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## 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**

GF-B589PLE



MFL72152001  
Rev.03\_100125

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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

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

- Do not damage the refrigerant circuit.
- Do not use mechanical devices or other means to accelerate the defrosting process.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction. This appliance is not for use in any built-in or enclosed installations.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- 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.
- This appliance is intended to be used in household and similar applications only. It should not be used for commercial, or catering purposes, or in any mobile application such as a caravan or boat.
- This appliance is not for use in portable or mobile installations, such as marine or RV uses, where it will be in motion while operating.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.



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.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- If the power cord is damaged or the hole of the outlet socket is loose, it must be replaced. Do not use the power cord and contact an authorized service centre in order to avoid a hazard.

- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- Disconnect the power cord before cleaning the appliance interior or exterior.
- 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.
- 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.
- Do not use a hair drier to dry the inside of the appliance or place a candle inside to remove the odours.
- Do not tilt the appliance to pull or push it when transporting.
- Make sure not to get a body part such as a hand or foot stuck while moving the appliance.
- Consult with a service agent or a similarly qualified person about the recovery of refrigerant and recycling of components on disposal of the refrigerating appliance.

### **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<sup>2</sup> in size for every 8 g of R600a refrigerant inside the appliance.

- Refrigerant leaking out of the pipes could ignite or cause an explosion.
- 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.
- In the event that a door needs to be removed to pass the unit through a doorway, 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.
- 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 multiple outlet sockets, power boards, or an extension power cable.
- Do not use an extension cord or double adapter.

## Operation

- Do not use the appliance for any purpose (storage of medical or experimental materials or temperature strict medicines) 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 lightning or thunderstorm 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, covers or heat releasing grille on the back.
- Do not apply excessive force or impact to the back cover of the appliance.

- 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.
- This appliance incorporates an earth connection for functional purposes.
- Connect to potable water supply only (only for models with dispenser function needing plumbed connection).
  - If connected to a water supply, connect to a potable water supply only.
- Fill with potable water only.
  - If using an icemaker or water tank, make sure to fill it with potable water only.

### **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:

ENGLISH

## Installation

- After unpacking, check the appliance for any damage that may have occurred during transit.
- Wait for at least 3 to 4 hours in order to ensure the refrigerant circuit is fully efficient.
- Move the appliance carefully on sensitive floors to avoid damage to the floor.

## Operation

- This appliance must only be used with a town power supply. Solar inverters and generator power supplies could cause disruption to performance and potentially damage the electronics.
- 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 bucket 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, door baskets, storage compartments or shelves, or climb up into the appliance.
- Do not store an excessive amount of water bottles or containers in 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 of 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.
- Dispose of the ice inside the ice bucket in the freezer compartment during an extended power outage.

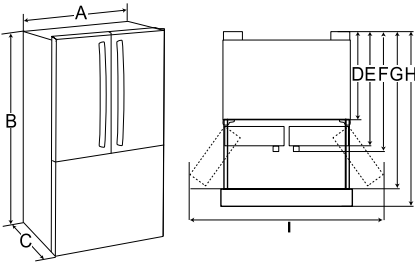
# INSTALLATION

## 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.

Do not install the appliance in an enclosed space, such as inside a cabinet with closing doors or on an elevated surface. Ensure that the installation allows for proper air circulation around the appliance and the surrounding walls.



-	Size (mm)
A	836
B	1776
C	731
D	630
E	731
F	N/A
G	1058
H	1165
I	1290

## 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.

## Accessories

\*1 This feature is only available on some models.



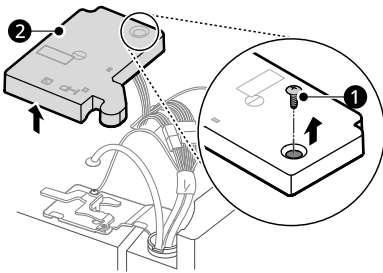
1 Spanner\*1

2 C-Clip (Snap Ring)\*1

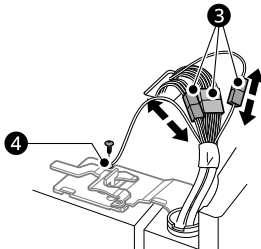
## Removing the Door and Drawer

### Removing the Left Fridge Door

- 1 Remove the screw 1 from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover 2 with a flat-head screwdriver.



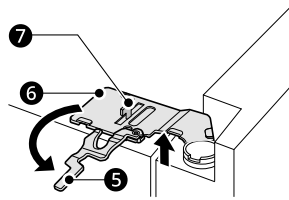
- 2 Disconnect all wire harnesses 3. Unscrew the ground wire 4.



## NOTE

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

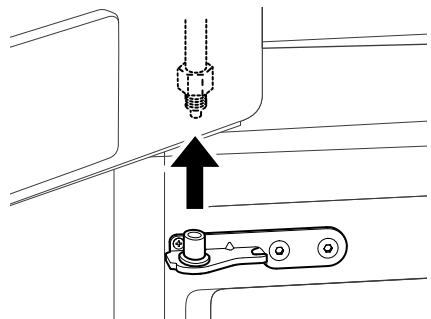
- 3 Rotate the hinge lever 5 counterclockwise. Lift the top hinge 6 free of the hinge lever latch 7.



## 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.

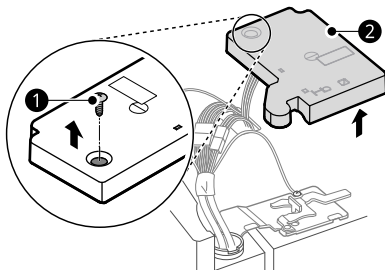


## CAUTION

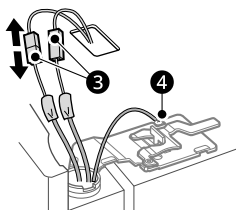
- Place the door on a non-scratching surface with the inner side facing up.

## Removing the Right Fridge Door

- 1 Remove the screw ① from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover ② with a flat-head screwdriver.



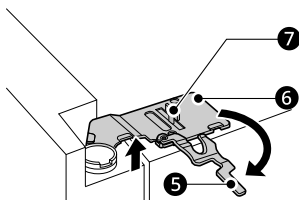
- 2 Disconnect all wire harnesses ③. Unscrew the ground wire ④.



### NOTE

- The number of wire harnesses may vary depending on the model.
- Ground wire is only present on some model

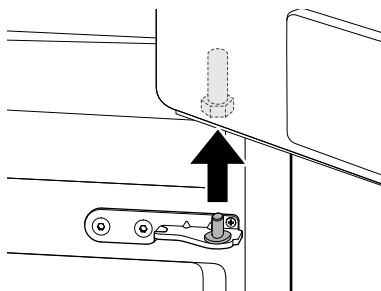
- 3 Rotate the hinge lever ⑤ clockwise. Lift the top hinge ⑥ free of the hinge lever latch ⑦.



### 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.

- 4 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 Drawer

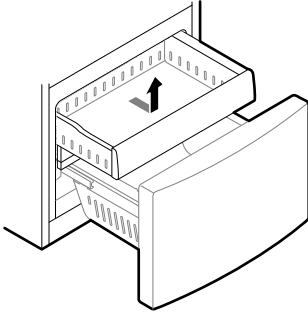
### WARNING

- Use two or more people to remove and install the fridge doors and freezer drawer.
- Be careful of sharp hinges on both sides of the drawer.
- When you lay the drawer down, be careful not to damage the floor.
- Do not sit or stand on the freezer drawer.
- To prevent accidents, keep children and pets away from the drawer. Do not leave the drawer open. If the Durabase storage bin is removed from the freezer drawer, there is sufficient space for a small child or pet to crawl inside.

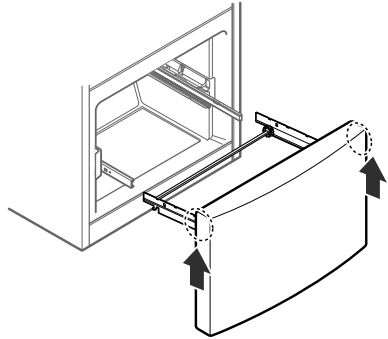
## 14 INSTALLATION

**1** Pull the drawer open to full extension.

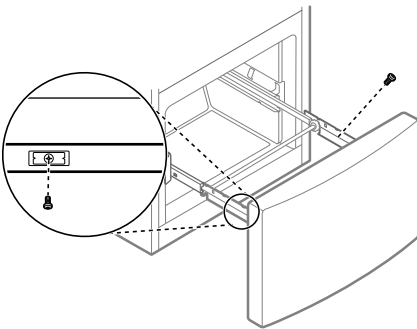
**2** Lift the front of the drawer up, then pull it straight out.



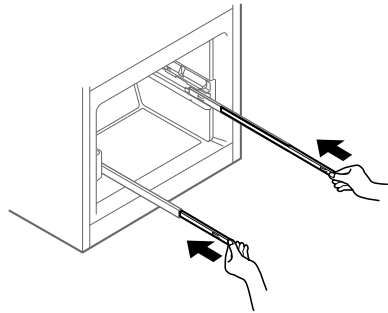
**4** Grip both sides of the drawer and pull it up to remove it from the rails.



**3** Remove the Durabase basket from the rails. Remove the screws from the rails at both ends.



**5** Hold both rails and push them in simultaneously.



### Refitting the Door and Drawer

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

## Levelling and Door Alignment

### Levelling the Appliance

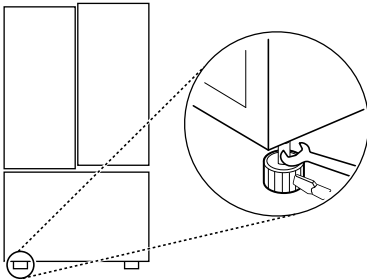
The appliance has two front levelling legs. Adjust the legs to alter the tilt from front-to-back or side-to-side. If the appliance seems unsteady, or the

doors do not close easily, adjust the appliance's tilt using the instructions below:

- 1 Turn the levelling leg to the left to raise that side of the appliance or to the right to lower it. It may take several turns of the levelling leg to adjust the tilt of the appliance.

**NOTE**

- A flare nut wrench works best, but an open-end wrench will suffice. Do not over-tighten.



- 2 Open both doors and check to make sure that they close easily. If the doors do not close easily, tilt the appliance slightly more to the rear by turning both levelling legs to the left. It may take several more turns, and be sure to turn both levelling legs the same amount.

**Door Alignment**

The door alignment method may differ depending on the model.

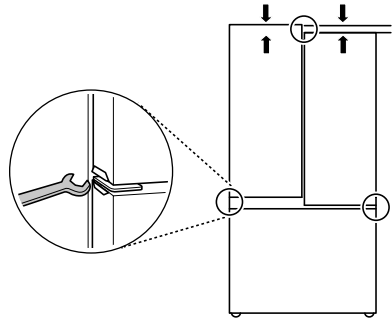
**Appliance Type A**

Both the left and right fridge doors have an adjustable nut, located on the bottom hinge, to raise and lower them to align properly.

If the space between the doors is uneven even after the door bins are filled, follow the instructions below to align the doors evenly:

Use the spanner (included with the owner's manual) to turn the nut in the door hinge to adjust

the height. Turn the nut to the right to raise the door or to the left to lower it.



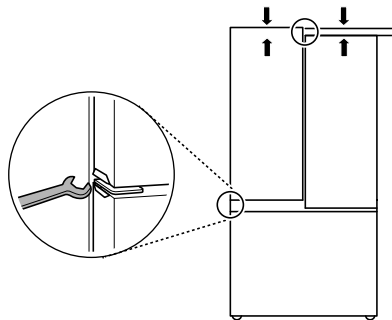
**Appliance Type B**

**Left Fridge Door**

The left fridge door has an adjustable nut, located on the bottom hinge, to raise and lower the door for proper alignment.

If the space between the doors is uneven, follow the instructions below to align the left door:

Use the spanner (included with the owner's manual) to turn the nut in the door hinge to adjust the height. Turn the nut to the right to raise the door or to the left to lower it.



**Right Fridge Door**

The right fridge door does not have an adjustable nut.

If the space between the doors is uneven, follow the instructions below to align the right door:

- 1 Lift up both the inner and outer door sections of the right door to raise them at the middle

hinge. (It may be easier to lift them with the doors open.)

- 2** While the door is lifted, have an assistant insert the C-Clip (snap ring) on the middle hinge. The C-Clip may differ depending on the model.

- C-Clip type A



Use pliers to insert the C-Clip on the middle hinge of the inner door section as shown. Insert additional C-Clips until the right door is aligned.

- C-Clip type B

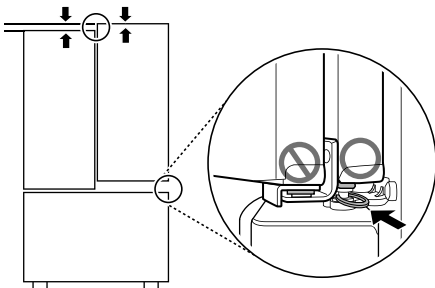


Insert only one C-Clip on the middle hinge of the inner door section as shown.

- 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.
- Do not insert the C-Clip on the hinge of the outer door section.



### **NOTE**

- The number of freezer drawers may vary depending on the model.

## Turning on the Power

### Connecting the Appliance

To turn on 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 enough time before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil. Make sure you have removed any clear protective film where it has been applied to the door.
- To turn off the appliance, disconnect the power plug from the outlet socket.

## Moving the Appliance for Relocation

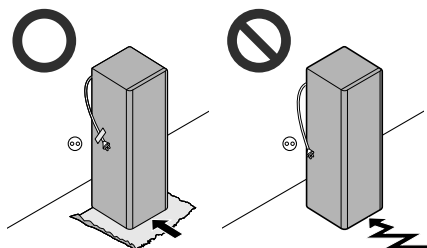
### Moving the Appliance

- 1** Remove all food from inside the appliance.
- 2** Fix the power plug.
  - Models with a power plug hook:  
Pull the power plug out, insert and fix it into the power plug hook at the rear or on top of the appliance.
  - Models without a power plug hook:  
Pull the power plug out and fix the power supply cable with a tape to the side of the appliance where the power socket is located at the installation site.

- 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.

### **⚠ CAUTION**

- Move the appliance carefully on sensitive floors to avoid damage to the floor.
  - Use cardboard, floor mat or carpet to prevent scratches on the floor when installing or moving the appliance.
  - Do not move the appliance in zigzags.



- 5 After installing the appliance, connect the power plug into a mains outlet socket and switch it on.

# 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.
- 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.

## Door Open Alarm

This feature is only available on some models. The alarm sounds if the door is left open or not completely closed.

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### 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.

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### 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 baskets, drawers and shelves) on their original location. Altering their positions may result in less efficient energy consumption or performance.
- 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.

## 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

- 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.
  - To freeze food items quickly, store the food in the center of pullout drawer. Food items will freeze most quickly in the drawer.
  - To get better air circulation, insert all inner parts like baskets, drawers, and shelves.

## Maximum Freezing Capacity

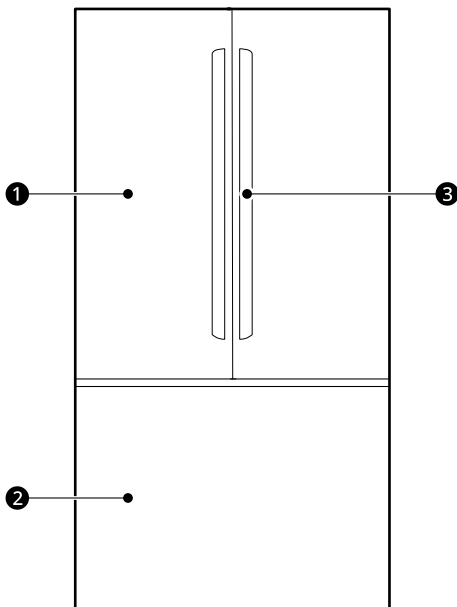
- For maximum freezing capacity, set the freezer temperature to the coldest temperature setting.
- **Express Freeze** function will allow the freezer to reach its maximum freezing capacity. This generally takes up to 24 hours and automatically switches off.
- **Express Freeze** must be switched on for 3 hours before fresh products are placed in the freezer compartment.

### 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.



**1 Fridge**

Fresh food compartment

**2 Freezer**

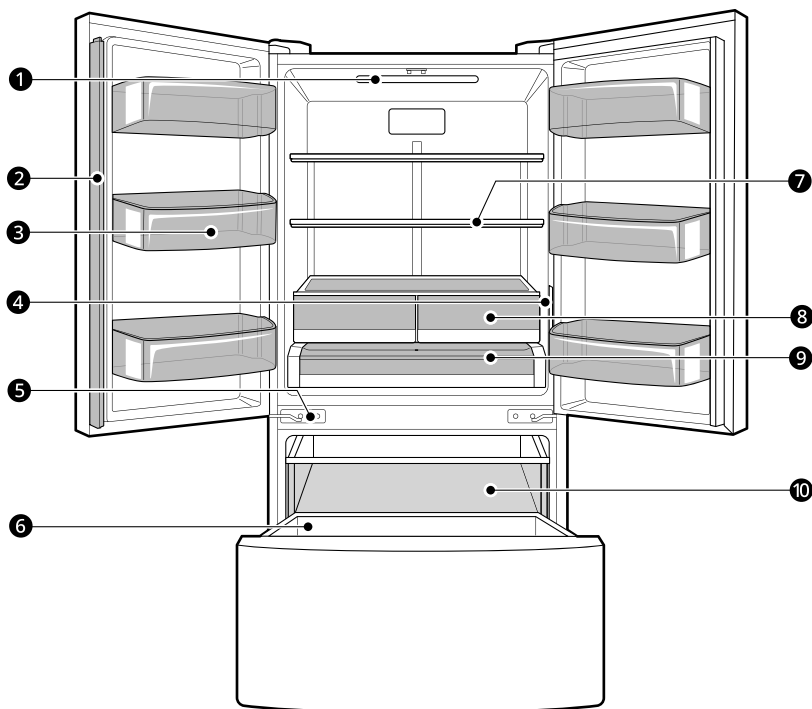
Frozen food compartment

**3 Fridge Handle**<sup>\*1</sup>

Opens and closes the fridge door.

## Interior

\*1 This feature is only available on some models.



### ① LED Interior Lighting

Lights up the inside of the fridge.

### ② 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.

### ③ Fixed Door Bin

Store chilled food or drinks.

### ④ Control Panel

Sets the fridge temperature and freezer temperature.

### ⑤ Auto Closing Hinge\*1

## 22 OPERATION

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The fridge doors and freezer drawers close automatically when pushed slightly. (The door only closes automatically when it is open at an angle of less than 30°.)

### ⑥ Durabase

Provides storage for large food items.

### ⑦ Adjustable Fridge Shelf

The fridge shelves are adjustable to meet individual storage needs.

### ⑧ Fridge Drawer

Keeps fruits and vegetables fresh.

### ⑨ Glide'N'Serve

Store food items at a different temperature than the regular fridge area.

### ⑩ Pullout Drawer

Provides extra storage within the freezer compartment.

# Control Panel

The actual control panel may differ from model to model.

## Control Panel and Functions



### ① Fridge

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

- The default fridge temperature is 3 °C.

### ② Freezer

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

- The default freezer temperature is -18 °C.

### ③ Express Freeze

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

## 24 OPERATION

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

### 4 Lock

The lock function disables every other button on the display.

- To lock the control panel buttons, press and hold the **Lock** button for 3 seconds until indicator light turns on and the function is activated.
- To disable the function, press and hold the **Lock** button for 3 seconds until the indicator light turns off and the function is deactivated.

### 5 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.

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## NOTE

- For optimal food preservation, increasing or decreasing 1 °C from the default temperature is recommended for each compartment.
  - The displayed temperature is the target temperature, and not the actual temperature inside the appliance.
  - The actual temperature inside the appliance depends on the following factors: room temperature, the amount of food and how often the doors are opened, where the appliance is. Set the temperatures by considering these factors.
  - 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.
- 

## Drawer

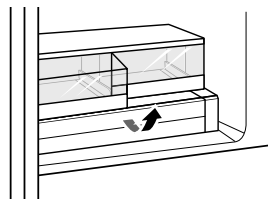
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### ⚠ CAUTION

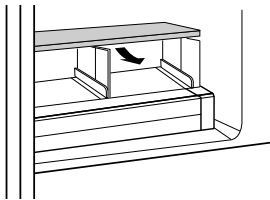
- Always empty the drawers before removing them, and use both hands when removing and refitting them.
  - Make sure that the fridge doors are fully open before removing and refitting the drawers.
- 

## Removing/Refitting the Fridge Drawer

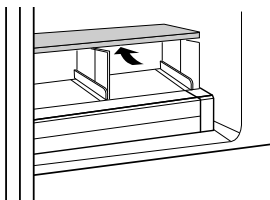
- 1 Pull out the drawer to full extension, lift the front up, and pull straight out.



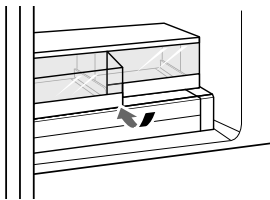
- 2 Lift the front of the cover up with both hands until it detaches from the back wall of the cabinet, then pull it out.



- 3 To refit, insert the cover into the refrigerator with both hands and lower it onto the guides.



- 4 Slightly tilt up the front, insert the drawer into the frame and push it back into place.



## Glide'N'Serve

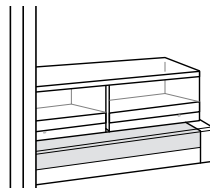
This feature is only available on some models.

### Using the Glide'N'Serve

This drawer can be used for large party trays, deli items and beverages. This drawer should not be used to store vegetables that require high humidity.

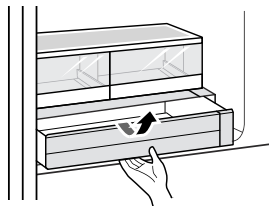
## CAUTION

- Do not place any items on the Glide'N'Serve cover.

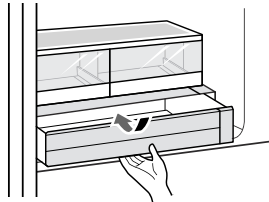


## Removing/Refitting the Glide'N'Serve

- 1 To remove the Glide'N'Serve, pull out the Glide'N'Serve to full extension, lift the front up, and pull straight out.



- 2 To refit, slightly tilt up the front, insert the Glide'N'Serve into the frame and push it back into place.



## Shelf

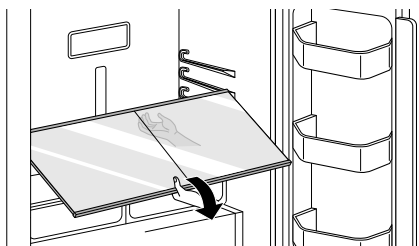
### ⚠ CAUTION

- 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.

## Removing/Refitting the Shelf

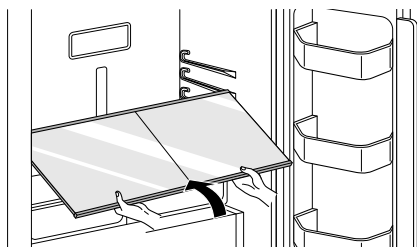
The shelves in the fridge are adjustable to meet individual storage needs. Adjusting the shelves to fit items of different heights will make finding the exact item you want easier.

- 1 Open the fridge doors completely.
- 2 If the Fresh Tray is inserted under the fridge shelf, remove the Fresh Tray first.
- 3 Support the shelf from the bottom and tilt one end up so the shelf is at an angle.
  - If needed, lower one side of the shelf on the bottom of the refrigerator interior.



- 4 Pull the shelf out.

- 5 Refit the shelf in the reverse order of the removal process.



### ⚠ CAUTION

- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.
- Make sure that shelves are level from one side to the other. Failure to do so may result in the shelf falling or food spilling.

## Door Basket

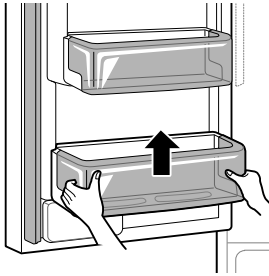
## Removing/Refitting the Door Basket

### ⚠ CAUTION

- Regularly detach and wash the door baskets; they can become easily contaminated by food.

The door baskets are removable for easy cleaning and adjustment.

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



- 2 To assemble the baskets, slide it in above the desired support and push down until it snaps into place.

# 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

- In the following cases, you must update the network information for each appliance in the **LG ThinQ** application under **Device Cards > Settings > Change Network**.
  - wireless router is changed
  - wireless router password is changed
  - Internet service provider is changed
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

## Installing LG ThinQ Application and Connecting an LG Appliance

### Models with QR Code

Scan the QR code attached to the product using the camera or a QR code reader application on your smartphone.



### Models without QR Code

- 1 Search for and install the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone.
- 2 Run the **LG ThinQ** application and sign in with your existing account or create an LG account to sign in.
- 3 Touch the add (+) button on the **LG ThinQ** application to connect your LG appliance. Follow the instructions in the application to complete the process.

## 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.
- The surrounding wireless environment can make the wireless network service run slowly.
- 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 connect or installation may fail.
- 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 network connection may not work properly depending on the Internet service provider.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The appliance cannot be connected due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.
- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and connect the product again.
- To disable the Wi-Fi function, press and hold the **Wi-Fi** button for 3 seconds. The Wi-Fi indicator will be turned off.
- To reconnect the appliance or add 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 connect the appliance.

## RF Radiation Exposure Statement

This equipment shall be installed and used at a minimum distance of 20 cm from the human body.

## 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](mailto:opensource@lge.com).

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

## Smart Diagnosis

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

### NOTE

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

## Using LG ThinQ to Diagnose Issues

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

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

### Using Audible Diagnosis to Diagnose Issues

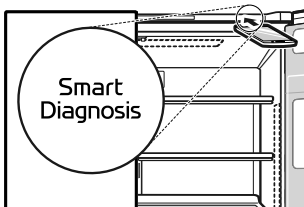
Follow the instructions below to use the audible diagnosis method.

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

**1** 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.

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#### NOTE

- For best results, do not move the phone while the tones are being transmitted.
-

# 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 abrasive pads. Do not use any chemical cleaners that contain or are blended with solvents or flammable substances or caustic based detergents. These include but are not limited to:
  - Flammable substances: alcohol (ethanol, methanol, isopropyl alcohol, isobutyl alcohol, etc.), thinner, bleach, benzene, flammable liquid, abrasive, etc.
  - This may cause discolouration or damage to the appliance's internal parts and wall lining.
- After cleaning, check if the power cable is damaged.

### Cleaning the Exterior

- With models that have vents and rear covers fitted, the outside air vents and rear lower cover should be cleaned periodically to remove dust buildup. Failure to do so could cause the appliance to lose its cooling ability and cause the compressor to overheat and malfunction, resulting in food loss. We strongly recommend this be done every 12 months or less, depending on the environment.
- When cleaning the side vents and rear lower cover by vacuuming, then the power cord must 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 also necessary to maintain reliable and economical operation of the unit.

- Failure to keep the air vents on the exterior of the appliance clean can also cause overheating, appliance damage or property damage if the defrosted water cannot evaporate from the rear drain pan.
- 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 dedicated 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.

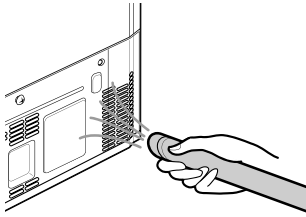
### Cleaning the Interior

- Before 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 a mild detergent, and then dry them sufficiently, before replacing them.
- Regularly wipe the door gaskets and door seals with water and a mild detergent. Never use solvent or acidic based chemicals to clean the interior. Doing so will alter its integrity.
- 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, door baskets, or containers in the dishwasher or in hot water. The parts may become deformed, and glass may shatter 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 strongly recommend that this be done every 12 months to maintain operating efficiency. Failing to do so could cause loss of cooling, higher energy usage and compressor overheating.



# TROUBLESHOOTING

## Before Calling for Service

### Cooling

Symptoms	Possible Cause & Solution
There is no refrigeration or freezing.	<b>Is there a power interruption?</b> <ul style="list-style-type: none"> <li>Check the power of other appliances.</li> </ul>
	<b>Appliance is unplugged.</b> <ul style="list-style-type: none"> <li>Plug the power plug in the outlet properly.</li> </ul>
	<b>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.</b> <ul style="list-style-type: none"> <li>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.</li> <li>Reset the circuit breaker on the GFCI. If the problem persists, contact an electrician.</li> </ul>
There is poor refrigeration or freezing.	<b>Is the fridge or freezer temperature set to its warmest setting?</b> <ul style="list-style-type: none"> <li>Set the fridge or freezer temperature to a colder setting.</li> </ul>
	<b>Is the appliance in direct sunlight, or is it near a heat generating object such as cooking oven or heater?</b> <ul style="list-style-type: none"> <li>Check the installation area and reinstall it away from heat generating objects.</li> </ul>
	<b>Did you store hot food without cooling it first?</b> <ul style="list-style-type: none"> <li>Cool the hot food first before putting it in the fridge or freezer compartment.</li> </ul>
	<b>Did you put in too much food?</b> <ul style="list-style-type: none"> <li>Maintain an appropriate space between food.</li> </ul>
	<b>Are the appliance doors completely closed?</b> <ul style="list-style-type: none"> <li>Completely close the door and make sure that stored food is not obstructing in the door.</li> </ul>
	<b>Is there enough space around the appliance?</b> <ul style="list-style-type: none"> <li>Adjust the installation position to make enough space around the appliance.</li> </ul>
The appliance contains a bad smell.	<b>Is the fridge or freezer temperature set to its warmest setting?</b> <ul style="list-style-type: none"> <li>Set the fridge or freezer temperature to a colder setting.</li> </ul>

Symptoms	Possible Cause & Solution
The appliance contains a bad smell.	<b>Did you put in food with a strong smell?</b> <ul style="list-style-type: none"> <li>Store foods with strong smells in sealed containers.</li> </ul>
	<b>Vegetables or fruit may have spoiled in the drawer.</b> <ul style="list-style-type: none"> <li>Throw away rotten vegetables and clean the vegetable drawer. Do not store vegetables too long in the vegetable drawer.</li> </ul>

## Condensation & Frost

Symptoms	Possible Cause & Solution
There is condensation inside the appliance or on the bottom of the vegetable drawer cover.	<b>Did you store hot food without cooling it first?</b> <ul style="list-style-type: none"> <li>Cool the hot food first before putting it inside the fridge or freezer.</li> </ul>
	<b>Did you leave the appliance door open?</b> <ul style="list-style-type: none"> <li>Although the condensation will disappear soon after you close the appliance door, you can wipe it with a dry cloth.</li> </ul>
	<b>Do you open and close the appliance door too frequently?</b> <ul style="list-style-type: none"> <li>Condensation can form due to the temperature difference from the outside. Wipe out the dampness with a dry cloth.</li> </ul>
	<b>Did you put warm or moist food inside without sealing it in a container?</b> <ul style="list-style-type: none"> <li>Store food in a covered or sealed container.</li> </ul>
Frost has formed in the freezer compartment.	<b>Doors may not be closed properly.</b> <ul style="list-style-type: none"> <li>Check if the food item inside the appliance is blocking the door and make sure that the door is tightly closed.</li> </ul>
	<b>Did you store hot food without cooling it first?</b> <ul style="list-style-type: none"> <li>Cool the hot food first before putting it in the fridge or freezer compartment.</li> </ul>
	<b>Is the air entry or exit of the freezer compartment blocked?</b> <ul style="list-style-type: none"> <li>Make sure that air entry or exit is not blocked so that the air can circulate inside.</li> </ul>
	<b>Is the freezer compartment overfilled?</b> <ul style="list-style-type: none"> <li>Maintain an appropriate space between items.</li> </ul>
Frost or condensation has formed inside or outside the appliance.	<b>Did you open and close the appliance door frequently or is the appliance door improperly closed?</b> <ul style="list-style-type: none"> <li>Frosts or condensation can form if the outside air penetrates inside the appliance.</li> </ul>

Symptoms	Possible Cause & Solution
<b>Frost or condensation has formed inside or outside the appliance.</b>	<p><b>Is the installation environment humid?</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>
<b>The side or front of the appliance is warm.</b>	<p><b>There are anti condensation pipes fitted to these areas of the appliance to reduce condensation forming from around the door area.</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>
<b>There is water inside or outside of the appliance.</b>	<p><b>Is there water leakage around the appliance?</b></p> <ul style="list-style-type: none"> <li>Check if the water has leaked from a sink or another place.</li> </ul>
	<p><b>Is there water on the bottom of the appliance?</b></p> <ul style="list-style-type: none"> <li>Check if the water is from the thawed frozen food or a broken or dropped container.</li> </ul>

## Parts & Features

Symptoms	Possible Cause & Solution
<b>The appliance door is not closed tightly.</b>	<p><b>Is the appliance leaning forward?</b></p> <ul style="list-style-type: none"> <li>Adjust the front feet to raise the front side slightly.</li> </ul>
	<p><b>Were the shelves properly assembled?</b></p> <ul style="list-style-type: none"> <li>Refit the shelves if needed.</li> </ul>
	<p><b>Did you close the door with excessive force?</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>
<b>It is difficult to open the appliance door.</b>	<p><b>Did you open the door right after you closed it?</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>
<b>Door mullion does not fold in and out properly.</b>	<p><b>Are front levelling legs extended, the appliance level, and doors aligned?</b></p> <ul style="list-style-type: none"> <li>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.</li> </ul>

Symptoms	Possible Cause & Solution
<b>The inside lamp in the appliance does not turn on.</b>	<p><b>Lamp failure</b></p> <ul style="list-style-type: none"> <li>• 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.</li> </ul>

## Noises

Symptoms	Possible Cause & Solution
<b>The appliance is noisy and generates abnormal sounds.</b>	<p><b>Is the appliance installed on a weak floor or improperly levelled?</b></p> <ul style="list-style-type: none"> <li>• Install the appliance on a solid and flat area.</li> </ul>
	<p><b>Does the rear of the appliance touch the wall?</b></p> <ul style="list-style-type: none"> <li>• Adjust the installation position to allow enough clearance around the appliance.</li> </ul>
	<p><b>Are objects scattered behind the appliance?</b></p> <ul style="list-style-type: none"> <li>• Remove the scattered objects from behind the appliance.</li> </ul>
	<p><b>Is there an object on top of the appliance?</b></p> <ul style="list-style-type: none"> <li>• Remove the object on top of the appliance.</li> </ul>
<b>Clicking noises</b>	<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
<b>Rattling noises</b>	<p><b>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 around the appliance.</b></p> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
	<p><b>Appliance is not resting evenly on the floor.</b></p> <ul style="list-style-type: none"> <li>• Floor is weak or uneven or levelling legs need to be adjusted. See the Door Alignment section.</li> </ul>
	<p><b>Appliance with a compressor was moved while operating.</b></p> <ul style="list-style-type: none"> <li>• Normal operation. If the compressor does not stop rattling after three minutes, turn the power to the appliance off and then on again.</li> </ul>
<b>Whooshing noises</b>	<p><b>Evaporator fan motor is circulating air through the fridge and freezer compartments.</b></p> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
	<p><b>Air is being forced over the condenser by the condenser fan.</b></p> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>

Symptoms	Possible Cause & Solution
Gurgling noises	<b>Appliance flowing through the cooling system.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
Popping noises	<b>Contraction and expansion of the inside walls due to changes in temperature.</b> <ul style="list-style-type: none"> <li>• Normal Operation</li> </ul>
Vibrating	<b>If the side or back of the appliance is touching a cabinet or wall, some of the normal vibrations may make an audible sound.</b> <ul style="list-style-type: none"> <li>• To eliminate the noise, make sure that the sides and back do not make any contact with any wall or cabinet.</li> </ul>
Buzzing sound from the water tank. (Non plumbed models only)	<b>You may hear valve a buzzing sound from the water tank if the icemaker is on and the water tank is empty.</b> <ul style="list-style-type: none"> <li>• Fill the water tank or turn the icemaker off.</li> </ul>

## Wi-Fi

Symptoms	Possible Cause & Solution
Your home appliance and smartphone are not connected to the Wi-Fi network.	<b>The password for the Wi-Fi that you are trying to connect to is incorrect.</b> <ul style="list-style-type: none"> <li>• Find the Wi-Fi network connected to your smartphone and remove it, then register your appliance on <b>LG ThinQ</b>.</li> </ul>
	<b>Mobile data for your smartphone is turned on.</b> <ul style="list-style-type: none"> <li>• Turn off the <b>Mobile data</b> of your smartphone and register the appliance using the Wi-Fi network.</li> </ul>
	<b>The wireless network name (SSID) is set incorrectly.</b> <ul style="list-style-type: none"> <li>• The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)</li> </ul>
	<b>The router frequency is not 2.4 GHz.</b> <ul style="list-style-type: none"> <li>• 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.</li> </ul>
	<b>The distance between the appliance and the router is too far.</b> <ul style="list-style-type: none"> <li>• 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.</li> </ul>

# Memo

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