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

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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 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:

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 only 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 plug into a grounded outlet.
- 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 install the unit in potentially explosive atmospheres.

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 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.
- 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.

- 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.
- The appliance must only be supplied at safety extra low voltage corresponding to the marking on the appliance.
- 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.

GROUNDING INSTRUCTIONS

- The power cord of this appliance is equipped with a three-prong (grounding) plug. Use this with a standard three-slot (grounding) wall power outlet to minimize the hazard of electric shock. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded. ***DO NOT CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER PLUG.***
  - Situations when the appliance will be disconnected occasionally; Because of potential safety hazards, we strongly discourage the use of an adapter plug. However, if you wish to use an adapter, a TEMPORARY CONNECTION may be made. Use UL-listed adapter, available from most local hardware stores.
    The large slot in the adapter must be aligned with the large slot in the receptacle to assure a proper polarity connection.
- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal, and not insulated, and the wall receptacle is grounded through the house wiring. The customer should have the circuit checked by a qualified electrician to make sure the receptacle is properly grounded.
- Disconnect the power cord from the adapter, using one hand on each. Otherwise, the adapter ground terminal might break. Do not use the appliance with a broken adapter plug.
  - Situations when the appliance will be disconnected often; Do not use an adapter plug in these situations. Unplugging the power cord frequently can lead to an eventual breakage of the ground terminal. The wall power outlet should be replaced by a three-slot (grounding) outlet instead.

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.

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 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.

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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

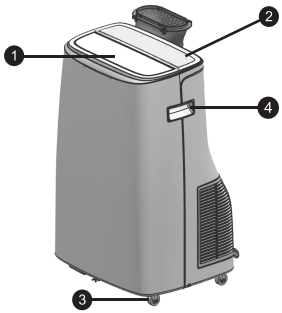
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric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

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

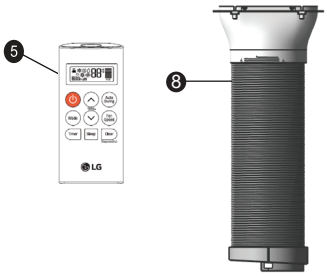
The adjustable louvered air discharge opens automatically when the air conditioner is turned on, and closes when it is turned off. It can also be set to oscillate to distribute air more evenly through the room.

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

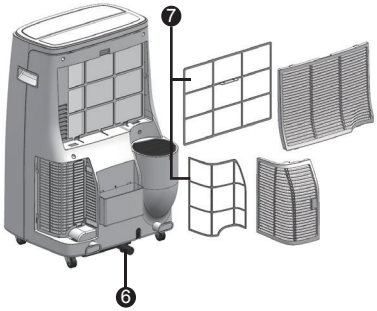
Integrated handles provide a convenient grip when lifting the air conditioner.

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 15A / 250 V~ / 60 Hz	Use 15 A, time-delay fuse or 15 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.

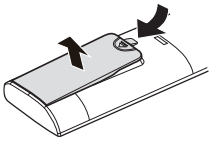
Remove any shipping tape before using the air conditioner. If the tape leaves behind any adhesive, rub a small amount of liquid dish soap onto it and wipe with a damp cloth. Do NOT use sharp instruments, alcohol, thinners, or abrasive cleaners to remove adhesive. They could damage the finish.

Wireless Remote Control

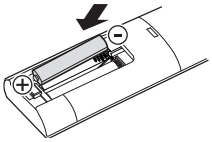
Inserting Batteries

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



NOTE

- New batteries are supplied with the air conditioner for use in the remote control.
- Do not use a rechargeable battery. Make sure that the battery is new.
- In order to prevent discharge, remove the battery from the remote control if the air conditioner is not going to be used for an extended period of time.
- Keep the remote control away from extremely hot or humid places.
- To maintain optimal operation of the remote control, the remote sensor should not be exposed to direct sunlight.
- The remote control will not work properly if the unit is exposed to direct light or there is any obstacle between the unit and remote controller.

PREPARING FOR INSTALLATION

Basic Installation Materials Supplied

Shape	Parts Name
	Hose
	Base mounting plate (58 cm, 1 pcs)
	Extension mounting plate (40 cm, 1 pcs)
	Extension mounting plate (58 cm, 1 pcs)
	Mounting plate screws (4 pcs)
	Adhesive short foam weather seals (2 pcs)

Shape	Parts Name
	Mounting plate insulation (2 pcs)
	Window gap insulation (1 pcs)
	Fixing clips (2 pcs)
	Security brackets (2 pcs)
	Bracket screws (2 pcs)

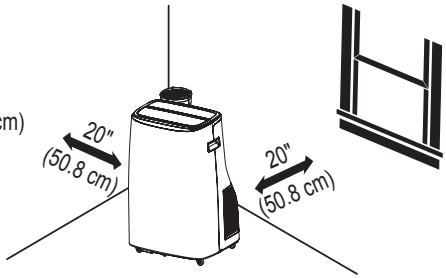
Installation Tools

Shape	Parts Name	Shape	Parts Name
	⊕ Driver		Power drill, Ø 3mm drill blade
	Tape ruler, knife		“No residue” duct tape

* Installation tools are not included with the product.

SELECTION OF INSTALLATION LOCATION

1. Place the unit on a level floor.
2. For best performance, allow at least 20" (50.8 cm) of air space on all sides of the unit for good air circulation.
3. Place the unit near a window. The hose and diffuser will be used to connect the air conditioner to the window installation kit to vent exhaust air outside.



NOTE

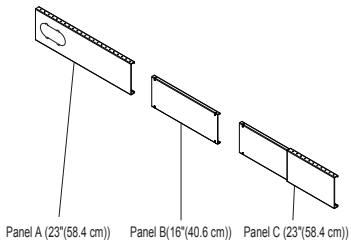
After installation, the Hose length is approximately 35.5"(90.1 cm) or less for best performance.

WINDOW VENT PANEL AND EXTENSIONS

The window installation kit allows you to install the air conditioner in most vertical-sliding windows 23"(58.4 cm) to 60"(152.4 cm) wide, or horizontal-sliding windows from 23"(58.4 cm) to 60"(152.4 cm) high.

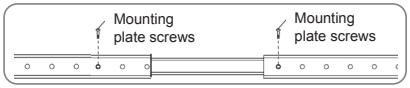
Panel / Window open	A (23"(58.4 cm))	B (16"(40.6 cm))	C (23"(58.4 cm))	Fig.
23"(58.4 cm)	√			a
24"(60.9 cm)~38"(96.52 cm)	√	√		b
39"(99.6 cm)~45"(114.3 cm)	√		√	c
46"(116.8 cm)~60"(152.4 cm)	√	√	√	d

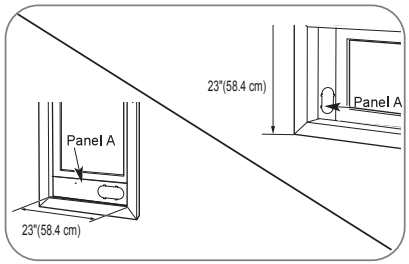
1. For window openings shorter than 23"(58.4 cm), trim panel A to fit the opening.
2. For longer window openings, assemble and adjust the panels to fit the window opening. Use Mounting plate screws (included) to fix the panels together at the proper length.



1 Window Vent Panel 2 Extension Panels

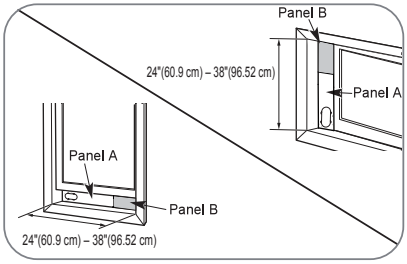
Window Installation Kit (Includes 1 Window Vent Panel and 2 Extension Panels)





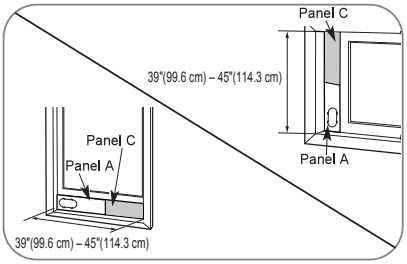
For an 23"(58.4 cm) window opening, use the window vent panel (Panel A) by itself.

Fig. a



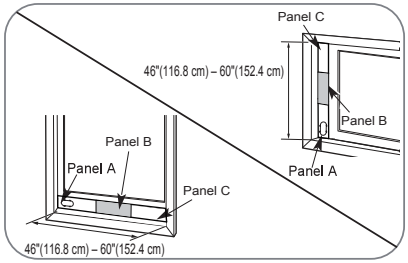
For window openings from 24"(60.9 cm) to 38"(96.52 cm), use the window vent panel (Panel A) and an extension panel (Panel B).

Fig. b



For window openings from 39"(99.6 cm) to 45"(114.3 cm), use the window vent panel (Panel A) and an extension panel (Panel C).

Fig. c



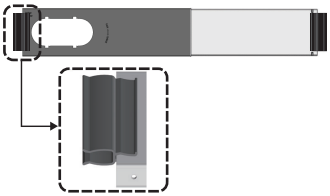
For window openings from 46"(116.8 cm) to 60"(152.4 cm), use the window vent panel (Panel A) and two extension panels (Panel B and Panel C).

Fig. d

INSTALLATION (VERTICAL)

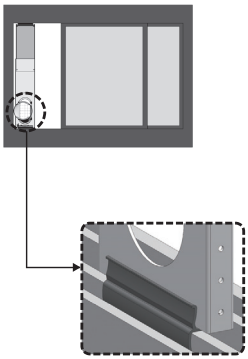
1 Inserting Panel Assembly

① Fit the chassis fixing clips at both ends of the mounting plate.



② After adjusting the length of the mounting plate to the chassis height, insert the clip into the window sill.

<Small Windows>



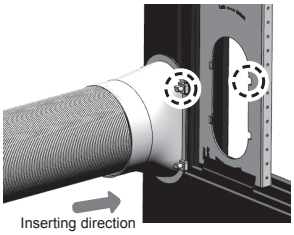
* Refer to the **<Positioning Vent Hose>** to adjust the hose outlet position.

③ Secure the mounting plate screws in the mounting holes on both sides of the mounting plate.

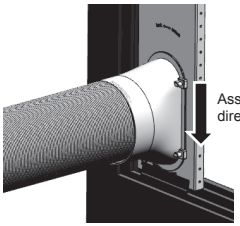
* If the screw fixing holes do not match, use a power drill to drill the holes (3 mm) in the outer mounting plate in accordance with the inner screw holes.

2 Connecting Vent Hose

① Insert the hose into the groove in the insertion direction.

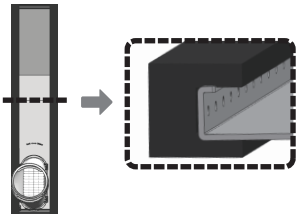


② Push the hose in the assembling direction to assemble with the mounting plate.

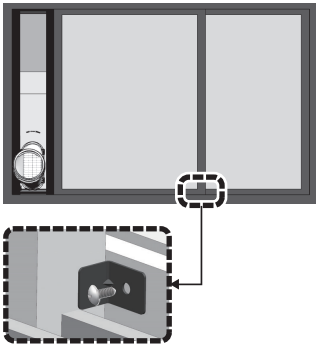


3 Attaching Foam Weather Seals

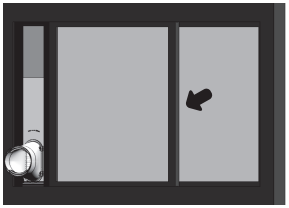
① Cut the mounting plate insulation to the chassis length and insert it on both sides of the mounting plate.



② Move the mounting plate to the end of the chassis, close the window and secure it with the security bracket.



③ Cut the window gap insulation to the window length and insert it into the window gap.

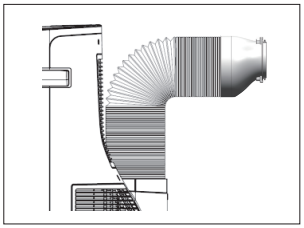


⚠ CAUTION

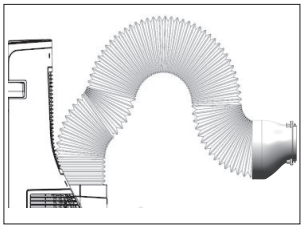
Be sure to install the window fixing bracket to prevent the window from opening outside.

4 Positioning Vent Hose

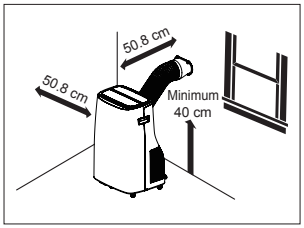
For best results, keep the vent hose as short and straight as possible. However, shape the diffuser end of the vent hose into an inverted U shape just inside the window to allow any rain or condensation to drain out the window.



<Best positioning>



<inverted U shape>

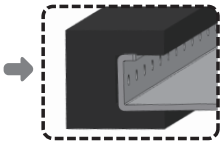


<Correct Installation Position>

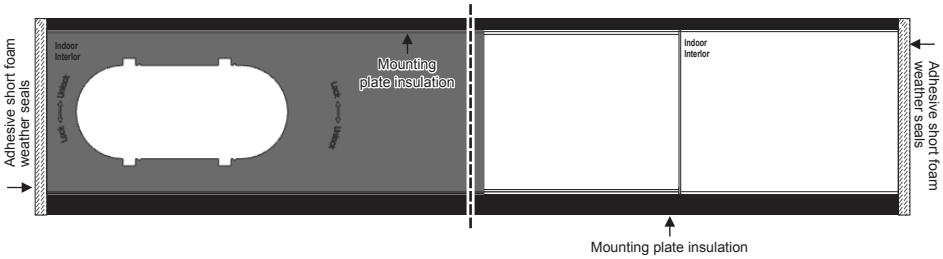
INSTALLATION (HORIZONTAL)

1 Attaching Foam Weather Seals

Cut the mounting plate insulation to the chassis length and insert it on both sides of the mounting plate.
(Attaching the foam weather seals to the panel assembly rather than the window sash and frame makes for easier cleanup when removing the panel assembly.)

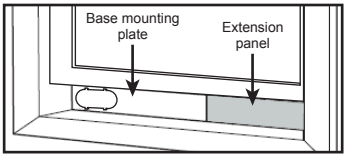


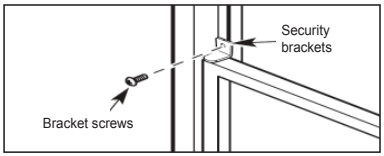
• **NOTE** : Take care not to block drain holes in the exterior sill. If necessary, cut slots in the foam seal to allow any moisture to drain out the window sill drains.



2 Inserting Panel Assembly

Insert the panel assembly in the bottom sash channel as in step 2. Use care when installing the assembly, which will now fit very tightly in the opening.
Close the sash tightly against the top of the panel assembly. For a tighter seal, use “no residue” duct tape (not included) to seal any gaps around the installed panel assembly.
• If needed, install the included security bracket with a bracket screws.





3 Sealing Gap between Sashes

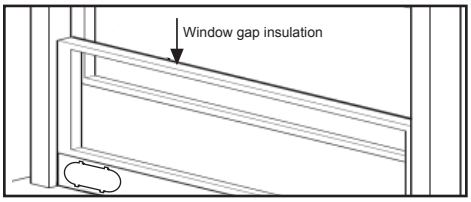
Measure and cut the included window gap insulation to fit the window opening. Stuff it between the window sashes to prevent air and insects from getting into the room.

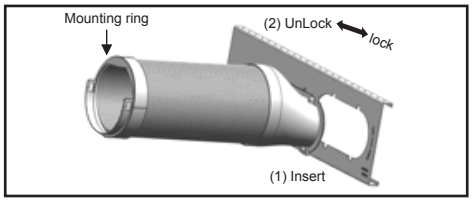
☞ **Tip:** For a tighter seal, use “no residue” duct tape to seal the gap between the sashes.

4 Connecting Vent Hose

Align the tabs on the diffuser end of the vent hose to the slots in the panel assembly opening. Insert the diffuser and push it in the **Lock** direction to assemble with the mounting plate.

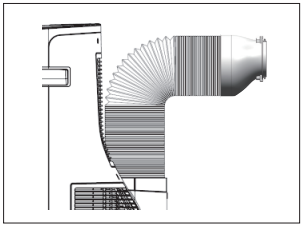
• If disconnected, reconnect the other end of the vent hose to the product by inserting the vent hose into the product with the mounting ring facing out. If the hose doesn't snap into place, rotate it slightly so the 2 lines at the front align.



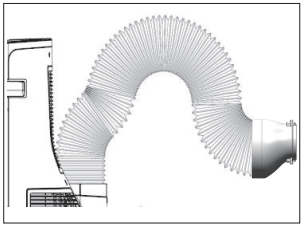


5 Positioning Vent Hose

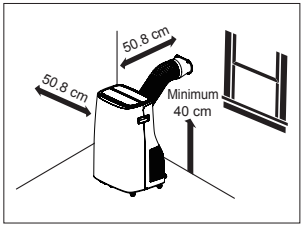
For best results, keep the vent hose as short and straight as possible. However, shape the diffuser end of the vent hose into an inverted U shape just inside the window to allow any rain or condensation to drain out the window.



<Best positioning>



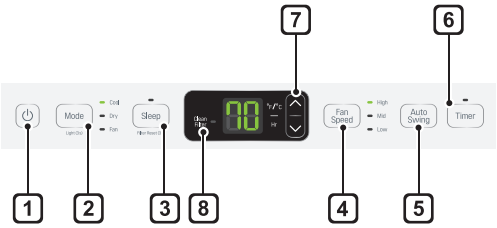
<inverted U shape>



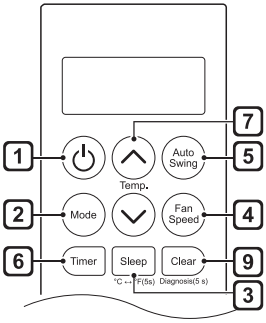
<Correct Installation Position>

OPERATION

Control Panel and Remote Control



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

To set the brightness on the control panel, press **Mode** button on the control panel for 3 seconds.
Brightness : 100% → 50% → Off
3s 3s

3 **Sleep Mode**

This mode keeps operating noise to a minimum and turns the air conditioner off after a set time. The timer can be set from 1 to 7 hours. In this mode, the control panel turns off.

- In the Sleep Mode, the setting temperature increases by 1 °C after 30 minutes and additional 1 °C after another 30 minutes for a more comfortable sleep.
- The setting temperature increases up to 2 °C from the preset temperature.

NOTE

Press **Sleep** button of remote controller for 5 seconds, the temperature display can be switched between degrees Fahrenheit (ºF) and degrees Celsius (ºC).

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 **Delay ON/OFF Timer**

Delay ON - When the air conditioner is off, set it to automatically turn on from 1 to 24 hours later, at its previous mode and fan settings.

Delay OFF - When the air conditioner is on, set it to automatically turn off from 1 to 24 hours later.

NOTE

Each press of the **Timer** button advances the timer by 1 hour. After the last press of the Delay OFF Timer the display returns to the temperature setting.

7 **Temperature Control**

To adjust the desired room temperature in Cool or Dry mode. The desired room temperature can be set between 60˚F-86˚F (16 °C–30 °C). Press ∧ or ∨ arrows to increase or decrease temperature setting.

NOTE

Press ∧ and ∨ button together on the control panel for 3 seconds, the temperature display can be switched between degrees Fahrenheit (ºF) and degrees Celsius (ºC).

8 **Clean Filter**

The Clean Filter LED lights up to notify you that the filter needs to be cleaned. After cleaning the filter, press **Sleep** button on the control panel for 3 seconds to turn off the Clean Filter light.

NOTE

- 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.

9 **Clear**

Cancel Sleep and Timer settings.

NOTE

Press the **Clear** button on remote controller for 5 seconds, the Smart Diagnosis function works.

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.

Removing Condensation Buildup

Condensation can build up inside the unit when the **Cool** and **Dry** modes are used. The fan can be set to run for a short period after the product is turned off to help keep the inside of the appliance dry. This option is off by default.

Turning Condensation Fan On

1. Turn on the product, set it to **Cool** mode and let it run for at least 10 seconds.
2. Press and hold the **Auto Swing** button for 3 seconds until **On** appears in the display.
3. The condensation fan is now turned on. When the appliance is turned off, **Co** appears in the display and the fan will continue to run for 10 minutes. The appliance will then shut down as normal.

Turning Condensation Fan Off

1. When the product is powered ON, press and hold the **Auto Swing** button for 3 seconds until **OF** appears in the display.
2. The condensation fan is now turned off. The appliance will shut down immediately when it is turned off.

NOTE

- Some functions cannot be used while this option is turned on.
- This option must be set using the control panel, not the remote control.

Diagnosis

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 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 **Clear** 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 indoor unit.

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

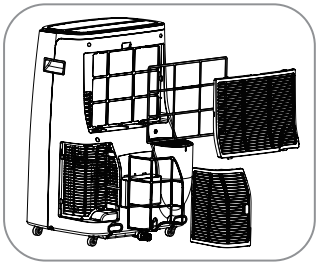
Wipe the case with a slightly damp cloth, then wipe dry with a dry cloth or towel.

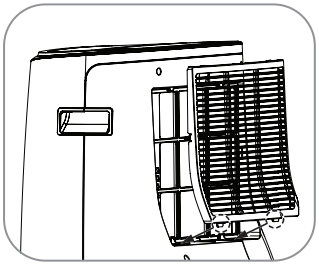
- To prevent damage to the finish, do not use gasoline, benzene, thinner, etc., or any abrasive cleansers to clean the air conditioner; they may damage the finish.
- Never pour water onto or into the air conditioner. It could damage internal components and create a shock and fire hazard.

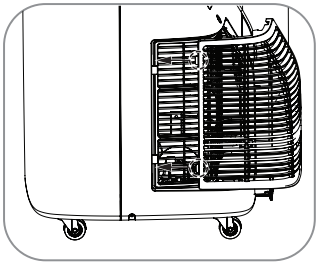
Cleaning the Air Filter

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.





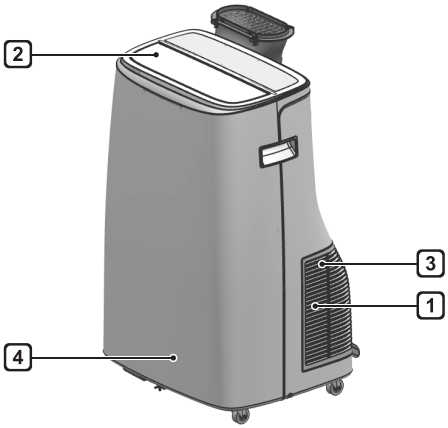


TROUBLESHOOTING

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 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.

NOTE

- If you see “CH” in the display, please call (02)7902-5544.

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