

# OWNER'S MANUAL

# AIR CONDITIONER

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

WALL MOUNTED  
Original instruction



MFL69485718  
Rev.04\_091321

[www.lg.com](http://www.lg.com)

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## TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. 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, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

### For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number : \_\_\_\_\_

Serial number : \_\_\_\_\_

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

Dealer's name : \_\_\_\_\_

Date of purchase : \_\_\_\_\_

# SAFETY INSTRUCTIONS

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.



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

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.



## WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.

- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

### Installation

- Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse. There is risk of fire or electric shock.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself. There is risk of fire or electric shock.
- Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightning rod or telephone ground wire. There is risk of fire or electric shock.
- Install the panel and the cover of control box securely. There is risk of fire or electric shock due to dust , water etc.
- Use the correctly rated breaker or fuse. There is risk of fire or electric shock.
- Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced. There is risk of fire or electric shock.
- For installation, removal or reinstall , always contact the dealer or an Authorized Service Center. There is risk of fire, electric shock, explosion, or injury.
- Do not install the product on a defective installation stand. Be sure that the installation area does not deteriorate with age. It may cause product to fall.
- Never install the outdoor unit on a moving base or a place from where it can fall down.  
The falling outdoor unit can cause damage or injury or even death of a person.
- 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.  
An charged capacitor can cause electrical shock.
- When installing the unit, use the installation kit provided with the product. Otherwise the unit may fall and cause severe injury.
- 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.

- Safely dispose off the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and throw away the plastic packaging bags. Children may play with them and cause injury.
- Be sure to check the refrigerant to be used. Please read the label on the product. Incorrect refrigerant used can prevent the normal operation of the unit.

## Operation

- When the product is soaked (flooded or submerged) in water , contact an Authorized Service Center for repair before using it again. There is risk of fire or electric shock.
- Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment. The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire.
- Do not touch , operate, or repair the product with wet hands. Hold the plug by hand when taking out. There is risk of electric shock or fire.
- Do not place a heater or other heating appliances near the power cable. There is risk of fire and electric shock.
- Do not allow water to run into electric parts. Install the unit away from water sources. There is risk of fire, failure of the product, or electric shock.
- Do not store or use or even allow flammable gas or combustibles near the product. There is risk of fire.
- Do not use the product in a tightly closed space for a long time. Perform ventilation regularly. Oxygen deficiency could occur and hence harm your health.
- Do not open the front grille of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.) There is risk of physical injury, electric shock, or product failure.
- If strange sound, smell or smoke comes from product. Immediately turn the breaker off or disconnect the power supply cable. There is risk of electric shock or fire.
- Ventilate the product room from time to time when operating it together with a stove, or heating element etc. Oxygen deficiency can occur and hence harm your health.
- When the product is not to be used for a long time, disconnect the power supply plug or turn off the breaker. There is risk of product damage or failure, or unintended operation.
- Take care to ensure that nobody especially kids could step on or fall onto the outdoor unit. This could result in personal injury and product damage.

- 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 place anything on the power cable. There is risk of fire or electric shock.
- When flammable gas leaks, turn off the gas and open a window for ventilation before turning on the product. Do not use the telephone or turn switches on or off. There is risk of explosion or fire.
- Make sure to ventilate sufficiently when this air conditioner and a heating appliance such as a heater are used simultaneously. Failure to do so may result in fire, serious injury, or product failure.

## CAUTION

### Installation

- Two or more people must lift and transport the product. Avoid personal injury.
- Do not install the product where it will be exposed to sea wind (salt spray) directly. It may cause corrosion on the product.
- Install the drain hose to ensure that the condensed water is drained away properly. A bad connection may cause water leakage.
- Keep level even when installing the product. To avoid vibration or noise.
- Do not install the product where the noise or hot air from the outdoor unit could damage or disturb the neighborhoods. It may cause a problem for your neighbors and hence dispute.
- Always check for gas (refrigerant) leakage after installation or repair of product. Low refrigerant levels may cause failure of product.
- 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, etc. It is a consumer air conditioner, not a precision refrigeration system. There is risk of damage or loss of property.
- Do not block the inlet or outlet of air flow. It may cause product failure.
- Use a soft cloth to clean. Do not use harsh detergents, solvents or splashing water etc. There is risk of fire, electric shock, or damage to the plastic parts of the product.
- Do not touch the metal parts of the product when removing the air filter. There is risk of personal injury.

- Do not step on or put anything on the product. (outdoor units) There is risk of personal injury and failure of product.
- Always insert the filter securely after cleaning. Clean the filter every two weeks or more often if necessary. A dirty filter reduces the efficiency.
- Do not insert hands or other objects through the air inlet or outlet while the product is operating. There are sharp and moving parts that could cause personal injury.
- Be cautious when unpacking and installing the product. Sharp edges could cause injury.
- If the refrigerant gas leaks during the repair, do not touch the leaking refrigerant gas. The refrigerant gas can cause frostbite (cold burn).
- Do not tilt the unit when removing or uninstalling it. The condensed water inside can spill.
- Do not mix air or gas other than the specified refrigerant used in the system. If air enters the refrigerant system, an excessively high pressure results, causing equipment damage or injury.
- If the refrigerant gas leaks during the installation, ventilate the area immediately. Otherwise it can be harmful for your health.
- Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.
- Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries. There is risk of fire or product failure.
- Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire. They may burn or explode.
- If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.
- If you swallow the battery fluid from a leak, wash out the inside of your mouth thoroughly and then consult a doctor. Failure to do so may result in serious health complications.
- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open. Moisture may condense and wet or damage furniture.
- Do not expose your skin or kids or plants to the cool or hot air draft. This could harm to your health.
- Do not drink the water drained from the product. It is not sanitary and could cause serious health issues.
- Use a firm stool or ladder when cleaning, maintaining or repairing the product at an height. Be careful and avoid personal injury.

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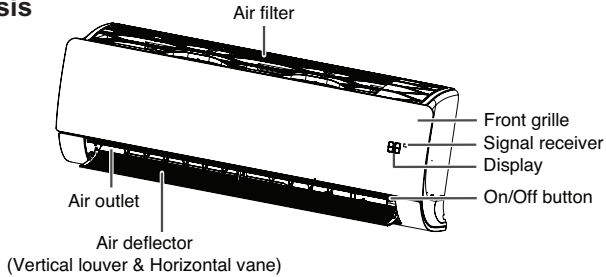
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# PRODUCT INTRODUCTION

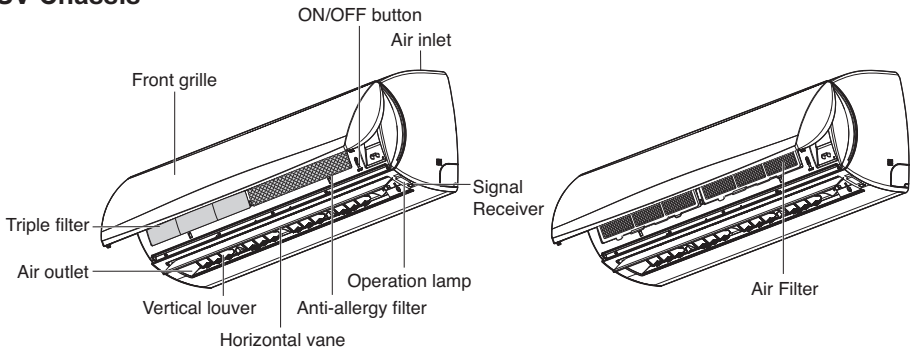
Here is a brief introduction of the indoor units.

## Indoor unit

### SJ/SK Chassis



### SV Chassis



\* The feature can be changed according to the type of model.

## NOTE

The number of operation lamps and their locations may vary, depending on the model of the air conditioner.

# OPERATING INSTRUCTIONS

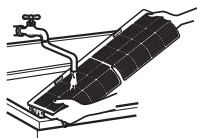
## Auto Restart Function

In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.

# MAINTENANCE AND SERVICE

## Air Filters

The air filters behind the front panel / grille should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water. Dry well in shade after washing and reinstall the filters back in place.



## CAUTION

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

Never use any of the followings:

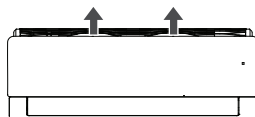
- Water hotter than 40 °C. Could cause deformation and/or discoloration.
- Volatile substances. Could damage the surfaces of the air conditioner.

## Clean the air filter

### SJ/SK Chassis

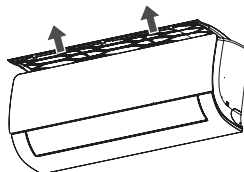
Clean the air filter once every 2 weeks or more if necessary.

- 1 Turn off the power and unplug the power cord.
- 2 Hold the knob of air filter, Lift it up slightly.



\* The feature can be changed according to type of model.

- 3 Hold the knob of the air filter, lift it up slightly and remove it from the unit.



\* The feature can be changed according to type of model.

- 4 Clean the filter with a vacuum cleaner or with warm water.
  - If dirt is difficult to remove, wash the filter in lukewarm water with detergent.
- 5 Dry the filter in the shade.

## SV Chassis

### Deodorizer Filters

Remove the deodorizer filters behind the air filter and expose them in direct sunlight for 2 hours.

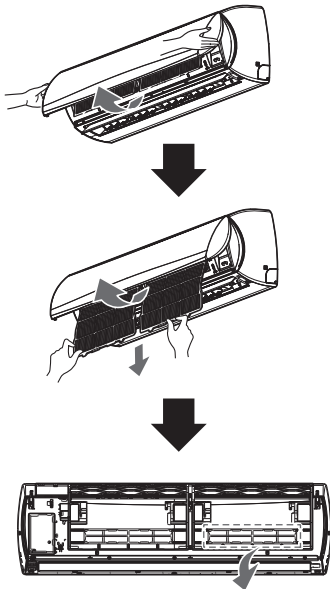
And then insert these filters into original position.

### Removal of Filters

Open the front panel as shown.

Then pull the filter tab slightly forward to remove the air filter.

After removing the deodorizer filter by slightly pulling forward.



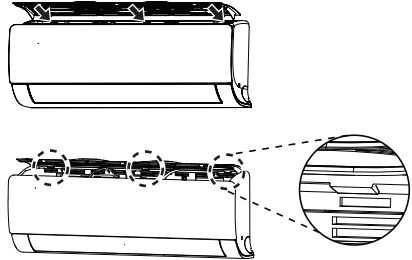
#### NOTE

- The air filter is not assembled correctly, Dust and other substance come into the indoor unit.
- The air filter can be broken when it is bended.

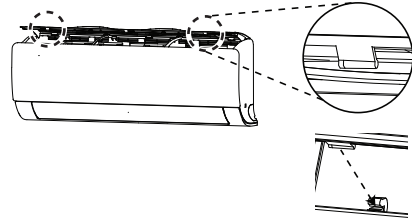
### Assemble the air filter

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

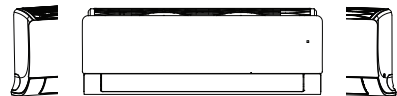
- 1 Turn off the power and unplug the power cord.
- 2 Insert the hooks of the air filter into the front grille.



- 3 Push down hooks to assemble the air filter.




- 4 Check side of the front grille for the air filter assembled correctly.

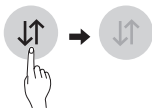


## Smart Functions

### Using LG ThinQ Application

Things to check before using LG ThinQ  
For appliances with the  or ThinQ logo


- 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.
  - For iPhones, turn data off by going to Settings → Cellular → Cellular Data.



- 3 Connect your smartphone to the wireless router.



### NOTE

- To verify the Wi-Fi connection, check that Wi-Fi  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 LG ThinQ

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


### NOTE

If you choose the simple login to access the LG ThinQ application, you must go through the appliance registration process each time you change your smartphone or reinstall the application.

## Product Registration

- 1 Run the LG ThinQ application on a smart phone.
- 2 Create an account and sign in.
- 3 Select Register.
- 4 Select Air conditioner.
- 5 Follow the instruction on the smart phone.

## Wi-Fi Function

- For appliances with the  or ThinQ logo  
Communicate with the appliance from a smart phone using the convenient smart features.

## Using the Application

- 1 Select the appliance in the application and connect it to a Wi-Fi network.
- 2 Select the menu on the upper right side to access settings and features.

## Firmware Update

Keep the appliance performance updated.

## Smart Diagnosis™

If you use the Smart Diagnosis function, you will be provided with the useful information such as a correct way of using the appliance based on the pattern of use.

## Settings

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

### NOTE



- If you change your wireless router, your Internet service provider or your password after registering the appliance, please delete it from the LG ThinQ Settings → Edit Product and register again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

## Open Source Software Notice Information

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

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

**Smart Diagnosis™ Using a Smart Phone**

- For appliances with the  or  logo  
Use this function if you need an accurate diagnosis by an LG Electronics customer information centre when the appliance malfunctions or fails.

Smart Diagnosis™ can not be activated unless the appliance is connected to power. If the appliance is unable to turn on, then troubleshooting must be done without using Smart Diagnosis™.

- 1 Open the LG ThinQ application on the smart phone.
- 2 Select the air conditioner in dashboard.
- 3 Press Start Smart Diagnosis button.
- 4 Follow the instructions on the smart phone.

**NOTE**

- The Smart Diagnosis™ function depends on the local call quality.
- If the Smart Diagnosis™ data transfer is poor due to poor call quality, you may not receive the best Smart Diagnosis™ service.
- Be sure to keep ambient noise to a minimum or the phone may not correctly receive the buzzer beeps from the indoor unit.

# TROUBLESHOOTING

## Self-diagnosis function

This product has a built-in self-diagnosis function. If an error occurs, the lamp of the indoor unit will blink in 2 second intervals. If this occurs, contact your local dealer or service center.

## Before requesting service

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

Problem	Possible causes	Corrective action
<b>The air conditioner does not work normally.</b>	Burning smell and strange sounds are coming from the unit.	- 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.	
	The power cable is damaged or it is generating excessive heat.	
	A switch, a circuit breaker (safety, ground), or a fuse is not operated properly.	
	The unit generates an error code from its self-diagnosis.	
<b>The air conditioner does not work.</b>	The air conditioner is unplugged.	- 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.	- Replace the fuse or check if the circuit breaker has tripped.
	A power failure has occurred.	- 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.	- Check if the circuit breaker has tripped.
	The air conditioner was turned off automatically at a preset time.	- Turn the air conditioner on.
	The battery setting in the remote controller is incorrect.	- 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.

Problem	Possible causes	Corrective action
<b>The air conditioner does not emit cool air.</b>	Air is not circulating properly.	- Make sure that there are no curtains, blinds, or pieces of furniture blocking the front of the air conditioner.
	The air filter is dirty.	- Clean the air filter once every 2 weeks. - See "Clean the Air Filter" for more information.
	The room temperature is too high.	- 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.	- Make sure that no cold air is escaping through the ventilation points in the room.
	The desired temperature is higher than the current temperature.	- Set the desired temperature to a level lower than the current temperature.
	There is a heating source nearby.	- Avoid using heat generators like electric ovens or gas burners while the air conditioner is in operation.
	Fan Mode is selected.	- 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.	- The cooling effect may not be sufficient.
<b>The fan speed cannot be adjusted.</b>	The Jet Mode, or Auto Operation Mode is selected.	- In some operation modes, you cannot adjust the fan speed. Select an operation mode in which you can adjust the fan speed.
<b>The temperature cannot be adjusted.</b>	The Fan Mode or Jet Mode is selected.	- In some operation modes, you cannot adjust the temperature. Select an operation mode in which you can adjust the temperature.
<b>The air conditioner stops during operation.</b>	The air conditioner is suddenly turned off.	- The Timer Function may have timed out, which turns the unit off. Check the timer settings.
	A power failure has occurred during operation.	- 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.

Problem	Possible causes	Corrective action
<b>The indoor unit is still operating even when the unit has been turned off.</b>	The Auto Clean function is being operated.	- 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.
<b>The air outlet on the indoor unit is discharging mist.</b>	The cooled air from the air conditioner makes mist.	- When the room temperature decreases, this phenomenon will disappear.
<b>Water leaks from the outdoor unit.</b>	In the heating operations, condensed water drops from the heat exchanger.	- This symptom requires installing a drain hose under the base pan. Contact the installer.
<b>There is noise or vibration.</b>	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.	- These are normal symptoms. The noise will stop.
<b>The indoor unit gives off an odor.</b>	Odors (such as cigarette smoke) may be absorbed into the indoor unit and discharged with airflow.	- 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.
<b>The air conditioner does not emit warm air.</b>	When Heating Mode starts, the vane is almost closed, and no air comes out, even though the outdoor unit is operating.	- 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.	- 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.	The heating effect may not be sufficient.

**NOTE**

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





