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LG
Life's Good

OWNER'S MANUAL

FRIDGE & FREEZER

Before beginning installation, read these instructions carefully. This will simplify installation and ensure that the product is installed correctly and safely. Leave these instructions near the product after installation for future reference.

ENGLISH

MFL71667913
Rev.02_061022

www.lg.com

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

This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

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

Safety Messages

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

⚠ **WARNING**

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

⚠ **CAUTION**

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

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:

Technical Safety

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

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

- This appliance is intended to be used in household and similar applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses and by clients in hotels, motels and other residential type environments;
  - bed and breakfast type environments;
  - catering and similar non-retail applications.



This symbol alerts you to flammable materials that can ignite and cause a fire if you do not take care.

- This appliance contains a small amount of isobutane refrigerant (R600a), but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. Consult with service agent or a similarly qualified person before disposing of them.
- Do not damage the refrigerant circuit.
- If the power cord is damaged or the hole of the outlet socket is loose, do not use the power cord and contact an authorized service centre.
- Do not locate multiple portable outlet sockets or portable power supplies at the rear of the appliance.
- Securely plug the power plug in the outlet socket after completely removing any moisture and dust.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the outlet socket.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

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- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not tilt the appliance to pull or push it when transporting.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not use mechanical devices or other means to accelerate the defrosting process.
- Do not use a hair drier to dry the inside of the appliance or place a candle inside to remove the odours.
- Do not use electrical appliances inside the refrigerator.
- Make sure not to get a body part such as a hand or foot stuck while moving the appliance.
- Disconnect the power cord before cleaning the appliance interior or exterior.
- Do not spray water or inflammable substances (toothpaste, alcohol, thinner, benzene, flammable liquid, abrasive, etc.) over the interior or exterior of the appliance to clean it.
- Do not clean the appliance with brushes, cloths or sponges with rough surfaces or which are made of metallic material.
- Only qualified service personnel from LG Electronics service centre should disassemble, repair, or modify the appliance. Contact an LG Electronics customer information centre if you move and install the appliance in a different location.

Risk of Fire and Flammable Materials

- If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes. In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance is used should correspond to the amount of refrigerant used. The room must be 1 m^2 in size for every 8 g of R600a refrigerant inside the appliance.
- Refrigerant leaking out of the pipes could ignite or cause an explosion.

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- The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.

Installation

- This appliance should only be transported by two or more people holding the appliance securely.
- Install the appliance on a firm and level floor.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Do not place the appliance in direct sunlight or expose it to the heat from heating appliances such as stoves or heaters.
- Be careful not to expose the rear of the appliance when installing.
- Install the appliance in a place where it is easy to unplug the power plug of the appliance.
- Be careful not to let the appliance door fall during assembly or disassembly.
- Be careful not to pinch, crush, or damage the power cable during assembly or disassembly of the appliance door.
- Be careful not to point the power plug up or let the appliance lean against the power plug.
- Do not connect a plug adapter or other accessories to the power plug.
- Do not modify or extend the power cable.
- Ensure that the outlet socket is properly grounded, and that the earth pin on the power cord is not damaged or removed from the power plug. For more details on grounding, inquire at an LG Electronics customer information centre.
- This appliance is equipped with a power cord having an equipment-grounding conductor and a grounding power plug. The power plug must be plugged into an appropriate outlet socket that is installed and grounded in accordance with all local codes and ordinances.

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- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.
- Do not plug the appliance into a multi socket adapter which does not have a power cable (mounted).
- The appliance should be connected to a dedicated power line which is separately fused.
- Do not use a multi socket outlet which is not properly grounded (portable). In case of using a properly-grounded multi socket outlet (portable), use the multi socket outlet with the current capacity of the power cord rating or higher and use the multi socket outlet only for the appliance.

Operation

- Do not use the appliance for any purpose (storage of medical or experimental materials or shipping) other than any domestic household food storage use.
- If water penetrates electrical parts of the appliance, disconnect power plug and contact an LG Electronics customer information centre.
- Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- Immediately unplug the power plug and contact an LG Electronics customer information centre if you detect a strange sound, odour, or smoke coming from the appliance.
- Do not place hands or metallic objects inside the area emitting the cold air, cover or heat releasing grille on the back.
- Do not apply excessive force or impact to the back cover of the appliance.

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- Be careful of nearby children when you open or close the appliance door. The door may bump the child and cause injury.
- Avoid the danger of children getting trapped inside the appliance. A child trapped inside the appliance can cause suffocation.
- Do not put animals, such as pets into the appliance.
- Do not place heavy or fragile objects, containers filled with liquid, combustible substances, flammable objects (such as candles, lamps, etc.), or heating devices (such as stoves, heaters, etc.) on the appliance.
- Do not place any electronic appliance (such as heater and mobile phone) inside the appliance.
- If there is a gas leakage (isobutane, propane, natural gas, etc.), do not touch the appliance or power plug and ventilate the area immediately. This appliance uses a refrigerant gas (isobutane, R600a). Although it uses a small amount of the gas, it is still combustible gas. Gas leakage during appliance transport, installation or operation can cause fire, explosion or injury if sparks are caused.
- Do not use or store flammable or combustible substances (ether, benzene, alcohol, chemical, LPG, combustible spray, insecticide, air freshener, cosmetics, etc.) near the appliance.

Disposal

- When discarding the appliance, remove the door gasket while leaving the shelves and baskets in place and keep children away from the appliance.

CAUTION

⚠ CAUTION

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

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Operation

- Do not touch frozen food or the metal parts in the freezer compartment with wet or damp hands. It may cause frostbite.
- Do not place glass containers, bottles or cans (especially those containing carbonated drinks) in the freezer compartment, shelves or ice bin that will be exposed to temperatures below freezing.
- The tempered glass on the front side of the appliance door or the shelves can be damaged by an impact. If it is broken, do not touch it with hands.
- Do not hang from the appliance doors, storage room, shelf or climb up into it.
- Do not store an excessive amount of water bottles or containers for side dishes on the door baskets.
- Do not open or close the appliance door with excessive force.
- If the hinge of the appliance door is damaged or operates improperly, stop using the appliance and contact an authorized service centre.
- Prevent animals from nibbling on the power cable or water hose.
- Never eat frozen foods immediately after they have been taken out in the freezer compartment.
- Make sure not to get a hand or foot stuck upon opening or closing the appliance door or door in door.

Maintenance

- This appliance is equipped with maintenance-free LED interior light. Do not remove cover or LED lamp in any attempt to repair or change it. Contact an LG Electronics customer information centre.
- Do not clean glass shelves or covers with warm water when they are cold. They may shatter if exposed to sudden temperature changes.
- Do not insert the shelves upside down. The shelves may fall.
- To remove frost from the appliance, contact an LG Electronics customer information centre.

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- Dispose of the ice inside the ice bin in the freezer compartment during an extended power outage.

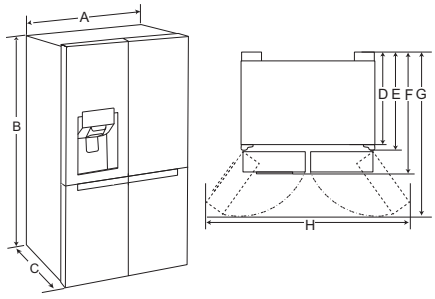
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INSTALLATION

Before Installation

Dimensions and Clearances

Too small of a distance from adjacent items may result in the degradation of freezing capability and increased electricity costs. Allow over 50 mm of clearance between the back of the appliance and the wall when installing the appliance.



-	Size (mm)	
-	Type 1	Type 2
A	912	912
B	1793	1793
C	919	744
D	794	619
E	859	689
F	919	744
G	1279	1104
H	1699	1699

NOTE

- You can determine what type of appliance it is by looking at the label inside the appliance.

Ambient Temperature

- The appliance is designed to operate within a limited range of ambient temperatures, depending on the climate zone.
- The internal temperatures could be affected by the location of the appliance, the ambient temperature, the frequency of door opening and so on.
- The climate class can be found on the rating label.

Climate Class	Ambient Temperature Range °C
SN (Extended Temperate)	+10 - +32
N (Temperate)	+16 - +32
ST (Subtropical)	+16 - +38 / +18 - +38**
T (Tropical)	+10 - +43* / +16 - +43 / +18 - +43**

* Australia, India, Kenya

** Argentina

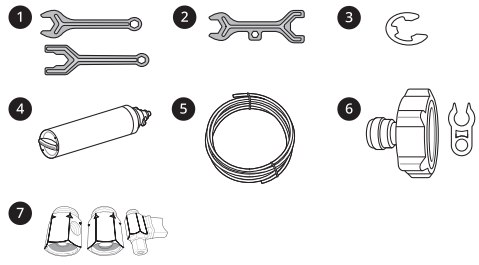
NOTE

- The appliances rated from SN to T are intended to be used at an ambient temperature between 10 °C and 43 °C.

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Accessories

*1 This feature is only available on some models.



❶ Spanner A*1

❷ Spanner B*1

❸ C-Clip (Snap Ring)*1

❹ Water Filter

❺ Water Tube

❻ Tube Connector and Clip*1

❼ Tube Connector and Valve*1

Removing the Fridge and Freezer Door

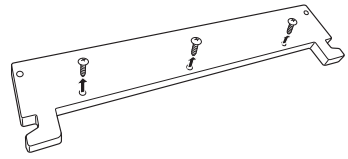
If your entrance door is too narrow for the appliance to pass through, remove the appliance doors and pass the appliance laterally.

⚠ WARNING

- Disconnect the power cord, house fuse or circuit breaker before installing, removing the doors, or cleaning the appliance. Failure to follow these instructions may result in death, fire or electric shock.

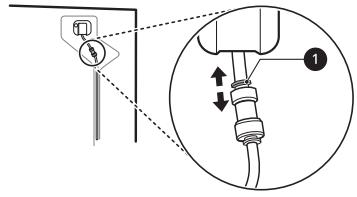
Removing the Hinge Cover

Remove the screws from the hinge cover at the top of the appliance. Lift the hook (not visible), located at the bottom of the front side of the cover with a flat-head screwdriver.

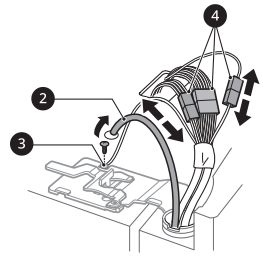


Removing the Left Fridge Door

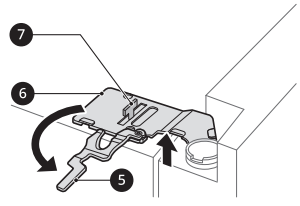
1 The water supply line is connected to the top right part at the back of the appliance. Hold the water supply connection and gently push the collet ❶ to detach the water supply line then unscrew the plastic tube cover for easy tube removal and reinstallation.



2 Pull out the tube ❷. Unscrew the ground wire ❸. Disconnect all wire harnesses ❹.



3 Rotate the hinge lever ❺ counterclockwise. Lift the top hinge ❻ free of the hinge lever latch ❼.

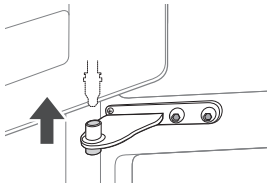


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⚠ CAUTION

- When lifting the hinge free of the latch, be careful that the door does not fall forward. It is recommended that two or more people carry out the door removal and refitting.

4 Lift the left fridge door until it is free of the middle hinge assembly.

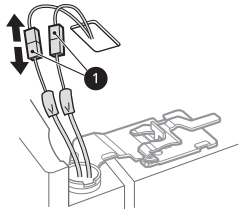


⚠ CAUTION

- Place the door on a non-scratching surface with the inner side facing up.

Removing the Right Fridge Door

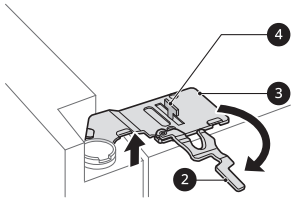
1 Disconnect all wire harnesses ❶.



NOTE

- The number of wire harnesses may vary depending on the model.

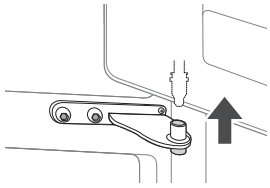
2 Rotate the hinge lever ❷ clockwise. Lift the top hinge ❸ free of the hinge lever latch ❹.



⚠ CAUTION

- When lifting the hinge free of the hinge lever latch, be careful that the door does not fall forward. It is recommended that two or more people carry out the door removal and refitting.

3 Lift the right fridge door until it is free of the middle hinge assembly.

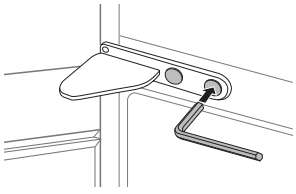


⚠ CAUTION

- Place the door on a non-scratching surface with the inner side facing up.

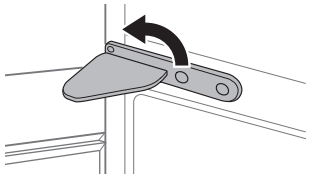
Removing the Freezer Door

1 Remove the two hinge bolts.

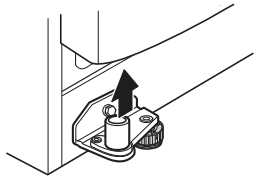


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2 Twist the hinge to raise the pivoting end so that the door can be lifted off. Lift the door off the lower hinge pin and remove it.



3 Remove the door by lifting it off the lower hinge pin.



Refitting the Fridge and Freezer Door

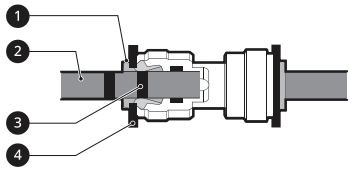
Refit the doors in the reverse sequence of their removal once the appliance has been passed through all access doors.

⚠ CAUTION

- Install the right fridge door first.

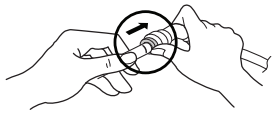
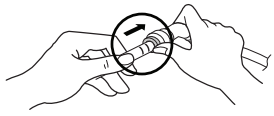
NOTE

- Disassembling/Assembling the water lines.

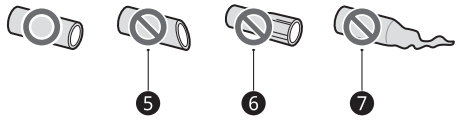


❶ Collet ❷ Tube ❸ Insert line ❹ Clip

- Gently insert the tube until only one of the tube's lines is visible. Pull on the tube to make sure that it is tightly fastened.

Correct	
Incorrect	

- If the water tube end is damaged, it should be trimmed to ensure it does not leak when refitted.



❺ Not straight ❻ Damaged ❼ Stretched

Connecting the Water Line

This feature is only available on some models.

Water Supply Requirements

A cold water supply with water pressure between 138 kPa and 827 kPa (1.4-8.4 kgf/cm^2) is required to operate the water dispenser. If the refrigerator is installed in an area with low water pressure (below 138 kPa), you can install a booster pump to compensate for the low pressure.

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 138 kPa to 827 kPa (1.4-8.4 kgf/cm^2)

⚠ WARNING

- Unplug the appliance before carrying out any work on connecting the water line. Failure to do so may cause electric shock.
- Only connect the water line to a cold water supply. Failure to do so may cause the water filter to malfunction. Water hammer (water banging in the pipes) in house plumbing can cause damage to appliance parts and can lead to water leakage or flooding.

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⚠ WARNING

- Connect to potable water supply only.
- Use a new hose when connecting water to the appliance. Do not use old, worn or used hoses.
- Connecting the water line must only be installed by a qualified plumber and in accordance with local legislation and regulations governing water quality.

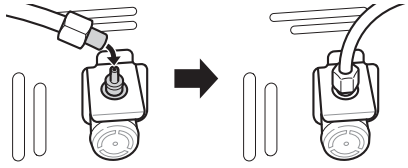
NOTE

- This water line installation is not covered by the appliance warranty.

Connecting Water to the Appliance

1 Unscrew the metal threaded collar nut at the back of the appliance and place it over one end of the water tube.

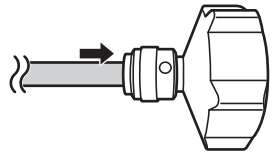
2 Firmly push the water tube onto the water inlet valve and tighten up the collar nut.



Connecting to the Water Tap

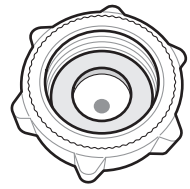
This feature is only available on some models.

1 Push the water tube into the hole of the tap connector supplied in the accessories. The pipe should be held firmly whilst the connector is pushed onto the pipe.



2 Ensure that the rubber washer is fitted to the inside of the tap connector before screwing it onto the tap.

- A separate connector or adaptor may need to be purchased if your tap fitting does not match the thread size of the connector provided.



Checking the Water Connection

1 Turn on the water supply and switch on the appliance. Carefully check all fittings for possible leaks due to poorly fitted hoses.

2 Press and hold the **Water Filter** button for three seconds. The new water filter has been activated.

3 Place a cup under the water dispenser to verify that water is flowing through the appliance.

4 Check the connecting tube and joints for leaks once again.

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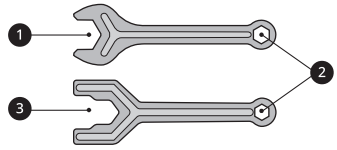
Levelling and Door Alignment

Before Beginning

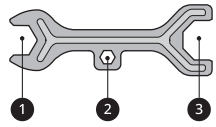
When the appliance doors appear to be uneven, follow the instructions below to align the doors.

NOTE

- The spanner may differ depending on the model. You will be provided with either spanner type A or B.
  - Spanner Type A



  - Spanner Type B

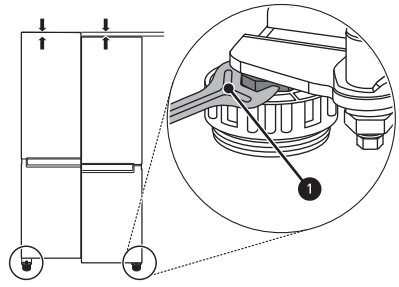


Levelling the Appliance

The appliance has two front levelling legs. Adjust the legs to alter the tilt from front to back or side to side. If the appliance seems unsteady, or the doors do not close easily, adjust the appliance's tilt using the instructions below.

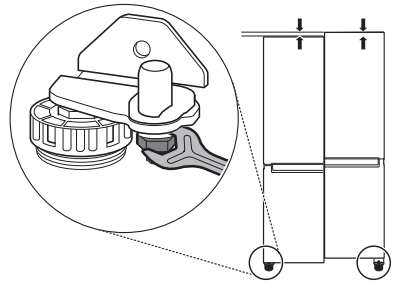
It is quite normal for the appliance to have a backward lean even when the front legs are turned all the way.

Use the spanner ❶ to adjust the height by turning the levelling leg to the left to raise it or to the right to lower it.

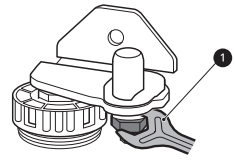


Door Alignment for Freezer Door

If the door of the appliance is not level, adjust the difference in the height of appliance door.

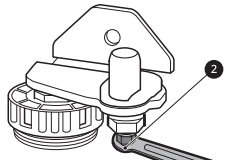


1 Open the door and use the spanner ❶ to loosen the keeper nut by turning it to the left.



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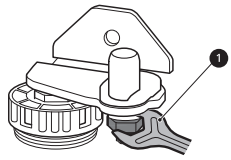
2 Use the spanner ❷ to adjust the height by turning the adjustment hinge pin to the left or to the right.



⚠ CAUTION

- Do not adjust the height of the appliance door more than 3 mm.

3 Use the spanner ❶ to fasten the keeper nut by turning it to the right.

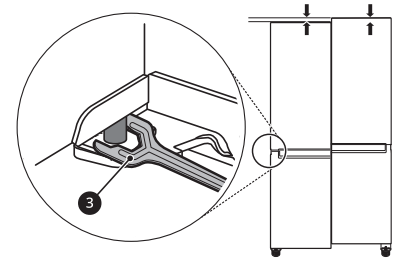


NOTE

- Levelling the doors may not be possible when the floor is not level, or is of weak or poor construction.
- The refrigerator is heavy and should be installed on a rigid, flat and solid surface.
- Some timber flooring may cause levelling difficulties if it flexes excessively.

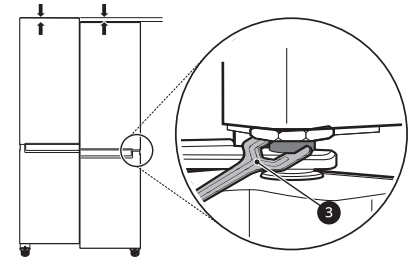
Door Alignment for Left Fridge Door

Open the fridge door and use the spanner ❸ to rotate the door hinge bolt.



Door Alignment for Right Fridge Door (Standard Door Model)

Open the fridge door and use the spanner ❸ to rotate the door hinge bolt.



Door Alignment for Right Fridge Door (Door in Door Model)

Adjust the left fridge door first.

The C-Clip (snap ring) may differ depending on the model.

- Type A



If the door is too low, lift the right door up and use a pair of long nose pliers to insert C-Clips until both doors are level.

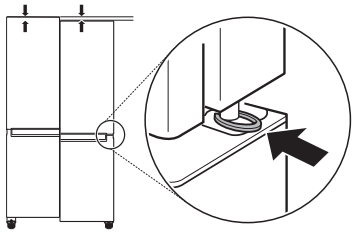
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- Type B



If the door is too low, lift the right door up and insert only one C-Clip with proper thickness.

- If a C-Clip is already inserted on the middle hinge, remove the C-Clip before inserting a new C-Clip.



⚠ CAUTION

- The door is heavy. To avoid injury, use two or more people to lift and align the fridge door.
- Small parts are a swallowing hazard for small children. Keep C-Clips out of the reach of children.

Turning on the Power

Connecting the Appliance

After installing the appliance, connect the power plug into the outlet socket. Do not double up with other appliances on the same outlet.

NOTE

- After connecting the power supply cord (or plug) to the outlet, wait 3 or 4 hours before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil.
- To turn off the appliance, disconnect the power plug from the socket outlet.

Moving the Appliance for Relocation

Preparing for Relocation

1. Remove all food from inside the appliance.
2. Pull the power plug out, insert and fix it into the power plug hook at the rear or on top of the appliance.
3. Tape parts such as shelves and the door handle to prevent from falling off while moving the appliance.
4. Move the appliance with more than two people carefully. When transporting the appliance over a long distance, keep the appliance upright.
5. After installing the appliance, connect the power plug into a mains outlet socket and switch it on.

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OPERATION

Before Use

Notes for Operation

- Users should keep in mind that frost can form if the door is not closed completely or if the humidity is high during the summer.
- Ensure there is sufficient space between food stored on the shelf or door basket to allow the door to close completely.
- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

Door Open Alarm

The alarm sounds 3 times in 30 second intervals if the door is left open or not completely closed for 1 minute.

NOTE

- Contact the LG Electronics customer information centre if the alarm sound continues even after closing all doors.

Failure Detection

The appliance can automatically detect problems during the operation.

NOTE

- If a problem is detected, the appliance may not operate and an error code is displayed even when any button is pressed.
- If an error code is indicated on the display, do not turn off the power. Immediately contact the LG Electronics customer information centre and report the error code. If you turn off the power, the repair technician from the our information centre may have difficulty finding the problem.

Suggestion for Energy Saving

- For the most efficient use of energy, keep all inner parts (e.g. door bins, drawers and shelves) on their original location.
- Ensure there is sufficient space between stored foods. This allows cold air to be circulated evenly and lowers electricity bills.
- Store hot food only after it has cooled in order to prevent dew or frost.
- When storing food in the freezer compartment, set the freezer temperature lower than the temperature indicated on the food.
- Do not set the temperature of the appliance lower than needed.
- Do not put food near the temperature sensor of the fridge compartment. Keep a distance of at least 3 cm from the sensor.
- Note that a temperature rise after defrosting has a permissible range in the appliance specifications. If you wish to minimise the impact on the food storage due to a temperature rise, seal or wrap the stored food in several layers.

Storing Foods Effectively

- Food may freeze or spoil if stored at the wrong temperature. Set the refrigerator to the correct temperature for the food being stored.
- Store frozen food or refrigerated food inside sealed containers.
- Check the expiration date and label (storage instructions) before storing food in the appliance.
- Do not store food for a long period of time if it spoils easily at a low temperature.
- Do not place unfrozen food in direct contact with food that is already frozen. It could be necessary

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to reduce the quantity to be frozen if freezing every day is anticipated.

- Place the refrigerated food or frozen food in each fridge or freezer compartment immediately after purchasing.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- Refrigerated foods and other food items can be stored on top of the vegetable drawer.
- Avoid refreezing any food which has been completely thawed. Freezing any food which has been completely thawed again will lower its taste and nutrition.
- Do not overfill the appliance. Cold air can not circulate properly if the appliance is overfilled.
- Cool hot food before storing. If too much hot food is placed inside, the internal temperature of the appliance can increase and negatively affect other foods stored in the appliance.
- If you set an excessively low temperature for food, it may become frozen. Do not set a temperature lower than the required temperature for the food to be stored correctly.
- If there are chill compartments in the appliance, do not store vegetables and fruits with higher moisture content in the chill compartments as they may freeze due to the lower temperature.
- In the event of a blackout, call the electricity company and ask how long it is going to last.
  - You should avoid door openings while the power is off.
  - When the power supply gets back to normal, check the condition of the food.

Maximum Freezing Capacity

- **Express Frz.** function will allow the freezer to reach its maximum freezing capacity. This generally takes up to 24 hours and automatically switches off.
- For maximum freezing capacity, set the freezer temperature to the coldest temperature setting.
- To get better air circulation, insert all inner parts like baskets, drawers, and shelves.
- Models without **Craft Ice** maker
  - **Express Frz.** must be switched on for 2 hours before fresh products are placed in the freezer compartment.
- Models with **Craft Ice** maker
  - To freeze quickly, press the **Express Frz.** button right after fresh products are placed in the freezer compartment.

Freezing the Maximum Amount of Food

If large quantities of food are to be stored, all the freezer drawers should be taken out of the appliance except the bottom one and the food should be stacked directly on the freezer shelves in the freezer compartment.

⚠ CAUTION

- To remove the drawers, first remove the food from drawers and then pull out the drawers carefully. Not doing so could cause injury or damage to the drawers.

NOTE

- The shape of each drawer may be different, insert in the right position.

Two Star Compartment

- Two star (**) basket or drawer can be used to store ice and food from -12 °C to -18 °C for short periods.
- Two star frozen food compartments are suitable for storing pre-frozen food, storing or making icecream and making ice cubes.
- Two star compartments are not suitable for the freezing of fresh food.

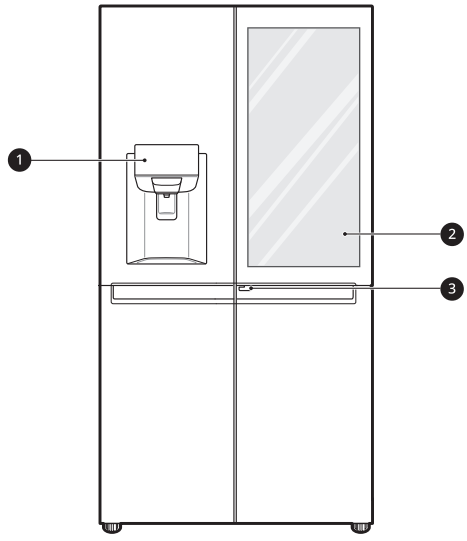
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Product Features

The appearance or components of the appliance may differ from model to model.

Exterior

*1 This feature is only available on some models.



❶ **Control Panel**

Sets the fridge temperature and freezer temperature, the water filter condition and the dispenser mode.

❷ **InstaView Door in Door**[*1]

The InstaView Door in Door compartment allows for easy access to frequently used food items.

❸ **Door in Door Lever**[*1]

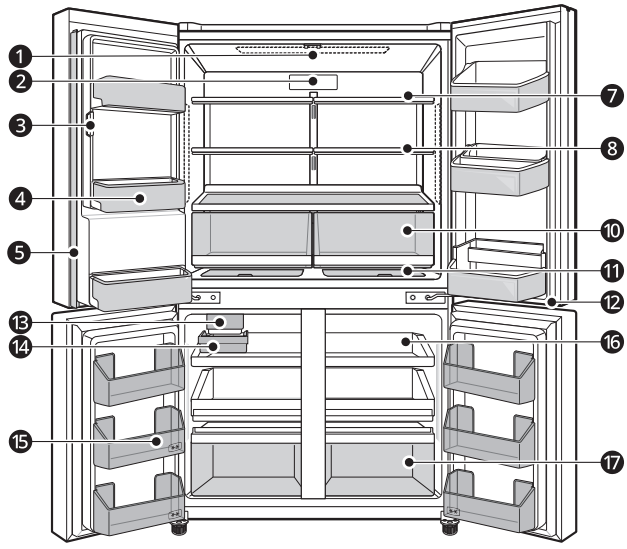
Opens the Door in Door.

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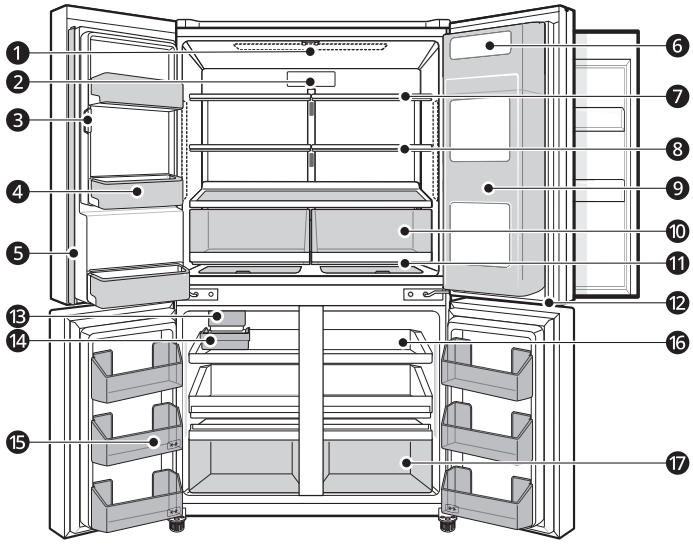
Interior (Two Star ⁂)

*1 This feature is only available on some models.

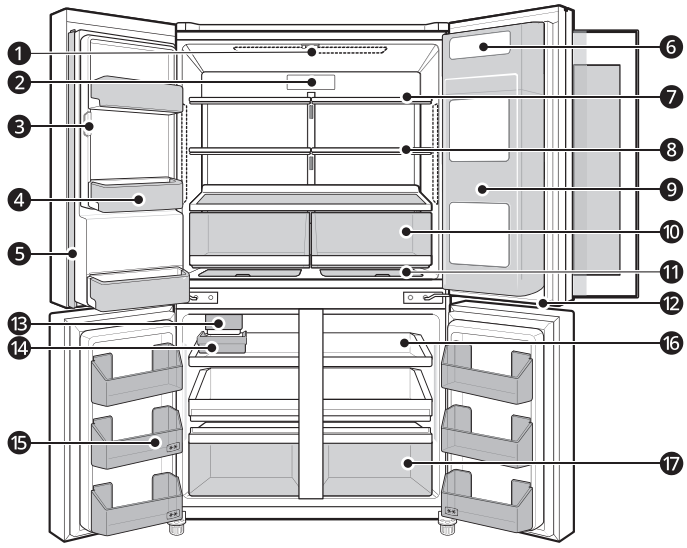
Standard Door Model:



Door in Door Model:



InstaView Door in Door Model:



❶ LED Lamp

The LED lamps inside the fridge light up when you open the door.

❷ Air Filter

Reduces odours inside the fridge compartment.

❸ In-Door Icemaker (Fridge)

This is where ice is automatically produced and stored.

❹ Fridge Door Basket

Stores small packages of refrigerated foods, drinks and sauce containers.

❺ Door Mullion

Prevents the cold air of the fridge from leaking.

⚠ CAUTION

- To reduce the risk of scratching the door or breaking the center door mullion, make sure that the refrigerator door mullion is always folded in.

❻ Dairy Basket

Stores dairy foods such as butter and cheese.

❼ Fridge Shelf

Stores refrigerated foods and fresh foods.

Stores the foods with higher moisture content at the front of the shelf.

The shelf height can be adjusted by inserting the shelf in another groove of different height.

❽ Folding Shelf[*1]

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This is adjustable to meet individual storage needs.

❾ Door in Door Compartment[*1]

Stores commonly used food items such as beverages and snacks.

❿ Vegetable Box

Stores fruits and vegetables to keep fresh for as long as possible.

⓫ Extra Space[*1]

Stores small food items such as cheese and ham.

⓬ LED Lamp

The LED lamp on the bottom of the fridge door lights up when you open the freezer door.

⓭ Craft Ice Maker (Freezer)[*1]

This is where **Craft Ice** is automatically produced.

⓮ Ice Basket[*1]

Stores ice from the freezer icemaker.

⓯ Freezer Door Basket

Stores small packages of frozen food. Do not store ice cream or food which will be stored for a long period of time.

⓰ Freezer Tray

Stores small packaged frozen food or frequently-used foods. The sliding trays allow easy access and convenience of use.

⓱ Freezer Drawer

Stores frozen food for longer storage.

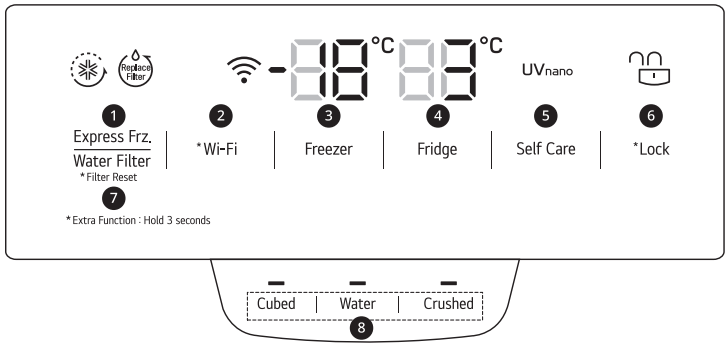
- Models without **Craft Ice** maker
  - To freeze food items quickly, store the food in the front of the middle drawers. Food items will freeze most quickly in the drawers.
- Models with **Craft Ice** maker
  - To freeze food items quickly, store the food in the front of the middle drawers or the left front of the bottom left drawer. Food items will freeze most quickly in the drawers.

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Control Panel

The actual control panel may differ from model to model.

Control Panel and Functions



❶ Express Frz.

This function can quickly freeze a large amount of ice or frozen foods.

- This function is enabled and disabled in turn each time you press the button.
- This function automatically terminates after a specific period has passed.

❷ Wi-Fi

This button allows the appliance to connect to a home Wi-Fi network. Refer to Smart Functions for information on the initial setup of the **LG ThinQ** application.

❸ Freezer

Press this button repeatedly to select a desired temperature between -23 °C and -15 °C.

- The default freezer temperature is -18 °C.

❹ Fridge

Press this button repeatedly to select a desired temperature between 1 °C and 7 °C.

- The default fridge temperature is 3 °C.

NOTE

- The actual inner temperature varies depending on the food status, as the indicated setting temperature is a target temperature, not actual temperature within the appliance.

❺ Self Care

UV light is used to keep the water outlet clean. UV clean function runs automatically for 10 minutes every hour or can be manually activated at anytime.

Press this button to activate it manually.

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NOTE

- This function will momentarily stop each time the **Water** button is pressed if it is in operation and will resume the function after 1 hour.
- This function runs automatically for 10 minutes every hour without pressing the **Self Care** button.
- UVnano is a compound word derived from the words UV and its unit, nanometer.

❻ Lock

This locks buttons on the control panel.

- To lock the control panel buttons, press and hold the **Lock** button for 3 seconds until the icon appears and the function is activated.
- To disable the function, press and hold the **Lock** button for 3 seconds until the icon appears and the function is deactivated.

NOTE

- The Lock function does not disable the dispenser operation.

❼ Water Filter

Replace the water filter when the indicator lights up.

❽ Water & Ice Type

Select a desired dispenser mode from the buttons on the control panel. Press the dispenser switch with a glass or other container to dispense cubed ice, water or crushed ice.

Changing the Craft Ice Mode

This feature is only available on some models.

The **Freezer** button can also be used to set the **Craft Ice** mode to either **3 ICE** or **6 ICE**.

1 Touch any button on the control panel to activate it.

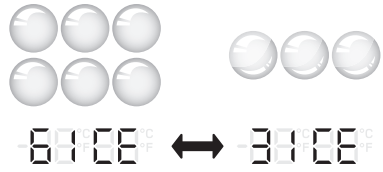
2 Press and hold the **Freezer** button for 3 seconds until the control panel beeps and the current ice mode appears.



3 Press the **Freezer** button repeatedly to toggle between the **3 ICE** and **6 ICE** modes. After 5 seconds of idle time, the last mode set will be saved, and the display will return to normal.

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- For more ice, select the **6 ICE** mode. For clearer ice, select the **3 ICE** mode.



NOTE

- The control panel automatically turns off for energy saving.
- When the appliance is in the energy saving mode, the display remains off until a door is opened or a button is pressed. Once on, the display remains on for 20 seconds.
- If there is any finger or skin contacts to the control panel while cleaning it, the button function may operate.
- This appliance incorporates an earth connection for functional purposes only.

Ice and Water Dispenser

Before Using the Ice and Water Dispenser

⚠ CAUTION

- Keep children away from the dispenser to prevent children playing with or damaging the controls.
- Throw away the first few batches of ice (about 20 cubes and 7 cups of water). This is also necessary if the appliance has not been used for a long time.
- Clean the water dispensing system if they have not been used for 48 hours. Flush the water system connected to a water supply if water has not been drawn for 5 days.
- To clean the water dispensing system, flush the water through the dispenser about 5 minutes and throw away the first few batches of ice.
- Do not use a thin crystal cup or chinaware when dispensing water or ice.

NOTE

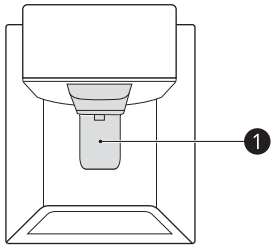
- If you open the fridge door while water, cubed ice or crushed ice is being dispensed, dispensing will be paused. When you close the door, the selected item will continue to be dispensed.
- If the cup rim is small, water may splash out of the glass or miss it completely.
- Use a cup with a rim of over 68 mm in diameter when dispensing water, cubed ice or crushed ice.
- When the ice maker produces smaller ice cubes, or the cubes become lumped together, the amount of water supplied to the ice maker may be low due to insufficient water in the water tank. If ice is not used frequently or the freezer set temperature is too warm, it may also lump together.
- It is normal for milky / cloudy water to be dispensed after replacing the water filter. This air in the water will eventually clear and is safe to drink during this transition.

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Using the Ice and Water Dispenser

Press the dispenser selection button repeatedly until the light above the icon that you want illuminates.

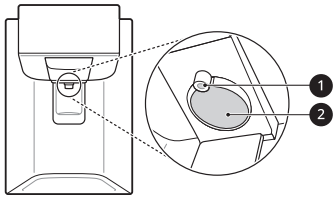
Press the dispenser paddle ❶ with a glass or other container to dispense cubed ice, water or crushed ice.



Cleaning the Dispenser

Cleaning the Ice and Water Outlet

Wipe the water outlet ❶ or ice outlet ❷ frequently with a clean cloth as it may get dirty easily.



NOTE

- Lint from a cloth may adhere to the outlets.

Cleaning the Dispenser Tray

Wipe the entire area with a damp cloth. The dispenser tray may become wet easily due to spilled ice or water.



Automatic Icemaker

This feature is only available on some models.

This feature may vary depending on model purchased.

Before Using the In-Door Icemaker

- The icemaker produces ice normally when approximately 48 hours have passed after the appliance is initially installed.
- If the ice bin is completely filled with ice, ice production will stop.
- Sound of ice dropping into the ice bin is normal.
- If ice cubes are stored in the ice bin for a long period of time, they may clump together and may not be separated easily. In such a case, empty the ice bin and allow fresh ice to be made.

⚠ CAUTION

- It is normal for milky or cloudy water to be dispensed after replacing the water filter. This air in the water will clear eventually and is safe to drink.
- The first ice and water dispensed may include particles or odour from the water supply line or the water tank.
- If discolored ice is dispensed, check the water tank and the water supply for a possible source. If the problem continues, contact the LG Electronics customer information centre. Do not use the ice or water until the problem is corrected.

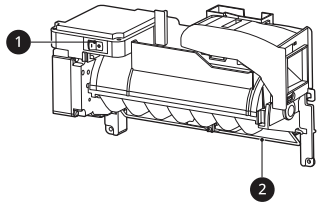
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⚠ CAUTION

- Do not touch the ice outlet or the automatic icemaker with your hand or a tool.
- Dispense ice into a glass before filling it with water or other beverages. Splashing will occur if ice is dispensed into a glass that already contains liquid.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage, affecting the performance of the appliance.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.
- Dispose of the ice inside the ice bin if you go on vacation or if an extended power outage occurs. Water from melting ice may drop from the dispenser onto the floor.

In-Door Icemaker

The automatic icemaker can automatically make 70 - 182 cubes within a 24-hour period if conditions are favourable. This amount may vary according to the environment (ambient temperature around the appliance, frequency of the door being opened, amount of food stored in the appliance, etc.).



❶ Power Switch

❷ Auto Shutoff (feeler arm)

Before Using the Freezer Icemaker

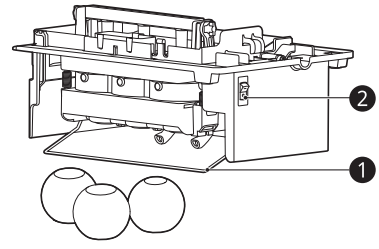
NOTE

- The icemaker begins producing ice approximately 48 hours after the appliance is initially installed.
- Throw away the first few batches of ice after installation.
- The sound of ice dropping into the ice bin is normal.
- If the ice bin is completely filled with ice, ice production will stop.
- The amount and shape of ice may vary according to the environment (ambient temperature around the appliance, frequency of the door being opened, amount of food stored in the appliance, water pressure, etc.).
- In the event of a power outage, throw away the ice stored in the ice bin.

Freezer Icemaker (Craft Ice)

This feature is only available on some models.

Craft Ice Maker Type A



❶ Feeler Arm

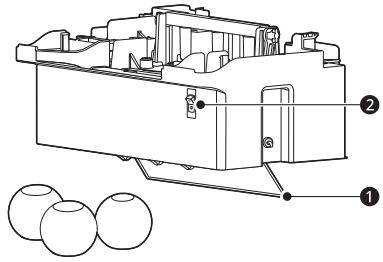
❷ Power Switch

NOTE

- The ice bin stores 20 pieces of round ice.

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Craft Ice Maker Type B



❶ Feeler Arm

❷ Power Switch

NOTE

- The ice bin stores 15 - 18 pieces of round ice.

⚠ CAUTION

- Do not insert round ice into the in-door ice bin, as it can damage the ice and water dispenser.

NOTE

- The icemaker begins producing ice approximately 48 hours after the appliance is initially installed. The first batches of ice may not be round and clear.
- If the water pressure is less than 20 psi (138 kPa) or a reverse osmosis system is used, the shape of the ice may vary.
- The ice may look cloudy depending on the water quality in the installation location and the operating conditions.
- Throw away any shards of ice you may find in the ice bin, as they may stick to the ice stored in the ice bin.
- After a short term power outage, it will take longer to make the first batch of ice, and the ice may not be round. If the power will be out for a longer period, throw away the ice stored in the ice bin.
- The **Craft Ice** icemaker produces 1 batch of round ice (3 pieces) at a time.
- In **3 ICE** mode, the **Craft Ice** icemaker produces 1 batch of round ice (3 pieces) about every 24 hours. In **6 ICE** mode, the **Craft Ice** icemaker produces 2 batches of round ice (6 pieces total) in the same period.
- For more ice, select the **6 ICE** mode. For clearer ice, select the **3 ICE** mode.
- The time needed to make ice may vary according to operating conditions.

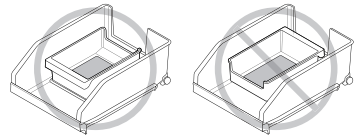
Using the Freezer Ice Basket

This feature is only available on some models.

The ice basket stores ice from the freezer icemaker.

⚠ CAUTION

- The freezer ice basket must be placed in the correct orientation. Failure to do so can damage the ice basket and icemaker.



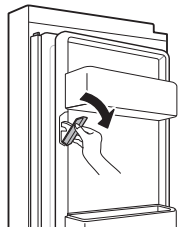
- Remove the ice basket to create more space inside the freezer if you do not use it.
- The pad attached to the bottom of the ice bin is designed to reduce the sound of the ice dropping. Do not remove the pad.

Removing/Refitting the Ice Storage Bin

The ice dispensing chute may become blocked with frost if only crushed ice is used. Remove the frost that accumulates by removing the ice bin and clearing the passage with a rubber spatula. Dispensing cubed ice periodically can also help prevent frost buildup.

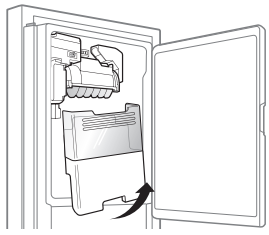
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1 Gently pull the handle to open the ice compartment.



2 To turn off the automatic icemaker, set the icemaker switch to OFF (O).

3 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.



4 Refit the in-door ice bin in the reverse sequence of their removal.

⚠ CAUTION

- Do not touch the automatic icemaker's mechanical parts with your hand or any mechanical implement. Doing so may cause serious injury or damage to the appliance.
- Do not disassemble, repair or alter the automatic icemaker. These tasks should only be done by a service technician.
- Caution should be taken, as the automatic icemaker operates continuously after the freezer door is opened when the automatic icemaker switch is set to the ON position.
- Keep children away from the dispenser.
- When refitting the ice bin, ensure that it is placed correctly. If it is tilted or unlevel, it may not continue to make ice due to sensor disruption.

Turning the Icemaker On/Off

To turn the automatic icemaker On/Off, press the power switch on the icemaker to the ON (|) or OFF (O) position.

Normal Sounds You May Hear

The icemaker water valve will buzz as the icemaker fills with water. If the power switch is in the ON (|) position, it will buzz even if it has not yet been hooked up to water. To stop the buzzing, move the power switch to OFF (O).

NOTE

- Do not keep the power turned on to the icemaker if the water line is not connected. Doing so can damage the icemaker.

Preparing for Vacation

If the ambient temperature will drop below freezing, have a qualified technician drain the water supply system to prevent serious property damage due to flooding caused by ruptured water lines or connections. Set the icemaker power switch to OFF (O) and shut off the water supply to the appliance.

NOTE

- The ice bin should be emptied any time the icemaker on/off switch is turned to the OFF (O) position.

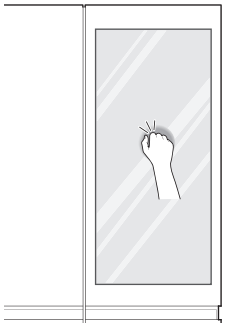
InstaView

This feature is only available on some models.

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Using the InstaView Door in Door

The **InstaView Door in Door** lets you see if you're running low on frequently used items like beverages and snacks, without opening the fridge door.



1 Knock twice on the glass to turn the LED light inside the **Door in Door** on or off.

2 The LED light turns off automatically after ten seconds.

⚠ CAUTION

- Do not open the door of the appliance with the door in door open, or do not open the door in door while the door of the appliance is open. The door in door may be struck by the edge of the appliance and damaged.

NOTE

- The **InstaView Door in Door** function is disabled for 2 seconds after closing the left or right freezer door.
- Knock near the center of the glass. Knocking near the edges of the glass may not activate the **InstaView Door in Door** function.
- Knock hard enough so that the knocking sound is audible.
- The **InstaView Door in Door** function may activate if a loud noise occurs near the refrigerator.
- Clean the glass door with a dry cloth. To remove stubborn stains, slightly moisten a clean cloth with lukewarm water or a glass cleaner. Do not spray glass cleaner directly at the glass door.

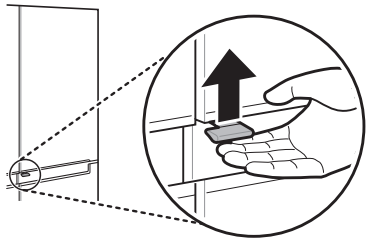
Door in Door

This feature is only available on some models.

Using the Door in Door

Pull the lever at the bottom of the door upwards until the door in door opens.

There is plenty of storage space inside the door in door and its surrounding baskets, allowing you to store food in an organized manner.



⚠ CAUTION

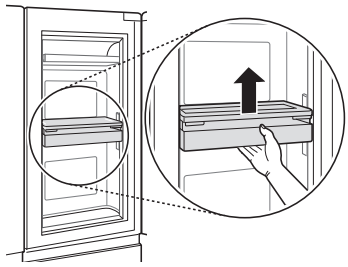
- Do not open the door of the appliance with the door in door open, or do not open the door in door while the door of the appliance is open. The door in door may be struck by the edge of the appliance and damaged.

Using the Moving Basket

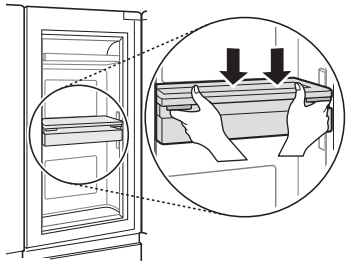
Adjusting the moving basket allows taller food items to be stored more conveniently.

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1 To raise the moving basket, hold the basket in the centre and push the basket up until it clicks into place.



2 To lower the moving basket, press up to release the levers at the side of the basket and lower the basket until it clicks into place.



⚠ CAUTION

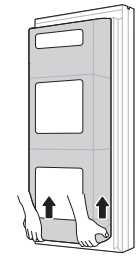
- To avoid personal injury or damage to the basket or its contents, empty the moving basket before moving it up or down.

Removing/Refitting the Door in Door Case

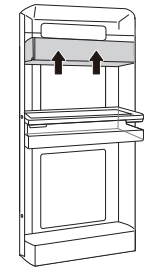
⚠ CAUTION

- Remove contents from the Door in Door compartment before removal.

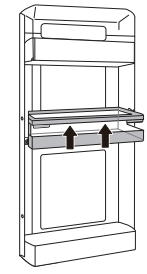
1 Open the doors completely and remove the contents of the Door in Door case. Lift up and pull out the Door in Door case.



2 Lift up and remove the dairy basket from the whole case.

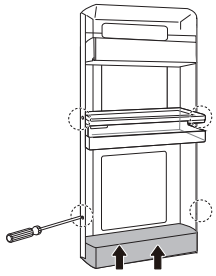


3 Lift up the basket to the top position.



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4 Remove the screws from each of the side rails, and lift up and remove the basket from the case.



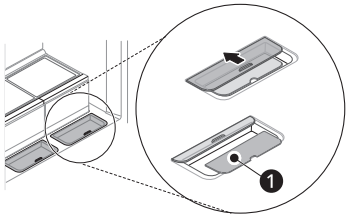
5 Refit the Door in Door case in the reverse order of the removal process.

Extra Space

Using the Extra Space

This feature is only available on some models.

The Extra Space compartment is always slightly cooler than the shelf or door bin areas, so it is a convenient place to store dairy snacks or other small items you want to keep especially cold. It is also a handy place to defrost meat.



NOTE

- Be careful when handling and storing larger eggs. They can break if the drawer is pushed in or pulled out while the cover is not completely closed.
- Items can also freeze in the Extra Space compartments if the fridge compartment set temperatures are too cold.
- Do not remove the transparent pad ❶ from the **Extra Space**. The pad helps prevent food items from freezing.

Drawer

⚠ CAUTION

- Always empty the drawers before removing them, and use both hands when removing and refitting them.
- Make sure that the fridge doors are fully open before removing and refitting the drawers.

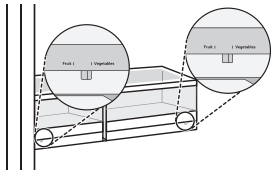
Using the Fridge Drawer

This feature is only available on some models.

The crispers provide fresher tasting fruit and vegetables by letting you easily control humidity inside the drawer.

You can control the amount of humidity in the moisture-sealed crispers by adjusting the control to any setting between **Vegetables** and **Fruit**.

- **Vegetables** keeps moist air in the crisper for best storage of fresh, leafy vegetables.
- **Fruit** lets moist air out of the crisper for best storage of fruit.

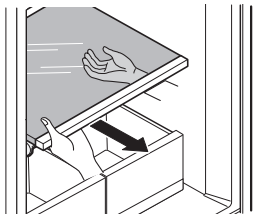


Removing/Refitting the Fridge Drawer

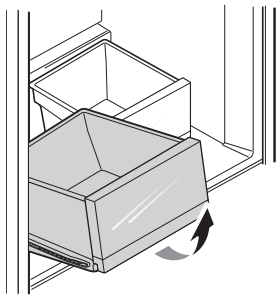
This feature may vary depending on model purchased.

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1 Open both fridge doors completely. Hold the cover with both hands and tilt the cover slightly while pulling it out.



2 Remove the contents of the drawer. Hold the handle of the vegetable drawer and gently pull it out.



3 Mount the fridge drawer in the reverse order of the removal process.

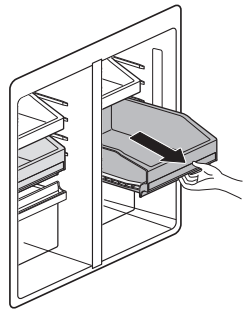
Using the Freezer Drawer

The sliding freezer drawers allow easy access and convenience of use.

- Use the upper compartment to store packaged frozen foods and frequently-used foods.
- Use the lower compartment for larger frozen foods and items stored for longer periods.

Removing/Refitting the Freezer Drawer

1 Open both freezer doors completely. Pull out the freezer drawer to full extension and remove all of the contents.



2 With the drawer fully extended, lift up the front and pull the drawer out to remove it.

3 Mount the freezer drawer in the reverse order of the removal process.

⚠ CAUTION

- The drawers are heavy. Always use two hands when removing or refitting the drawers to avoid product damage or personal injury.
- Always open the freezer doors completely before removing or refitting the drawers.

Shelf

⚠ CAUTION

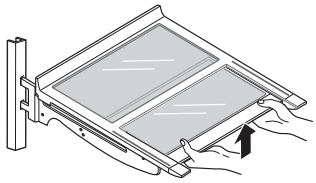
- Glass shelves are heavy. Use special care when removing them.
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.

Using the Folding Shelf

This feature is only available on some models.

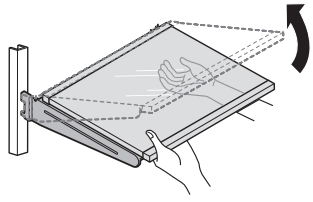
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Store taller items, such as a gallon container or bottles, by pushing the front half of the shelf underneath the back half of the shelf. Pull the front of the shelf forward to return to a full shelf.



Removing/Refitting the Shelf

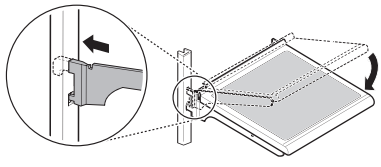
1 Tilt up the front of the shelf and then lift the shelf straight up.



2 Pull the shelf out.

3 Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height.

4 Lower the front of the shelf so that the hooks drop into the slots.



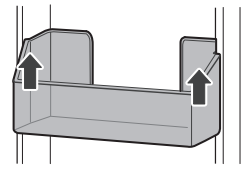
⚠ CAUTION

- Glass shelves are heavy. Use special care when removing them.
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.

Door Basket

Removing/Refitting the Door Basket

1 To remove the baskets, simply lift the basket up and pull straight out.



2 To refit the the basket, slide the bin in the above the desired support and gently push down until it snaps into place.

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SMART FUNCTIONS

LG ThinQ Application

This feature is only available on models with Wi-Fi.

The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

LG ThinQ Application Features

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

Smart Diagnosis

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

Settings

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

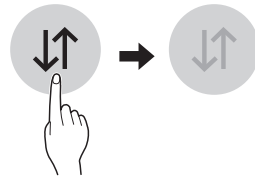
NOTE

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

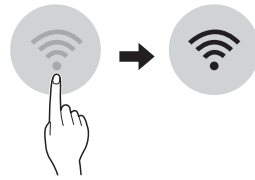
Before Using LG ThinQ Application

1 Check the distance between the appliance and the wireless router (Wi-Fi network).
   - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to register or installation may fail.

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



3 Connect your smartphone to the wireless router.



NOTE

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

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- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and register the product again.

Installing the LG ThinQ Application

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

Connecting to Wi-Fi

The **Wi-Fi** button, when used with the **LG ThinQ** application, allows the appliance to connect to a home Wi-Fi network. The Wi-Fi indicator shows the status of the appliance's network connection. The Wi-Fi indicator illuminates when the appliance is connected to the Wi-Fi network.

- **Initial Appliance Registration**

  Run the **LG ThinQ** application and follow the instructions in the application to register the appliance.

- **Re-registering the Appliance or Registering Another User**

  Press and hold the **Wi-Fi** button for 3 seconds to temporarily turn it off. Run the **LG ThinQ** application and follow the instructions in the application to register the appliance.

NOTE

- To disable the Wi-Fi function, press and hold the **Wi-Fi** button for 3 seconds. The Wi-Fi indicator will be turned off.

Open Source Software Notice Information

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

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

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

Smart Diagnosis

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

NOTE

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

Using LG ThinQ to Diagnose Issues

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

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

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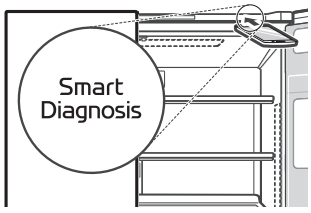
Using Audible Diagnosis to Diagnose Issues

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. Press the **Lock** button to activate the lock function.
   - If the display has been locked for over 5 minutes, you must deactivate the lock and then reactivate it.

2. Open the fridge door and then hold the phone on the upper right speaker hole.



3. Press and hold the **Freezer** button for three seconds or longer while holding your phone to the speaker until the data transfer is complete.

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.

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MAINTENANCE

Cleaning

General Cleaning Tips

- Performing manual defrosting, maintenance or cleaning of the appliance while food is stored in the freezer can raise the temperature of the food and reduce its storage life.
- Regularly clean any surfaces that can come in contact with food.
- When cleaning the inside or outside of the appliance, do not wipe it with a rough brush, toothpaste, or flammable materials. Do not use cleaning agents containing flammable substances. This may cause discolouration or damage to the appliance.
  - Flammable substances: alcohol (ethanol, methanol, isopropyl alcohol, isobutyl alcohol, etc.), thinner, bleach, benzene, flammable liquid, abrasive, etc.
- After cleaning, check if the power cable is damaged.

Cleaning the Exterior

- When cleaning the outside air vents of the appliance by means of vacuuming, then the power cord should be unplugged from the outlet to avoid any static discharge that can damage the electronics or cause an electric shock. Regular cleaning of the rear and side ventilation covers is recommended to maintain reliable and economical operation of the unit.
- Keep the air vents on the exterior of the appliance clean. Blocked air vents can cause fire or appliance damage.
- For the appliance exterior, use a clean sponge or soft cloth and a mild detergent in warm water. Do not use abrasive or harsh cleaners. Dry thoroughly with a soft cloth. Do not use contaminated cloths when cleaning the stainless steel doors. Always use a dedicated cloth and wipe in the same direction as the grain. This helps reduce surface staining and tarnishing.

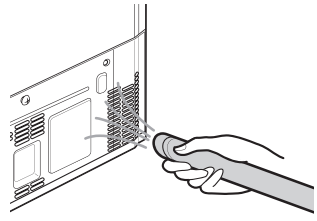
Cleaning the Interior

- When removing a shelf or drawer from inside the appliance, remove all stored foods from the shelf or drawer to prevent injury or damage to the appliance. Otherwise, injury may occur due to the weight of stored foods.
- Detach the shelves and drawers and clean them with water, and then dry them sufficiently, before replacing them.
- Regularly wipe the door gaskets with a wet soft towel.
- Door basket spills and stains should be cleaned as they can compromise storage ability of the basket and could even be damaged.
- Never clean the shelves or containers in the dishwasher. The parts may become deformed due to the heat.
- The automatic defrosting system in the appliance ensures that the compartment remains free of ice buildup under normal operating conditions. Users do not need to defrost it manually.

Cleaning the Condenser Cover

Use a vacuum cleaner with a brush to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.

We recommend that this be done every 12 months to maintain operating efficiency.



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Water Filter

Before Replacing the Water Filter

⚠ WARNING

- Do not allow children to have access to small parts during the installation of this product.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

⚠ CAUTION

- Do not install if water pressure exceeds 827 kPa. If your water pressure exceeds 827 kPa, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist, you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 37.8 °C.
- Protect filter from freezing. Drain filter when temperatures drop below 4.4 °C.
- The disposable filter cartridge MUST be replaced every 6 months, at the rated capacity or if a noticeable reduction in flow rate occurs.
- Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion must be installed.
- Ensure all tubing and fittings are secure and free of leaks.

NOTE

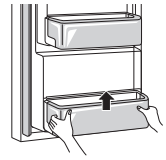
- While the testing was performed under standard laboratory conditions, actual performance may vary.
- It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised.

Replacing the Water Filter

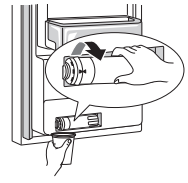
The filter must be changed every 6 months or when the water filter indicator on the control panel lights turns on or the water dispenser output decreases.

- To purchase a replacement water filter:
  - Use replacement cartridge: LT1000P, LT1000PC, LT1000PCS or ADQ747935**
  - Visit your local dealer or distributor or contact the LG Electronics Customer Information Centre. For further assistance, visit our website at lg.com

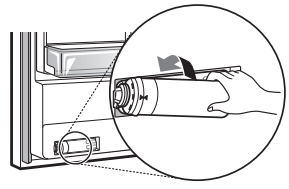
1 Remove the door basket.



2 Remove the disposable water filter.



3 Replace with a new water filter. Insert the new filter into the filter head and rotate it clockwise until the arrow on the new filter lines up with the arrow on the filter head. Swing the filter back into the compartment.



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4 Refit the door basket.

5 Press and hold the **Water Filter** button for three seconds. The new water filter has been activated.

6 Dispense water for approximately 5 minutes to remove trapped air and contaminants from the system.

⚠ CAUTION

- Failure to replace filters when required or using non LG authorised water filters can cause the filter cartridge to leak and result in property damage.

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TROUBLESHOOTING

Before Calling for Service

Ice & Water

Symptoms	Possible Cause & Solution
The automatic icemaker does not produce ice or produces a small amount of ice.	**Did you install the appliance recently?** • The ice maker produces ice normally when approximately 48 hours have passed after the appliance is installed. • If the fridge compartment temperature is too cold, the water filter can freeze and block the water flow to the ice maker.
	Did you connect the water supply pipe to the appliance and open the supply valve? • Connect the water supply pipe to the appliance and open the supply valve completely.
	Is the water supply hose bent? • If the water supply hose is bent, the water flow could be compromised.
	Have you dispensed a large amount of ice recently? • It takes approximately 24 hours to produce more ice in the automatic icemaker. Please wait.
	Did you set the ice maker switch or the automatic icemaker button on the control panel to ON? • Press I on the automatic icemaker switch or set **ON** for the automatic icemaker button on the control panel. (For more details on how to use, visit LG Electronics website or use your smart device.)
	Is the temperature of the freezer compartment set too high? • If the set temperature is too warm, ice will be produced slowly or not at all. Set the Freezer temperature to -18 °C for normal operation of the automatic icemaker.
	Have you been opening the appliance door frequently? • If you open the appliance door frequently, cold air will escape, lowering the speed of ice production. Do not open and close the appliance door frequently.
	Is the appliance door completely closed? • If the appliance door is not completely closed, the temperature of the freezer compartment will increase, slowing down the ice production speed. Close the appliance door completely.
Ice is not dispensed.	**Unable to hear the sound of ice coming out?** • In the control panel, select the modes for cubed ice and crushed ice alternately to dispense the ice.

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Symptoms	Possible Cause & Solution
Ice is not dispensed.	**Is the ice path blocked? (You can check the ice passage by separating the ice bin.)** • Ice may not be dispensed properly if the ice passage is blocked. Check the ice and clean the ice path regularly.
Water does not come out.	**The supply valve may be turned off. (For Plumbed models Only)** • Open the water supply valve. • Check if the fridge compartment temperature is too cold, as the water filter can freeze and block the water flow to the dispenser.
	The water dispenser tank may be empty. (Non plumbed models only) • Fill the water dispenser tank.
	Is the water supply valve closed? (For Plumbed models Only) • Open the water supply valve.
	Are you using unfiltered water? • Unfiltered water can contain a large amount of various heavy metals or foreign substances, so the filter may be clogged in the early stage regardless of the life of the filter.
Water tastes strange.	**Is the taste of water different when comparing it with the taste of water from the previous water purifier?** • Has the purified water or cold water not been used for an extended period of time?
	Has it been a long time since you installed and replaced the filter? • If an expired filter is used, the purification performance may decline. It is recommended to replace the filter according to the filter replacement period.
	Have you flushed out the filter properly in the initial stage after installing it? • When you install or replace the filter for the first time, you need to remove air and activated carbon residue from inside the filter. Use the appliance after dispensing and discharging approximately 5 litres of purified water from the dispenser by pressing the water dispensing lever. (Activated carbon is harmless to humans.)
	Has the purified water or cold water not been used for an extended period of time? • The taste of old water may change due to bacterial growth. Use the product after dispensing and discharging approximately 5 litres (approximately three minutes) from the water dispenser.

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Cooling

Symptoms	Possible Cause & Solution
There is no refrigeration or freezing.	**Is there a power interruption?** • Check the power of other appliances.
	Check the power of other appliances. • Plug the power plug in the outlet properly.
	A fuse in your home may be blown or the circuit breaker tripped. Or the appliance is connected to a GFCI (Ground Fault Circuit Interrupter) outlet, and the outlet's circuit breaker has tripped. • Check the main electrical box and replace the fuse or reset the circuit breaker. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician. • Reset the circuit breaker on the GFCI. If the problem persists, contact an electrician.
There is poor refrigeration or freezing.	**Is the fridge or freezer temperature set to its warmest setting?** • Set the fridge or freezer temperature to a colder setting.
	Is the appliance in direct sunlight, or is it near a heat generating object such as cooking oven or heater? • Check the installation area and reinstall it away from heat generating objects.
	Did you store hot food without cooling it first? • Cool the hot food first before putting it in the fridge or freezer compartment.
	Did you put in too much food? • Maintain an appropriate space between food.
	Are the appliance doors completely closed? • Completely close the door and make sure that stored food is not obstructing in the door.
	Is there enough space around the appliance? • Adjust the installation position to make enough space around the appliance.
The appliance contains a bad smell.	**Is the fridge or freezer temperature set to 'Warm'?** • Set the fridge or freezer temperature to a colder setting.
	Did you put in food with a strong smell? • Store foods with strong smells in sealed containers.
	Vegetables or fruit may have spoiled in the drawer. • Throw away rotten vegetables and clean the vegetable drawer. Do not store vegetables too long in the vegetable drawer.

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Condensation & Frost

Symptoms	Possible Cause & Solution
There is condensation inside the appliance or on the bottom of the vegetable drawer cover.	**Did you store hot food without cooling it first?** • Cool the hot food first before putting it inside the fridge or freezer.
	Did you leave the appliance door open? • Although the condensation will disappear soon after you close the appliance door, you can wipe it with a dry cloth.
	Do you open and close the appliance door too frequently? • Condensation can form due to the temperature difference from the outside. Wipe out the dampness with a dry cloth.
	Did you put warm or moist food inside without sealing it in a container? • Store food in a covered or sealed container.
Frost has formed in the freezer compartment.	**Doors may not be closed properly.** • Check if the food item inside the appliance is blocking the door and make sure that the door is tightly closed.
	Did you store hot food without cooling it first? • Cool the hot food first before putting it in the fridge or freezer compartment.
	Is the air entry or exit of the freezer compartment blocked? • Make sure that air entry or exit is not blocked so that the air can circulate inside.
	Is the freezer compartment overfilled? • Maintain an appropriate space between items.
Frost or condensation has formed inside or outside the appliance.	**Did you open and close the appliance door frequently or is the appliance door improperly closed?** • Frosts or condensation can form if the outside air penetrates inside the appliance.
	Is the installation environment humid? • Condensation can appear on the exterior of the appliance if the installation area is too humid or on a humid day such as a rainy day. Wipe off any moisture with a dry cloth.
The side or front of the appliance is warm.	**There are anti condensation pipes fitted to these areas of the appliance to reduce condensation forming from around the door area.** • The heat releasing pipe to prevent condensation is installed on the front and side of the appliance. You may feel it particularly hot right after the appliance is installed or during the summer. You can be assured that this is not a problem and is quite normal.

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Symptoms	Possible Cause & Solution
There is water inside or outside of the appliance.	**Is there water leakage around the appliance?** • Check if the water has leaked from a sink or another place.
	Is there water on the bottom of the appliance? • Check if the water is from the thawed frozen food or a broken or dropped container.

Parts & Features

Symptoms	Possible Cause & Solution
The appliance door is not closed tightly.	**Is the appliance leaning forward?** • Adjust the front feet to raise the front side slightly.
	Were the shelves properly assembled? • Refit the shelves if needed.
	Did you close the door with excessive force? • If you apply too much force or speed when closing the door, it may remain briefly open before closing. Make sure that you do not slam the door closed. Close the door gently.
It is difficult to open the appliance door.	**Did you open the door right after you closed it?** • If you try to open the appliance door within one minute after you closed it, you may have difficulties because of the pressure inside the appliance. Try to open the appliance door again in a few minutes so that the internal pressure stabilizes.
Door mullion does not fold in and out properly.	**Are front levelling legs extended, the appliance level, and doors aligned?** • Once the door baskets are filled, the doors may become misaligned, preventing the door mullion or the Auto Open Door function from working properly. Extend both front levelling legs fully so they are in firm contact with the floor. Follow the instruction in the Door Alignment section to raise the left fridge door until the door mullion is once again working properly. Adjust the right fridge door so it aligns with the left fridge door.
The inside lamp in the appliance does not turn on.	**Lamp failure** • Close the door and re-open. If the lamp does not turn on, please contact the LG Electronics customer information centre. Do not attempt removal of the lamp.

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Noises

Symptoms	Possible Cause & Solution
The appliance is noisy and generates abnormal sounds.	**Is the appliance installed on a weak floor or improperly levelled?** • Install the appliance on a solid and flat area.
	Does the rear of the appliance touch the wall? • Adjust the installation position to allow enough clearance around the appliance.
	Are objects scattered behind the appliance? • Remove the scattered objects from behind the appliance.
	Is there an object on top of the appliance? • Remove the object on top of the appliance.
Clicking noises	**The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or appliance control on some models) will also click when cycling on and off.** • Normal Operation
Rattling noises	**Rattling noises may come from the flow of appliance, the water line on the back of the unit (for plumbed models only), or items stored on top of or around the appliance.** • Normal Operation
	Appliance is not resting evenly on the floor. • Floor is weak or uneven or levelling legs need to be adjusted. See the Door Alignment section.
	Appliance with linear compressor was moved while operating. • Normal operation. If the compressor does not stop rattling after three minutes, turn the power to the appliance off and then on again.
Whooshing noises	**Evaporator fan motor is circulating air through the fridge and freezer compartments.** • Normal Operation
	Air is being forced over the condenser by the condenser fan. • Normal Operation
Gurgling noises	**Appliance flowing through the cooling system.** • Normal Operation
Popping noises	**Contraction and expansion of the inside walls due to changes in temperature.** • Normal Operation

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Symptoms	Possible Cause & Solution
Vibrating	**If the side or back of the appliance is touching a cabinet or wall, some of the normal vibrations may make an audible sound.** • To eliminate the noise, make sure that the sides and back do not make any contact with any wall or cabinet.

Wi-Fi

Symptoms	Possible Cause & Solution
Your home appliance and smartphone are not connected to the Wi-Fi network.	**The password for the Wi-Fi that you are trying to connect to is incorrect.** • Find the Wi-Fi network connected to your smartphone and remove it, then register your appliance on **LG ThinQ**.
	Mobile data for your smartphone is turned on. • Turn off the **Mobile data** of your smartphone and register the appliance using the Wi-Fi network.
	The wireless network name (SSID) is set incorrectly. • The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
	The router frequency is not 2.4 GHz. • Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your Internet service provider or the router manufacturer.
	The distance between the appliance and the router is too far. • If the distance between the appliance and the router is too far, the signal may be weak and the connection may not be configured correctly. Move the location of the router so that it is closer to the appliance.

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APPENDIX

Information

Product Fiche

Trade Mark		LG Electronics	
Model		GR-X31FMQHL	GR-X31FMQRL
Category		7 (Refrigerator-Freezer)	
Energy efficiency class		A+	A++
Annual energy consumption “XYZ” [kWh per year], based on standard test results for 24 hours		495	425
		Actual energy consumption will depend on how the appliance is used and where it is located.	
Fresh Food Storage Volume [L]		464	464
Frozen Food Storage Volume [L]	****	226	221
	**	26	26
Design temperature of other compartments (> 14 ℃)		-	-
Frost-Free Compartments		Fresh Food, Frozen Food	
Temperature Rise time [h]		15	15
Freezing Capacity [kg/24h]		11	11
Climate class		T	T
		This appliance is intended to be used at ambient temperature between 16 ℃ and 43 ℃.	
Airborne acoustical noise emissions [dB(A)]		40	40
Free standing / Built-in		Free standing	

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