



OWNER'S MANUAL

AIR CONDITIONER



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

ENGLISH

Ceiling Concealed Duct

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This manual may contain images or content that may be different from the model you purchased.

This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

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

Safety Messages



This symbol is displayed to indicate matters and operations that can cause risk.
Read the part with this symbol carefully and follow the instructions in order to avoid risk.



WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.



CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

WARNING



WARNING

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

Children in the Household

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person

responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Installation

- This appliance must be properly grounded to minimize risk of electric shock.
- Do not connect the ground wire to a gas pipe, a lightning rod, or a telephone ground wire.
- Install the panel and the cover of the control box safely.
- Contact an authorized service center when installing or relocating the air conditioner.
- Do not install the appliance on an unstable surface or in a place where there is danger of it falling.
- Do not install the unit in an area where there are flammable materials.
- Install dedicated electric outlet and earth leakage breaker before using the appliance.
- Do not install, remove, or reinstall the unit by yourself (customer).
- The indoor/outdoor wiring connections must be secured tightly, and the cable should be routed properly so that there is no force pulling the cable from the connection terminals. Improper or loose connections can cause heat generation or fire.
- When installing the unit, use the installation kit provided with the product.
- The appliance shall be installed in accordance with national wiring regulations.
- Do not use a defective or underrated circuit breaker.
- Do not plug multiple socket outlets, an extension power cable or adapter with this appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agents or similarly qualified person in order to avoid a hazard.

- Use standard circuit breaker and fuse that conform to the rating of the air conditioner.
- Do not modify or extend the power cable. Scratches or peeling insulation on the power cables may result in fire or electric shock, and should be replaced.
- Make sure that the power cable is neither dirty, loose, nor broken.
- Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.
- Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- Take care to ensure that power cable could not be pulled out or damaged during operation.
- Do not place any objects on the power cable.
- Do not plug or unplug the power supply plug to turn the unit ON/OFF.
- Appliance shall be disconnected from its power source during service and when replacing parts.

Operation

- When the product is soaked (flooded or submerged) in water, contact an Authorized Service Center for repair before using it again.
- Use only the refrigerant specified on the air conditioner label.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not place a heater or other heating appliances near the power cable.
- Do not allow water to run into electric parts. Install the unit away from water sources.
- Do not use flammable gas and combustible substances (benzene, gasoline, thinner, petroleum, alcohol, etc.) near the appliance.
- Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.
- Be cautious that water could not enter the product.

- In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work.
- Be sure to use only those parts listed in the service parts list. Never attempt to modify the equipment.
- Do not use the product in a tightly closed space for a long time. Perform ventilation regularly.
- Do not open the front grille of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)
- If strange sounds, smell or smoke comes from product. Immediately turn the breaker off or disconnect the power supply cable.
- Be sure to ventilate sufficiently when the air conditioner and a heating appliance such as a heater are used simultaneously.
- Make sure that do not climb on or hit the outdoor unit.
- When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on. Do not use the telephone or turn switches on or off.
- Use a vacuum pump or Inert (nitrogen) gas when doing leakage test or air purge. Do not compress air or Oxygen and Do not use Flammable gases.
- Do not touch refrigerant pipe, water pipe and any internal parts while the unit is operating or immediately after operation.

Maintenance

- Safely dispose of packing materials such as screws, nails or batteries using proper packaging after installation or repair.

CAUTION

CAUTION

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

Installation

- Two or more people must lift and transport the product.
- Do not install the air conditioner in an area where it is directly exposed to sea wind (salt spray).
- Install the drain hose properly for the smooth drainage of water condensation.
- Adjust the level after placing the appliance in the installation area.
- Install the air conditioner in a place where the noise from the outdoor unit or the exhaust fumes will not inconvenience the neighbors. Failure to do so may result in conflict with the neighbors.
- Be sure to check if there is a refrigerant leak after installing or repairing the air conditioner.
- Exercise caution when unpacking or installing the air conditioner.
- Do not touch the leaking refrigerant during installation or repair.
- Do not tilt the appliance to pull or push it when transporting.
- Do not mix air or gas other than the specified refrigerant used in the system.
- If the refrigerant gas leaks during the installation, ventilate the area immediately.
- Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.
- If anyone other than a licensed professional installs, repairs, or alters LG Electronics air conditioning products, the warranty is voided. All costs associated with repair are then the full responsibility of the owner.
- Do not install the unit in potentially explosive atmospheres.

Operation

- Do not use the product for special purposes, such as preserving foods, works of art, and etc. It is an air conditioner for consumer purposes, not a precision refrigeration system.
- Do not block the inlet or outlet of air flow.

- Never touch the metal parts of the air conditioner when removing the air filter.
- Do not place any object on the air conditioner.
- Do not insert hands or other objects through the air inlet or outlet while the air conditioner is operating.
- Never mix different types of batteries, or old and new batteries for the remote control.
- Dispose of the batteries in a place where there is no danger of fire.
- 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, wash off the inside of the mouth thoroughly and consult a doctor.
- Do not let the air conditioner run for a long time when humidity is very high or when a door or a window has been left open.
- Do not expose people, animals, or plants to the cold or hot wind from the air conditioner for extended periods of time.
- Do not drink the water drained from the air conditioner.
- 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.

Maintenance

- Use a soft cloth to clean. Do not use harsh detergents, solvents or splashing water etc.
- Clean the air filters once every 2 weeks, or more, if necessary.
- Use a sturdy stool or ladder when cleaning, maintaining, or repairing the air conditioner at a height.

OPERATION

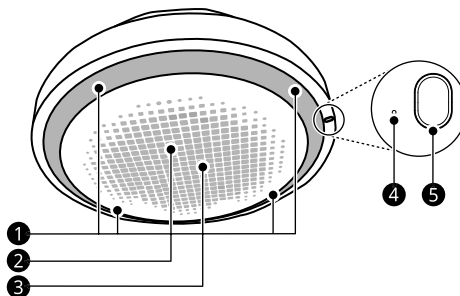
Notes for Operation

Suggestion for Energy Saving

- Do not over-cool the space. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, within a short period of time.
- Open windows regularly for ventilation. The indoor air quality may deteriorate if the air conditioner is used for long durations.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or reduce the unit performance.

Product Overviews

Indoor Unit



- ❶ Air Discharge
- ❷ Front grille/filter
- ❸ Remote Sensor/Lamp
- ❹ Air Inlet
- ❺ Forced Operation Button

NOTE

- The number and location of operation lamps may vary according to the model of the air conditioner.
 - The feature may be changed according to the type of model.
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Operation Indication Lamps

Description	Lamp Color
Cooling mode	Green
Heating mode	Green
Time to clean filter in cooling/heating mode	Yellowish Green
Time to clean filter when product is not operating	Orange
Hot start or defrost mode before starting heating mode	Green
When reservation set on	Green
When the product requires filter cleaning during product operating reservation.	Yellowish Green

NOTE

- The filter cleaning indicator lamp turns off automatically after a certain period of time (50 hours). (Turning it off directly: Wired remote control - press function setting release button once, Wireless remote control - press release button three times)
- Defrost: Automatically melts any ice on the outdoor unit's heat exchanger in winter

Auto Restart Function

This function is useful in the case of power failure. When power regains after a failure this feature restores the previous operating condition and the air conditioner will run in the same settings.

NOTE

- This feature is enabled by the factory default settings, but you can disable it by pressing and holding the **ON/OFF** button for 6 seconds. The unit will beep twice and the lamp will blink 8 times.
- To enable it, press the button again for 6 seconds. The unit will beep twice and the blue lamp will blink 4 times.

Tip for Sign LED

- 1 Filter sign lamp (LED) is ON.
- 2 If LED indicating filter sign lamp is ON, clean the filter.

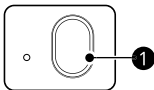
NOTE

- The Clean Filter indicator lamp does not light up starting from the corresponding product manufacturing number (after Oct. 2021).

Forced Operation

Forced operation is used when the remote controller can't be used.

- The operation will be started if the **Forced Operation** button is pressed.



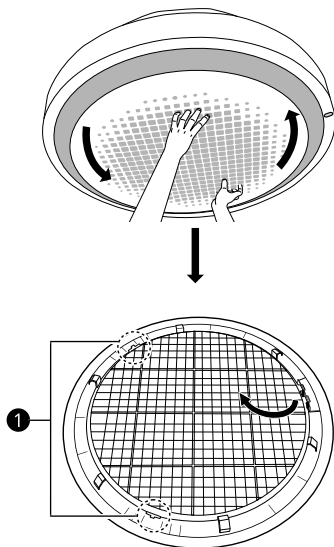
1 Forced Operation Button

MAINTENANCE

Clean the Air Filter

Clean the Air Filter

- 1 Remove the air filters from the indoor unit.



① Hook

- 2 Clean the filters with a vacuum cleaner or with lukewarm water with neutral detergent.
- 3 Dry the filters in the shade.
- 4 Install the Air filter.

⚠ WARNING

- Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.

- When the air filter needs to be removed, do not touch the metal parts of the indoor unit. Doing so may cause an injury.

⚠ CAUTION

- Never touch the metal parts of the air conditioner when removing the air filter.
- Never use water that is higher than 40 °C when you clean the filter. It may cause deformation or discoloration.
- Never use volatile substances when you clean the filter. They may damage the surface of the product.
- Clean the Indoor unit surface by using a soft, dry cloth.

NOTE

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

Tips for Maintenance

When not in Use for a Long Time

- 1 Operate the air conditioner at the following settings for 2 to 3 hours.
 - Type of operation: Fan operation mode.
 - This will dry out the internal mechanisms.

- 2 Turn off the breaker.

⚠ CAUTION

- Turn off the breaker when the air conditioner is not going to be used for a long period of time.
 - Dirt may collect and may cause a fire.

NOTE

- Dust and impurities collected in the air filter may block the air flow or reduce the unit performance.

- Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

When Use again after a Long Period of Non-use

- 1 Clean the air filter and install it in the indoor unit.
- 2 Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
- 3 Check that the ground wire is connected correctly.
 - The ground wire may be connect to the indoor unit side.

Operation Tips

- Do not overcool the room.
 - This is not good for the health and wastes electricity.
- Keep blinds or curtains closed.
 - Do not let direct sunshine enter the room when the air conditioner is in operation.
- Keep the room temperature uniform.
 - Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.
- Make sure that the doors and windows are shut tight.
 - Avoid opening doors and windows as much as possible to keep the cool air in the room.
- Clean the air filter regularly.
 - Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.
- Ventilate the room occasionally.

TROUBLESHOOTING

Before Calling for Service

Before Calling for Service

Please check the following before you contact the service center. If the problem persists, contact your local service center.

Symptoms	Possible Causes & Solution
The air conditioner does not work normally.	Burning smell and strange sounds are coming from the unit. <ul style="list-style-type: none">• Turn off the air conditioner, switch OFF, or disconnect the power supply, and contact the service center.
	Water leaks from the indoor unit even when the humidity level is low. <ul style="list-style-type: none">• Turn off the air conditioner, switch OFF, or disconnect the power supply, and contact the service center.
	The power cable is damaged or it is generating excessive heat. <ul style="list-style-type: none">• Turn off the air conditioner, switch OFF, or disconnect the power supply, and contact the service center.
	A switch, a circuit breaker (safety, ground), or a fuse is not operated properly. <ul style="list-style-type: none">• Turn off the air conditioner, switch OFF, or disconnect the power supply, and contact the service center.
	The unit generates an error code from its self-diagnosis. <ul style="list-style-type: none">• Turn off the air conditioner, switch OFF, or disconnect the power supply, and contact the service center.

Symptoms	Possible Causes & Solution
The air conditioner does not work.	The air conditioner is unplugged. <ul style="list-style-type: none">• Check whether the power cord is plugged into the outlet or the power isolators are switched on.
	A fuse exploded, or the power supply is blocked. <ul style="list-style-type: none">• Replace the fuse or check if the circuit breaker has tripped.
	A power failure has occurred. <ul style="list-style-type: none">• Turn off the air conditioner when a power failure occurs.• When the power is restored, wait 3 minutes, and then turn on the air conditioner.
	The voltage is too high or too low. <ul style="list-style-type: none">• Check if the circuit breaker has tripped.
	The air conditioner was turned off automatically at a preset time. <ul style="list-style-type: none">• Turn the air conditioner on.
	The battery setting in the remote controller is incorrect. <ul style="list-style-type: none">• Make sure that the batteries are inserted correctly in your remote controller.• If the batteries are placed correctly, but the air conditioner still does not operate, replace the batteries and try again.
The air conditioner stops during operation.	The air conditioner is suddenly turned off. <ul style="list-style-type: none">• The Timer Function may have timed out, which turns the unit off. Check the timer settings.
	A power failure has occurred during operation. <ul style="list-style-type: none">• Wait for the power to come back. If you have the Auto Restart function enabled, your unit will resume its last operation several minutes after power is restored.
The indoor unit is still operating even when the unit has been turned off.	The Auto Clean function is being operated. <ul style="list-style-type: none">• Allow the Auto Clean function to continue since it removes any remaining moisture inside the indoor unit. If you do not want this feature, you can turn the unit off.

Symptoms	Possible Causes & Solution
The air conditioner does not emit cool air.	Air is not circulating properly. <ul style="list-style-type: none">Make sure that there are no curtains, blinds, or pieces of furniture blocking the front of the air conditioner.
	The air filter is dirty. <ul style="list-style-type: none">Clean the air filter once every 2 weeks.Refer to the air filter cleaning instructions.
	The room temperature is too high. <ul style="list-style-type: none">In summer, cooling the indoor air fully may take some time. In this case, select the Jet Mode to cool the indoor air quickly.
	Cold air is escaping from the room. <ul style="list-style-type: none">Make sure that no cold air is escaping through the ventilation points in the room.
	The desired temperature is higher than the current temperature. <ul style="list-style-type: none">Set the desired temperature to a level lower than the current temperature.
	There is a heating source nearby. <ul style="list-style-type: none">Avoid using heat generators like electric ovens or gas burners while the air conditioner is in operation.
	Fan Mode is selected. <ul style="list-style-type: none">During Fan Mode, air blows from the air conditioner without cooling or heating the indoor air.Switch the operation mode to cooling operation.
	Outside temperature is too high. <ul style="list-style-type: none">The cooling effect may not be sufficient.
The air conditioner does not emit warm air.	When Heating Mode starts, the vane is almost closed, and no air comes out, even though the outdoor unit is operating. <ul style="list-style-type: none">This symptom is normal. Please wait until the unit has generated enough warm air to blow through the indoor unit.
	The outdoor unit is in Defrosting Mode. <ul style="list-style-type: none">In Heating Mode, ice/frost is built up on the coils when the outside temperature falls. This function removes a layer of frost on the coil, and it should finish in approximately 15 minutes.
	Outside temperature is too low. <ul style="list-style-type: none">The heating effect may not be sufficient.

Symptoms	Possible Causes & Solution
The air outlet on the indoor unit is discharging mist.	<p>The cooled air from the air conditioner makes mist.</p> <ul style="list-style-type: none"> When the room temperature decreases, this phenomenon will disappear.
Water leaks from the outdoor unit.	<p>In the heating operations, condensed water drops from the heat exchanger.</p> <ul style="list-style-type: none"> This symptom requires installing a drain hose under the base pan. Contact the installer.
There is noise or vibration.	<p>A clicking sound can be heard when the unit starts or stops due to movement of the reversing valve. Creaking sound: The plastic parts of the indoor unit creak when they shrink or expand due to sudden temperature changes. Flowing or Blowing sound: This is the flow of refrigerant through the air conditioner.</p> <ul style="list-style-type: none"> These are normal symptoms. The noise will stop.
The indoor unit gives off an odor.	<p>Odors (such as cigarette smoke) may be absorbed into the indoor unit and discharged with airflow.</p> <ul style="list-style-type: none"> If the smell does not disappear, you need to wash the filter. If this does not work, contact the service center to clean your heat exchanger.

NOTE

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

Memo

Memo

