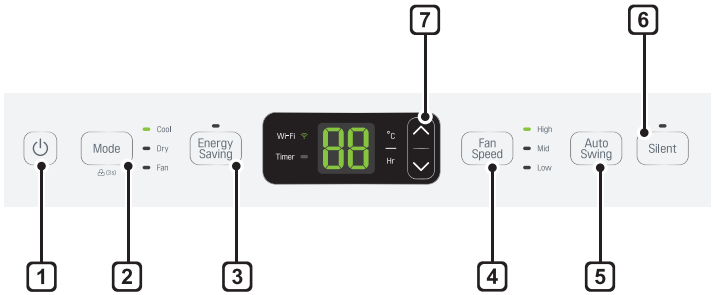


NOTE

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

OPERATION

Control Panel and Remote Control



1 **Power (⏻)**

Press to turn the air conditioner ON or OFF.

2 **Operation Mode**

Press the **Mode** button to cycle between 3 types of air conditioner operation: **Cool/ Dry / Fan.**

Cool - This mode is ideal on hot days to cool and dehumidify the room quickly. Use the ∧ | ∨ buttons to set the desired 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 removed 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.

NOTE

- Press the **Mode** button for 3 seconds to lock mode.

3 **Energy Saving**

Press the **Energy Saving** button while operating the air conditioner to start the energy saving cooling.

When using energy saving mode, desired temperature can be adjusted automatically to save electricity bills.

NOTE

- Each time the energy saving button is pressed, energy saving cooling → normal operation is repeated.
- If the desired temperature set before energy saving cooling is below 22 °C, the desired temperature is automatically reset to 22 °C.
- Energy saving cooling is automatically operated in accordance with the indoor environment, so it may be different from the remote control settings and display contents.
- Energy saving cooling can be selected only during cooling operation.

4 **Fan Speed**

Press to set the fan speed to Low (F1), Mid (F2), or High (F3).

5 **Auto Swing**
This function adjusts the direction of the air flow vertically. Press **Auto Swing** button repeatedly and select the desired direction.

6 **Silent**
Set the Silent mode by pressing the Silent button while operating the air conditioning. If the noise is irritated during air conditioning, you can use the silent mode to reduce the noise generated.

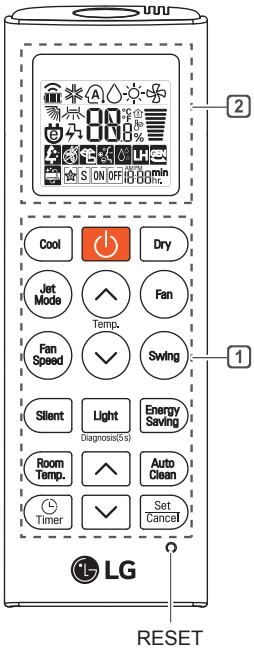
NOTE
- Pressing silent button will operate one step below the set Fan speed.
- When silent mode is set, certain functions that generate noise may be disabled.
- Pressing the jet mode button cancels the silent function.
- It cannot be used during Dry or Fan operation.

7 **Temperature Control**
To adjust the desired room temperature in Cool or Dry mode. The desired room temperature can be set between 18 °C ~ 30 °C.
Press ^ or v arrows to increase or decrease temperature setting.

NOTE
Auto Restart: In case of turning off the air conditioner due to power failure, your unit will resume its last operation several minutes after power is restored.

Using Wireless Remote Control

You can operate the air conditioner more conveniently with the remote control.



1 Button	2 Display screen	Description
Fan		To select the fan mode.
Timer	ON OFF	To turn on/off air conditioner automatically at desired time.
Temp.		To adjust the desired room temperature in cooling mode.
	-	To turn on/off the air conditioner.
Fan Speed		To adjust the fan speed.
Cool		To select the cooling mode.
Dry		To select the dehumidification mode.
Silent	-	To select the silent mode.
Jet Mode	Po	To change room temperature quickly.
Swing		To adjust the air flow direction vertically.
Room Temp.		To display the room temperature.
Auto Clean		To remove moisture generated inside the product.
Energy Saving		To minimize power consumption.
Light	-	To set the brightness of the display on the product.
Diagnosis(5s)	-	To conveniently check maintenance information of a product.
Set Cancel	-	To set/cancel the function and timer.
	-	To adjust time.
	-	To initialize the remote control settings.

NOTE

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

Setting the Current Time

1 Insert batteries.
- The icon below blinks at the bottom of the display screen.



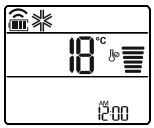
2 Press ⌄ or ⌃ button to select the minutes.

3 Press Set Cancel button to finish.

Cooling Mode

1 Turn the appliance on.

2 Press Cool button to select the Cooling Mode.
- ❄ is displayed on the display screen.



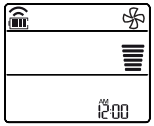
3 Press ⌃ or ⌄ button to set the desired temperature.

Fan Mode

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

1 Turn the appliance on.

2 Press Fan button to select the Fan Mode.
- is displayed on the display screen.



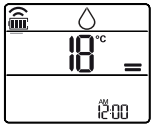
3 Press Fan Speed button to adjust the fan speed.

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.

1 Turn the appliance on.

2 Press Dry button to select the Dehumidification Mode.
- is displayed on the display screen.



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

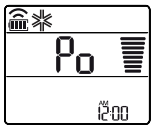
Using the Jet Mode Function

Changing Room Temperature Quickly

This function allows you to cool indoor air quickly during the summer.

1 Turn the appliance on.

2 Press (Jet Mode) button.
- Po is displayed on the display screen.



NOTE

- In Jet Cooling Mode, strong air blows out for 30 minutes.
- After 30 minutes later, setting temperature is maintaining 18 °C
  If you want to change the temperature, Press (^) or (v) button to set the desired temperature.

Using the Fan Speed Function

Adjusting the Fan Speed

- Press (Fan Speed) button repeatedly to adjust the fan speed.

Display Screen	Speed
	High
	Medium
	Low

NOTE

- The fan speed icons are displayed on some products.

F1→F2→F3

Using the Air Flow Direction Function

This function adjusts the direction of the air flow vertically.

- Press (Swing) button repeatedly and select the desired direction.

NOTE

- If you restart the air conditioner, it starts to operate with the previously set direction of air flow, so the air deflector may not match the icon displayed on the remote control. When this occurs, press (Swing) button to adjust the direction of the air flow again.

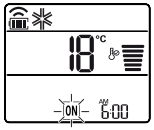
Setting the On/Off Timer

This function sets the air conditioner to turn on/off automatically at desired time.

On/Off Timer can be set together.

Setting the On Timer

1 Press Timer button repeatedly.
- The icon below blinks at the bottom of the display screen.

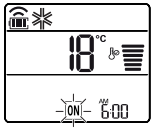


2 Press ∨ or ∧ button to select the minutes.

3 Press Set Cancel button to finish.
- After setting the timer, current time and ON icon are displayed on the display screen indicating that the desired time is set.

Canceling the On Timer

1 Press Timer button repeatedly.
- The icon below blinks at the bottom of the display screen.



2 Press Set Cancel button to cancel the setting.

Setting the Off Timer

1 Press Timer button repeatedly.
- The icon below blinks at the bottom of the display screen.

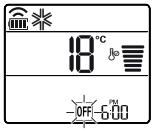


2 Press ∨ or ∧ button to select the minutes.

3 Press Set Cancel button to finish.
- After setting the timer, current time and OFF icon are displayed on the display screen indicating that the desired time is set.

Canceling the Off Timer

1 Press Timer button repeatedly.
- The icon below blinks at the bottom of the display screen.



2 Press Set Cancel button to cancel the setting.

Canceling the Timer Setting

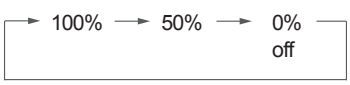
- Press Set Cancel button to cancel all timer settings.

Using the Light Function

Display Screen Brightness

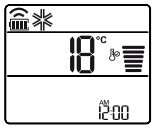
You can set the brightness of the product display screen.

- Press [Light] button.



Using the Silent Function

This function prevents potential claims by neighbors, reducing noise from products.



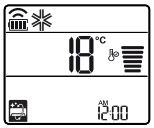
NOTE

- This function is available with Cooling Mode.

Using the Auto Clean Function

In the Cooling and Dehumidification Mode, moisture is generated inside the product. This function removes such moisture.

- is displayed on the display screen.



NOTE

- Some functions cannot be used while the Auto Clean function is in operation.
- If you turn off the unit, the fan continues to run for 10 minutes and cleans the inside of the product.

SMART FUNCTIONS

LG ThinQ Application

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

LG ThinQ Application Features

Communicate with the appliance from a smartphone using the convenient smart features.

Smart Diagnosis

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

Settings

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

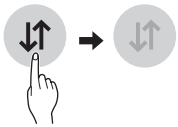
NOTE

- If you change your wireless router, internet service provider, or password, delete the registered appliance from the **LG ThinQ** application and register it again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

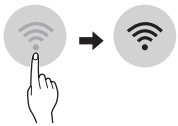
Before Using LG ThinQ Application

1 Check the distance between the appliance and the wireless router (Wi-Fi network).
- 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 register or installation may fail.

2 Turn off the **Mobile data** or **Cellular Data** on your smartphone.



3 Connect your smartphone to the wireless router.



NOTE

- To verify the Wi-Fi connection, check that icon 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.
- 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 Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.

- The appliance cannot be registered 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 register the product again.

Installing the LG ThinQ Application

Search for the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

Wireless LAN Module Specifications

Model	LCW-003
Frequency Range	2412 to 2472 MHz
Output Power(Max)	IEEE 802.11b:18.37 dBm IEEE 802.11g:17.67 dBm IEEE 802.11n:17.67 dBm

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.
Wireless function S/W version : V 1.0

Declaration of Conformity

Hereby, LG Electronics declares that the radio equipment type Air conditioner is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

http://www.lg.com/global/support/cedoc/cedoc#

LG Electronics European Shared Service Center B.V.
Krijgsman 1
1186 DM Amstelveen
The Netherlands

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

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

Smart Diagnosis

This feature is only available on models with the or logo.
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 app 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 or logo.
3. Press and hold the **Diagnosis(5 s)** button for 5 seconds or longer while holding the smartphone mouthpiece to the logo until the data transfer is complete.
   - Keep the smartphone in place until the data transfer has finished. Time remaining for data transfer is displayed.
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 product.

MAINTENANCE

⚠ WARNING

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

Emptying the Water Collection Tank

When the internal water collection tank is full, the LED display will show FL and the air conditioner will turn off until the tank is emptied.

- Unplug the air conditioner, disconnect the exhaust hose from the back, and move the air conditioner to a suitable drain location or outdoors. You may also place a pan under the drain that will hold up to 2 pints of water.
- Remove the drain cap from the drain outlet.
- Once the water collection tank is drained, reinstall the drain cap, making sure it is on securely.
- Place the air conditioner in the desired location, reconnect the exhaust hose, and plug in the air conditioner.

NOTE

If you want to disconnect the hose from the product, grasp the mounting bracket on the hose, turn it clockwise or counterclockwise, and then disconnect it easily.

Cleaning the Case

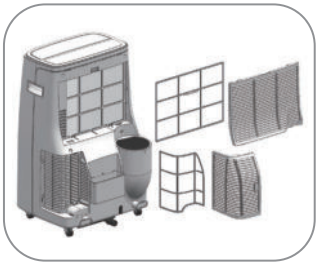
Wipe the case with a slightly damp cloth, then wipe dry with a dry cloth or towel.

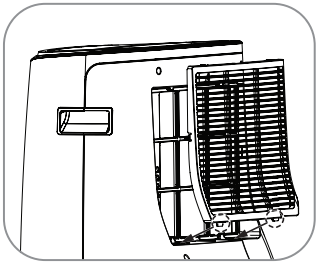
- To prevent damage to the finish, do not use gasoline, benzene, thinner, etc., or any abrasive cleansers to clean the air conditioner; they may damage the finish.
- Never pour water onto or into the air conditioner. It could damage internal components and create a shock and fire hazard.

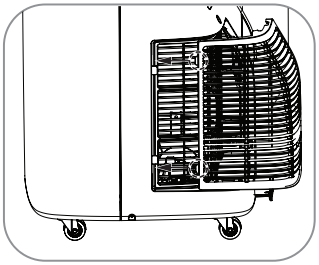
Cleaning the Air Filter

The air filters should be cleaned every two weeks; depending on indoor air quality, more frequent cleaning may be needed. A dirty air filter will decrease airflow and reduce efficiency.

1. Pull out each air filter by the handle.
2. Use a vacuum cleaner to clean the filter.
   If the filters are heavily soiled, they can be washed in warm water using a mild detergent.
   - Do not use harsh cleaners or very hot water.
   - Do not wash in a dishwasher.
3. Dry the filter in the shade.
4. Reinsert the filters.





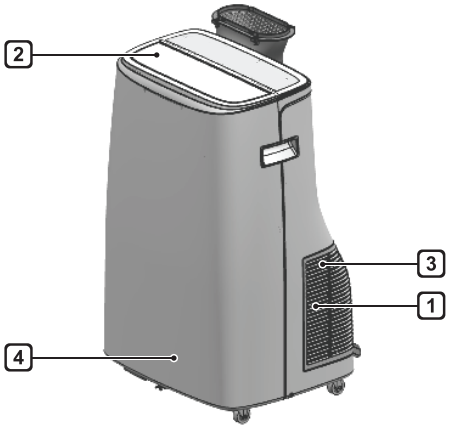


TROUBLESHOOTING

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 Sound**

High efficient inverter compressor may occur high-pitched sound during operation.

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 noise may be heard due to refrigerant passing through evaporator during normal operation.

4 **Pinging or Swishing**

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

Problem	Possible Causes & Corrective Action
Air conditioner does not start.	**The air conditioner is unplugged.** • Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped. • Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure. • 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.
	The current interrupter device is tripped. • Press the **RESET** button located on the power cord plug. If the **RESET** button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
	FL appears in the display. • The water collection tank is full. Drain the tank and reset your settings.
Air conditioner does not cool as it should.	**Airflow is restricted.** • Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temp control may not be set correctly. • Set the desired temperature to a level lower than the current temperature.
	The air filter is dirty. • Clean the filter at least every 2 weeks. See the 'MAINTENANCE' section.
	The room may have been hot. • When the air conditioner is first turned on, you need to allow time for the room to cool down.
	Cold air is escaping. • Check for open furnace floor registers and cold air returns.
	Cooling coils have iced up. • See 'Air conditioner freezing up' below.
Air conditioner freezing up.	**The cooling coils are iced over.** • Ice may block the air flow and obstruct the air conditioner from properly cooling the room. Set the mode control at **High Fan** or **High Cool.**

Problem	Possible Causes & Corrective Action
Water collects in base pan.	**Moisture removed from air and drains into base pan.** • 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.** • Clean air filter.
	Outside temperature extremely hot. • Refer to installation instructions or check with installer.
Noise when unit is cooling.	**Air movement sound.** • This is normal. If too loud, adjust the fan speed low.
Remote sensing deactivating prematurely.	**Remote control not located within range.** • Place remote control within 20 feet (6.096 m) & 120° radius of the front of the unit.
	Remote control signal obstructed. • Remove obstruction.
Room too cold.	**Set temperature too low.** • Increase set temperature.
Can't connect the LG ThinQ App. to the air conditioner.	**Air conditioner is turned off.** • Turn the air conditioner on.
	Wireless router is turned off. • 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.** • 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. • Make sure you are selecting the correct wireless router from the list. The router must be set to 2.4 GHz.

Wi-Fi

Problem	Possible Causes & Corrective Action
Trouble connecting appliance and smartphone to Wi-Fi network.	**The password for the Wi-Fi network was entered incorrectly.** • Delete your home Wi-Fi network and begin the registration process again.
	Mobile data for your smartphone is turned on. • Turn off the **Mobile data** on your smartphone before registering the appliance.
	The wireless network name (SSID) is set incorrectly. • The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
	The router frequency is not 2.4 GHz. • 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.
	The distance between the appliance and the router is too far. • 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.

NOTE

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