LG
Life's Good

OWNER'S MANUAL

FRIDGE& FREEZER

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

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TABLE OF CONTENTS

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

This manual is subject to revision by the manufacturer.

SAFETY INSTRUCTIONS 3
- IMPORTANT SAFETY INSTRUCTIONS 3

INSTALLATION 10
- Compartments 10
- Dimensions and Clearances 11
- Ambient Temperature 11
- Removing/Assembling the Doors 12
- Levelling 13
- Door Alignment 13
- Connecting the Appliance 14
- Moving the Appliance 14

OPERATION 15
- Parts and Functions 15
- Notes for Operation 18
- Using Control Panel 20
- Door Mullion 21
- Door in Door* 22
- Icemaker 22
- Using the Folding Shelf* 22
- InstaView Function 23
- Other Functions 23

SMART FUNCTIONS 24
- Using LG SmartThinQ Application 24
- Using Smart Diagnosis™ 25

MAINTENANCE 27
- Notes for Cleaning 27
- Cleaning the Condenser Cover 27
- Cleaning the Fridge Shelf 28
- Cleaning the Folding Shelf* 28
- Cleaning the Vegetable Drawer 29
- Cleaning the Door Basket 29
- Cleaning the Freezer Drawer 30

TROUBLESHOOTING 31

SAFETY INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into ‘WARNING’ and ‘CAUTION’ as described below.

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

⚠ **WARNING**

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

⚠ **CAUTION**

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

IMPORTANT SAFETY INSTRUCTIONS

⚠ **WARNING**

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

Children in the Household

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- If the appliance is equipped with a lock (some models only), keep the key out of reach of children.

Installation

- This appliance should only be transported by two or more people holding the appliance securely.
- Ensure that the socket outlet 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 socket outlet that is installed and grounded in accordance with all local codes and ordinances.
- If the power cord is damaged or the hole of the socket outlet is loose, do not use the power cord and contact an authorized service centre.
- Do not plug the appliance into a multi socket adapter which does not have a power cable (mounted).
- Do not modify or extend the power cable.
- 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 code rating or higher and use the multi socket outlet only for the appliance.
- Install the appliance in a place where is easy to unplug the power plug of the appliance.
- Be careful not to point the power plug up or let the appliance lean against the power plug.
- 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.
- 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.
- Do not connect a plug adapter or other accessories to the power plug.

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.
- 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.
- If water penetrates electrical parts of the appliance, disconnect power plug and contact an LG Electronics customer information centre.
- 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.
- Do not put animals, such as pets into 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 place heavy or fragile objects, containers filled with liquid, combustible substances, flammable objects (such candles, lamps, etc.), or heating devices (such as stoves, heaters, etc.) on 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.
- 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.
- Fill with potable water only into icemaker or dispenser water tank.
- Do not damage the refrigerant circuit.
- Do not place any electronic appliance (such as heater and mobile phone) inside the appliance.

Maintenance

- Disconnect the power cord before cleaning the appliance or replacing the inside lamp (where fitted).
- Securely plug the power plug in the socket outlet 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 socket outlet.
- 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 use mechanical devices or other means to accelerate the defrosting process.
- Connect the water supply line (for plumbed models only) to a potable water source only. Otherwise, impurities in the water may cause illness.

Disposal

- When discarding the appliance, remove the door gasket while leaving the shelves and baskets in place and keep children away from the appliance.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.

Technical Safety

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use electrical appliances inside the refrigerator.
- 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.
- 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.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- 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.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

Risk of Fire and Flammable Materials



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.
- 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 m² in size for every 8 g of R600a refrigerant inside the appliance.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

⚠ 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:

Installation

- 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.

Operation

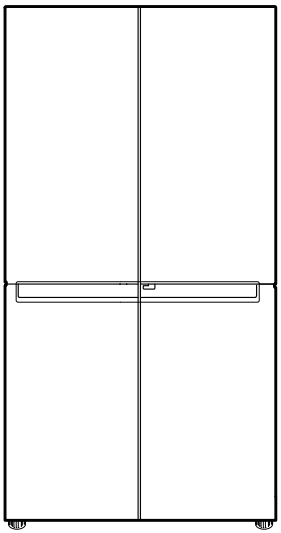
- Do not touch frozen food or the metal parts in the freezer compartment with wet or damp hands. It may cause frostbite.

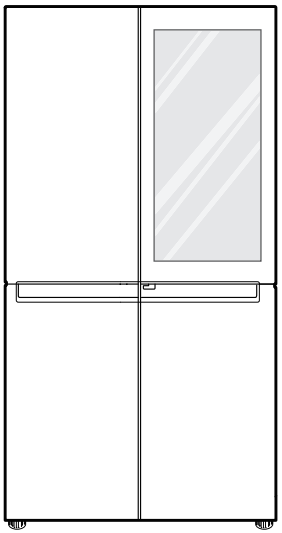
- Do not place glass containers, bottles or cans (especially those containing carbonated drinks) in the freezer compartment, shelves or ice bin that will be exposed to temperatures below freezing.
- The tempered glass on the front side of the appliance door or the shelves can be damaged by an impact. If it is broken, do not touch it with hands.
- Do not place heavy objects on top of the door in door.
- Do not use the door in door as a chopping board and ensure it is not scratched by a sharp tool, as this may cause appliance damage.
- Do not hang from the appliance door, storage room, shelf or fridge door in door or climb up into it.
- Do not store an excessive amount of water bottles or containers for side dishes on the door baskets.
- Prevent animals from nibbling on the power cable or water hose.
- 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.
- Do not clean glass shelves or covers with warm water when they are cold.
- 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.
- 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.

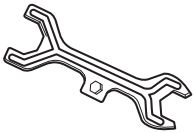
Maintenance

- Do not insert the shelves upside down. The shelves may fall.
- To remove frost from the appliance, contact an LG Electronics customer information centre.

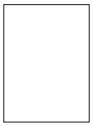
Compartments



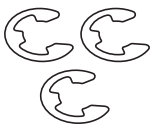




Spanner



Owner’s Manual

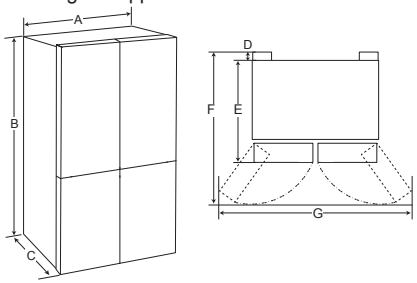


Ring Sheet

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

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 from each adjacent wall when installing the appliance.



-	Size
A	835 mm
B	1787 mm
C	734 mm
D	5 mm
E	729 mm
F	1065 mm
G	1562 mm

Ambient Temperature

- The appliance is designed to operate within a limited range of ambient temperatures, depending on the climate zone.
- The internal temperature 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 ºC
SN (Extended Temperate)	+10 - +32
N (Temperate)	+16 - +32
ST (Subtropical)	+16 - +38
T (Tropical)	+16 - +43 / +10 - +43*

*Australia, India, Kenya

NOTE

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

Removing/Assembling the Doors

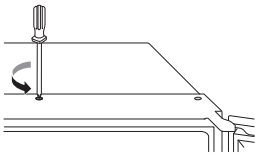
- When it is necessary to move the appliance through a narrow opening, removing the doors is the recommended procedure.

⚠ WARNING

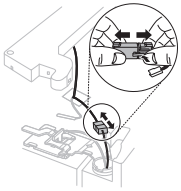
- Disconnect the power cord, house fuse or circuit breaker before installing or servicing the appliance. Failure to follow these instructions may result in death, fire or electric shock.

Removing the Fridge Doors

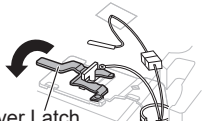
1 Remove the screw of the hinge cover on top of the appliance by rotating it counterclockwise.



2 Remove the connector by pulling it in both directions by pressing down on the hook of the wire harness connector.



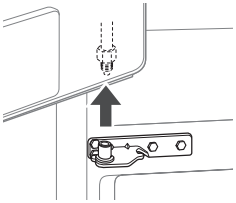
3 Rotate the hinge lever counterclockwise. Lift the top hinge free of the hinge lever latch.



⚠ CAUTION

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

4 Lift the door off of the middle hinge pin and remove the door.



⚠ CAUTION

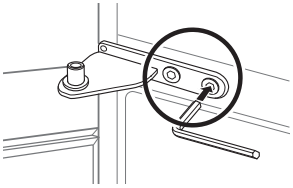
- Place the door on a non-scratching surface with the inner side facing up.

Refitting the Fridge Doors

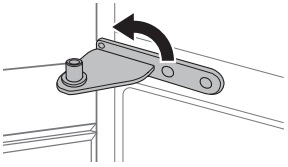
Mount the doors in the reverse sequence of their removal once the appliance has been passed through all access doors.

Removing the Freezer Doors

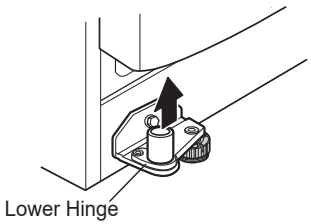
1 Remove the two hinge bolts.



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.



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



Refitting the Freezer Doors

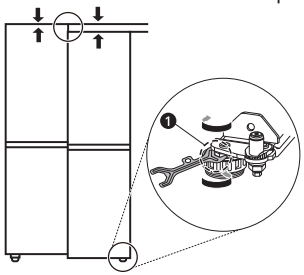
Mount the doors in the reverse sequence of their removal once the appliance has been passed through all access doors.

Levelling

If the appliance seems unsteady, or the doors do not close easily, adjust the appliance's tilt.

Levelling the appliance

Open the freezer doors and adjust the height by turning the nut above the foot with the spanner ❶.

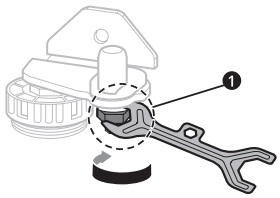


Door Alignment

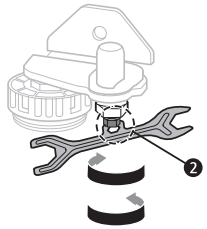
If the gap between the doors is uneven, follow the instructions below to align the doors evenly.

Adjusting the Height of the Freezer Door

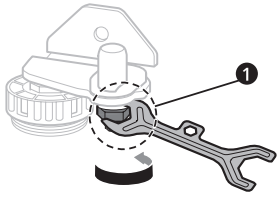
1 Turn the keeper nut clockwise using the spanner ❶.



2 Turn the adjustment hinge pin clockwise or counterclockwise using the spanner ❷ .
To lower the door, turn the adjustment hinge pin clockwise. To raise the door, turn the adjustment hinge pin counterclockwise.



3 Fasten the keeper nut by turning it counterclockwise.

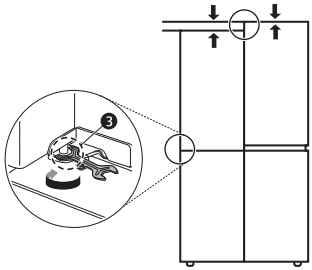


⚠ CAUTION

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

Adjusting the Height of the Left Fridge Door

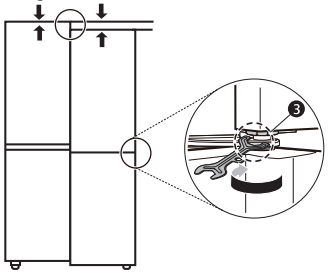
If the left door is lower, lift the left door, and turn the hinge bolt using the spanner ❸ as in the drawing.



Adjusting the Height of the Right Fridge Door

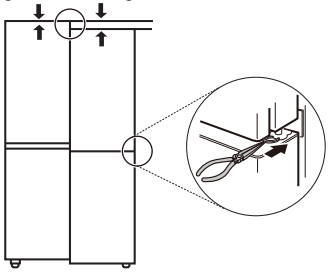
<Type1>

If the right door is lower, lift the right door, and use the spanner ❸ to turn the keeper nut clockwise until the heights are balanced.



<Type2>

If the right door is lower, lift the right door, and use a pair of long nose pliers to additionally insert a snap ring until the heights are balanced.



Connecting the Appliance

After installing the appliance, connect the power plug into a socket outlet.

NOTE

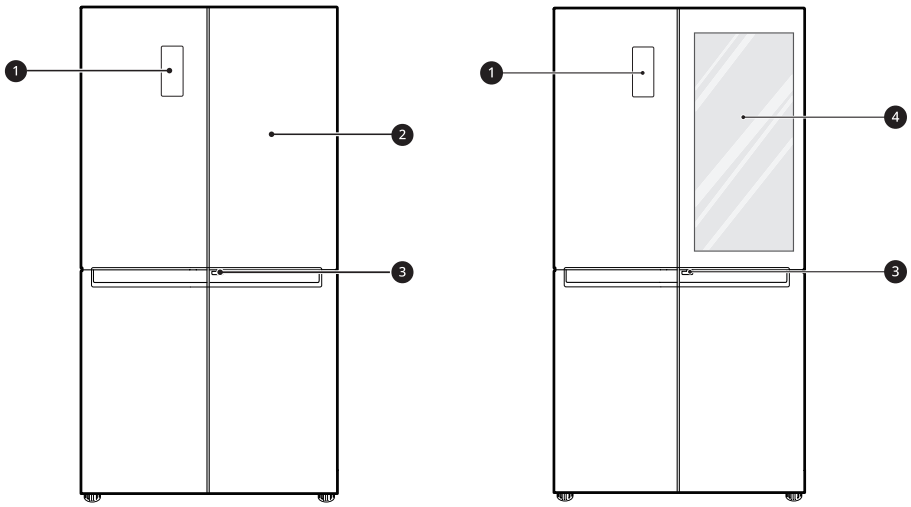
- After connecting the power supply cord (or plug) to the outlet, wait 2 or 3 hours before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil.

Moving the Appliance

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 socket out to switch on the appliance.

Parts and Functions

Exterior



❶ **Control Panel**

To set the freezer and fridge temperatures.

❷ **Door-in-Door***

The Door-in-Door is a double layered door system. It can be opened individually or together with the main door. You can conveniently locate and access your favourite snacks or food items.

❸ **Door-in-Door Lever***

You can open the Door-in-Door by pulling the lever at the bottom of the door.

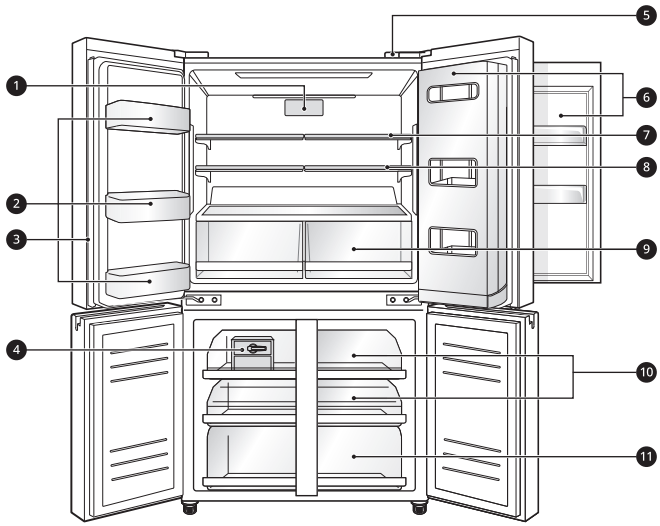
❹ **InstaView Door in Door***

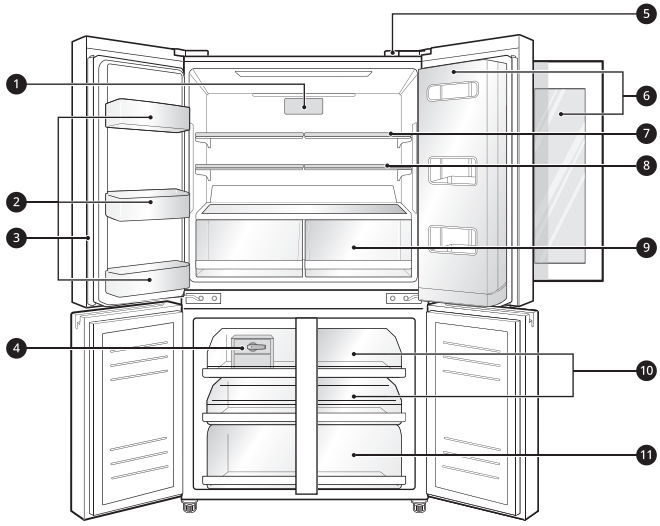
The InstaView Door in Door compartment allows for easy access to commonly used food items.

NOTE

- * means that this feature varies depending on the model purchased.
- The appearance or components of the appliance may differ from model to model.

Interior





❶ **Hygiene Fresh***

This function minimizes bacteria and odor inside the appliance.

❷ **Fridge Door Basket**

This is where small packages of refrigerated foods, drinks and sauce containers are stored.

❸ **Door Mullion**

This blocks 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 fridge door mullion is always folded in.
- The door alarm will sound every 30 seconds if the door remains open longer than one minute. Ensure that the folding mullion is folded in before closing the left-hand door.

❹ **Moving Ice Maker**

This is where ice is produced and stored.

❺ **Smart Diagnosis Unit**

Use this function when contacting LG Electronics customer information centre to help make an accurate diagnosis when the appliance operates abnormally or a failure occurs.

❻ **Door-in-Door***

A convenient storage area for frequently-used items that require easy access.

❼ **Adjustable Fridge Shelf**

Shelves are adjustable to meet individual storage needs.

❽ **Folding Shelf***

Shelf is adjustable to meet individual storage needs.

❾ **Vegetable Drawer**

This is where fruits and vegetables are stored to remain fresh for as long as possible.

❿ **Freezer Tray**

This is where frozen foods such as meat, fish, and ice cream can be stored.

- The sliding trays allow easy access and convenience of use.

⓫ **Freezer Drawer**

This is for long-term storage of frozen items.

- Preserve small packaged frozen food or frequently-taken out foods. To use larger space, remove drawers.

NOTE

- * means that this feature varies depending on the model purchased.

Notes for Operation

- Users should keep in mind that frost can form. If the door is not closed completely, if the humidity is high during the summer, or if the freezer door is opened frequently.
- Ensure there is sufficient space between food stored on the shelf or door basket to allow the door to close completely.
- Opening the door lets warm air enter the appliance, and may cause the internal temperature to rise.
- If you are leaving the appliance turned off for an extended period of time, remove all food and unplug the power cord. Clean the interior, and leave the doors slightly ajar to prevent mold from growing in the appliance.

Suggestion for Energy Saving

- 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 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 this may have on the food storage due to a temperature rise, seal or wrap the stored food in several layers.
- The automatic defrosting system in the appliance ensures that the compartment remains free of ice buildup under normal operating conditions.

Storing Foods Effectively

- 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 (more than four weeks) if it spoils easily at a low temperature.
- Place the refrigerated food or frozen food in each fridge or freezer compartment immediately after purchasing.
- 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 wrap and store vegetables with newspaper. Printing material of newspaper or other foreign substances may smear and contaminate food.
- Do not overfill the appliance. Cold air can not circulate properly if the appliance is overfilled.
- 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.

Max Freezing Capacity

- The Express Freeze function will set the freezer to its maximum freezing capacity.
- This generally takes up to 24 hours and automatically switches off.
- If the maximum freezing capacity is to be used, Express Freeze must be switched on for seven hours before fresh produce is placed in the freezer compartment.

Maximum Storage

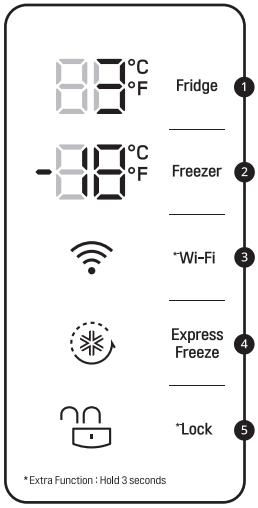
- To get better air circulation, insert all drawers.
- If large quantities of food are to be stored, all the freezer drawers shall be taken out of the appliance except the bottom one and the food shall be stacked directly on the freezer shelves in the freezer compartment.

NOTE

- To remove the drawers, first pick the food out of drawers. Then use the handle of drawers, pull out the drawers carefully. It may cause injury.
- The shape of each drawer may be different, insert in the right position.

Using Control Panel

Units and Functions



❶ **Fridge Temperature**
- This sets the fridge target temperature.

❷ **Freezer Temperature**
- This sets the freezer target temperature.

❸ *** Wi-Fi**
- This sets the appliance to connect to your home's Wi-Fi network.

❹ **Express Freeze**
- This sets Express Freeze functions.

❺ *** Lock**
- This locks the buttons on the control panel.

NOTE
- The actual control panel may differ from model to model.
- The control panel will turn off automatically for energy saving.
- If there is any finger or skin contacts to the control panel while cleaning it, the button function may operate.

Setting the Temperature

This sets the fridge temperature or freezer temperature.

- Press the **Fridge** button or **Freezer** button to adjust the temperature.
- The initial temperature is set.
  - Fridge : 3 °C
  - Freezer : -18 °C
- The temperature can be adjusted.
  - Fridge : from 0 °C to 6 °C
  - Freezer : from -24 °C to -16 °C
- 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.

NOTE

- The default temperature setting may vary depending on the appliance.
- Wait until two or three hours have passed after connecting the appliance to the outlet before storing food in the appliance.
- For ice making in normal climates, the freezer temperature should be set to -18 °C or colder.

Setting Express Freeze

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

- When you press the **Express Freeze** button, the **Express Freeze** icon lights on the control panel.
- The function is enabled and disabled in turn each time you press the button.
- The Express Freeze function automatically terminates after a specific period has passed.

Setting and Resetting Lock

This locks the buttons on the control panel.

- When you press the **Lock** button for 3 seconds, the **Lock/Unlock** icon on the control panel lights. The function is enabled and disabled in turn each time you press the button.
- If you press a button other than lock when the lock is set, the button will not function.
- To change a setting, first press the **Lock** button for 3 seconds to disable the function.

NOTE

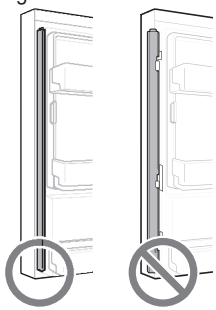
- The Lock function does not disable the dispenser operation.
- When you press a button other than lock when the lock is set, the **Lock/Unlock** icon on the control panel will flash 3 times.

Door Mullion

This door mullion prevents cold air from leaking from the appliance.

⚠ CAUTION

- The door alarm will sound every 30 seconds if the door remains open longer than one minute. Ensure that the folding mullion is folded in before closing the left-hand door.

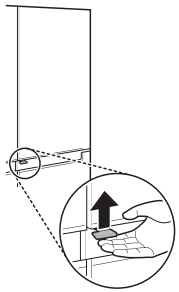


- To reduce the risk of door scratches and breaking the centre door mullion, make sure that the appliance door mullion is always folded in.

Door in Door*

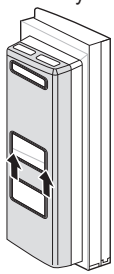
Pull the lever at the bottom of the door upwards until the door in door opens.

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



Removing the Case from the Door in Door

Hold the case from inside the door in door with both hands and remove it by lifting it upward.



Refitting the Door in Door Case

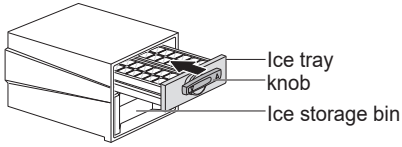
Mount them in the reverse order of the removal process.

NOTE

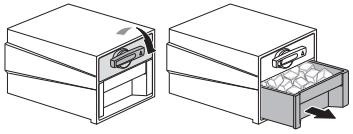
- * means that this feature varies depending on the model purchased.

Icemaker

1 To make ice, fill the ice tray with water and insert it into its position.



2 To take ice out, rotate the knob of the ice tray clockwise.

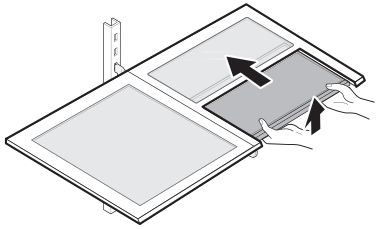


NOTE

- You can remove the icemaker or ice storage bin to create more space inside the freezer if you do not use it.

Using the Folding Shelf*

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



⚠ CAUTION

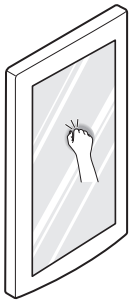
- Glass shelves are heavy. Use special care when removing them.
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.

NOTE

- * means that this feature varies depending on the model purchased.

InstaView Function

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

- The InstaView Door-in-Door function is disabled when the right refrigerator door and the left freezer door are open, for two seconds after closing the door, and when the ice dispenser is in use.
- Knock near the center of the glass. Knocking near the edges of the glass may not activate the InstaView Door-in-Door function properly.
- Knock hard enough that the knocking sound is audible.
- The InstaView Door-in-Door function may activate if a loud noise occurs near the refrigerator.

Other Functions

Door Open Alarm

The alarm sounds 3 times in 30 second intervals if the door (fridge compartment, freezer compartment, Door-in-Door) is left open or not completely closed for one minute.

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

Failure Detection

The appliance can automatically detect problems during the operation.

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

Using LG SmartThinQ Application

- For appliances with the or logo

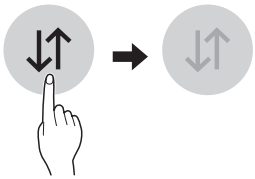
The LG SmartThinQ application allows you to communicate with the appliance using a smartphone.

Before Using LG SmartThinQ

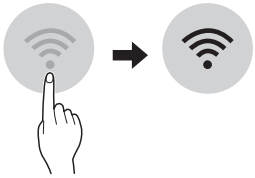
1 Check the distance between the appliance and the wireless router (Wi-Fi network).

- 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 **Wi-Fi** icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- LG SmartThinQ is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- The appliance cannot be registered due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.
- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and register the product again.

Installing LG SmartThinQ

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

LG SmartThinQ Application Features for Wi-Fi models

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

Firmware Update

Keep the appliance performance updated.

Smart Diagnosis™

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

Settings

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

NOTE

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

Connecting to Wi-Fi

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

Initial Appliance Registration

Run the LG SmartThinQ 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 SmartThinQ 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. Wi-Fi icon will be turned off.

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

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

Using Smart Diagnosis™

- For appliances with the or logo

Smart Diagnosis™ Through the Customer Information Centre

Use this function if you need an accurate diagnosis by an LG Electronics customer information centre when the appliance malfunctions or fails. Use this function only to contact the service representative, not during normal operation.

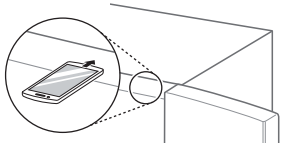
1 Press the **Lock** button to activate the lock function.

- 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.

- Position the phone so that its microphone is aligned with the speaker hole.



3 Press and hold the **Freezer** button for three seconds or longer while continuing to hold your phone to the speaker.

4 After the data transfer is complete, the service agent will explain the result of the Smart Diagnosis™.

NOTE

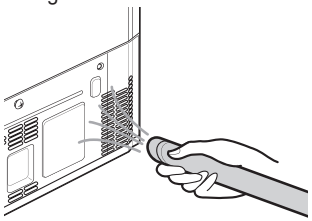
- Position the phone so that its microphone is aligned with the speaker hole.
- The Smart Diagnosis™ sound is generated after around three seconds.
- Hold the phone to the upper right speaker hole and wait while the data is transmitted.
- Do not take the phone off the speaker hole while the data is transmitted.
- The data transfer sound may be harsh to the ear while the Smart Diagnosis™ data is being transmitted, but do not take the phone off the speaker hole for accurate diagnosis until the data transfer sound has stopped.
- When the data transfer is complete, the transfer completion message is displayed and the control panel is automatically turned off and then on again after a few seconds. Afterwards the customer information centre explains the diagnosis result.
- The Smart Diagnosis™ function depends on the local call quality.
- The communication performance will improve and you can transmit a better signal if you use a land line home phone.
- If the Smart Diagnosis™ data transfer is poor due to poor call quality, you may not receive the best Smart Diagnosis™ service.

Notes for Cleaning

- 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.
- If 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.
- 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.
- After cleaning, check if the power cable is damaged.
- Keep the air vents on the exterior of the appliance clean.
  - Blocked air vents can cause fire or appliance damage.
- Waxing external painted metal surfaces helps provide rust protection. Do not wax plastic parts. Wax painted metal surfaces at least twice a year using appliance wax (or auto paste wax). Apply wax with a clean, soft cloth.
- 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 discoloration or damage to the appliance.
  - Flammable substances: alcohol (ethanol, methanol, isopropyl alcohol, isobutyl alcohol, etc.), thinner, bleach, benzene, flammable liquid, abrasive, etc.
- 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.
- Never clean the shelves or containers in the dishwasher.
  - The parts may become deformed due to the heat.
- If the appliance is equipped with an LED lamp, do not remove lamp cover and LED lamp in any attempt to repair or service it. Please, contact the LG Electronics customer information centre.

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.

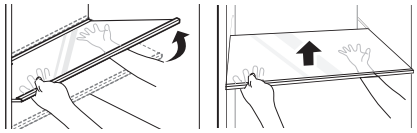


Cleaning the Fridge Shelf

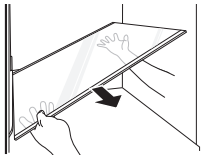
Removing the Fridge Shelf

1 Open the fridge doors completely.

2 Tilt the front of the shelf up Slightly and then lift the shelf straight up.



3 Pull the shelf out tilted at an angle.



Refitting the Fridge Shelf

Refit the Shelf in the reverse sequence of their removal.

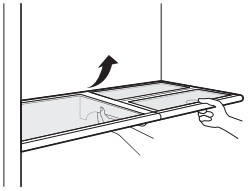
⚠ CAUTION

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

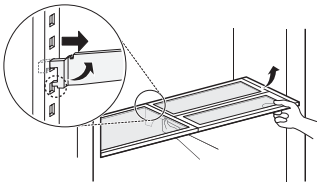
Cleaning the Folding Shelf*

Removing the Folding Shelf

1 Tilt up the back of the shelf and lift it straight up.



2 Pull the shelf out tilted at an angle.



Refitting the Folding Shelf

Tilt the back of the shelf up and guide the rear shelf hooks into the slots. Then, lower the back of the shelf so that the hooks drop into the slots.

⚠ CAUTION

- 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.

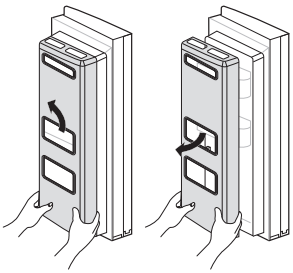
NOTE

- * means that this feature varies depending on the model purchased.

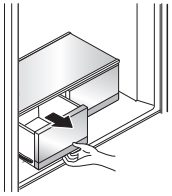
Cleaning the Vegetable Drawer

Removing the Vegetable Drawer

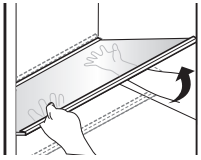
1 Open the doors completely and remove the contents of the Door-in-Door cases and baskets. Remove the Door-in-Door case from the appliance.



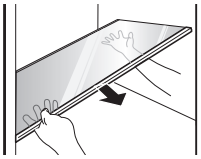
2 Remove the contents of the drawer. Hold the handle of the drawer and gently pull it out completely until it stops. Repeat to remove the second drawer.



3 Tilt the cover slightly and support it with one hand.



4 Pull the cover out tilted at an angle.



Refitting the Vegetable Drawer

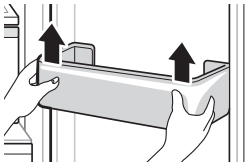
1 Open the fridge doors comletely.

2 Insert the bottom of the vegetable drawer into its original position and ently push it back in while lowering it.

Cleaning the Door Basket

Removing the Door Basket

Hold both edges of the basket and remove it by lifting it upward.



Refitting the Door Basket

Refit the Door Basket in the reverse sequence of their removal.

Cleaning the Freezer Drawer

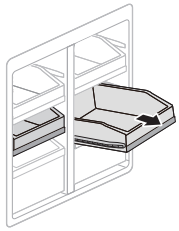
The sliding freezer drawers allow easy access and convenience of use.

Use the upper compartments to store packaged frozen foods and frequently-used foods.

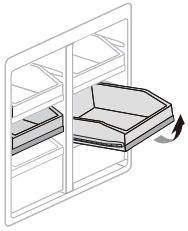
Use the lower compartment for larger frozen foods and items stored for longer periods.

Removing the Freezer Drawers

1 Open both freezer doors completely. Pull out the freezer trays and drawers 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.

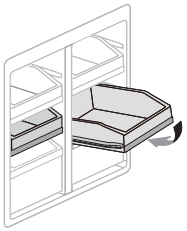


⚠ CAUTION

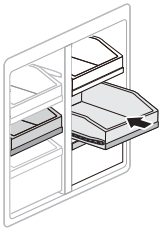
- The drawers are heavy. Always use two hands when removing or assembling the drawers to avoid product damage or personal injury.
- Always open the freezer doors completely before removing or assembling the drawers.

Assembling the Freezer Drawer

1 Open both freezer doors completely. Raise the front of the drawer slightly and insert the rollers on the drawer's sides into the guides in the freezer compartment.



2 Gently push the drawer in while lowering it into place.



⚠ CAUTION

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

TROUBLESHOOTING

Symptoms	Reason & Solution
There is no refrigeration or freezing.	**Is there a power interruption?** • Check the power of other appliances.
	If the power plug unplugged from the outlet? • Plug the power plug in the outlet properly.
There is poor refrigeration or freezing.	**Is the fridge or freezer temperature set to its warmest setting?** • Set the fridge or freezer temperature to 'Medium'.
	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 'Medium'.
	Did you put in food with a strong smell? • Store foods with strong smells in a 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.
The inside lamp in the appliance does not turn on.	**Does the inside lamp in the appliance turn off?** • It is not possible for customers to replace the inside lamp in the appliance as they are not serviceable. If the inside lamp does not turn on, please contact the LG Electronics customer information centre.
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 without force.

Symptoms	Reason & Solution
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, 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 appliance door until the door mullion is once again working properly. Adjust the right appliance door so it aligns with the left appliance door.
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 in the fridge or freezer compartment.
	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?** • Frost 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.

Symptoms	Reason & 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.
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.
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.
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

Symptoms	Reason & Solution
Popping noises	**Contraction and expansion of the inside walls due to changes in temperature.** • Normal Operation
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.
Your home appliance and smartphone is 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 SmartThinQ.
	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.

Memo


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