



OWNER'S MANUAL

FRIDGE & FREEZER

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

EN ENGLISH IW תירבע



MFL68680496
Rev.00_081718

www.lg.com

Copyright © 2018 LG Electronics Inc. All Rights Reserved.

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	11
Compartments	11
Notes for Movement and Transport	12
Notes for Installation	12
Dimensions and Clearances	13
Ambient Temperature	13
Removing the Doors and Drawer	14
Refitting the Doors and Drawer	16
Leveling and Door Alignment	16
Connecting the Water Line (For Plumbed models Only)	18
Replacing the Water Filter	18
OPERATION	20
Parts and Functions	20
Notes for Operation	22
Using Control Panel	24
Water and Ice Dispenser	26
Automatic Icemaker	27
Removing the Ice Storage Bin	27
Vegetable Drawer	28
Glide'N' Serve	28
Other Functions	29
SMART FUNCTIONS	30
Using LG SmartThinQ Application	30
Using Smart Diagnosis™	32
MAINTENANCE	33
Notes for Cleaning	33
Replacing the Hygiene Fresh Filter	34
Cleaning the Door Basket	35
Cleaning the Shelf	35
Cleaning the Vegetable Drawer	36
Cleaning the Water Dispenser	36
TROUBLESHOOTING	37

SAFETY INSTRUCTIONS

EN

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). Failure to do so may result in fire.
- Do not modify or extend the power cable.
- Avoid using any extension cords or double adaptor. 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. Failure to do so may result in electric shock or fire due to the heat of multi socket outlet. The power may be shut off when the circuit breaker is operated.
- 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.

- 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.
- In case of flood, disconnect the power plug and contact the LG Electronics customer information centre.
- Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- 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 as 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. 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 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 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.
- Refrigerant leaking out of the pipes could ignite or cause an explosion.
- 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.
- 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.

⚠ 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, as this may result in injury.
- 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. The basket may break or your hand may bump into the surrounding structure, causing injury.
- Keep food organized inside the appliance.
- 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. They may break if exposed to sudden temperature changes.
- Never eat frozen foods immediately after they have been taken out in the freezer compartment.
- Do not insert your hands into the mechanical part of the automatic icemaker such as the ice bin or the ice dispenser.
- Do not use a thin crystal cup or chinaware when dispensing.
- Do not remove the cover of the automatic icemaker. Touching any mechanical part of the automatic icemaker. It may result in injury.
- Make sure not to get a hand or foot stuck upon opening or closing the appliance 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.

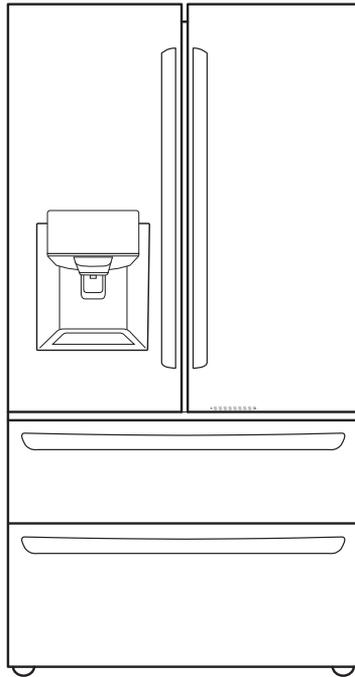
Maintenance

- Do not insert the shelves upside down. The shelves may fall, causing injury.
- To remove frost from the appliance, contact an LG Electronics customer information centre.
- Dispose of the ice inside the ice bin in the freezer compartment during an extended power outage.

INSTALLATION

EN

Compartments



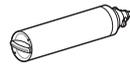
Spanner



Ring Sheet



Owner's Manual



Water Filter

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

Notes for Movement and Transport

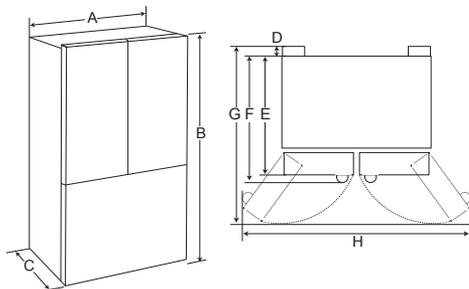
- Remove all food from inside the appliance. Then, transport the appliance only after fixing fragile parts such as shelves and the door handle with tape. Failure to do so may cause appliance damage.
- Pull the power plug out, insert and fix it into the power plug hook at the rear or on top of the appliance. Failure to do so may cause damage to the power plug or floor scratch.
- When transporting the appliance, more than two people should transport the appliance carefully. Dropping the appliance, which is extremely heavy, may cause personal injury or appliance failure.
- When transporting the appliance over a long distance, keep the appliance upright. The appliance may fall over, causing malfunctions. Never transport the appliance laying down as it can cause a refrigerant circulation malfunction when it is turned back on again.

Notes for Installation

- Install the appliance on a solid and flat area.
 - If the appliance is installed on an uneven floor, it can cause vibration and noise causing the appliance to fall resulting in injury. It could also cause the doors not to close correctly and introduce moisture inside the unit during operation.
 - If the appliance front or rear is not level, adjust the front feet so that it can be corrected. Severe cases may need the floor to be packed out with strips of thin timber.
- Avoid placing the unit near heat sources, direct sunlight or moisture.
- Connect the power supply cord (or plug) to the outlet. Don't double up with other appliances on the same outlet.
- After connecting the power supply cord (or plug) to the outlet, Wait two or three hours before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil.
- After installing the appliance, connect the power plug into a socket outlet. Before moving and discarding the appliance, disconnect the plug from the socket outlet.

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.



Modelo	Size
A	908 mm
B	1772 mm
C	921 mm
D	21 mm
E	842 mm
F	900 mm
G	1232 mm
H	1713 mm

Ambient Temperature

- The appliance is designed to operate within a limited range of ambient temperatures, depending on the climate zone. Do not use the appliance at a temperature exceeding the limit.
- 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 °C
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 °C and 43 °C.

Removing the Doors and Drawer

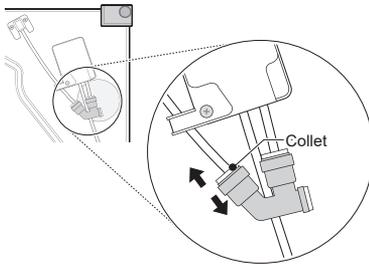
When it is necessary to move the appliance through a narrow opening, removing the doors is the recommended procedure.

⚠ WARNING

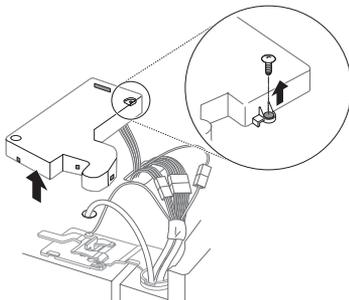
- Disconnect the power cord, house fuse or circuit breaker before installing or servicing the appliance. Failure to follow these instructions may result in death, fire or electric shock.

Removing the Fridge Doors

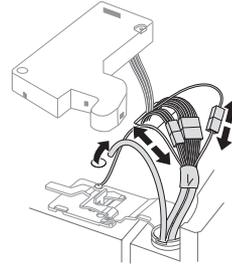
- 1 Remove the ring in the joint area. Hold the water supply connection and gently push the collet to detach the water supply line as shown.



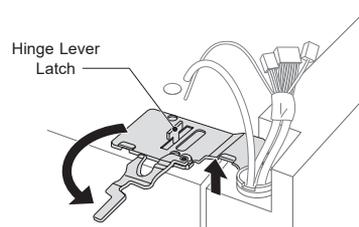
- 2 Remove the screw from the hinge cover at the top of the appliance. Lift the hook, located at the bottom of the front side of the cover with a flat-head screwdriver.



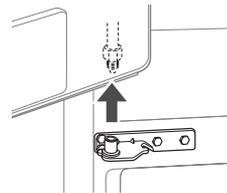
- 3 Remove the cover and pull out the tube. Disconnect all wire harnesses. Unscrew the ground wire.



- 4 Rotate hinge lever counterclockwise. Lift the top hinge free of the hinge lever latch.



- 5 Lift the door from the middle hinge pin and remove the door.



⚠ CAUTION

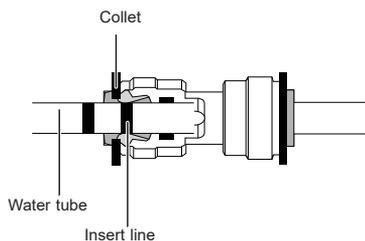
- When removing the upper hinge, be sure to support the door as it will fall forwards. It is recommended that two or more people carry out the door removal and refitting.
- When lifting the hinge free of the latch, be careful that the door does not fall forward.
- Place the door on a non-scratching surface with the inner side facing up.

NOTE

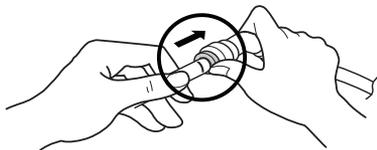
- When moving the left fridge door, be careful not to damage the water tubes. The doors should be laid down on a blanket in a safe area once they have been removed.
- If the water tube end is damaged, it should be trimmed to ensure it does not leak when refitted.



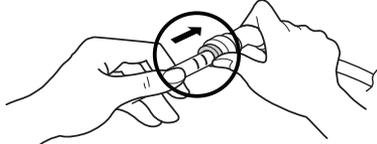
- While pressing the collet toward the tube connector, gently insert the water tube until only one line is visible. Pull on the water tube to make sure that the tube is tightly fastened.



<Correct>



<Incorrect>



Removing the Freezer Drawers

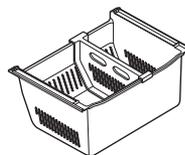
For models with two freezer drawers, remove both drawers in the same way.

The Pullout Drawer located above the freezer drawer is not shown for clarity.

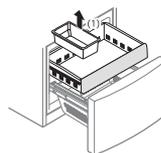
⚠ WARNING

To reduce the risk of electric shock, injury to persons, and death, follow basic precautions, including the following:

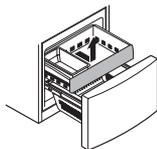
- Use two or more people to remove and install the refrigerator doors and freezer drawer.
- Be careful of sharp hinges on both sides of the drawer.
- When you lay the drawer down, be careful not to damage the floor.
- Do not sit or stand on the freezer drawer.
- To prevent accidents, keep children and 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.



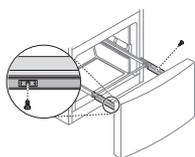
- 1 Pull the drawer open to full extension.
- 2 Gently lift and pull out the ice bin.



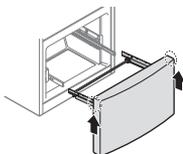
- 3** Lift the front of the drawer up, then pull it straight out.



- 4** Remove the screws from the rails at both ends.



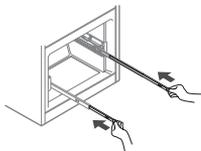
- 5** Grip both sides of the drawer and pull it up to remove it from the rails.



⚠ CAUTION

- Do not hold the handle when removing or replacing the drawer. The handle may come off, causing personal injury.

- 6** Hold both rails and push them in simultaneously.



Refitting the Doors and Drawer

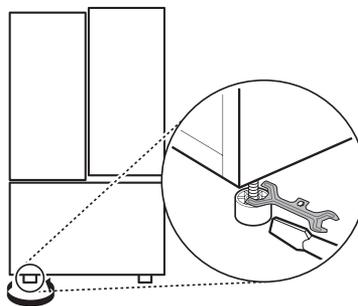
Mount the doors in the reverse sequence of their removal once the appliance has been passed through all access doors.

Leveling and Door Alignment

Leveling

The appliance has two front leveling 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 leveling 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 leveling 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 leveling legs to the left. It may take several more turns, and be sure to turn both leveling legs the same amount.

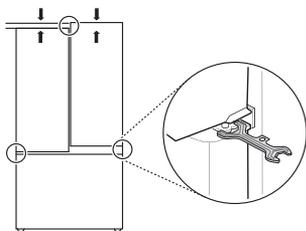
Door Alignment

Standard Door

Both the left and right refrigerator 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, follow the instructions below to align the doors evenly:

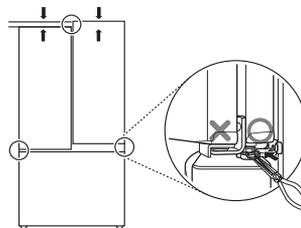
Use the wrench (included with the owner's manual) to turn the nut in the door hinge to adjust the height. Turn the nut to the right to raise the door or to the left to lower it.



The right refrigerator 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 With one hand, 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 it with the doors open.)
- 2 With the other hand, use pliers to insert the snap ring on the middle hinge of the inner door section as shown. Do not insert the ring on the hinge of the outer door section.
- 3 Insert additional snap rings until the right door is aligned. (Two snap rings are provided with the unit.)

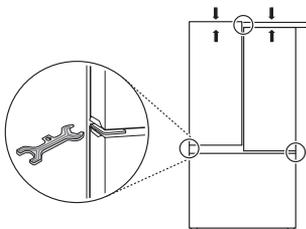


Door-in-Door

The left refrigerator 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 wrench (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.



Connecting the Water Line (For Plumbed models Only)

Accessories



Installation Parts



Water Tube

Water Supply Requirements

A cold water supply with water pressure between 138 kPa and 827 kPa (1.4-8.4 kgf/cm²) is required to operate the water dispenser. If the refrigerator is installed in an area with low water pressure (below 138 kPa), you can install a booster pump to compensate for the low pressure.

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 138 kPa to 827 kPa (1.4-8.4 kgf/cm²).

⚠ WARNING

- Unplug the appliance before carrying out any work on connecting the water line. Failure to do so may cause electric shock.
- Only connect the water line to a cold water supply. Failure to do so may cause the water filter to malfunction. Water hammer (water banging in the pipes) in house plumbing can cause damage to appliance parts and can lead to water leakage or flooding.
- Connecting the water line must only be installed by a qualified plumber and in accordance with local legislation and regulations governing water quality.

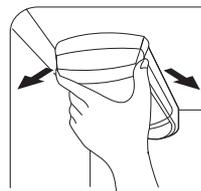
NOTE

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

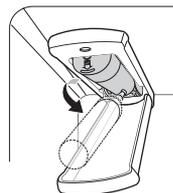
Replacing the Water Filter

To give you enough time to get a new filter, the light will come on just before the capacity of the current filter runs out. Changing the filter on time ensures that you always get fresh and clean water from the appliance.

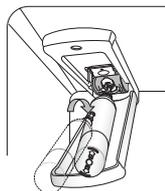
- 1 Unplug the appliance.
- 2 Turn off the water supply to the appliance.
- 3 Open the Water filter cover.



- 4 Remove the disposable water filter.



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



- 6** Close the Water filter cover.



- 7** Turn on the water supply and switch on the appliance.
- 8** Press and hold the **Water Filter** button for three seconds. That resets the Replacement Filter icon. The new water filter has been activated.

NOTE

Replace the disposable water filter when indicated on the **Replacement Filter** icon or at least every 6 months.

Connecting to the Appliance

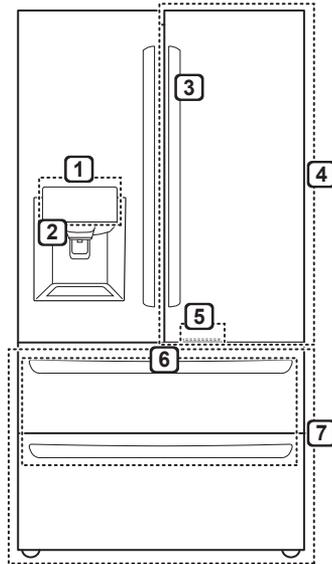
- 1** Remove the cap from the tube connector on the back side of the refrigerator.
- 2** Connect the installation tube to the connector.

Checking the Water Connection

- 1** Turn on the water supply and switch on the appliance. Carefully check all fittings for possible leaks due to poorly fitted hoses.
- 2** Press and hold the **Water Filter** button for three seconds. That resets the Replacement Filter icon. The new water filter has been activated.
- 3** Place a cup under the water dispenser to verify that water is flowing through the appliance.
- 4** Check the connecting tube and joints for leaks once again.

OPERATION

Parts and Functions



1 Control Panel

Sets the refrigerator and freezer temperatures, the water filter condition and the dispenser mode.

2 Filtered Water and Ice Dispenser

Dispenses purified water and ice.

3 Handle

Opens and closes the refrigerator door.

4 Refrigerator

Fresh food compartment.

5 LED Light

LED lights up when the freezer door is opened.

6 EZ Handle

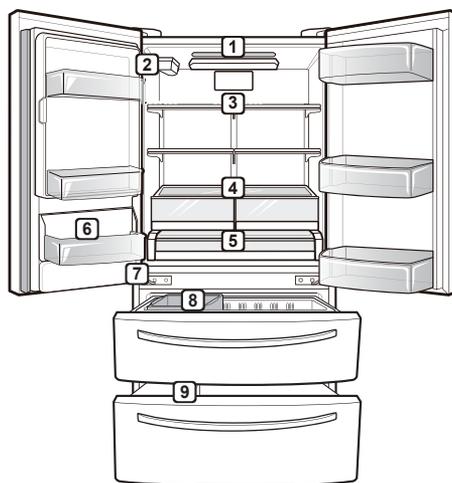
Easily opens the freezer door.

7 Freezer

Frozen food compartment

NOTE

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



1 LED interior lamps

Light up the inside of the refrigerator.

2 Water filter

Purifies water.

- The filter should be replaced every 6 months. See the Replacing the Water Filter section in this manual for details.

3 Adjustable Refrigerator Shelf

The refrigerator shelves are adjustable to meet individual storage needs.

4 Crisper

Helps vegetables and fruit to stay crisp.

Humidity Controlled Crisper (*)

Helps vegetables and fruit to stay crisp and controls humidity.

5 Glide 'N' Serve

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

6 Fixed Door Bin

Store chilled food or drinks.

7 Auto-Closing Hinge (*)

The refrigerator 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°.)

8 In-Door Ice Bin

If a large amount of ice is needed, transfer the ice in the in-door ice bin to an ice storage bin in the freezer.

9 Durabase® and Durabase® Divider

Provide storage for large food items.

NOTE

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

Notes for Operation

- Do not use the ice water dispenser tank for beverages other than drinking water.
- 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.
- Do not open or close the appliance door excessively.
- The LED lamp is only intended for use in domestic appliances and is not suitable for household room illumination.
- 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 appliance.
- Do not set the temperature of the appliance lower than needed. For ice making in normal climates, the freezer temperatures should be set to $-18\text{ }^{\circ}\text{C}$ or colder.
- Do not put food near the temperature sensor of the fridge compartment. Keep a distance of at least 3 cm from the sensor.
- Please 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. Fill less than 70 % of the space. 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.
- Always keep the appliance clean.
- 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 opening the doors, while the power is off.
 - When the power supply gets back to normal, check the condition of the food.

Max Freezing Capacity

- The Express Freeze function will allow the freezer to its maximum freezing capacity. This generally takes up to 24 hours, however, it will automatically turn off after a given time and can also be turned off manually at any given time.
- To get better air circulation, insert all inner parts like baskets, drawers, and shelves.

Maximum Storage

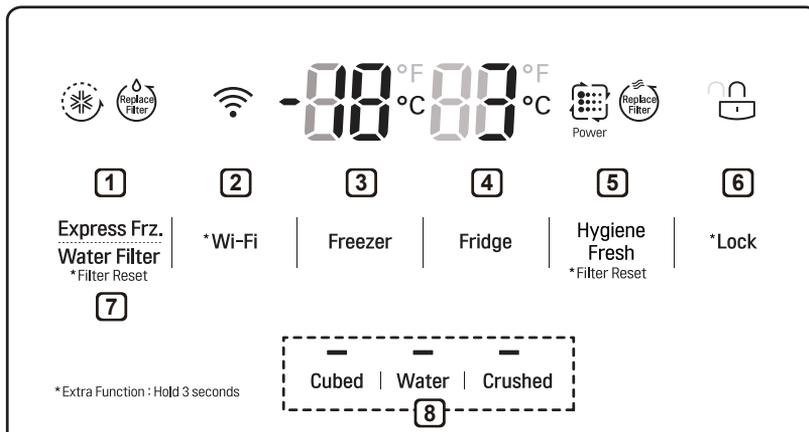
- To get better air circulation, insert all drawers.
- If large quantities of food are to be stored, all the freezer drawers shall be taken out of the appliance except the bottom one and the food shall be stacked directly on the freezer shelves in the freezer compartment.

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



1 Express Frz. (Express Freeze)

- This sets Express Freeze functions.

2 * Wi-Fi

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

3 Freezer

- This sets the freezer target temperature.

4 Fridge

- This sets the fridge target temperature.

5 Hygiene Fresh

- This sets the Hygiene Fresh function.

6 * Lock

- This locks the buttons on the control panel.

7 Water Filter

- After changing the filter, push and hold the **Water Filter** button for three seconds to reset the filter.

8 Water Dispenser

- This sets the function of Cubed ice, Water, Crushed ice.

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 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 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 1 °C to 8 °C
 - Freezer : from -13°C to -21 °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.
- 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.

Setting Hygiene Fresh

Bacteria and odor inside the appliance can be minimized with the Hygiene Fresh function. However, the function is only effective for bacteria floating in the appliance, not bacteria adsorbed onto food.

- Each time you press the **Hygiene Fresh** button, the Hygiene Fresh function mode will change to **Auto** → **Power** → **Auto** alternatively.

Setting and Resetting Lock

This locks the buttons on the control panel.

- Press and hold the **Lock** button for 3 seconds . When the Lock function is set, all buttons are locked.
- 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.
- 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.
- To change a setting, first press the **Lock** button for three seconds to disable the function.

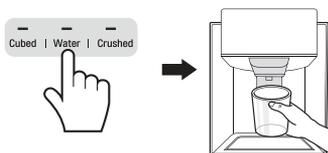
NOTE

- If you open the freezer door while water is being dispensed, the water supply will stop and the control panel will return to the initial screen.
- If you open the fridge door while water, cubed ice or crushed ice is being dispensed, dispensing will be paused. When you close the door, the selected item for the previously set mode will continue to be dispensed.
- If the cup rim is small, water may splash out of the glass or miss it completely.
- Use a cup with a rim of over 68 mm in diameter when dispensing water, cubed ice or crushed ice.
- When the ice maker produces smaller ice cubes, or the cubes become lumped together, the amount of water supplied to the ice maker may be low due to insufficient water in the water tank. If ice is not used frequently, it may also lump together.

Water and Ice Dispenser

You can dispense cubed ice, water and crushed ice by pressing the respective button for the desired mode.

- When you press the Cubed, Water or Crushed button on the control panel, the lamp on the control panel will turn on and the desired mode will be set. At this time, when you press the dispenser lever, the selected function (cubed ice, water and crushed ice) will be dispensed.
- The function is enabled and disabled in turn each time you press the button on the control panel.



⚠ CAUTION

- Keep children away from the dispenser to prevent children playing with or damaging the controls.
- Throw away the first few batches of ice (about 20 cubes and 7 cups of water). This is also necessary if the appliance has not been used for a long time.

Automatic Icemaker

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

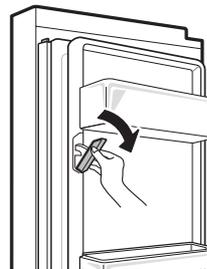
- If the ice bin is completely filled with ice, ice production will stop.
- Sound of ice dropping into the ice bin is normal.
- The icemaker produces ice normally when approximately 48 hours have passed after the appliance is initially installed.
- Discard ice produced for the first time without using it.
- While the automatic icemaker is operating, do not touch it with your hands directly.
- If ice cubes are stored in the ice bin for a long period of time, they may clump together and may not be separated easily. In such a case, clean the ice bin before using it.

Turning the Automatic Icemaker On or Off

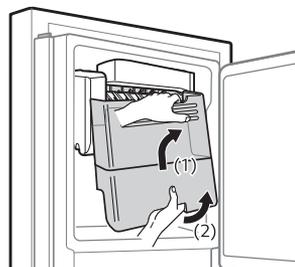
To turn off the automatic icemaker, set the icemaker switch to **OFF (O)**. To turn on the automatic icemaker, set the switch to **ON (I)**.

Removing the Ice Storage Bin

- 1 Gently pull the handle to open the ice compartment.



- 2 To remove the in-door ice bin, grip the front handle, lift up slightly while holding both the top and bottom parts (1), and slowly pull out the bin as shown (2).



⚠ WARNING

- Do not touch the automatic icemaker's mechanical parts with your hand or a tool. Otherwise, appliance damage or injury may occur.
- Caution should be taken, as the automatic icemaker operates continuously after the freezer door is opened when the automatic icemaker switch is set to the on position.
- Do not disassemble, repair or alter the automatic icemaker. These tasks should only be done by a service technician.

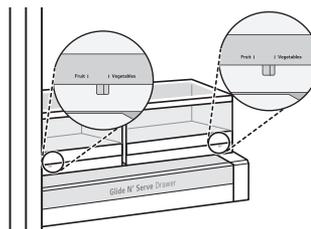
⚠ CAUTION

- Throw away the first few batches of ice (about 20 cubes and 7 cups of water). This is also necessary if the appliance has not been used for a long time.
- The first ice and water dispensed may include particles or odor from the water supply line or the water tank.
- Keep children away from the dispenser. Children may play with or damage the controls.
- The ice passage may become blocked with frost if only crushed ice is used. Remove the frost that accumulates by removing the ice bin and clearing the passage with a rubber spatula. Dispensing cubed ice periodically can also help prevent frost buildup.
- If discolored ice is dispensed, check the water tank and the water supply for a possible source. If the problem continues, contact the LG Electronics customer information centre. Do not use the ice or water until the problem is corrected.
- Dispense ice into a glass before filling it with water or other beverages. Splashing may occur if ice is dispensed into a glass that already contains liquid.
- Do not touch the ice outlet or the automatic icemaker with your hand or a tool. Otherwise, appliance damage or injury may occur.
- When refitting the ice bin, ensure that it is placed correctly. If it is tilted or unlevel, it may not continue to make ice due to sensor disruption.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage, affecting the performance of the appliance.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.
- Dispose of the ice inside the ice bin in the freezer compartment if you go on vacation or if an extended power outage occurs. Water from melting ice may drop from the dispenser onto the floor.

Vegetable Drawer

You can control the amount of humidity in the moisture-sealed crispers. Store vegetables or fruits requiring more or less humidity in separate crispers. Adjust the control to any setting between Vegetables and Fruit.

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



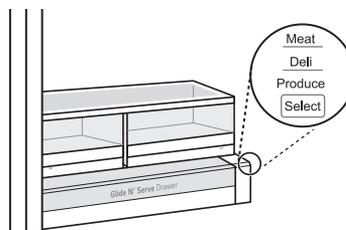
⚠ CAUTION

- The glass shelf over the crisper may not be firmly secured. Be careful when tilting.

Glide'N' Serve

The Glide'N'Serve provides storage space with available temperature. This drawer can be used for large party trays, deli items, or beverages. (this drawer should not be used for vegetables as they will freeze.)

Set the control lever to COLD to provide normal fridge temperature. Use the COLDER setting for meats or other deli items.



Other Functions

Door Open Alarm

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

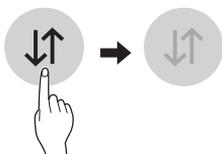
- Contact the LG Electronics customer information centre if the alarm sound continues even after closing the door.

Using LG SmartThinQ Application

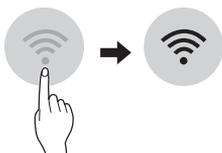
- For appliances with the  or  logo

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



- 3 Connect your smartphone to the wireless router.



NOTE

- To verify the Wi-Fi connection, check that **Wi-Fi**  icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.

- LG 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.

Wi-Fi Function

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 refrigerator 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 refrigerator to connect to a home Wi-Fi network. The **Wi-Fi** icon shows the status of the refrigerator's network connection. The icon illuminates when the refrigerator 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

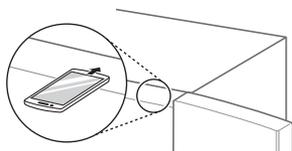
Use this function if you need an accurate diagnosis by an LG Electronics customer information centre when the appliance malfunctions or fails. Use this function only to contact the service representative, not during normal operation.

- 1 Press the **Lock** button to activate the lock function.
 - If the lock function has been activated already, press the **Lock** button to deactivate the lock function, and then press the **Lock** button again to activate the lock function.
 - Please note that the Smart Diagnosis function will not operate until five minutes has passed since the lock function was activated.

* Lock



- 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.

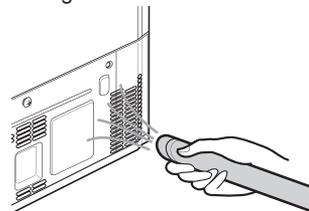
Notes for Cleaning

- 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, warm or improperly plugged.
- 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.



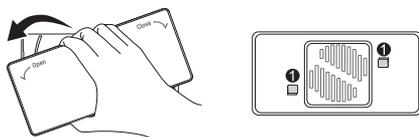
Replacing the Hygiene Fresh Filter

To maintain the performance of the Hygiene Fresh filter, if a message indicating the filter replacement is displayed, replace the filter as soon as possible.

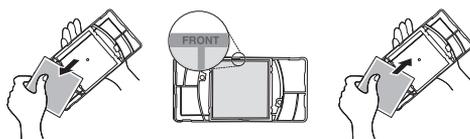
- 1 If **Replace Filter** icon lights on the control panel, replace the Hygiene Fresh filter.



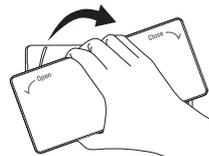
- 2 Hold and remove the Hygiene Fresh filter cover by rotating it counterclockwise until the hooks ① are separated completely.



- 3 Remove the filter inside the Hygiene Fresh filter cover and replace it with a new filter.



- 4 Hold and refit the air filter cover by rotating it clockwise until the hooks are engaged completely.



- 5 To reset the filter replacement period, press the **Hygiene Fresh** button on the control panel for more than 3 seconds. The **Replace Filter** icon on the control panel will turn off. It will operate after replacing the filter.



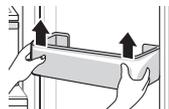
NOTE

- Be careful not to catch your finger when mounting the filter. Doing so may result in injuries or malfunctions.
- If the replacement period has passed, the bacteria and odor removal performance may deteriorate.
- Note that if you wash the filter with water, the filter performance may also deteriorate.
- Caution should be taken not to change the direction of the filter to be inserted into the filter cover.
- When setting the appliance to On or Power mode after replacing the filter, check if the LED lamp near the filter is on.
- The filter can be purchased from an LG Electronics customer information centre.

Cleaning the Door Basket

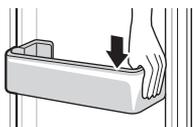
Removing the Fridge/Freezer Door Basket

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

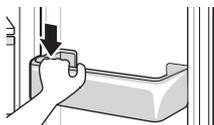


Refitting the Fridge/Freezer Door Basket

- 1 Hold both edges of the door basket, gently push one edge to assemble, and then in the same manner assemble the other edge.



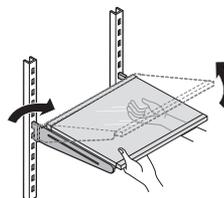
- 2 After assembling, tap the door basket gently to fix it horizontally.



Cleaning the Shelf

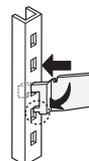
Removing the Fridge Shelf

Tilt up the front of the shelf and lift it straight up. Pull the shelf out.



Refitting the Fridge Shelf

Tilt the front of the shelf up and guide the rear shelf hooks into the slots at the desired height. Then, lower the front of the shelf so that the hooks drop into the slots.



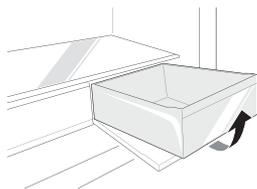
⚠ CAUTION

- 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.

Cleaning the Vegetable Drawer

Removing the Vegetable Drawer

- 1 Fully open the fridge door.
- 2 Lift and pull the front of the fresh vegetable drawer box until pull it out.



CAUTION

- Please note that injuries can be caused by the weight of stored food items when removing the vegetable drawer.

Refitting the Vegetable Drawer

Mount them in the reverse order of the removal process.

Cleaning the Water Dispenser

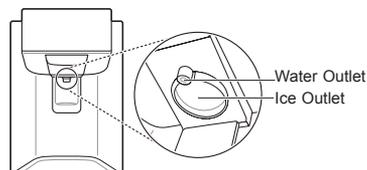
Cleaning the Dispenser Tray

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



Cleaning the Water and Ice Outlet

Wipe the water or ice outlet frequently with a clean cloth as it may get dirty easily. Please note that lint from a cloth may adhere to the outlet.



TROUBLESHOOTING

EN

Symptoms	Reason	Solution
There is no refrigeration or freezing.	Is there a power interruption?	<ul style="list-style-type: none"> • Check the power of other appliances.
	If the power plug unplugged from the outlet?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • Check the installation area and reinstall it away from heat generating objects.
	Did you store hot food without cooling it first?	<ul style="list-style-type: none"> • Cool the hot food first before putting it in the fridge or freezer compartment.
	Did you put in too much food?	<ul style="list-style-type: none"> • Maintain an appropriate space between food.
	Are the appliance doors completely closed?	<ul style="list-style-type: none"> • Completely close the door and make sure that stored food is not obstructing in the door.
	Is there enough space around the appliance?	<ul style="list-style-type: none"> • 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'?	<ul style="list-style-type: none"> • Set the fridge or freezer temperature to 'Medium'.
	Did you put in food with a strong smell?	<ul style="list-style-type: none"> • Store foods with strong smells in a sealed containers.
	Vegetables or fruit may have spoiled in the drawer?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • 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.

Symptoms	Reason	Solution
The appliance door is not closed tightly.	Is the appliance leaning forward?	<ul style="list-style-type: none"> Adjust the front feet to raise the front side slightly.
	Were the shelves properly assembled?	<ul style="list-style-type: none"> Refit the shelves if needed.
	Did you close the door with excessive force?	<ul style="list-style-type: none"> 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.
It is difficult to open the appliance door.	Did you open the door right after you closed it?	<ul style="list-style-type: none"> 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 leveling legs extended, appliance level, and doors aligned?	<ul style="list-style-type: none"> 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 leveling 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?	<ul style="list-style-type: none"> Cool the hot food first before putting it inside the fridge or freezer.
	Did you leave the appliance door open?	<ul style="list-style-type: none"> 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?	<ul style="list-style-type: none"> 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?	<ul style="list-style-type: none"> Store food in a covered or sealed container.

Symptoms	Reason	Solution
Frost has formed in the freezer compartment.	Doors may not be closed properly?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • Make sure that air entry or exit is not blocked so that the air can circulate inside.
	Is the freezer compartment overfilled?	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • Frost or condensation can form if the outside air penetrates inside the appliance.
	Is the installation environment humid?	<ul style="list-style-type: none"> • Condensation can appear on the exterior of the appliance if the installation area is too humid or on a humid day such as a rainy day. Wipe off any moisture with a dry cloth.
The appliance is noisy and generates abnormal sounds.	Is the appliance installed on a weak floor or improperly leveled?	<ul style="list-style-type: none"> • Install the appliance on a solid and flat area.
	Does the rear of the appliance touch the wall?	<ul style="list-style-type: none"> • Adjust the installation position to allow enough clearance around the appliance.
	Are objects scattered behind the appliance?	<ul style="list-style-type: none"> • Remove the scattered objects from behind the appliance.
	Is there an object on top of the appliance?	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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?	<ul style="list-style-type: none"> • Check if the water has leaked from a sink or another place.
	Is there water on the bottom of the appliance?	<ul style="list-style-type: none"> • Check if the water is from the thawed frozen food or a broken or dropped container.

Symptoms	Reason	Solution
The automatic icemaker does not produce ice or produces a small amount of ice.	Did you install the appliance recently?	<ul style="list-style-type: none"> The ice maker produces ice normally when approximately 48 hours have passed after the appliance is installed.
	Did you connect the water supply pipe to the appliance and open the supply valve?	<ul style="list-style-type: none"> Connect the water supply pipe to the appliance and open the supply valve completely.
	Is the water supply hose bent?	<ul style="list-style-type: none"> If the water supply hose is bent, the water flow could be compromised.
	Have you dispensed a large amount of ice recently?	<ul style="list-style-type: none"> It takes approximately 24 hours to produce more ice in the automatic icemaker. Please wait.
	Did you set the ice maker switch or the automatic icemaker button on the control panel to ON?	<ul style="list-style-type: none"> Press I on the automatic icemaker switch or set ON for the automatic icemaker button on the control panel. (For more details on how to use, visit LG electronics website or use your smart device.)
	Is the temperature of the freezer compartment set too high?	<ul style="list-style-type: none"> If the set temperature is too warm, ice will be produced slowly or not at all. Set the Freezer temperature to -18 °C for normal operation of the automatic icemaker.
	Have you been opening the appliance door frequently?	<ul style="list-style-type: none"> If you open the appliance door frequently, cold air will escape, lowering the speed of ice production. Do not open and close the appliance door frequently.
	Is the appliance door completely closed?	<ul style="list-style-type: none"> If the appliance door is not completely closed, the temperature of the freezer compartment will increase, slowing down the ice production speed. Close the appliance door completely.
Ice is not dispensed.	Is there ice in the ice bin?	<ul style="list-style-type: none"> Check whether there is ice in the ice bin.
	Is the ice clumped in the ice bin?	<ul style="list-style-type: none"> Separate the ice bin and shake it. Discard the remaining clumped ice after shaking the ice bin.

Symptoms	Reason	Solution
Ice is not dispensed.	Unable to hear the sound of ice coming out?	<ul style="list-style-type: none"> In the control panel, select the modes for cubed ice and crushed ice alternately to dispense the ice.
	Is the ice path blocked? (You can check the ice passage by separating the ice bin.)	<ul style="list-style-type: none"> Ice may not be dispensed properly if the ice passage is blocked. Check the ice and clean the ice path regularly.
Water does not come out.	The supply valve may be turned off? (For Plumbed models Only)	<ul style="list-style-type: none"> Open the water supply valve.
	The water dispenser tank may be empty? (Non plumbed models only)	<ul style="list-style-type: none"> Fill the water dispenser tank.
	Is the water supply valve closed? (For Plumbed models Only)	<ul style="list-style-type: none"> Open the water supply valve.
	Are you using unfiltered water?	<ul style="list-style-type: none"> Unfiltered water can contain a large amount of various heavy metals or foreign substances, so the filter may be clogged in the early stage regardless of the life of the filter.
Water tastes strange.	Is the taste of water different when comparing it with the taste of water from the previous water purifier?	<ul style="list-style-type: none"> Has the purified water or cold water not been used for an extended period of time?
	Has it been a long time since you installed and replaced the filter?	<ul style="list-style-type: none"> If an expired filter is used, the purification performance may decline. It is recommended to replace the filter according to the filter replacement period.
	Have you flushed out the filter properly in the initial stage after installing it?	<ul style="list-style-type: none"> When you install or replace the filter for the first time, you need to remove air and activated carbon residue from inside the filter. Use the appliance after dispensing and discharging approximately 5 litres of purified water from the dispenser by pressing the water dispensing lever. (Activated carbon is harmless to humans.)
	Has the purified water or cold water not been used for an extended period of time?	<ul style="list-style-type: none"> The taste of old water may change due to bacterial growth. Use the product after dispensing and discharging approximately 5 litres (approximately three minutes) from the water dispenser.

Symptoms	Reason	Solution
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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Normal Operation
	Appliance is not resting evenly on the floor.	<ul style="list-style-type: none"> • Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Appliance with linear compressor was moved while operating.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Normal Operation
	Air is being forced over the condenser by the condenser fan.	<ul style="list-style-type: none"> • Normal Operation
Gurgling noises	Appliance flowing through the cooling system	<ul style="list-style-type: none"> • Normal Operation
Popping noises	Contraction and expansion of the inside walls due to changes in temperature.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • To eliminate the noise, make sure that the sides and back do not make any contact with any wall or cabinet.

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