LG
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ENGLISH
FRANÇAIS
ESPAÑOL

OWNER'S MANUAL

BOTTOM FREEZER FRIDGE

Please read this owner's manual thoroughly before operating and keep it handy for reference at all times.

GLS8848SC/GMJ916NSHV/GML916NSHV

MFL69002227_Rev.01

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ENGLISH

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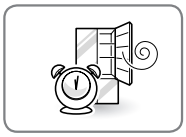
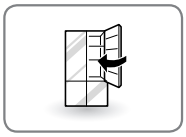
PRODUCT FEATURES

* Depending on the model, some of the following functions may not be available.



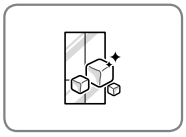
DOOR ALARM

The Door Alarm function is designed to prevent malfunctions that could occur if a fridge door or freezer door remains open. If a fridge door or freezer door is left open for more than 60 seconds, a warning alarm sounds in 30 second intervals until it is closed.



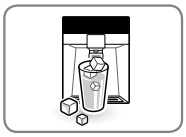
AUTO CLOSING HINGE

The fridge doors close automatically with a slight push.



EXPRESS FREEZE

The freezer section is maintained at the coldest temperature for a 24-hour period before automatically resuming normal operation. The freezer display temperature will not change when Express Freeze is engaged. It will also enhance ice production whilst it is on.



FILTERED WATER AND ICE DISPENSER

The water dispenser dispenses fresh, chilled water.
The ice dispenser dispenses cubed and crushed ice.

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IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

This guide contains many important safety messages. Always **read and obey** all safety messages.

⚠ This is the safety alert symbol. It alerts you to safety messages that inform you of hazards that can kill or hurt you or others, or cause damage to the product.

All safety messages will be preceded by the safety alert symbol and the hazard signal word WARNING or CAUTION. These words mean:

⚠ WARNING You can be killed or seriously injured if you do not follow instructions.

⚠ CAUTION Indicates an imminently hazardous situation which, if not avoided, may result in minor or moderate injury, or product damage.

⚠ WARNING

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- 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. When disposal, please consult with service agent or a similarly qualified person.
- Use non-flammable cleaner. Failure to do so can result in fire, explosion, or death. Always remove power cord from the wall outlet prior to cleaning in the vicinity of electrical parts (lamps, switches, covers, controls, etc.).
- Wipe up excess moisture with a sponge or cloth to prevent water or Liquid from getting into any electrical part and causing an electric shock.

This appliance contains a small amount of isobutane refrigerant (R600a), natural gas with high environmental compatibility, 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 squirting out of the pipes could ignite or cause an eye injury. 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 may be sited depends on the amount of refrigerant used. The room must be $1m^2$ in size for every 8g 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.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

⚠ WARNING

Power

- NEVER unplug your fridge by pulling on the power cord. Always grip the plug firmly and pull it straight out from the outlet.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard. Do not use a cord that shows cracks or abrasion damage along its length or at either the plug or connector end.
- Do not use an uncertified power outlet.
- Unplug the power plug immediately in the event of a blackout or thunderstorm.
- Plug in the power plug with the power cord facing downward.

Installation

- Contact an authorized service center when you install or relocate the fridge.
- When moving your fridge away from the wall, be careful not to roll over or damage the power cord.
- Connect this product to a dedicated grounded electric outlet conforming with the rating prior to use. It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not install the fridge where there may be a danger of it falling. Installation on a non sturdy timber floor may cause difficulty in door alignment and cause the cabinet to deform.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- Use two or more people to move and install the fridge. Failure to do so can result in back or other injury.
- To reduce the risk of electric shock, do not install the fridge in a wet or damp area. Do not install in any outdoor or sheltered outdoor location or direct sunlight.
- Only use the new hose-sets supplied with the appliance and do not reuse the old hose-sets.
- The water pressure must be 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter.

Use

- DO NOT allow children to climb, stand, or hang on the fridge doors or shelves in the fridge. They could damage the fridge and seriously injure themselves.
- Where fitted, do not place heavy objects on the dispenser of the fridge or hang onto it.
- Do not place heavy or dangerous objects (bottles or vases with liquid) on the fridge. It may fall or spill and cause injury, fire, or electric shock when opening or closing the door.
- Do not put live animals inside of the fridge.
- Do not allow children to climb into the product when it is in or out of use.
- In the event of a gas leak (propane/LPG), ventilate sufficiently and contact an authorized service center before use. Do not touch or disassemble the electric outlet of the fridge.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- In the event of a refrigerant leak, move flammable objects away from the fridge. Ventilate sufficiently and contact an authorized service center.
- Do not use or place flammable substances (chemicals, medicine, cosmetics, etc) near the fridge or store them inside the fridge. Do not place the fridge in the vicinity of flammable gas.
- This appliance is intended to be used in household and similar applications such as
  - staff kitchen areas in shops, offices and other working environments
  - farm houses and by clients in hotels, motels and other residential type environments
  - bed and breakfast type environments
  - catering and similar non-retail applications.
- This appliance has an incorporated ice-maker installed by the manufacturer. If you have any problem with this feature, please contact an authorised service conter.
- Do not use this product for special purposes or mobile applications (storage of medicine or test materials or on ships, etc).
- Unplug the power plug before cleaning or repairing the fridge.
- If the fridge is fitted with light bulbs and require replacing, unplug the fridge or turn off the power before doing so.
- Do not modify or extend the power cord.
- Do not use a hair dryer to dry the interior. Do not light a candle to remove any interior odor.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- For your safety, this appliance must be properly grounded. Have the wall outlet and the circuit checked by a qualified electrician to make sure the outlet is properly grounded.
- Do not use an outlet that can be turned off via a remote switch. Do not use an extension cord. It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.
- Do not use an adapter plug and plug the power plug into a multi-outlet extension cord.
- Disconnect the power cord immediately if you hear a noise, smell a strange odor or detect smoke.
- Turn the power off if dust or water from above or below penetrates into the fridge. Call a service agent.
- Do not disassemble or modify the fridge.
- Do not put hands, feet, or metal objects below or behind the fridge.
- Do not operate the fridge or touch the power cord with wet hands.
- In fridges with automatic icemakers, avoid contact with the moving parts of the ejector mechanism or with the heating element that releases the cubes. Do not place fingers or hands on the automatic ice-making mechanism while the fridge is plugged in.
- When dispensing ice from the dispenser, do not use crystal ceramics.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- Do not touch the cold surfaces in the freezer compartment with wet or damp hands, when your fridge is in operation.
- Do not put glass containers, glass bottles or beverage cans in the freezer.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- (For CENELC countries) This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or been given instructions concerning the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- CENELEC countries: AT, BE, BG, HR, CY, CZ, DK, EE, FI, MK, FR, DE, GR, HU, IS, IE, IT, LV, LT, LU, MT, NL, NO, PL, PT, RO, SK, SI, ES, SE, CH, TR, GB
- (For IEC countries) 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 are supervised or been given instructions concerning the use of the appliance by a person responsible for their safety. Children shall not play with the appliance.
- Do not refreeze frozen foods that have thawed completely. It may result in serious health issues.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

- If you are throwing away your old fridge, make sure the CFC coolant is removed for proper disposal by a qualified servicer. If you release CFC coolant, you may be fined or imprisoned in accordance with the relevant environmental law.
- Disposed or abandoned fridges are dangerous, even if they are sitting for only a few days. When disposing the fridge, remove the packing materials from the door or take off the doors but leave the shelves in place so that children may not easily climb inside.
- If the refrigerant gas has leaked, do not touch the fridge or the power outlet and ventilate the room immediately. A spark could trigger an explosion causing a fire or burns. Because this fridge uses natural gas (isobutene, R600a) as the environment-friendly refrigerant, even a small amount (50~60g) is combustible. If gas leaks from severe damage during delivering, installing or using the fridge, any spark may cause fire or burns.

⚠ CAUTION

Installation

- The fridge must be properly installed in accordance with the Installer Instructions that were taped to the front of the fridge.
- Be careful when you unpack and install the fridge. Immediately dispose of packing materials (plastic) out of reach of children.

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

To reduce the risk of fire, electric shock, or personal injury when using your product, basic safety precautions should be followed, including the following.

Use

- Close the doors carefully when children are around.
- Keep fingers out of pinch point areas; clearances between the doors and cabinets are necessarily small. Be careful closing doors when children are in the area.
- If food is stacked or stored poorly on the shelves, it may fall and cause injury when the door is opened.
- Do not move fridge while the fridge is operating.
  A Compressor rattling noise may occur as a result and will only stop when the compressor cycles off, or when the power to the unit is turned off and back on again. (This is normal and will not impact on the performance or the life of the compressor. The rattling will stop after the compressor comes to a rest.)

Maintenance

- Do not use strong detergents like wax or thinners for cleaning. Clean with a soft fabric.
- Wipe foreign objects (dust, water, etc) off the prongs of the power plug and contact areas before connecting.

⚠ WARNING

- Use drinkable water for ice making.
- Connect to the main water supply only.

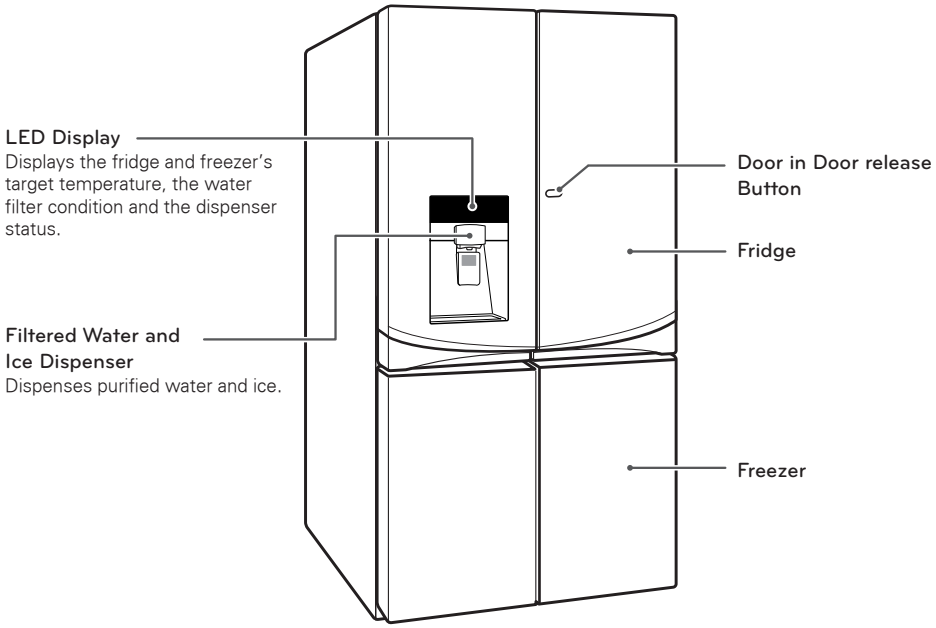
SAVE THESE INSTRUCTIONS

COMPONENTS

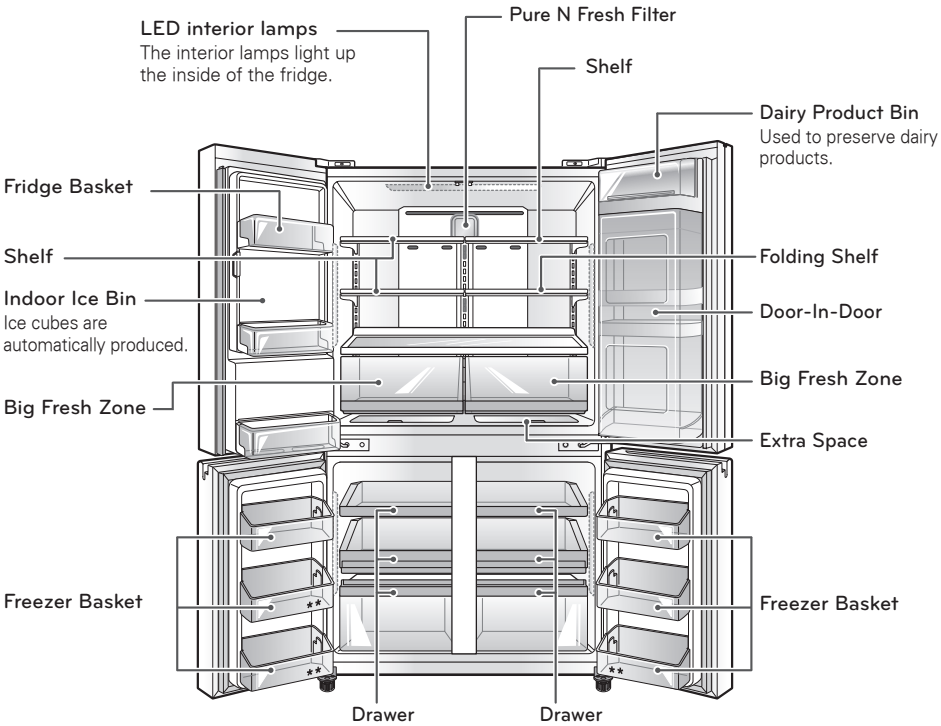
Use this page to become more familiar with the parts and features of your fridge.
Page references are included for your convenience.

*The appearance and specifications of the actual product may differ depending on the model.

Fridge Exterior (Applicable to some models only)



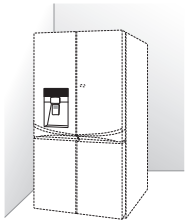
Fridge Interior (Applicable to some models only)



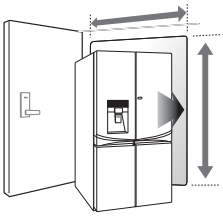
INSTALLATION

Installation Overview

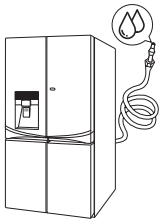
Please read the following installation instructions first after purchasing this product or transporting it to another location.



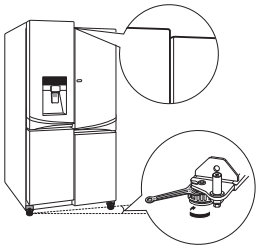
1 Unpacking your fridge



2 Choosing the proper location



3 Connecting the water supply and water line



4 Leveling and Door Alignment

SUGGESTIONS FOR ENERGY SAVING

- Please do not keep the door open for a long time, when using, close the door as soon as possible.
- It is not advised to overcrowd your fridge. Enough space should be left for cool air to circulate.
- Do not set the temperature of the fridge lower than needed. Do not put the food near the temperature sensor.
- Allow hot food to cool prior to storing. Placing hot food in the fridge-freezer could spoil other food, and lead to higher energy consumption.
- Do not block air vents with food. Smooth circulation of cold air keeps fridge-freezer temperature constant.
- Do not open the door frequently. Opening the door lets warm air enter the fridge-freezer, an causes the temperature to rise.

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Unpacking Your Fridge

WARNING

- Use two or more people to move and install the fridge. Failure to do so can result in back or other injury.
- Your fridge is heavy. When moving the fridge for cleaning or service, be sure to protect the floor. Always pull the fridge straight out when moving it. Do not wiggle or walk the fridge when trying to move it, as floor damage could occur. Wind the leveling feet up first so that the unit is on its rollers.
- Keep flammable materials and vapors, such as gasoline, away from the fridge. Failure to do so can result in fire, explosion, or death.

Remove tape and any temporary labels from your fridge before using. Do not remove any warning-type labels, the model and serial number label, or the Tech Sheet that is located under the front of the fridge.

To remove any remaining tape or glue, rub the area briskly with your thumb. Tape or glue residue can also be easily removed by rubbing a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry.

Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your fridge.

Fridge shelves are installed in the shipping position. Please reinstall shelves according to your individual storage needs.

Choosing the Proper Location

- Select a place where a water supply can be easily connected for the automatic icemaker.

NOTE

The water pressure must be 20 – 120 psi or 138 – 827 kPa or 1.4 – 8.4 kgf/cm².
If the fridge is installed in an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.

- The fridge should always be plugged into its own individual properly grounded electrical outlet rated for 230 Volts, 50 Hz, AC only, and fused at 15 or 20 amperes. This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires. It is recommended that a separate circuit serving only this appliance be provided.

WARNING

To reduce the risk of electric shock, do not install the fridge in a wet or damp area.
do not install in any outdoor or sheltered outdoor location or direct sunlight.

Flooring

To avoid noise and vibration, the unit must be leveled and installed on a solidly constructed floor. If required, adjust the leveling legs to compensate for unevenness of the floor. The front should be slightly higher than the rear to aid in door closing. Leveling legs can be turned easily by tipping the cabinet slightly. Turn the leveling legs to the left to raise the unit or to the right to lower it. Poorly constructed timber flooring can cause a limit in door adjustment and the cabinet to become out of shape. (See Leveling and door Door Alignment.)

NOTE

Installing on carpeting, soft tile surfaces, a platform or weakly supported structure is not recommended.

Ambient Temperature

Install this appliance in an indoor area where the temperature is between 13°C and 43°C. If the temperature around the appliance is too low or high, the cooling ability may be adversely affected.

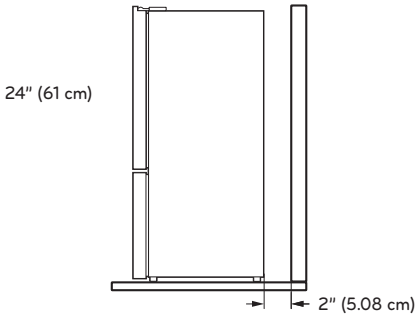
1 Place your appliance where it is easy to use.

2 Avoid placing the unit near heat sources, direct sunlight or moisture.

3 To ensure proper air circulation around the fridge-freezer, please maintain sufficient space on both the sides as well as top and maintain at least 2 inches (5.08 cm) from the rear wall.

4 To avoid vibrations, the appliance must be leveled.

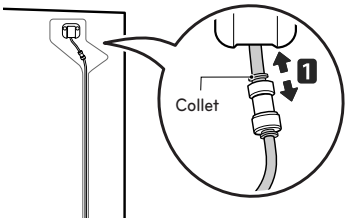
5 in temperatures below 5°C. It may affect the performance.



How to Remove the Fridge Door

Removing the Left Fridge Door

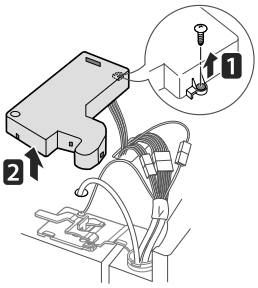
1 The water supply is connected to the upper right part of the rear surface of the fridge. Remove the ring in the joint area. Hold the water supply connection and gently push the Collet to detach the water supply line as shown in 1.



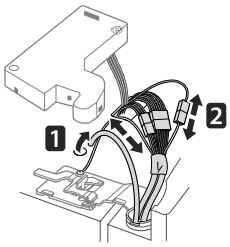
NOTE

Detachment of the water supply line is applicable only when detaching the left fridge door.

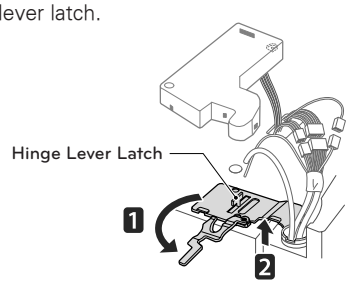
2 Remove the 1 screw from the hinge cover at the top of the fridge. Lift the hook (not visible), located at the bottom of the front side of the cover 2 with a flat-head screwdriver.



3 Remove the cover and pull out the tube ❶. Disconnect all wire harnesses ❷.



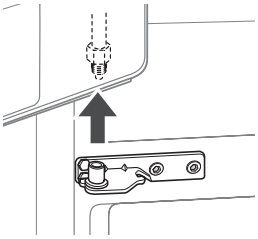
4 Rotate the hinge lever counterclockwise ❶. Lift the top hinge ❷ free of the hinge lever latch.



CAUTION

When lifting the hinge free of the latch, be careful that the door does not fall forward.

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

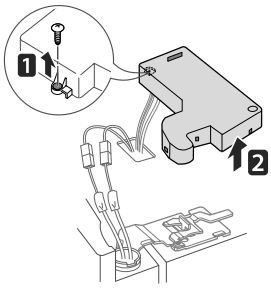


CAUTION

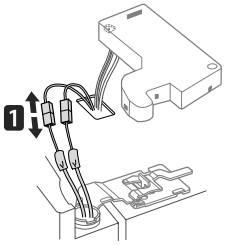
Place the door, inside facing up, on a non-scratching surface.

Removing the Right Fridge Door

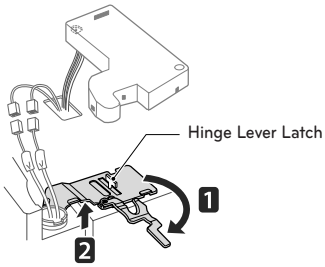
1 Remove the top hinge cover screw ❶. Lift the hook (not visible), located at the bottom of the front side of the cover ❷, with a flat-head screwdriver.



2 Detach the wire harness ❶.



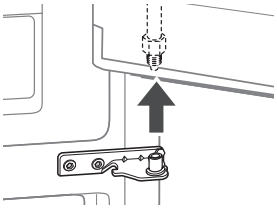
3 Rotate the hinge lever ❶ clockwise.
Lift the top hinge ❷ free of the hinge lever latch.



CAUTION

When lifting the hinge free of the hinge lever latch, be careful that the door does not fall forward.

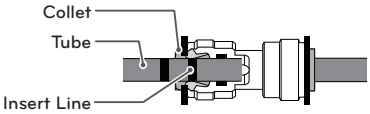
4 Lift the door from the middle hinge pin and remove the door.



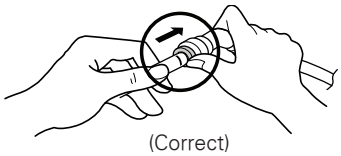
CAUTION

Place the door, inside facing up, on a non-scratching surface.

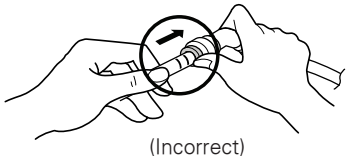
NOTE



1) Gently insert the tube until only one line shows on the tube.



(Correct)



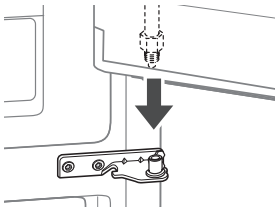
(Incorrect)

2) Pull the tube to make sure that the tube is tightly fastened.

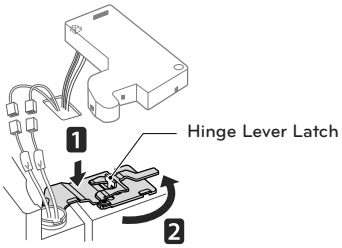
Assembling the Right Fridge Door

Install the right-side door first.

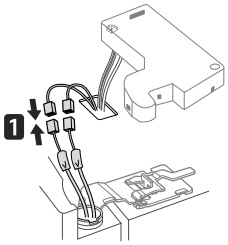
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Lower the door onto the middle hinge pin as shown in the figure.



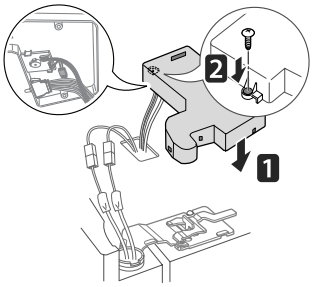
2 Fit the hinge ❶ over the hinge lever latch and slot it into place. Rotate the lever ❷ counterclockwise to secure the hinge.



3 Connect the wire harness ❶.



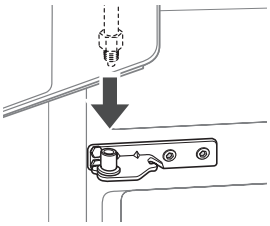
4 Make sure that the door-switch located inside the cover is tightly connected. Position the cover in its place. Insert and tighten the cover screw ❷.



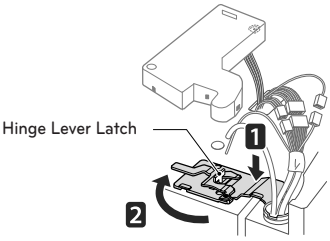
Assembling the Left Fridge Door

Install the left fridge door after the right door is installed.

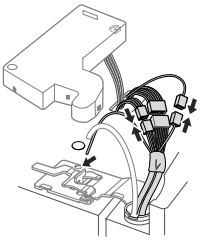
1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the fridge door onto the middle hinge.



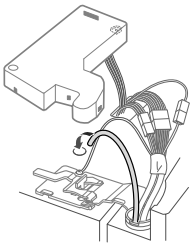
2 Fit the hinge 1 over the hinge lever latch and slot it into place. Rotate the lever clockwise 2 and fasten the hinge.



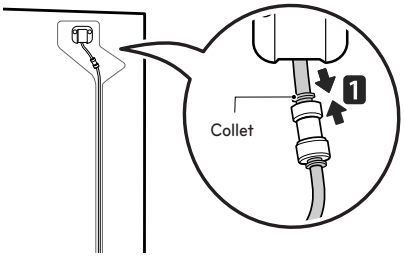
3 Connect all the wire harnesses.



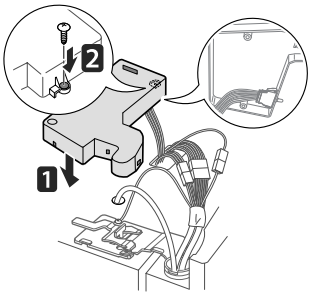
4 Push the water supply tube into the hole on the top case and pull it through the backplate.



5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in 1. Insert the tube at least $^{5}/_{8}$ inch (15 mm) into the connector.

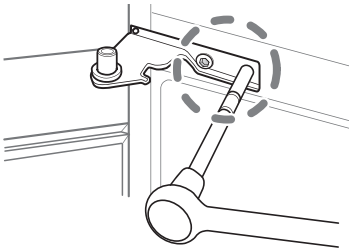


6 Make sure that the door-switch located inside the cover is tightly connected. Place the cover 1 in its position and tighten the cover screw 2.

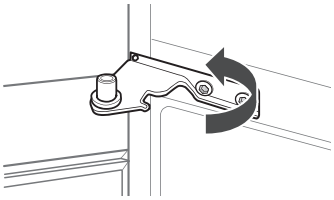


How to Remove the Freezer Door (TURN OFF THE MAIN POWER. Same procedure for left and right doors)

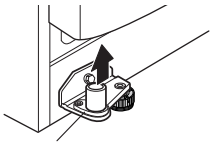
1 Remove the inner hinge bolt.



2 Twist the hinge to raise the pivoting end so that the door can be lifted off.



3 Remove the door by raising it from the lower hinge.



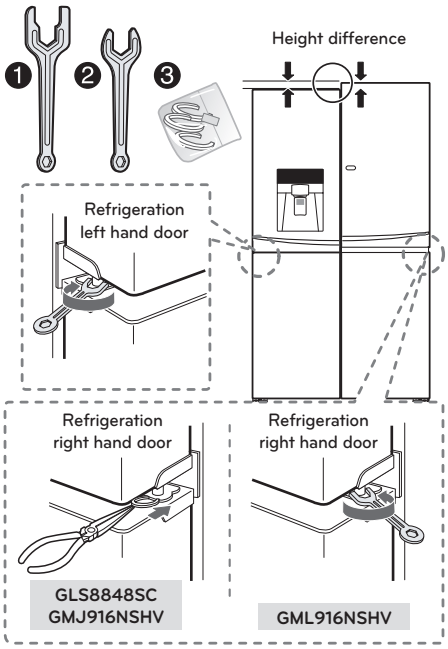
Lower hinge

Height Adjustment

Leveling the doors may not be possible when the floor is not leveled, or is of weak or poor construction. The fridge is heavy and should be installed on a rigid and solid surface. Some timber flooring may cause levelling difficulties if it flexes excesively.

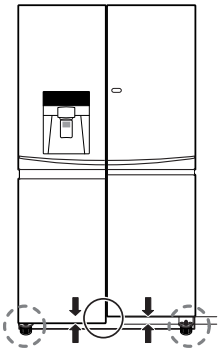
Fridge Door Height Adjustment

- If the left side door is lower, lift the left side door, and turn the hinge bolt using the spanner as in the drawing. (for upper fridge doors, use spanner ❶.)
- If the right side door is lower, lift the right side door, and use a pair of long nose pliers (not supplied) to additionally insert ❸ a snap ring until the heights are balanced as in the drawing. (GLS8848SC/GMJ916NSHV)
- If the right side door is lower, lift the right side door, and turn the hinge bolt using the spanners as in the drawing.(for upper regrigerator doors, use spanners ❶.) (GML916NSHV)



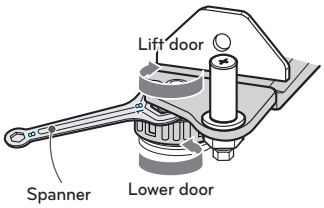
If the heights of the Freezer doors are different

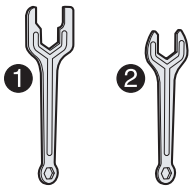
- Method 1 is recommended.
- For freezer doors, use spanner ❷.



1 (Method 1)

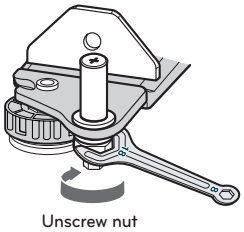
Open the door, and adjust the height by screwing the nut above the foot with the ❷ spanner.



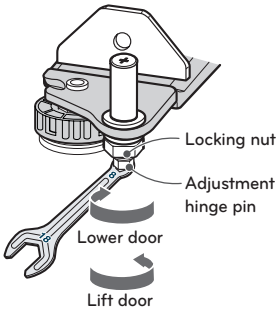


2 (Method 2, only allows a maximum of 3mm of adjustment)

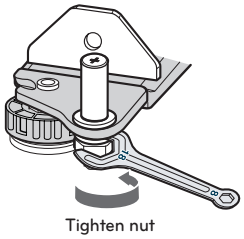
(1) Use the wider side of the number ❷ spanner to turn locking nut ( ) clockwise to unscrew the locking nut.



(2) Use the narrower side of the spanner to turn the adjustment hinge pin ( ) clockwise or ( ) counterclockwise, and adjust the gap difference between the fridge and the freezer door.



(3) After the door heights are adjusted, completely tighten the locking nut ( ) counterclockwise.



⚠ CAUTION

Do not adjust the hinge pin height level too much. The hinge pin can fall out. (Range of height adjustment : Max. 3mm)

ENGLISH

Connecting the Water Line

Before You Begin

This water line installation is not covered by the fridge warranty. Follow these instructions carefully to minimize the risk of expensive water damage.

Water hammer (water banging in the pipes) in house plumbing can cause damage to fridge parts and can lead to water leakage or flooding. Call a qualified plumber to correct water hammer before installing the water supply line to the fridge.

> ⚠ CAUTION
> To prevent burns and product damage, only connect the fridge water line to a cold water supply.

If you use your fridge before connecting the water line, make sure the icemaker power switch is in the OFF (O) position.

> ⚠ CAUTION
> Do not install the icemaker tubing in areas where temperatures fall below freezing.

Water Pressure

The water pressure must be 20~120 psi or 138~827 kPa or 1.4~8.4 kgf/cm² on models without a water filter and 40~120 psi or 276~827 kPa or 2.8~8.4 kgf/cm² on models with a water filter.

If a reverse osmosis water filtration system is connected to your cold water supply, this water line installation is not covered by the fridge warranty. Follow the instructions carefully to minimize the risk of expensive water damage.

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 40 to 60 psi (276~414 kPa or 2.8~4.2 kgf/cm², less than 2.0~3.0 sec. to fill a cup of 7 oz or 198 cc capacity).

All installations must be in accordance with local plumbing code requirements.

Plug in the fridge

Arrange the coil of tubing so that it does not vibrate against the back of the fridge or against the wall. Push the fridge back to the wall.

Start the icemaker

Set the icemaker power switch to the ON position.

The icemaker will not begin to operate until it reaches its operating temperature of –9°C or below. It will then begin operation automatically if the icemaker power switch is in the ON (I) position.

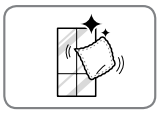
Turning On The Power

Plug in the fridge.

> ⚠ CAUTION
> - Connect to a rated power outlet.
> - Have a certified electrician check the wall outlet and wiring for proper grounding.
> - Do not damage or cut off the ground terminal of the power plug.

HOW TO USE

Before use



Clean the fridge.

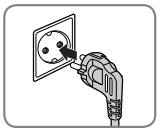
Clean your fridge thoroughly and wipe off all dust that may have accumulated during shipping.

CAUTION

- Do not scratch the fridge with a sharp object or use a detergent that contains alcohol, a flammable liquid or an abrasive when removing any tape or adhesive from the fridge,.
- Do not peel off the model or serial number label or the technical information on the rear surface of the fridge.

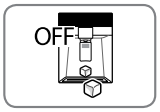
NOTE

Remove adhesive residue by wiping it off with your thumb or dishwashing detergent.



Connect the power supply.

Check if the power supply is connected before use.
Read the "Turning On The Power" section. (Your plug type might be different from the picture.)

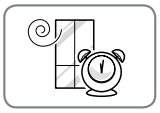


Turn off the icemaker if the fridge is not yet connected to the water supply.

Turn off the automatic icemaker and then plug the power plug of the fridge into the grounded electric outlet.
* This is applicable only to certain models.

CAUTION

Running the automatic icemaker before connecting it to the water supply may cause the fridge to malfunction.

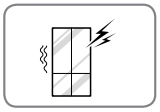


Wait for the fridge to cool.

Allow your fridge to run for at least three to four hours before putting food in it.
Check the flow of cold air in the freezer compartment to ensure proper cooling.

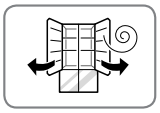
CAUTION

Putting food in the fridge before it has cooled could cause the food to spoil, or a bad odor could remain inside the fridge.



The fridge makes a loud noise after initial operation.

This is normal. The loudness will decrease as the temperature lowers.



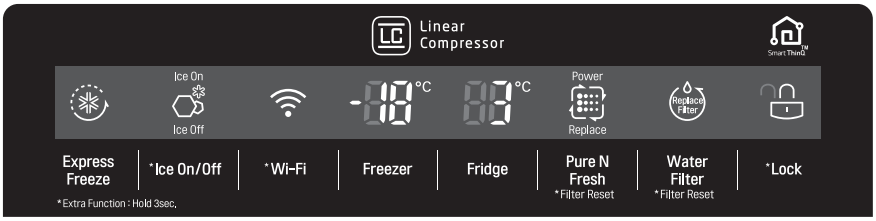
Before Plugging in, open the fridge doors to ventilate the interior.

The inside of the fridge may smell like plastic at first. Remove any adhesive tape from inside the fridge and open the fridge doors for ventilation until any odors have subsided.

ENGLISH

Control Panel (Applicable to some models only)

Control Panel Features



Express Freeze

This function increases both ice making and freezing capabilities.

- When you touch the **Express Freeze** button, the graphic will illuminate in the display and will continue for 3 hours. The function will automatically disable itself after 3 hours.
- You can stop this function manually by touching the button one more time.

Ice On/Off

Ice On
Ice Off

Press the Ice On/Off button for 3 seconds to turn the icemaker On/Off.

Wi-Fi

The **Wi-Fi** button, when used with the LG Smart ThinQ 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.

Press and hold the **Wi-Fi** button for 3 seconds to connect to the network. The icon blinks while the connection is being made, then turns on once the connection is successfully made.

Freezer Temperature

°C

Indicates the set target temperature of the freezer compartment in Celsius (°C).

The recommended Freezer set temperature in normal ambient conditions and loads is -18°C ~ -20°C.

Fridge Temperature

°C

Indicates the set target temperature of the fridge compartment in Celsius (°C).

The recommended Fridge set temperature in normal ambient conditions and loads is 3°C ~ 4°C.

NOTE

The displayed temperature is the target temperature, and not the actual temperature of the fridge. The actual fridge temperature depends on the food inside the fridge as well as ambient temperatures and how often the doors are opened and closed.

Pure N Fresh

Power

Replace

When the Replace lamp is on, replace the Pure N Fresh filter.

- When the "Replace" lamp is turned on, replace the filter to maintain the performance of the Pure N Fresh Filter function.
- To replace the filter, press the Pure N Fresh button (* Filter Reset) on the touch control panel to the OFF mode so that the filter icon is not illuminated and the blue Pure N Fresh LED inside the fridge remains off. The Pure N Fresh function has three modes, Auto(when icon is lit up), Power(when icon and Power are lit up) and Off(when icon is not lit up). Power mode can be engaged by pressing the Pure N Fresh touch control respectively. Auto>Power>Off>Auto….
  Power mode will resume back to Auto mode after 4 hours.

Change Water Filter

Replace Filter

When the water filter indicator turns on, you need to change the water filter. After changing the water filter, press and hold the Change Filter button for three seconds to turn the indicator light off. You need to change the water filter approximately every six months.

Lock

The Lock function disables every other button on the display.

- When power is initially connected to the fridge, the **Lock** function is off.
- If you want to activate the **Lock** function to lock other buttons, press and hold the **Lock** button for three seconds or more. The **Lock** icon will display and the **Lock** function is now enabled.
- To disable the **Lock** function, press and hold the **Lock** button for approximately three seconds.

NOTE

The Lock function will not stop the water or ice dispensing function.

CAUTION

Display Mode (For Store Use Only)

The Display Mode disables all cooling in the fridge and freezer sections to conserve energy while on display in a retail store. When activated OFF will display on the control panel and the display will remain on for 20 seconds.

To deactivate / activate:

With either fridge door opened, press and hold the Fridge button and then touch the Express Freeze button three times. The control panel will beep and the temperature settings will display to confirm that Display Mode is deactivated. Use the same procedure to activate the Display Mode.

ENGLISH

In-Door Ice Bin

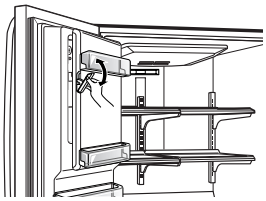
* Depending on the model, some of the following functions may not be available.

CAUTION

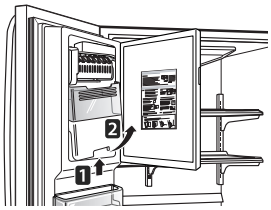
- Keep hands and tools out of the ice compartment door and dispenser chute. Failure to do so may result in damage or personal injury.
- The icemaker will stop producing ice when the in-door ice bin is full. If you need more ice, empty the ice bin into the extra ice bin in the freezer compartment. During use, the ice can become uneven causing the icemaker to misread the amount of ice cubes and stop producing ice. Shaking the ice bin to level the ice within it can reduce this problem.
- Storing cans or other items in the ice bin will damage the icemaker.
- Keep the ice compartment door closed tightly. If the ice compartment door is not closed tightly, the cold air in the ice bin will freeze food in the fridge compartment. This could also cause the icemaker to stop producing ice.
- If the Ice On/Off button on the display is set to Off for an extended period of time, the ice compartment will gradually warm up to the temperature of the fridge compartment. To prevent ice cubes from melting and leaking from the dispenser, ALWAYS empty the ice bin when the icemaker is set to Off for more than a few hours.

Detaching the In-Door Ice Bin

1 Gently pull the handle to open the ice compartment.

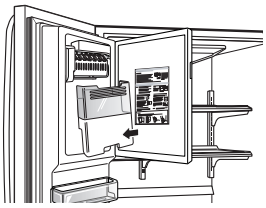


2 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.

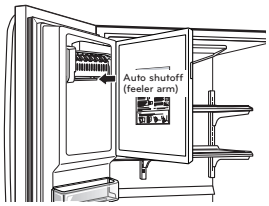


Assembling the In-Door Ice Bin

1 Carefully insert the in-door ice bin while slightly slanting it to avoid contact with the icemaker.

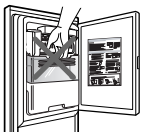


2 Avoid touching the auto shutoff (feeler arm) when replacing the ice bin. See the label on the ice compartment door for details.



CAUTION

When handling the ice bin, keep hands away from the icemaker tray area to avoid personal injury.



Automatic Icemaker

* Depending on the model, some of the following functions may not be available.

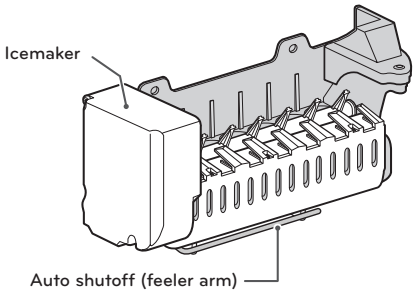
Ice is made in the automatic icemaker and sent to the dispenser. The icemaker will produce 50-80 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings and other operating conditions.

- It takes about 12 to 24 hours for a newly installed fridge to begin making ice. Wait 72 hours for full ice production to occur.
- Ice making stops when the in-door ice bin is full. When full, the in-door ice bin holds approximately 6 to 8 glasses of ice.
- Foreign substances or frost on the auto shutoff (feeler arm) can interrupt ice production. Make sure the feeler arm is clean at all times for proper operation.

WARNING

Personal Injury Hazard

DO NOT place fingers or hands on the automatic ice making mechanism while the fridge is plugged in.



Turning the Automatic Icemaker On or Off

To turn the automatic icemaker On/Off, press and hold the Ice On/Off button on the control panel for 3 seconds. Doing this also causes any ice in the ice bin to melt. when turning the ice maker off, please ensure that the ice bin is emptied.

Automatic Icemaker (continued)

CAUTION

- The first ice and water dispensed may include particles or odor from the water supply line or the water tank.
- Throw away the first few batches of ice. This is also necessary if the fridge has not been used for a long time.
- Never store beverage cans or other items in the ice bin for the purpose of rapid cooling. Doing so may damage the icemaker or the containers may burst.
- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact a qualified service center. Do not use the ice or water until the problem is corrected.
- 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 can also help prevent frost buildup.
- Never use thin crystal glass or crockery to collect ice. Such containers may chip or break resulting in glass fragments in the ice.
- 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.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage and fridge performance may be affected.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.
- To avoid personal injury, keep hands out of the ice door and passage.
- Never remove the dispenser cover.
- If ice or water dispenses unexpectedly, turn off the water supply and contact a qualified service center.

When You Should Turn the Icemaker Off

- When the water supply will be shut off for several hours.
- When the ice bin is removed for more than one or two minutes.
- When the fridge will not be used for several days.

NOTE

The ice bin should be emptied when the Ice On/Off button is set to the Off mode.

Normal Sounds You May Hear

- The icemaker water valve will buzz as the icemaker fills with water. If the Ice on/off button is set to On, the ice maker will buzz even if it has not yet been hooked up to water. To stop the buzzing, press the Ice on/off button to set it to the Off position.

NOTE

Keeping the Ice maker on before the water line is connected can damage the icemaker.

- You will hear the sound of cubes dropping into the bin and water running in the pipes as the icemaker refills.

Preparing for Vacation

Set the icemaker power button to Off and shut off the water supply to the fridge.

NOTE

The ice bin should be emptied any time the Ice On/Off button is turned Off.

If the ambient temperature is expected to drop below freezing, have a qualified technician drain the water supply system to prevent serious property damage due to flooding caused by ruptured water lines or connections.

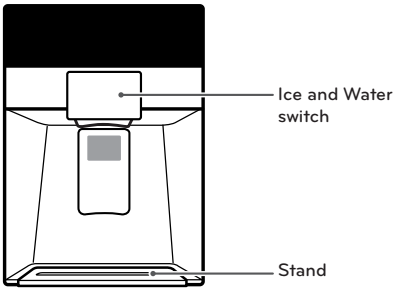
Ice and Water Dispenser

* Depending on the model, some of the following functions may not be available.

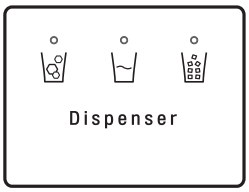
CAUTION

Keep children away from the dispenser to prevent children playing with or damaging the controls.

Dispenser



Using the Dispenser



- To dispense cold water or ice, push on the Dispenser switch Cubed ice( ), Water( ), Crushed ice( ).

CAUTION

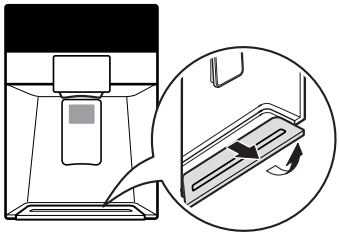
Throw away the first few batches of ice (about 24 cubes). This is also necessary if the fridge has not been used for a long time.

NOTE

- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact a qualified service center. Do not use the ice or water until the problem is corrected.
- The dispenser will not operate when either of the fridge doors are open.
- If dispensing water or ice into a container with a small opening, place it as close to the dispenser as possible.
- Some dripping may occur after dispensing. Hold your cup beneath the dispenser for a few seconds after dispensing to catch all of the drops.

Cleaning the Dispenser Stand

1 Pull slightly holding both ends.



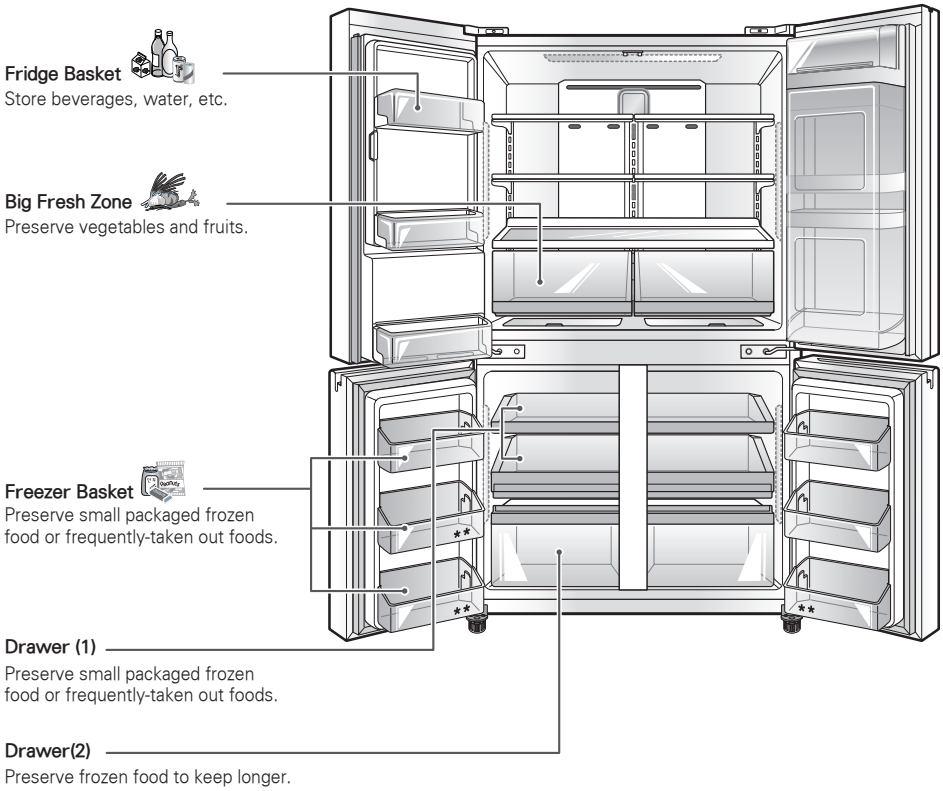
2 Wipe out dirty areas with a clean cloth.

ENGLISH

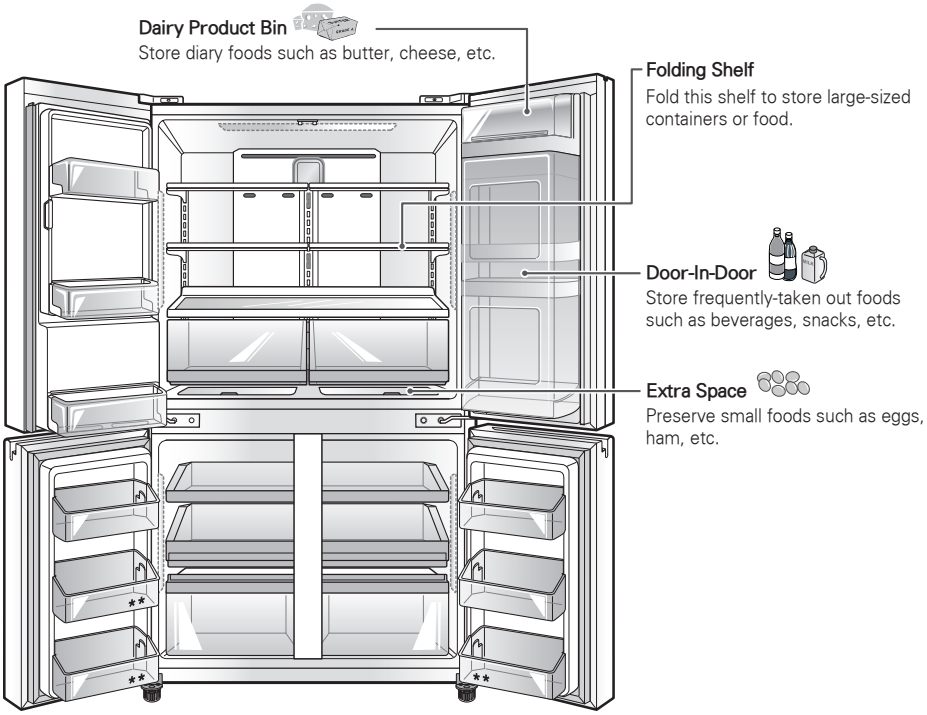
Storing Food

Food Preservation Location (Applicable to some models only)

Each compartment inside the fridge is designed to store different types of food.
Store your food in the optimal space to enjoy the freshest taste.



Food Preservation Location (Applicable to some models only) (continued)



CAUTION

- Do not store food with high moisture content towards the top of the fridge. The moisture could come in direct contact with the cold air and freeze.
- Wash food before storing it in the fridge. Food packaging should be wiped down to prevent adjacent foods from being contaminated.
- If the fridge is kept in a hot and humid place, frequent opening of the door or storing a lot of vegetables in the fridge may cause condensation to form. Wipe off the condensation with a clean cloth or a paper towel.
- If the fridge doors are opened or closed too often, warm air may penetrate the fridge and raise its temperature. It can also increase the fridge's electricity usage.

NOTE

- If you are leaving home for a short period of time, like a short vacation, the fridge should be left on. Refrigerated foods that are able to be frozen will stay preserved longer if stored in the freezer.
- If you are leaving the fridge turned off for an extended period of time, remove all food and ice from the ice maker compartment before unplugging the power cord. Clean the interior, and leave the doors slightly ajar to prevent mold from growing in the fridge.

ENGLISH

Food Storage Tips

* The following tips may not be applicable depending on the model.

Wrap or store food in the fridge in airtight and moisture-proof material unless otherwise noted. This prevents food odor and taste transfer throughout the fridge. For dated products, check use by dates to ensure freshness.

Food	How to
Butter or Margarine	Keep opened butter in a covered dish or closed compartment. When storing an extra supply, wrap in freezer packaging and freeze.
Cheese	Store in the original wrapping until you are ready to use it. Once opened, rewrap tightly in plastic wrap or aluminum foil.
Milk	Wipe milk cartons. For best storage, place milk on interior shelf, not on door shelf.
Eggs	Store in original carton on interior shelf, not on door shelf.
Fruit	Do not wash or prepare fruit until it is ready to be used. Sort and keep fruit in its original container, in a crisper, or store in a completely closed paper bag on a fridge shelf.
Leafy Vegetables	Remove store wrapping and trim or tear off bruised and discolored areas. Wash in cold water and drain. Place in plastic bag or plastic container and store in crisper.
Vegetables with skins (carrots, peppers)	Place in plastic bags or plastic containers and store in crisper.
Fish	Store fresh fish and shellfish in the freezer section if they are not being consumed the same day of purchase. It is recommended to consume fresh fish and shellfish the same day purchased.
Leftovers	Cover leftovers with plastic wrap, aluminum foil, or plastic containers with tight lids.

Storing Frozen Food

NOTE

Check a freezer food guide or a reliable cookbook for further information about preparing food for freezing or food storage times.

Freezing

Your freezer will not quick-freeze a large quantity of food. Do not put more unfrozen food into the freezer than will freeze within 24 hours (no more than 1 to 1.5kg. of food per cubic foot of freezer space). Leave enough space in the freezer for air to circulate around packages. Be careful to leave enough room at the front so the door can close tightly.

Storage times will vary according to the quality and type of food, the type of packaging or wrap used (how airtight and moisture-proof) and the storage temperature. Ice crystals inside a sealed package are normal. This simply means that moisture in the food and air inside the package have condensed, creating ice crystals.

NOTE

Allow hot foods to cool at room temperature for 30 minutes, then package and freeze. Cooling hot foods before freezing saves energy.

NOTE

Never freeze beverage cans or bottles of any kind as they can explode or shatter.

Storing Frozen Food (continued)

Packaging

Successful freezing depends on correct packaging. When you close and seal the package, it must not allow air or moisture in or out. If it does, you could have food odor and taste transfer throughout the fridge and could also dry out frozen food.

Packaging recommendations:

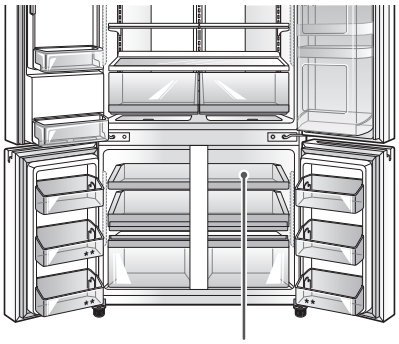
- Rigid plastic containers with tight-fitting lids
- Straight-sided canning/freezing jars
- Heavy-duty aluminum foil
- Plastic-coated paper
- Non-permeable plastic wraps
- Specified freezer-grade self-sealing plastic bags

Follow package or container instructions for proper freezing methods.

Do not use

- Bread wrappers
- Non-polyethylene plastic containers
- Containers without tight lids
- Wax paper or wax-coated freezer wrap
- Thin, semi-permeable wrap

NOTE



The process of freezing occurs the fastest on the marked shelf.

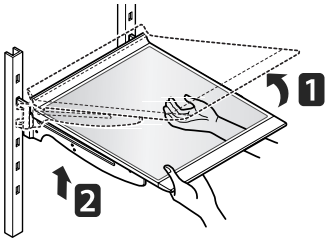
Adjusting the Fridge Shelves

The shelves in your fridge are adjustable to meet your individual storage needs. Your model may have either glass or wire shelves.

Adjusting the shelves to fit different heights of items will make finding the exact item you want easier. Doing so will also reduce the amount of time the fridge door is open which will save energy.

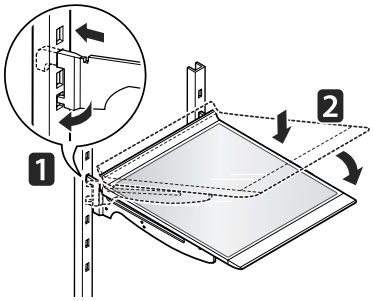
Detaching the Shelf

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



Refitting the 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.

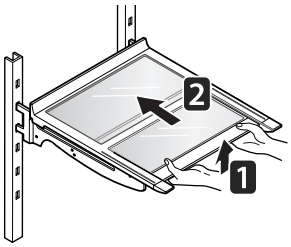


CAUTION

Make sure that shelves are level from one side to the other. Failure to do so may result in the shelf falling or spilling food.

Using the Folding Shelf

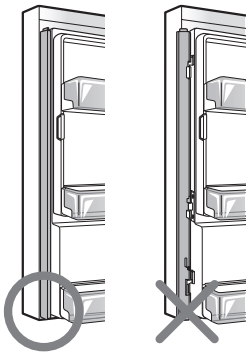
You can store taller items, such as containers or bottles, by simply pushing the front half of the shelf underneath the back half of the shelf. Pull the front of the shelf firmly toward you to return to a full shelf.



CAUTION

- 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.

When Closing the Door



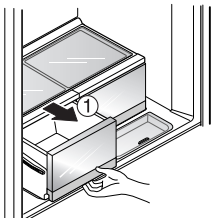
CAUTION

- To reduce the risk of door scratches and breaking the door centre mullion, please make sure that the fridge door mullion is always folded in.
- The door alarm will sound every 30 seconds the door remains open after 1 minute. Ensure that the folding mullion is folded in before closing the left hand door.

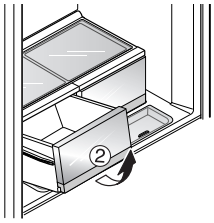
Big Fresh Zone

Removal of the Big Fresh Zone drawer.

1 Pull the drawer back to the end of its travel.



2 Lift the front of the drawer up and remove it from its guide.

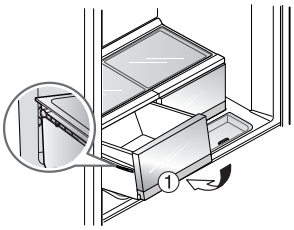


CAUTION

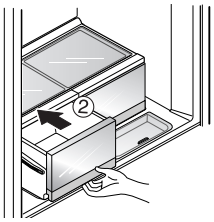
- Always empty the drawers before removing them and use both hands when removing and refitting.
- Make sure that the fridge doors are fully open before removing and refitting the drawers.

Refitting the Big Fresh Zone drawer

1 Insert the left and right roller of the drawer into the guides whilst the drawer is slightly lifted at the front. and push it in gently while lowering it at the same time.



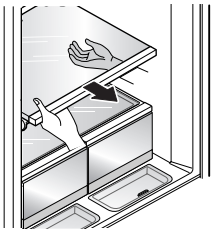
2 Push it in gently while lowering it at the same time.



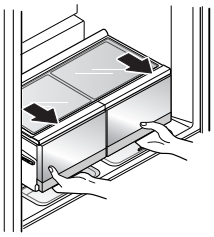
How to remove and refit the vegetable box

How to remove the vegetable box

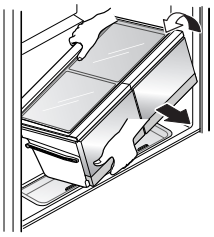
1 While the fridge doors are wide open, take out all the shelves from the fridge compartment.
Remove all contents from the vegetable box drawers.



2 Lift the vegetable box drawers with both hands and gently pull them toward you.

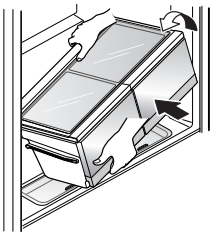


3 Grab the back end with one hand to lift the vegetable box, and then take it out while tilted.

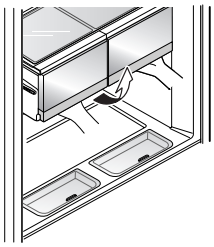


How to refit vegetable box

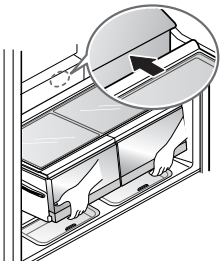
1 Lift the vegetable box drawer assembly on to an angle and place it into the fridge compartment ready for fitting.



2 Lift the vegetable box drawer horizontally and align to its original position and gently push it back. (This is to avoid contact with the side walls of the fridge.)



3 If there is a gap behind the drawer as in the below diagram, slightly lift the vegetable box and push.

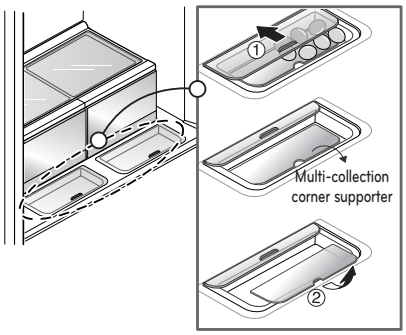


CAUTION

- Make sure to disassemble with both hands.
- When you remove and refit the vegetable box drawers,ensure that both fridge doors are open fully.

Extra Space (Multi collection corner)

Store small foods like eggs, ham, cheese, etc.



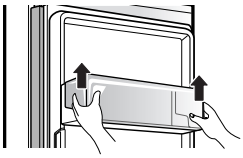
- Open and close pushing or pulling grips.

CAUTION

- Be careful when handling and storing larger eggs. They can be broken if the cover is not completely closed and the drawer above is pushed in.
- Observe the above diagrams when removing and refitting the Multi-Collection corner after cleaning.
- Store all moist and easily-freezing foods like soy bean curd, sesame leaf, etc. on the front of the shelves.

Fridge Basket

Store drinks like small packs, milk, beer, juice etc.



Dairy Corner

You can store dairy products such as butter, cheese etc.

If you close the fridge door with the dairy corner left open, the fridge door may not close properly. It could also result in damage to the lid.

Door-In-Door (Applicable to some models only)

The Door-In-Door compartment allows for easy access of commonly used beverages and food items.

The inner Door-In-Door includes two door bins, Cheese & Butter and Condiment bins, that are specially designed for food that can be stored at a warmer temperature. This makes spreading butter and slicing cheese easier.

NOTE

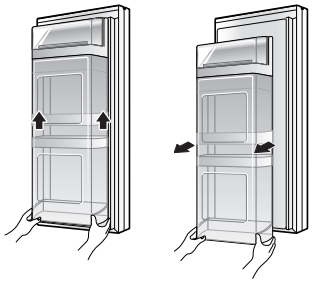
The Cheese & Butter and Condiment bins are not recommended for storing items that spoil easily such as milk and mayonnaise.

Press the the door button on the Home Bar until you hear a click sound.

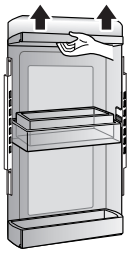
- You can store more food in the larger Home Bar.
- With the larger storage room, you can organize drinks and snacks better.

Door-In-Door Shelf Disassembly (Applicable to some models only)

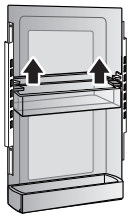
1 Raise magicspace cover up and take it out.



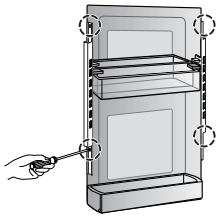
2 Hold the bottom of daily basket and raise it up to take it out.



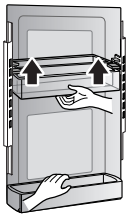
3 Move floating basket to the top compartment from magic space cover to where the Daily Corner was removed.



4 Remove screws on both sides of magic space cover.

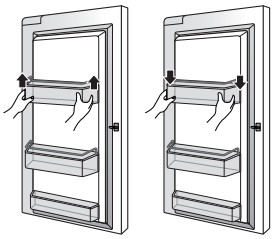


5 Hold the bottom of lower basket and raise it up to take it out.



Hold both ends of the basket and lift up the front part of the basket.

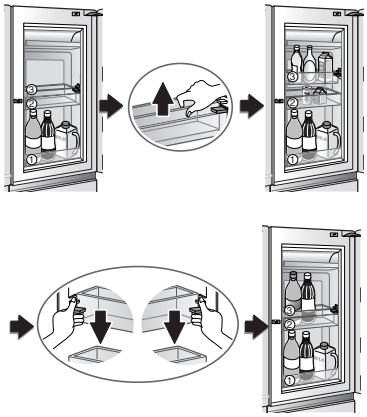
- Assemble in the same method as disassembly.



Adjustable Moving Basket

It can be moved up and down as necessary, and used conveniently.

- To move the Adjustable Moving Basket up or down, remove all items from the basket first.
- Place one hand on each side of the Moving basket and use your forefingers and thumb.
- Lift the white release levers on both sides upward, and then move the Basket up or down.
- Adjusting the Moving Door Basket allows taller food items to be stored more conveniently.



CAUTION

- Remove all food items from basket before moving it up or down. Not doing so could cause damage to the basket or food items.

Freezer Drawer

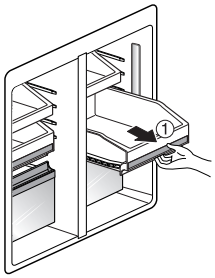
Use the compartment for packed frozen foods and frequently-accessed foods.

Use the bottom compartment for frozen foods. (Dried fish & condiments)

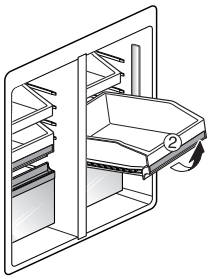
- The sliding freezer drawers allow easy access and convenience of use.

Freezer Drawer Removal

1 Pull out the Freezer drawer to the end of its travel (as per below fig)and remove all of the contents.



2 When the drawer is fully extended, lift up the front and continue to pull it out (as per below fig).

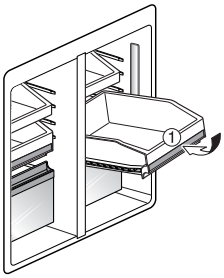


CAUTION

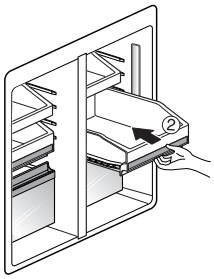
- Always remove drawers with both hands to avoid breakage or injury.
- Always open the freezer doors all the way before removing or refitting the drawers.

Refitting the Freezer Drawer

1 Insert both rollers into the guides with the front of the drawer slightly raised and gently push in. while lowering the drawer to the correct level.



2 Continue to push in the drawer all the way while lowering the drawer to the correct level.



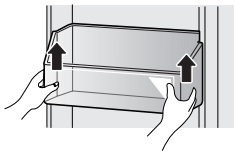
CAUTION

- Always remove drawers with both hands to avoid breakage or injury.
- Always open the freezer doors all the way before removing or refitting the drawers.

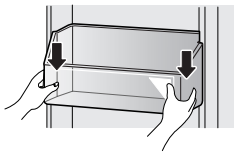
Freezer/Fridge basket

You can store small packaged frozen food (Freezer basket), small packaged refrigerated food or beverages (Fridge basket) such as milk, water, juice, beer etc.
Do Not store ice cream or foods intended for long term storage in the Freezer Door Basket.

To remove the basket, hold the basket with both hands and lift up the front part to pull it out.



To refit the basket, align both sides of the basket with the guides and push it down until secure.



Two Stars Section ** (Applicable to Some Models Only)

- Two stars section means suitable for ice or foods that can be stored at -12°C~-18°C.
- Not suitable for deep freezing.

SMART FUNCTIONS

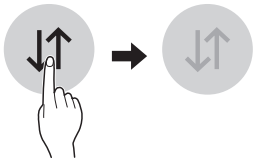
Using LG SmartThinQ Application

Things to check before using LG SmartThinQ

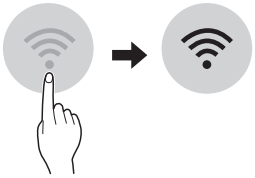
- For appliances with the SmartThinQ or SmartThinQ logo

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

2 Turn off the **Mobile data** or **Cellular Data** on your smartphone.
   - For iPhones, turn data off by going to **Settings** → **Cellular** → **Cellular Data**.



3 Connect your smartphone to the wireless router.



NOTE

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

NOTE

- 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.

Wireless LAN Module Specifications

Model	LCW-004
Frequency Range	2412 to 2472 MHz
Output Power(Max)	IEEE 802.11b:17.82 dBm IEEE 802.11g:17.72 dBm IEEE 802.11n:16.61 dBm

Wireless function S/W version : V 1.0

For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

ENGLISH

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.

NOTE

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

Wi-Fi Function

- For appliances with the Smart ThinQ or Smart ThinQ logo

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

Declaration of Conformity

CE

Hereby, LG Electronics declares that the radio equipment type Refrigerator is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
http://www.lg.com/global/support/cedoc/cedoc#

LG Electronics European Shared Service Centre B.V.

Krijgsman 1

1186 DM Amstelveen

The Netherlands

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 three (3) years from the date on which you purchased the product.

Smart Diagnosis™ Using a Smart Phone

- For appliances with the or logo

Use this function if you need an accurate diagnosis by an LG Electronics customer information centre when the appliance malfunctions or fails.
Smart Diagnosis™ can not be activated unless the appliance is connected to power.
If the appliance is unable to turn on, then troubleshooting must be done without using Smart Diagnosis™.

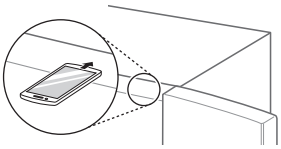
Using Smart Diagnosis™

Smart Diagnosis™ Through the Customer Information Centre

Use this function if you need an accurate diagnosis by an LG Electronics customer information center 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.

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.
- Do not take the phone off the speaker hole while the data is transmitted.
- Hold the phone to the upper right speaker hole and wait 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. After 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.

ENGLISH

MAINTENANCE

Cleaning

- Both the fridge and freezer sections defrost automatically; however, clean both sections about once a month to prevent odors.
- Wipe up spills immediately.
- Always unplug the refrigeration before cleaning.

General Cleaning Tips

- Unplug fridge or disconnect power.
- Remove all removable parts, such as shelves, crispers, etc.
- Use a clean sponge or soft cloth with mild detergent in warm water. Do not use abrasive or harsh cleaners.
- Hand wash, rinse and dry all surfaces thoroughly.

Exterior

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.

For products with a stainless steel exterior, use a clean sponge or soft cloth with mild detergent in warm water. Do not use abrasive or harsh cleaners. Dry thoroughly with a soft cloth.

CAUTION

- Do not use a rough cloth or sponge when cleaning the interior and exterior of the fridge.
- Do not place your hand on the bottom surface of the fridge when opening and closing.

WARNING

Use non-flammable cleaner. Failure to do so can result in fire, explosion, or death. Always remove power cord from the wall outlet prior to cleaning in the vicinity of electrical parts (lamps, switches, covers, controls, etc.).

Wipe up excess moisture with a sponge or cloth to prevent water or Liquid from getting into any electrical part and causing an electric shock.

Never use metallic scouring pads, brushes, coarse abrasive cleaners, Strong alkaline solutions, industrial detergent (bleach containing detergent) Flammable or toxic cleaning liquids on any surface. Do not use Hot water to clean the interior or any interior parts of the unit when they are cold.

Inside Walls (allow freezer to warm up so the cloth will not stick)

To help remove odors, you can wash the inside of the fridge with a mixture of baking soda and warm water. Mix 2 tablespoons of baking soda to 1 litre of warm water. Be sure the baking soda is completely dissolved so it does not scratch the surfaces of the fridge.

Door Liners and Gaskets

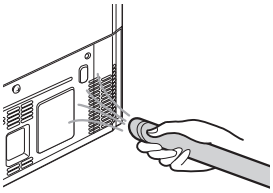
Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use cleaning waxes, concentrated detergents, bleaches, or cleaners containing petroleum on plastic fridge parts.

Plastic Parts (covers and panels)

Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use window sprays, abrasive cleansers, or flammable fluids. These can scratch or damage the material.

Condenser Coil Cover

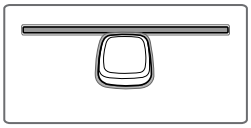
Use a vacuum cleaner with an attachment to clean the condenser cover and vents located at the rear of the appliance. Do not remove the panel covering the condenser coil area. Always disconnect the main power before cleaning.



Replacing the Pure N Fresh filter

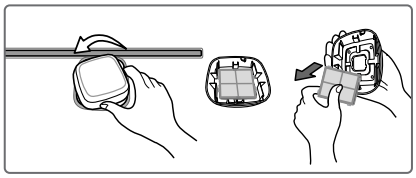
It is recommended that you replace the Pure N Fresh filter:

- Approximately every 1~2 years.
- When the Replace light turns on.



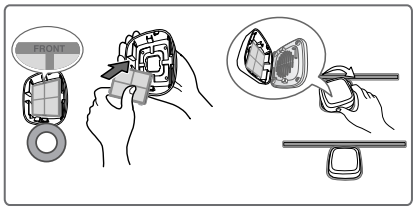
1 Remove the Old Filter

Turn the filter cover to the left to detach from the fridge wall. The filter is located on the inside of the filter cover. Remove the filter from the cover and replace it with a new filter.



2 Installing a New Pure 'N' Fresh filter.

Place the new filter inside of the cover with the side that says "Front" facing outward. Turn the filter cover to the right to reattach it to the fridge wall.



After changing the filter, touch and hold the Pure N Fresh filter button on the front display for three seconds to reset the filter sensor.

ENGLISH

Replacing the Water Filter

NOTE

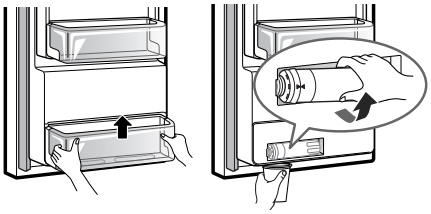
This fridge does not require a filter bypass plug when the filter is not in place.

It is recommended that you replace the water filter:

- Approximately every six months.
- When the water filter indicator turns on.
- When the water dispenser output decreases.
- When the ice cubes are smaller than normal.

1 Remove the old water filter.

Lift up and remove the lower door bin from the Left hand Fridge door. Swing the right end of the water filter out of the compartment and then grasp and rotate the filter counterclockwise to remove it from the filter head.

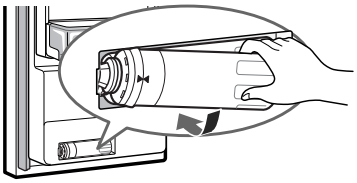


NOTE

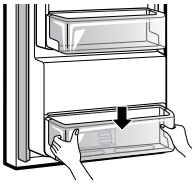
Replacing the water filter could cause a small amount of water to drain. Place a cup under the filter head to catch any water.

2 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.



3 Refit the door bin.



TROUBLESHOOTING

Review the Troubleshooting section before calling for service; doing so will save you both time and money.

Problem	Possible Causes	Solutions
Fridge and Freezer section are not cooling.	The fridge display control is set to OFF (some models).	Cancel the OFF mode so that the unit commences operation. Refer to the Setting the Controls section for proper temperature settings
	May be in Display mode.	Refer to page 27 for Display mode instructions.
	Fridge is in the defrost cycle.	During the defrost cycle, the temperature of each compartment may rise slightly. Wait 40 minutes to confirm the proper temperature has been restored once the defrost cycle has completed.
	Fridge was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Fridge was recently relocated.	If the fridge was stored for a long period of time or moved on its side, it is necessary for the fridge to stand upright for 24 hours before connecting it to power.
Cooling System runs too much.	Fridge is replacing an older model.	Modern fridges require more operating time but use less energy due to more efficient technology.
	Fridge was recently plugged in or power restored.	The fridge will take up to 24 hours to cool completely.
	Door opened often or a large amount of food / hot food was added.	Adding food and opening the door warms the fridge, requiring the compressor to run longer in order to cool the fridge back down. In order to conserve energy, try to get everything you need out of the fridge at once, keep food organized so it is easy to find, and close the door as soon as the food is removed. (Refer to the Food Storage Guide.)
	Doors are not closed completely.	Firmly push the doors shut. If they will not shut all the way, see the Doors will not close completely or pop open section in Parts & Features Troubleshooting.
	Fridge is installed in a hot location.	The compressor will run longer under warm conditions. At normal room temperatures 21°C expect your compressor to run about 40% to 80% of the time. Under warmer conditions, expect it to run even more often. The fridge should not be operated above 43°C.
	Condenser / back cover is clogged.	Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area. Disconnect the mains before cleaning.

Problem	Possible Causes	Solutions
Fridge or Freezer section is too warm.	Fridge was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Air vents are blocked.	Rearrange items to allow air to flow throughout the compartment. Refer to the Airflow diagram in the Using Your Fridge section.
	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Unit is installed in a hot location.	The fridge should not be operated in temperatures above 43°C.
	A large amount of food or hot food was added to either compartment.	Adding food warms the compartment requiring the cooling system to run. Allowing hot food to cool to room temperature before putting it in the fridge will reduce this effect.
	Doors not closed correctly.	See the Doors will not close correctly or pop open section in Parts & Features Troubleshooting.
	Temperature control is not set correctly.	If the temperature is too warm, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Defrost cycle has recently completed.	During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 40 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.

Problem	Possible Causes	Solutions
Interior moisture buildup.	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Doors not closed correctly.	See the Doors will not close correctly section in the Troubleshooting section.
	Weather is humid.	Humid weather allows additional moisture to enter the compartments when the doors are opened leading to condensation or frost. Maintaining a reasonable level of humidity in the home will help to control the amount of moisture that can enter the compartments.
	Defrost cycle recently completed.	During the defrost cycle, the temperature of each compartment may be raised slightly and condensation may form on the back wall. Wait 40 minutes and confirm that the proper temperature has been restored once the defrost cycle has completed.
	Food is not packaged correctly.	Food stored uncovered or unwrapped, and damp containers can lead to moisture accumulation within each compartment. Wipe all containers dry and store food in sealed packaging to prevent condensation and frost.
Food is freezing in the fridge compartment.	Food with high water content was placed near an air vent.	Rearrange items with high water content away from air vents.
	Fridge temperature control is set incorrectly.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Fridge is installed in a cold location.	When the fridge is operated in temperatures below 5°C, food can freeze in the fridge compartment. The fridge should not be operated in temperature below 13°C.
Frost or ice crystals form on frozen food (outside of package).	Door is opened frequently or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. Increased moisture will lead to frost and condensation. To lessen the effect, reduce the frequency and duration of door openings.
	Door is not closing properly.	Refer to the Doors will not close correctly or pop open section in the Troubleshooting section.
Fridge or Freezer section is too cold.	Incorrect temperature control settings.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.

Problem	Possible Causes	Solutions
Frost or ice crystals on frozen food (inside of sealed package).	Condensation from food with a high water content has frozen inside of the food package.	This is normal for food items with a high water content.
	Food has been left in the freezer for a long period of time.	Do not store food items with high water content in the freezer for a long period of time.
Clicking	The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or fridge control on some models) will also click when cycling on and off.	Normal Operation
Rattling	Rattling noises may come from the flow of refrigerant, the water line on the back of the unit, or items stored on top of or around the fridge.	Normal Operation
	Fridge is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Fridge with linear compressor was jarred while running.	Normal Operation
Whooshing	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	Refrigerant flowing through the cooling system.	Normal Operation
Popping	Contraction and expansion of the inside walls due to changes in temperature.	Normal Operation
Sizzling	Water dripping on the defrost heater during a defrost cycle.	Normal Operation
Vibrating	If the side or back of the fridge 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 cannot vibrate against any wall or cabinet.
Dripping	Water running into the drain pan during the defrost cycle.	Normal Operation

Problem	Possible Causes	Solutions
Pulsating or High-Pitched Sound	Your fridge is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new fridge to run longer than your old one, but it is still more energy efficient than previous models. While the fridge is running, it is normal to hear a pulsating or high-pitched sound.	Normal Operation
Doors will not close correctly or pop open.	Food packages are blocking the door open.	Rearrange food containers to clear the door and door shelves.
	Ice bin, crisper cover, pans, shelves, door bins, or baskets are out of position.	Push bins all the way in and put crisper cover, pans, shelves and baskets into their correct positions. See the Using Your Fridge section for more information.
	The doors were removed during product installation and not properly replaced.	Remove and replace the doors according to the Removing and Replacing Fridge Handles and Doors section.
	Fridge is not leveled properly.	See Door Alignment in the Height adjustment section to level fridge.
Doors are difficult to open.	The gaskets are dirty or sticky.	Clean the gaskets and the surfaces that they touch. Rub a thin coat of appliance polish or kitchen wax on the gaskets after cleaning.
	Door was recently closed.	When you open the door, warmer air enters the fridge. As the warm air cools, it can create a vacuum. If the door is hard to open, wait one minute to allow the air pressure to equalize, then see if it opens more easily.
Fridge wobbles or seems unstable.	Leveling legs are not adjusted properly.	Refer to the Leveling and Door Alignment section.
	Floor is not level.	It may be necessary to add shims under the leveling legs or rollers to complete installation.
Lights do not work.	LED interior lighting failure.	The fridge compartment lamp is LED interior lighting, and service should be performed by a qualified technician.
Fridge has an unusual odor.	The Pure N Fresh filter may need to be set to the POWER setting or replaced.	Set the Pure N Fresh filter to the POWER setting. If the odor does not go away within 24 hours, the filter may need to be replaced. See the Replacing the Pure N Fresh filter section for replacement instructions.
The interior of the fridge is covered with dust or soot.	The fridge is located near a fire source, such as a fireplace, chimney or candle.	Make sure that the fridge is not located near a fire source, such as a fireplace, chimney, heater or candle.

Problem	Possible Causes	Solutions
Icemaker is not making enough ice.	Demand exceeds ice storage capacity.	The icemaker will produce approximately 50~80 cubes in a 24 hour period.
	House water supply is not connected, valve is not turned on fully, or valve is clogged.	Connect the fridge to a cold water supply with adequate pressure and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.
	Water filter has been exhausted.	It is recommended that you replace the water filter: • Approximately every six months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	Low house water supply pressure.	The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter. If the problem persists, it may be necessary to contact a plumber or install a booster pump to compensate for the low pressure.
	Reverse Osmosis filtration system is used.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to Water Pressure section.)
	Tubing connecting fridge to house supply valve is kinked.	The tubing can kink when the fridge is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.

Problem	Possible Causes	Solutions
Icemaker is not making enough ice (continued).	Doors are opened often or for long periods of time.	If the doors of the unit are opened often, ambient air will warm the fridge which will prevent the unit from maintaining the set temperature. Lowering the fridge temperature can help, as well as not opening the doors as frequently.
	Doors are not closed completely.	If the doors are not properly closed, ice production will be affected. See the Doors will not close completely or pop open section in Parts & Features Troubleshooting for more information.
	The temperature setting for the freezer is too warm.	The recommended temperature for the freezer compartment for normal ice production is minimum -18 degrees. If the freezer temperature is warmer, ice production will be affected.
Dispensing water slowly.	Water filter has become clogged and congested.	It is recommended that you replace the water filter: • Approximately every six months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	Reverse osmosis filtration system is used.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. If the problem persists, it may be necessary to contact a plumber or install a booster pump to compensate for the low pressure.
	Low house water supply pressure.	The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter. If the problem persists, it may be necessary to contact a plumber or install a booster pump to compensate for the low pressure.

ENGLISH

Problem	Possible Causes	Solutions
Not dispensing ice.	Doors are not closed completely.	Ice will not dispense if any of the fridge doors are left open.
	Infrequent use of the dispenser.	Infrequent use of the ice dispenser will cause the cubes to stick together over time, which will prevent them from properly dispensing. Check the ice bin for ice cubes clumping/sticking together. If they are, break up the ice cubes to allow for proper operation.
	The delivery chute is clogged with frost or ice fragments.	Eliminate the frost or ice fragments by removing the ice bin and clearing the chute with a plastic utensil. Dispensing cubed ice can also help prevent frost or ice fragment buildup.
	The dispenser display is locked.	Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	Ice bin is empty.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice. Make sure that the shutoff (arm/sensor) is not obstructed. Once the ice supply in the bin has been completely exhausted, it my take up to 90 minutes before additional ice is available, and approximately 24 hours to completely refill the bin.
Icemaker is not making ice.	Fridge was recently installed or icemaker recently connected.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice.
	Icemaker not turned on.	Locate the Ice On/Off button and confirm that it is turned On.
	The fridge is not connected to a water supply or the supply shutoff valve is not turned on.	Connect fridge to the water supply and turn the water shutoff valve fully open.
	Icemaker shutoff (feeler arm) obstructed.	If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors.
	Reverse osmosis water filtration system is connected to your cold water supply.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Water Pressure section.)

Problem	Possible Causes	Solutions
Not dispensing water.	New installation or water line recently connected.	Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	The dispenser panel is locked.	Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	The dispenser is not set for water dispensing.	The dispenser can be set for ice or water. Make certain that the control panel is set for the proper operation. Press the Water button on the control panel to dispense water.
	Fridge or freezer doors are not closed properly.	Water will not dispense if any of the fridge doors are left open.
	Water filter has been recently removed or replaced.	After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.
	Tubing connecting fridge to house supply valve is kinked.	The tubing can kink when the fridge is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.
	The house water supply is not connected, the valve is not turned on fully, or the valve is clogged.	Connect fridge to the water supply and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.
Icemaker is making too much ice.	Icemaker shutoff (arm/sensor) is obstructed.	Empty the ice bin. If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors. Reinstall the ice bin and wait 24 hours to confirm proper operation.

Problem	Possible Causes	Solutions
Ice has bad taste or odor.	Water supply contains minerals such as sulfur.	A water filter may need to be installed to eliminate taste and odor problems. NOTE: In some cases, a filter may not help. It may not be possible to remove all minerals / odor / taste in all water supplies.
	Icemaker was recently installed.	Discard the first few batches of ice to avoid discolored or bad tasting ice.
	Ice has been stored for too long.	Ice that has been stored for too long will shrink, become cloudy, and may develop a stale taste. Throw away old ice and make a new supply.
	The food has not been stored properly in either compartment.	Rewrap the food. Odors may migrate to the ice if food is not wrapped properly.
	The interior of the fridge needs to be cleaned.	See the Care and Cleaning section for more information.
	The ice storage bin needs to be cleaned.	Empty and wash the bin (discard old cubes). Make sure that the bin is completely dry before reinstalling it.
Dispensing warm water.	Fridge was recently installed.	Allow 24 hours after installation for the water storage tank to cool completely.
	The water dispenser has been used recently and the storage tank was exhausted.	Depending on your specific model, the water storage capacity will range from approximately 20 to 30 oz.
	Dispenser has not been used for several hours.	If the dispenser has not been used for several hours, the first glass dispensed may be warm. Discard the first 10 oz.
	Fridge is connected to the hot water supply.	Make sure that the fridge is connected to a cold water pipe. ⚠ WARNING: Connecting the fridge to a hot water line may damage the icemaker.
Water has bad taste or odor.	Water supply contains minerals such as sulfur.	A water filter may need to be installed to eliminate taste and odor problems.
	Water filter has been exhausted.	It is recommended that you replace the water filter: • Approximately every 6 months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	Fridge was recently installed.	Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.

Problem	Possible Causes	Solutions
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.

Disposal of your old appliance

- This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
- Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
- You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling