

OWNER'S MANUAL

FRENCH DOOR REFRIGERATOR

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

LNXS30996*



MFL70407901
Rev.02_120517

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PRODUCT FEATURES

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

FILTERED WATER AND ICE DISPENSER

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

DOOR ALARM

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

AUTO-CLOSING HINGE

The refrigerator doors close automatically with a slight push. (The door only closes automatically when it is open at an angle less than 30°.)

ICE PLUS

Ice production can be increased by approximately 20 percent when the freezer section is maintained at the coldest temperature for a 24-hour period.

SMART INSTAVIEW

You can see the inside of the fridge without opening the fridge door and create labels and expiration dates for food items.

PANORAMA VIEW

Every time the refrigerator door is opened and closed, an image of the refrigerator compartment is created. View the images by selecting each part of the fridge in the diagram.

LG ALEXA

LG Alexa is capable of voice interaction, music playback, making to-do lists, setting alarms, and providing weather and other real time information.

SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

This is the safety alert symbol.



This symbol alerts you to potential hazards that can kill or injure you and others.

All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:



WARNING

You may be killed or seriously injured if you do not follow instructions.



CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS



WARNING

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

California Proposition 65

- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **Wash hands after handling.** (USA only)

INSTALLATION

- To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Only connect this product to a dedicated grounded electrical outlet rated for use with this product (115V, 60 Hz, AC only). It is the user's responsibility to replace a standard 2-prong wall outlet with a standard 3-prong wall outlet.
- Do not use an outlet that can be turned off with a switch. Do not use an extension cord.
- The appliance must be positioned for easy access to a power source.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- Contact an authorized service center when installing or relocating the refrigerator.
- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.

- Keep packing materials out of the reach of children. Packaging material can be dangerous for children. There is a risk of suffocation.
- Do not install the refrigerator in a damp or dusty place where insulation on electrical parts may deteriorate.
- Do not place the refrigerator in direct sunlight or expose it to the heat from heating appliances such as stoves or heaters.
- Do not bend or pinch the power cord excessively or place heavy objects on it.

OPERATION

- Do not hit the glass door panel with excessive force. Do not allow hard objects like cookware or glass bottles to hit the glass door panel. The glass could break, resulting in a risk of personal injury or refrigerator damage.
- This product is not to be used for special purposes such as the storage of medicine or test materials or for use on ships, etc.
- DO NOT allow children to climb, stand, or hang on the refrigerator doors or on the shelves in the refrigerator. They could damage the refrigerator and seriously injure themselves.
- Do not allow children to climb into the refrigerator. They could be trapped and suffocated.
- Children should be supervised to ensure that they do not play with the refrigerator.
- Keep fingers out of pinch point areas; clearances between the doors and cabinets are necessarily small. Be careful closing doors when children are nearby.
- Do not touch frozen food or the metal parts in the freezer compartment with wet or damp hands. Doing so may cause frostbite.
- Do not refreeze frozen food that has thawed completely. Doing so may result in a serious health hazard.
- Do not use an adapter plug or plug the power plug into a multi-outlet extension cord.
- Do not use a cord that shows cracks or abrasion damage along its length or at either the plug or connector end. Immediately have all power cords that have become frayed or otherwise damaged repaired or replaced by qualified service personnel.
- Do not operate the refrigerator or touch the power cord with wet hands.
- Do not modify or extend the power cord.
- Do not use an uncertified power outlet. Do not plug appliance into a damaged wall outlet.
- Do not put hands, feet or other objects into the air vents or bottom of the refrigerator. Doing so could result in personal injury or electric shock.
- In the event of a gas leak (propane/LPG), ensure the area is adequately ventilated and contact an authorized service center before resuming use. Do not touch the refrigerator or power cord of the refrigerator.
- Disconnect the power cord immediately and contact an authorized service center if there is a strange noise, odor, or smoke coming from the appliance.
- Do not use any fuse (such as copper, steel wire, etc.) other than a standard fuse.
- Do not place or use an electrical appliance inside the refrigerator, unless it is of a type recommended by the manufacturer.
- Do not put animals inside the appliance.
- Do not place heavy or fragile objects, liquid filled containers, combustible substances, or flammable objects (such as candles and lamps) on the appliance.
- Avoid contact with any moving parts of the ejector mechanism or with the heater that releases the ice cubes. DO NOT place fingers in the automatic icemaker when the refrigerator is plugged in.
- When dispensing ice from the dispenser, do not use a fragile container.
- If connected to a circuit protected by fuses, use time delay fuse.

MAINTENANCE

- Do not use a hair dryer to dry the inside of the refrigerator.
- Do not light a candle to remove odors in the refrigerator.
- In the event of a refrigerant leak, move flammable objects away from the refrigerator. Ensure the area is adequately ventilated and contact an authorized service center.
- Keep flammable materials and vapors, such as gasoline, away from the refrigerator.
- 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 have been given supervision or instruction concerning 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.
- Unplug the power plug before cleaning or repairing the refrigerator.
- The refrigerator and freezer compartment lights are interior LED lighting, and service should be performed by a qualified technician.
- Unplug the power plug immediately in the event of a blackout or thunderstorm.
- Turn the power off if water or dust penetrates into the refrigerator. Call a service agent.
- Do not store glass containers or soda in the freezer compartment. Contents may expand when frozen, break the container and cause injury.
- Do not store, disassemble or repair the appliance yourself or allow unqualified personnel to do so.
- Do not use or place flammable substances (chemicals, medicine, cosmetics, etc) near the refrigerator or store them inside the refrigerator. Do not place the refrigerator in the vicinity of flammable gas.

DISPOSAL

- Junked or abandoned refrigerators are dangerous, even if they are sitting for only a few days. When disposing of the refrigerator, 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 disposing of a refrigerator, make sure the refrigerant is removed for proper disposal by a qualified servicer. If you release the refrigerant, you may be fined or imprisoned in accordance with the relevant environmental law.

GROUNDING INSTRUCTIONS

- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service personnel if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- Have a qualified electrician check the wall outlet and wiring for proper grounding.
- Never unplug the appliance by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet. Failure to do so may damage the power cord, resulting in a risk of fire and electric shock.

CAUTION

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

INSTALLATION

- Do not install the refrigerator where there may be a danger of the unit falling.
- The refrigerator must be properly installed in accordance with the Installation Instructions.

OPERATION

- Do not use aerosols near the refrigerator.
- This appliance is intended to be used only in domestic and similar applications.
- Do not strike or apply excessive force to any glass surface. Do not touch glass surfaces if they are cracked or broken.
- Do not overfill or pack items too tightly into door bins. Doing so may cause damage to the bin or personal injury if items are removed with excessive force.
- Do not overfill the appliance with food. Doing so may cause personal injury or property damage.
- Do not hang on to or place heavy objects on the refrigerator's dispenser.
- Do not open the appliance door while the door-in-door is open, or open the door-in-door while the appliance door is open. The door-in-door may strike the edge of the appliance and be damaged.

MAINTENANCE

- Do not use strong detergents like wax or thinners for cleaning. Clean with a soft cloth.
- Remove foreign objects (such as dust and water) off the prongs of the power plug and contact areas. Do not use a wet or damp cloth when cleaning the plug.
- Do not spray water directly on the inside or outside of the refrigerator.
- Do not clean glass shelves or covers with warm water when they are cold. They may break if exposed to sudden temperature changes.

SAVE THESE INSTRUCTIONS

PRODUCT SPECIFICATIONS

The appearance and specifications listed in this manual may vary due to constant product improvements.

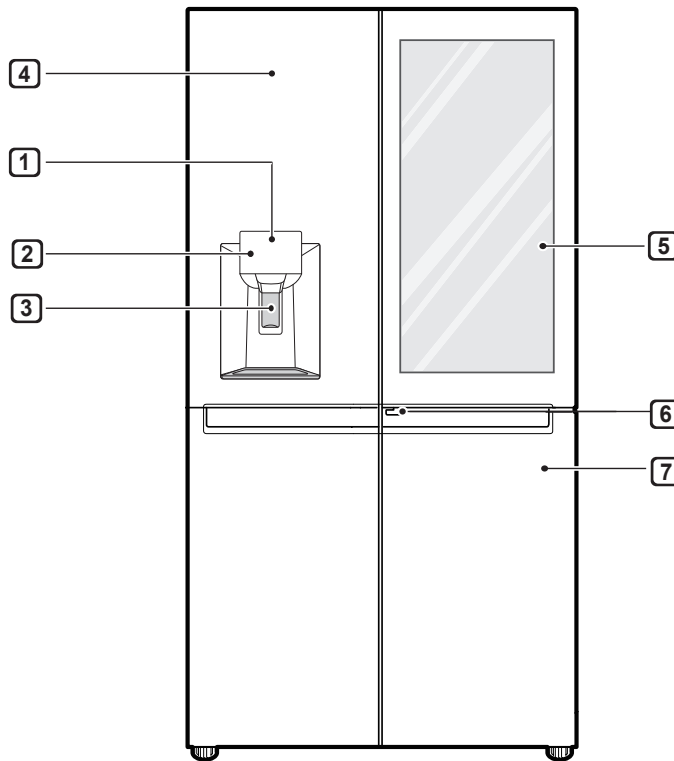
Electrical requirements: 115 V, 60 Hz
Min. / Max. water pressure: 20 - 120 psi (138 - 827 kPa)

Model	LNXS30996*
Description	French door refrigerator
Net weight	410lb (186kg)

PRODUCT OVERVIEW

The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

Exterior



1 LED Display

Displays the refrigerator and freezer temperature, the water filter condition and the dispenser mode.

2 Control Panel

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

3 Filtered Water and Ice Dispenser

Dispenses purified water and ice.

4 Refrigerator

Preserves food.

5 Smart InstaView Display

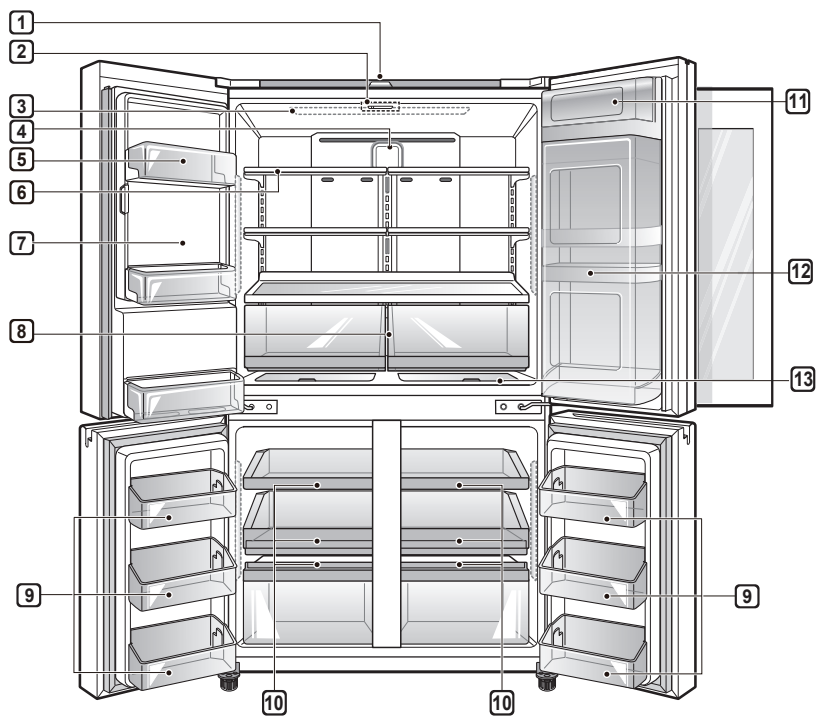
6 Door Button

Opens the Door-in-Door Compartment.

7 Freezer

Preserves frozen food.

Interior



1 Bluetooth Speaker

Refer to the speaker manual packed with the refrigerator.

2 Panorama View Camera

Every time the refrigerator door is opened and closed, an image of the refrigerator compartment is created.

3 LED Interior Lighting

Lights up the inside of the refrigerator.

4 Fresh Air Filter

The Fresh Air Filter helps remove odors from the refrigerator.

5 Refrigerator Bin

Store beverages, water, etc.

6 Adjustable Refrigerator Shelf

The refrigerator shelves are adjustable to meet individual storage needs.

7 Indoor Ice Bin

Ice cubes are automatically produced.

8 Big Fresh Zone

Preserve vegetables and fruits.

9 Freezer Bin

Preserve small packaged frozen food or frequently used foods.

10 Freezer Drawer

Store long-term frozen items. The number of drawers may vary by model.

11 Dairy Corner

Used to preserve dairy products.

12 Door-in-Door Case

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

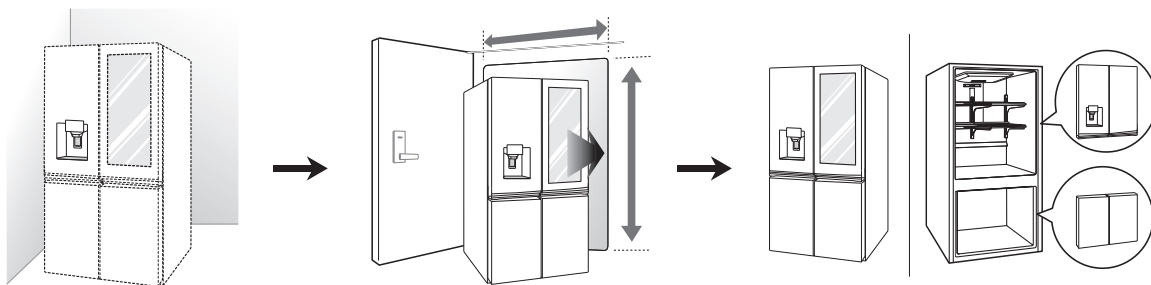
13 EasyReach™

Store small items, or defrost an item.

INSTALLATION

Installation Overview

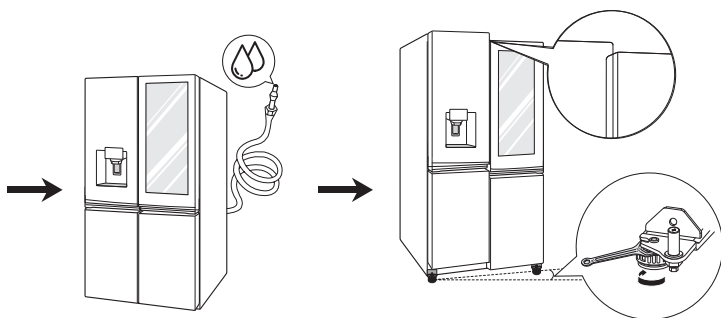
Please read the following installation instructions first after purchasing this product or transporting it to another location.



Unpacking the Refrigerator

Choosing the Proper Location

Disassembling/
Assembling



Connecting the Water Line

Leveling and Door Alignment

CAUTION

- Connect to potable water supply only.

Unpacking the Refrigerator

WARNING

- Use two or more people to move and install the refrigerator. Failure to do so can result in back injury or other injury.
- The refrigerator is heavy. Protect the floor when moving the refrigerator for cleaning or service. Always pull the refrigerator straight out when moving it. Do not wiggle or walk the refrigerator when trying to move it, as floor damage could occur.
- Keep flammable materials and vapors, such as gasoline, away from the refrigerator. Failure to do so can result in fire, explosion, or death.

NOTE

- Remove tape and any temporary labels from your refrigerator before using. Do not remove any warning labels, the model and serial number label, or the Tech Sheet that is located under the front of the refrigerator.
- 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 refrigerator.
- Reinstall or adjust shelves as needed. Refrigerator shelves are installed in the shipping position. Reinstall shelves according to your individual storage needs.

Choosing the Proper Location

Water

Water supply must 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 refrigerator is installed in an area with low water pressure (below 20 psi or 138 kPa or 1.4 kgf/cm²), you can install a booster pump to compensate for the low pressure.

Electricity

Use an individual, grounded outlet: 115 Volts, 60 Hz, AC, 15 Amps minimum.

WARNING

- Do not overload house wiring and cause a fire hazard by plugging in multiple appliances in the same outlet with the refrigerator.
- To reduce the risk of electric shock, do not install the refrigerator in a wet or damp area.

Flooring

To avoid noise and vibration, the unit must be installed and leveled on a solidly constructed floor. If required, adjust the leveling legs to compensate for the unevenness of the floor.

NOTE

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

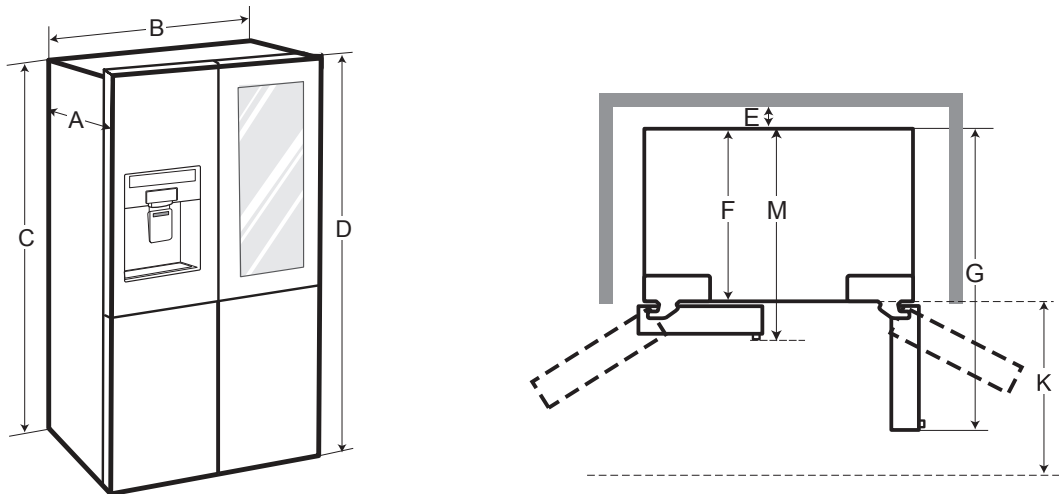
Ambient Temperature

Install this appliance in an area where the temperature is between 55 °F (13 °C) and 110 °F (43 °C).

If the temperature around the appliance is too low or high, cooling ability may be adversely affected.

Dimensions and Clearances

- Check the dimensions of the appliance and the installation path to ensure there is sufficient room to move the refrigerator through doors or narrow openings.
- If an opening is too narrow to fit the refrigerator through, the doors must be removed. The right door can only be removed by authorized LG service personnel. Call an LG Customer Information Center and arrange for service personnel to be present at the time of installation, if necessary.
- The installation location chosen for the refrigerator should allow space behind the unit for connections and airflow and space in front to open the doors and drawers.
- Too small of a distance from adjacent items may result in lowered freezing capability and increased electricity consumption charges. Allow at least 24 inches (610 mm) in front of the refrigerator to open the doors, and at least 2 inches (50.8 mm) between the back of the refrigerator and the wall.



-	List	LNXS30996*
A	Depth without handle	36 3/8" (923 mm)
B	Width	35 7/8" (912 mm)
C	Height to Top of Case	70 3/4" (1797 mm)
D	Height to Top of Hinge	70 1/2" (1790 mm)
E	Back Clearance	2" (50 mm)
F	Depth without Door	31 3/8" (797 mm)
G	Depth (Total with Door Open 90°)	49 3/4" (1263 mm)
K	Front Clearance	24" (610 mm)
M	Depth with Handle	36 3/8" (923 mm)

Removing/Assembling the Doors

If the entrance door is too narrow for the refrigerator to pass through, remove the refrigerator doors and move the refrigerator sideways through the doorway.

The right refrigerator door must only be removed by authorized LG service personnel. Call an LG Customer Information Center and arrange for service personnel to be present at the time of installation, if necessary.

! WARNING

- Use two or more people to remove and install the refrigerator and freezer doors.
- Disconnect the electrical supply to the refrigerator before installing.
- Do not put hands, feet or other objects into the air vents or bottom of the refrigerator.
- Be careful when handling the hinge and stopper.
- Remove food and bins before detaching the doors.
- Do not hold the handle when removing or replacing the doors as the handle may come off.

Tools Needed

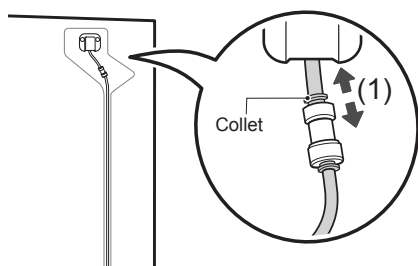
3/32 in. Allen wrench

1/8 in. Allen wrench

1/4 in. Allen wrench

Removing the Left Refrigerator Door

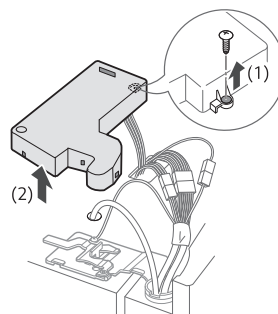
- 1 The water supply is connected to the upper right part of the rear surface of the refrigerator. Remove the ring in the joint area. Hold the water supply connection and gently push the collet to detach the water supply line as shown (1).



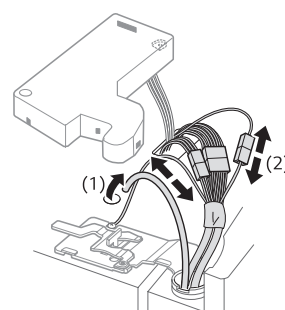
NOTE

- Detachment of the water supply line is necessary only when detaching the left refrigerator door.

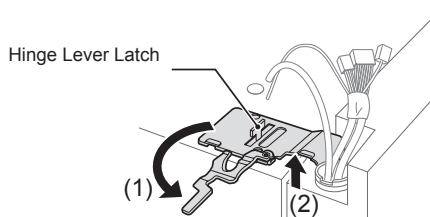
- 2 Remove the screw (1) from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover (2) with a flat-head screwdriver.



- 3 Remove the cover and pull out the water supply tube (1). Disconnect all wire harnesses (2).



- 4 Rotate the hinge lever counterclockwise (1). Lift the top hinge (2) free of the hinge lever latch.

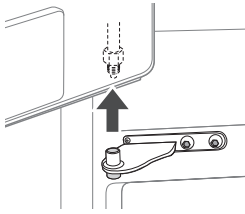


! CAUTION

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

16 INSTALLATION

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

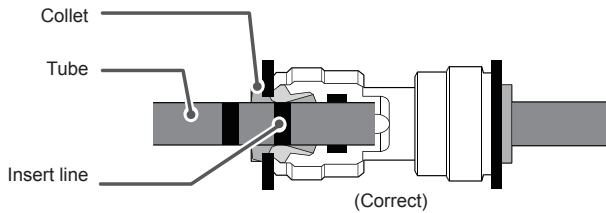


CAUTION

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

NOTE

Disassembling/Assembling the Water Lines

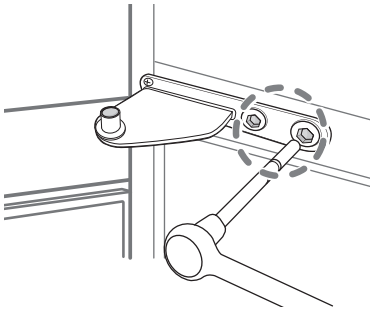


Removing the Right Refrigerator Door

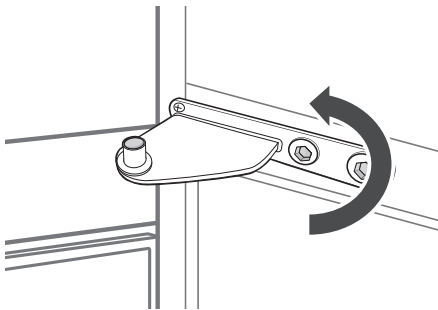
The right refrigerator door must be removed by authorized LG service personnel only. Call an LG Customer Information Center and arrange for service, if necessary.

Removing the Freezer Doors

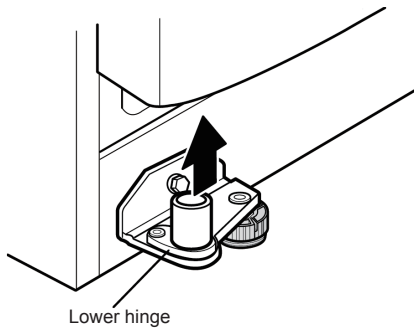
- 1 Remove the two hinge bolts.



- 2 Rotate the hinge out of the way so that the door can be lifted off.

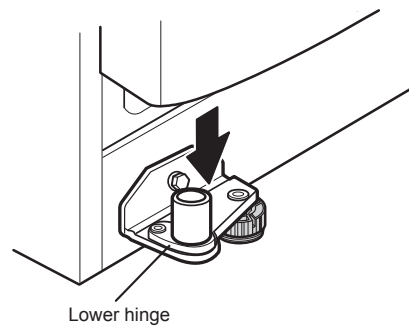


- 3 Remove the door by raising it from the lower hinge.

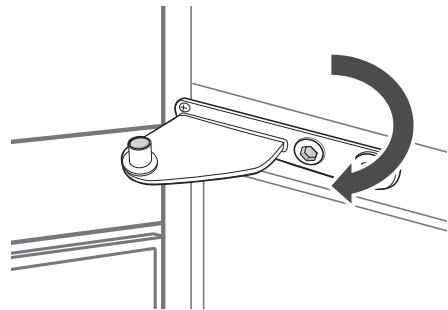


Assembling the Freezer Doors

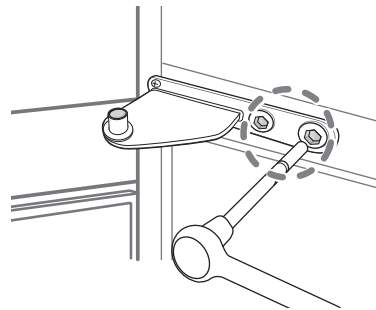
- 1 Lower the door onto the lower hinge pin.



- 2 Position the middle hinge pin in place to hold the door and insert the two hinge bolts.



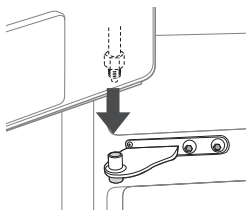
- 3 Tighten the two hinge bolts.



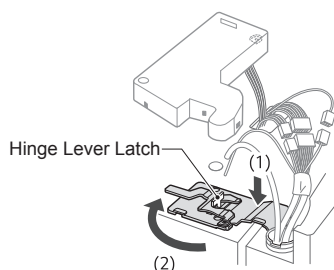
Assembling the Left Refrigerator Door

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

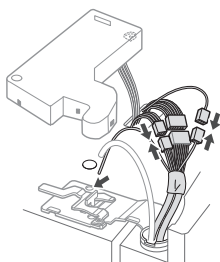
- 1 Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



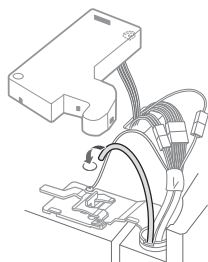
- 2 Fit the hinge (1) over the hinge lever latch and slot it into place. Rotate the lever clockwise (2) and fasten the hinge.



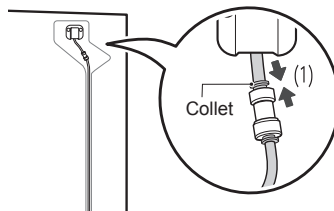
- 3 Connect all the wire harnesses.



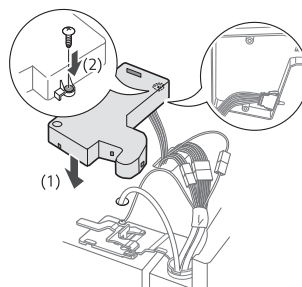
- 4 Push the water supply tube into the hole on the top case and pull it through the backplate.



- 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.

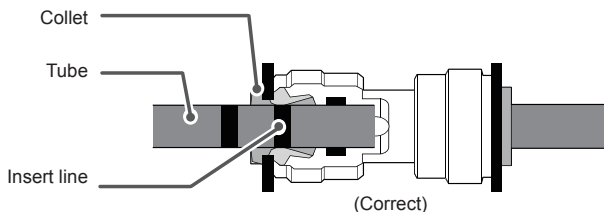


- 6 Make sure that the door-switch located inside the cover is tightly connected. Place the cover (1) in its position and tighten the cover screw (2).

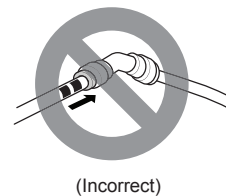
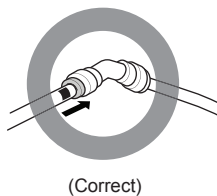


NOTE

Disassembling/Assembling the Water Lines



- Gently press the collet and insert the tube until only one line shows on the tube.



Connecting the Water Line

Before Beginning

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

If necessary, call a qualified plumber to correct water hammer before installing the water supply line to the refrigerator. Water banging in the pipes, or water hammer in residential plumbing can cause damage to refrigerator parts and lead to water leakage or flooding.

- Turn the icemaker OFF if the refrigerator will be used before the water line is connected.
- Do not install the icemaker tubing in areas where the ambient temperatures fall below freezing.

WARNING

- Connect to potable water supply only.

CAUTION

- To prevent burns and product damage, only connect the refrigerator water line to a cold water supply.
- Wear eye protection during installation to prevent injury.

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 276-827kPa 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 waterline installation is not covered by the refrigerator warranty. Follow the instructions carefully to minimize the risk of expensive water damage.

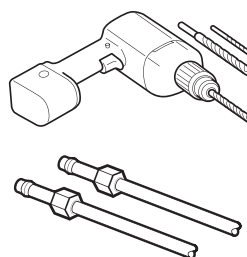
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276-414 kPa or 2.8-4.2 kgf/cm², less than 2.0-3.0 sec. to fill a cup of 7 oz or 198 cc capacity).

If the water pressure from the reverse osmosis system is less than 20 psi or 138 kPa or 1.4 kgf/cm² (takes more than 4 seconds to fill a cup of 7 oz or 198 cc capacity):

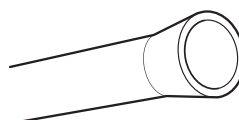
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the water pressure remains low, call a licensed, qualified plumber.
- All installations must be in accordance with local plumbing code requirements.

Supplies Needed

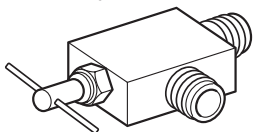
- **Copper or PEX Tubing**, ¼ in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square. To determine how much tubing you need, measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (2.4 m). Be sure there is sufficient extra tubing (about 8 feet [2.4 m] coiled into 3 turns of about 10 in. [25 cm] diameter) to allow the refrigerator to move out from the wall after installation.
- **Power drill.**
- **½ in. or adjustable wrench.**
- **Flat-blade and Phillips-head screwdrivers.**
- **Two ¼ in. outer diameter compression nuts and 2 ferrules (sleeves)** to connect the copper tubing to the shutoff valve and the refrigerator water valve.



- If your existing copper water line has a flared fitting at the end, purchase an adapter (available at plumbing supply stores) to connect the water line to the refrigerator OR cut off the flared fitting with a tube cutter and then use a compression fitting.



- Shutoff valve to connect to the cold water line. The shutoff valve should have a water inlet with a minimum inside diameter of 5/32 in. at the point of connection to the COLD WATER LINE. Saddle-type shutoff valves are included in many water supply kits. Before purchasing, make sure a saddle-type valve complies with your local plumbing codes.

**NOTE**

- A self-piercing saddle type water valve should not be used.

Water Line Installation Instructions**⚠ WARNING****Electric Shock Hazard:**

- When using any electrical device (such as a power drill) during installation, be sure the device is battery-powered, double-insulated or grounded in a manner that will prevent the hazard of electric shock.

Install the shutoff valve on the nearest frequently used drinking water line.

1 Shut off the main water supply.

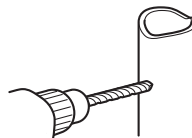
Turn on the nearest faucet to relieve the pressure on the line.

2 Choose the valve location.

Choose a location for the valve that is easily accessible. It is best to connect into the side of a vertical water pipe. When it is necessary to connect into a horizontal water pipe, make the connection to the top or side, rather than at the bottom, to avoid drawing off any sediment from the water pipe.

**3 Drill the hole for the valve.**

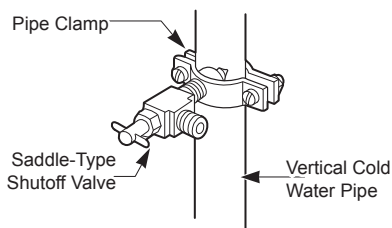
- Drill a 1/4 in. hole in the water pipe using a sharp bit. Remove any burrs resulting from drilling the hole in the pipe. Be careful not to allow water to drain into the drill. Failure to drill a 1/4 in. hole may result in reduced ice production or smaller cubes.

**NOTE**

- The hookup line cannot be white, plastic tubing. Licensed plumbers must use only copper tubing (NDA tubing #49595 or #49599) or Cross Link Polyethylene (PEX) tubing.

4 Fasten the shutoff valve.

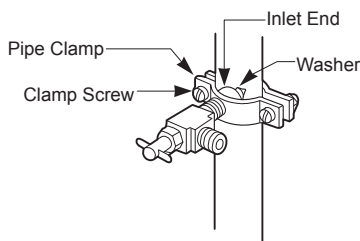
Fasten the shutoff valve to the cold water pipe with the pipe clamp.

**NOTE**

- Commonwealth of Massachusetts Plumbing Codes 248CMR shall be adhered to. Saddle valves are illegal and use is not permitted in Massachusetts. Consult with your licensed plumber.

5 Tighten the pipe clamp.

Tighten the clamp screws until the sealing washer begins to swell.

**NOTE**

- Do not over tighten clamp or you may crush the tubing.

6 Route the tubing.

Route the tubing between the cold water line and the refrigerator.

Route the tubing through a hole drilled in the wall or floor (behind the refrigerator or adjacent base cabinet) as close to the wall as possible.

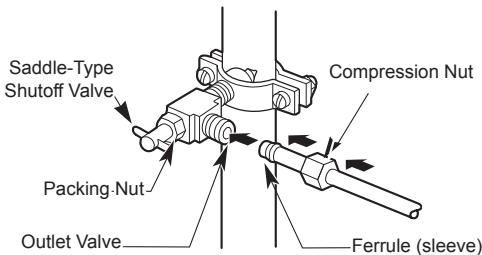
NOTE

- Be sure there is sufficient extra tubing (about 8 ft. coiled into three turns of about 10 in. diameter) to allow the refrigerator to move out from the wall after installation.

7 Connect the tubing to the valve.

Place the compression nut and ferrule (sleeve) for copper tubing onto the end of the tubing and connect it to the shutoff valve.

Make sure the tubing is fully inserted into the valve. Tighten the compression nut securely.



8 Flush out the tubing.

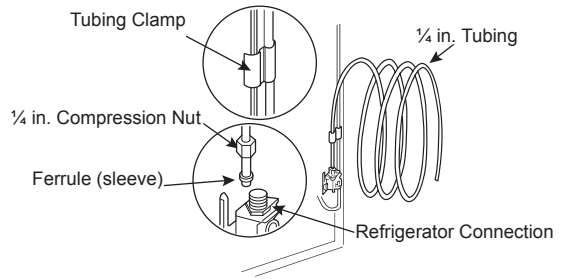
Turn the main water supply on and flush out the tubing until the water is clear. Shut the water off at the water valve after about one quart of water has been flushed through the tubing.



9 Connect the tubing to the refrigerator.

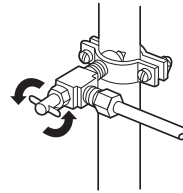
NOTE

- Before making the connection to the refrigerator, be sure that the refrigerator power cord is not plugged into the wall outlet.
- Remove the plastic flexible cap from the water valve.
- Place the compression nut and ferrule (sleeve) onto the end of the tubing as shown.
- Insert the end of the copper tubing into the connection as far as possible. While holding the tubing, tighten the fitting.



10 Turn the water on at the shutoff valve.

Tighten any connections that leak.

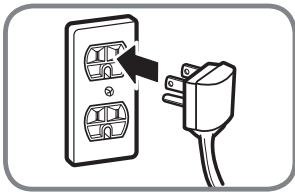


CAUTION

- Check for leaks at all water line connections.

Turning on the Power

- After installing, plug the refrigerator's power cord into a 3-prong grounded outlet and push the refrigerator into the final position.



CAUTION

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

Position the Refrigerator

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

Start the Icemaker

- If the water line is connected, set the icemaker power switch to the ON position.
- The icemaker will not begin to operate until it reaches its operating temperature of 15 °F (–9 °C) or below. It will then begin operation automatically if the icemaker power switch is in the ON (I) position.

Leveling and Door Alignment

Leveling

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

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

NOTE

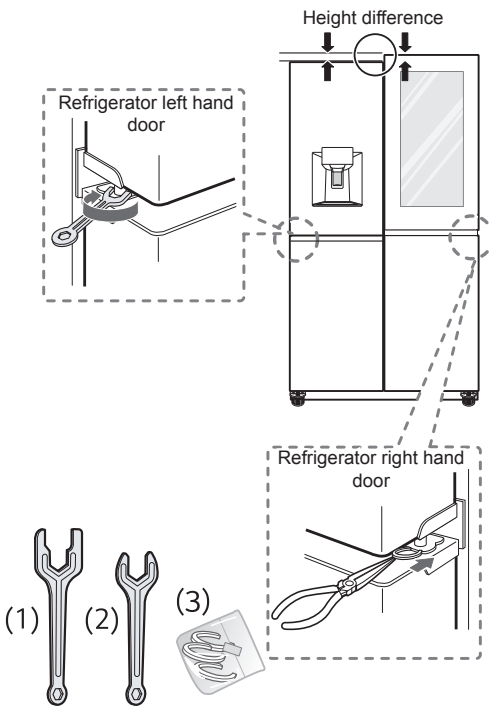
- A flare nut wrench works best, but an open-end wrench will suffice. Do not over-tighten.
- 2 Open both doors and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs to the left. It may take several more turns, and be sure to turn both leveling legs the same amount.

Door Alignment

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

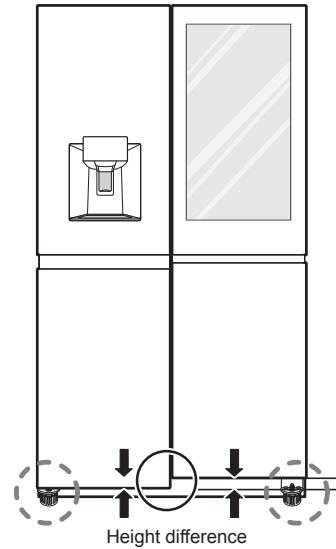
Refrigerator Door Alignment

- If either refrigerator door is lower, open the door, lift it, and turn the hinge bolt using the wrench as shown. (For upper refrigerator doors, use wrench 1.)
- 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 a snap ring (3) as shown in the drawing, until the doors are aligned.



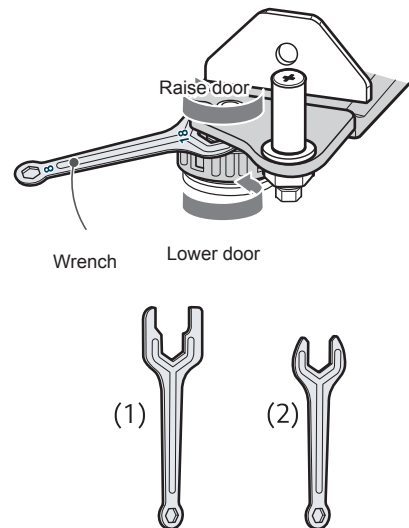
Freezer Door Alignment

- Method 1 is recommended.
- For freezer doors, use wrench (2).



Method 1

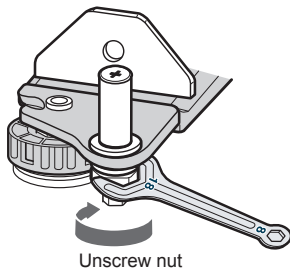
Open the door, and adjust the height by tightening the nut above the foot with the wrench (2).



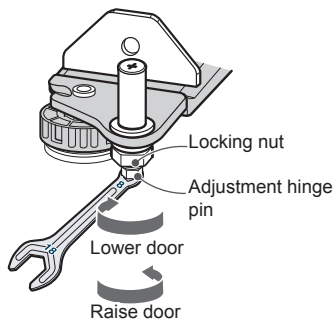
Method 2

- Only allows a maximum of 3mm of adjustment.

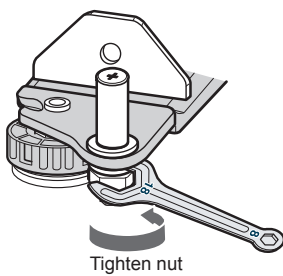
- 1 Use the wider side of the number (2) wrench to unscrew the locking nut.



- 2 Use the narrower side of the wrench to turn the adjustment hinge pin clockwise or counterclockwise, and adjust the gap difference between the refrigerator and the freezer door.



- 3 After the door heights are adjusted, completely tighten the locking nut by turning it counterclockwise.



CAUTION

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

OPERATION

Before Use



Clean the refrigerator.

Clean the refrigerator thoroughly and wipe off all dust that accumulated during shipping.

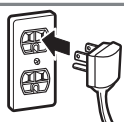
⚠ CAUTION

- Do not scratch the refrigerator 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 refrigerator. Remove adhesive residue by wiping it off with your thumb or dish detergent.
- Do not peel off the model or serial number label or the technical information on the rear surface of the refrigerator.



Open refrigerator and freezer doors to ventilate the interior.

The inside of the refrigerator may smell like plastic at first. Remove any adhesive tape from inside the refrigerator and open the refrigerator and freezer doors for ventilation.



Connect the power supply.

Check if the power supply is connected before use.

Read the "Turning On The Power" section.



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

Turn off the automatic icemaker and then plug the power plug of the refrigerator into the grounded electrical outlet. (This applies only to models with icemakers.)

⚠ CAUTION

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

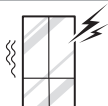


Wait for the refrigerator to cool.

Allow the refrigerator to run for at least two to three 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 refrigerator before it has cooled could cause the food to spoil, or a bad odor to remain inside the refrigerator.



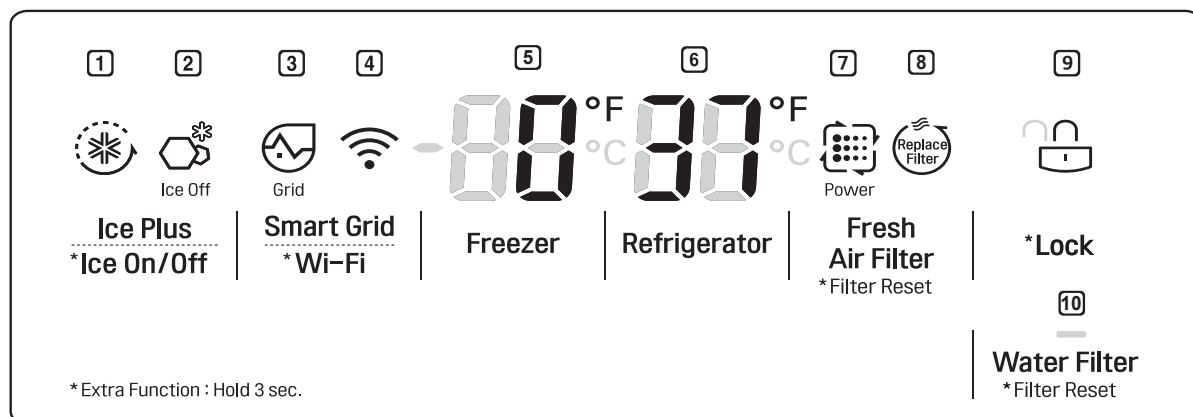
The refrigerator makes a loud noise after initial operation.

This is normal. The volume will decrease as the temperature decreases.

Control Panel

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

Control Panel Features



NOTE

- When the refrigerator is in the Power Saving Mode, the display remains off until a door is opened or a button is pressed. Once on, the display remains on for 20 seconds.

1 Ice Plus

This function increases both ice making and freezing capabilities.

- Press the **Ice Plus** button to illuminate the icon and activate the function for 24 hours. The function automatically shuts off after 24 hours.
- Stop the function manually by pressing the button once more.

2 * Ice On/Off

Press the **Ice On/Off** button for three seconds to turn the icemaker on/off.

3 Smart Grid

Press the **Smart Grid** button to turn the Smart Grid function On/Off. When the function is on, the icon illuminates. The Smart Grid function automatically turns on when the refrigerator is connected to the Wi-Fi network.

When the refrigerator is responding to a Demand Response (DR) message from the electric company, the Grid text illuminates.

4 * Wi-Fi

Press and hold the **Wi-Fi** button for 3 seconds to connect to the network.

5 Freezer Temperature

Indicates the set temperature of the freezer compartment in Celsius (°C) or Fahrenheit (°F).

The default freezer temperature is 0°F (-18 °C). Press the **Freezer** button repeatedly to select a new set temperature from -6 °F to 8 °F (-21 °C to -13 °C).

NOTE

- To change the temperature mode from °F to °C (or vice versa) press and hold the **Refrigerator** and **Freezer Temperature** buttons simultaneously for approximately five seconds. The temperature indicator on the display window switches between Celsius and Fahrenheit.
- The displayed temperature is the target temperature, and not the actual temperature of the refrigerator. The actual refrigerator temperature depends on the food inside the refrigerator.

6 Refrigerator Temperature

Indicates the set temperature of the refrigerator compartment in Celsius (°C) or Fahrenheit (°F). The default refrigerator temperature is 37 °F (3 °C). Press the **Refrigerator** button repeatedly to select a new set temperature from 33 °F to 46 °F (1 °C to 8 °C).

7 Fresh Air Filter

The Fresh Air Filter helps remove odors from the refrigerator. The Fresh Air Filter has two settings, Auto and Power. In Auto mode, the Fresh Air Filter cycles on and off in increments of ten minutes on and 110 minutes off. If set to the Power mode, the Fresh Air Filter stays on continuously for four hours, cycling on and off in increments of ten minutes on and five minutes off. After four hours, the Fresh Air Filter switches back to Auto mode.

- Press the **Fresh Air Filter** button repeatedly to toggle between Power mode and Auto mode.

NOTE

- Replace the air filter when the **Replace Filter** icon turns on. After replacing the air filter, press and hold the **Fresh Air Filter** button for three seconds to turn the icon light off. Replace the air filter approximately every six months.

8 Replace Filter

When the Replace Filter icon turns on, the air filter needs to be replaced. After replacing the air filter, press and hold the Fresh Air Filter button for three seconds to turn the icon light off. Changing the air filter approximately every six months is recommended.

9 * Lock

The Lock function disables every other button on the display.

- When power is initially connected to the refrigerator, the Lock function is off.
- To lock the control panel buttons, press and hold the **Lock** button until the closed **Lock** icon appears in the display and the function is activated.
- To disable the Lock function, press and hold the **Lock** button for approximately three seconds.

10 Water Filter

Replace the water filter when the **Replace Filter** icon turns on. After replacing the water filter, press and hold the **Water Filter** button for three seconds to turn the icon light off. Replace the water filter approximately every six months.

! CAUTION**Display Mode (For Store Use Only)**

- The Display Mode disables all cooling in the refrigerator and freezer sections to conserve energy while on display in a retail store. When activated, OFF is displayed on the control panel and the display remains on for 20 seconds.

To deactivate / activate:

- With either refrigerator door opened, press and hold the Refrigerator and Ice Plus buttons at the same time for five seconds. The control panel beeps and the temperature settings display to confirm that Display Mode is deactivated. Use the same procedure to activate Display Mode.

Smart InstaView Display

Touch the Smart InstaView display once to wake it up and display weather information.

Touch the Smart InstaView display again to display the last application used.

Touch the applications button (■) at the bottom left of the display to view all applications.

NOTE

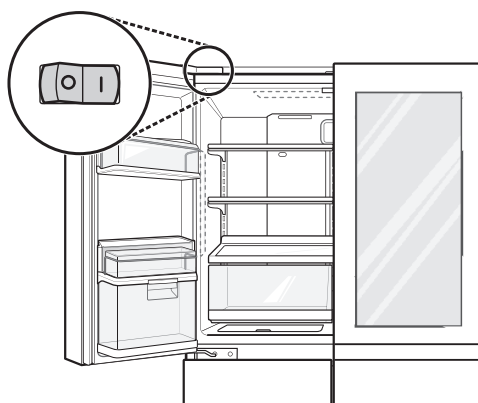
- The Smart InstaView display turns on:
 - when the power is turned on,
 - when the screen is touched, and
 - when a fridge compartment door or the door-in-door is opened.
- The Smart InstaView display turns off automatically to save energy:
- Buttons on the display react in response to objects that have static electricity.
- If the display is off, touching it once will wake it up. Touch the display again to activate the desired function.
- If there is any finger or skin contact with the Smart InstaView display while cleaning it, the button functions may operate.
- Buttons may not function properly if the display is dirty or you touch it through a cloth or gloves.
- If the display is wet, it may not work or buttons may malfunction.

Turning Smart InstaView Display On/Off

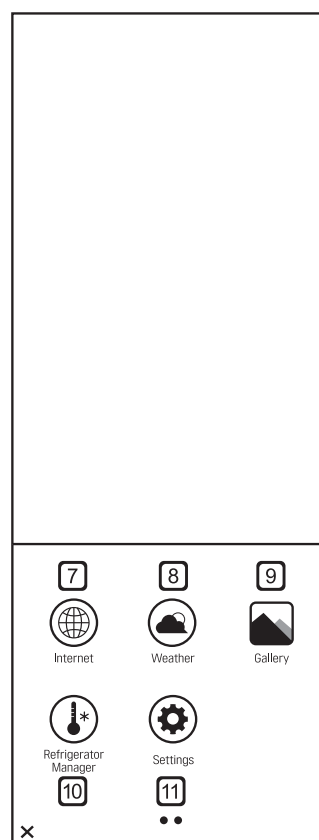
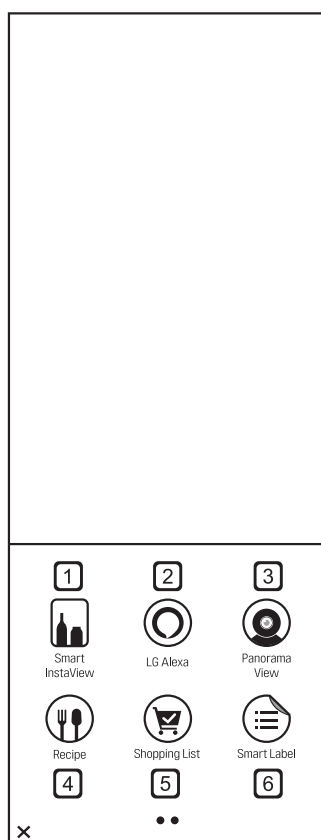
The Smart InstaView display power can be turned on or off by pressing the switch on the back of the top left hinge cover.

NOTE

- If the Smart InstaView display, camera, or Wi-Fi function does not operate normally, toggle the switch to the Off (O) position and then back On (|). The Smart InstaView display, camera, and Wi-Fi should then operate properly.
- Turning off the Smart InstaView display disables all Wi-Fi functions. The Smart Grid function and all other smart functions will not work. The switch does not affect the food storage function.



Applications



1 Smart InstaView

See inside the fridge without opening the fridge door. Create labels and expiration dates for food items.

2 LG Alexa

Ask LG Alexa questions. ("Alexa, how is the weather today?")

3 Panorama View

Check the shelves and door bins without opening the fridge.

4 Recipe

Search through hundreds of preloaded recipes.

5 Shopping List

Create and manage shopping lists.

Check your shopping lists remotely with the SmartThinQ application.

6 Smart Label

See labels or expiration dates you have created for food items.

7 Internet

Search the internet for recipes or other information.

8 Weather

Check weather information.

9 Gallery

Upload and manage photos through the SmartThinQ application.

10 Refrigerator Manager

Manage functions such as the refrigerator temperature, freezer temperature, and door alarm.

11 Settings

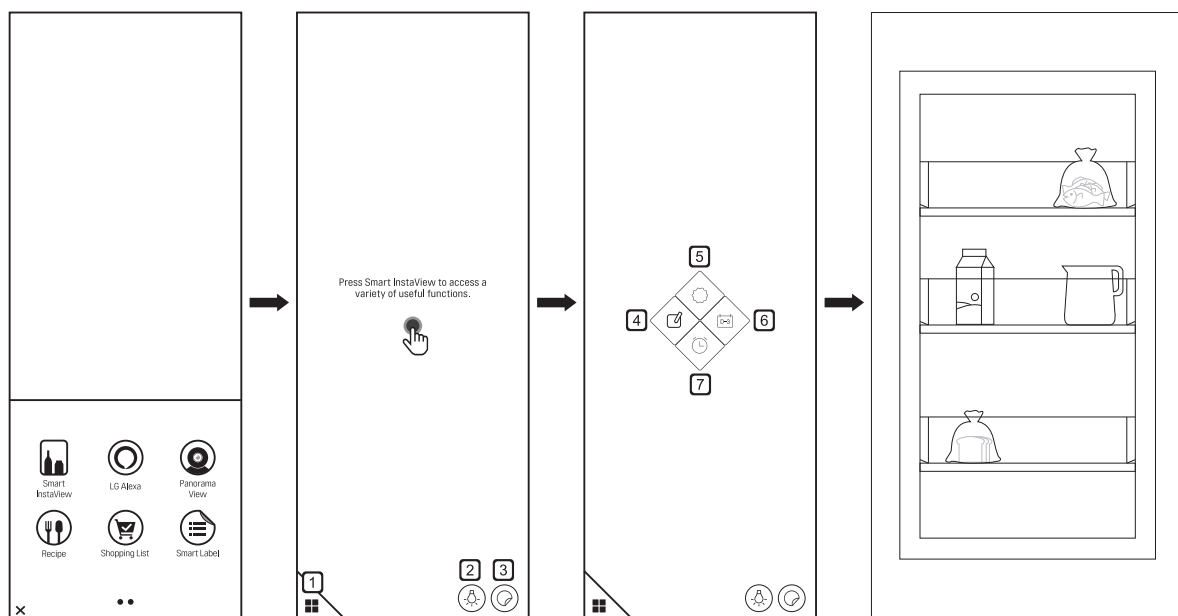
Set up notifications and change settings such as date and time and screen brightness.

Smart InstaView

Select the Smart InstaView application and touch the screen to bring up the smart label menu.

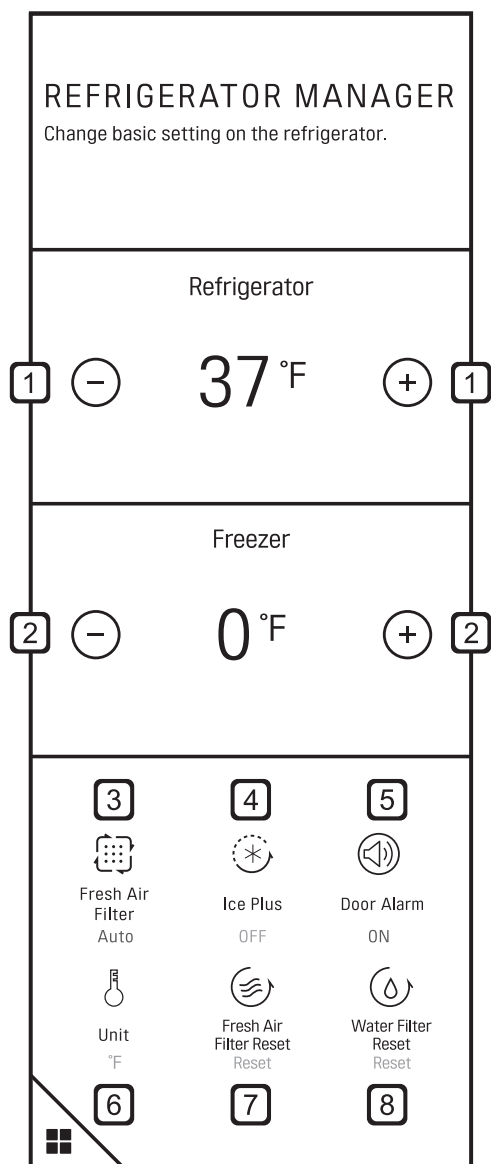
The smart label menu includes features that are useful for food management.

Use these features to set a kitchen timer, label food items, or input the expiration date for each item so the refrigerator can remind you when foods are near expiration.



- 1** Shows all applications.
- 2** Turns the LED lamp on or off, switching the glass from clear to frosted.
- 3** Shows or hides smart labels (memos, stickers, expiration dates, and timers).
- 4** Write a memo to display on the screen.
- 5** Create a sticker to label food items on the screen.
- 6** Set food expiration dates for display on the screen.
- 7** Set a timer to appear on the screen.

Refrigerator Manager



1 Refrigerator Temperature

Indicates the set temperature of the refrigerator compartment in Celsius (°C) or Fahrenheit (°F). The default refrigerator temperature is 37 °F (3 °C). Press the – or + button to select a new set temperature from 33 °F to 46 °F (1 °C to 8 °C).

2 Freezer Temperature

Indicates the set temperature of the freezer compartment in Celsius (°C) or Fahrenheit (°F). The default freezer temperature is 0 °F (-18 °C). Press – or + button to select a new set temperature from -6 °F to 8 °F (-21 °C to -13 °C).

3 Fresh Air Filter

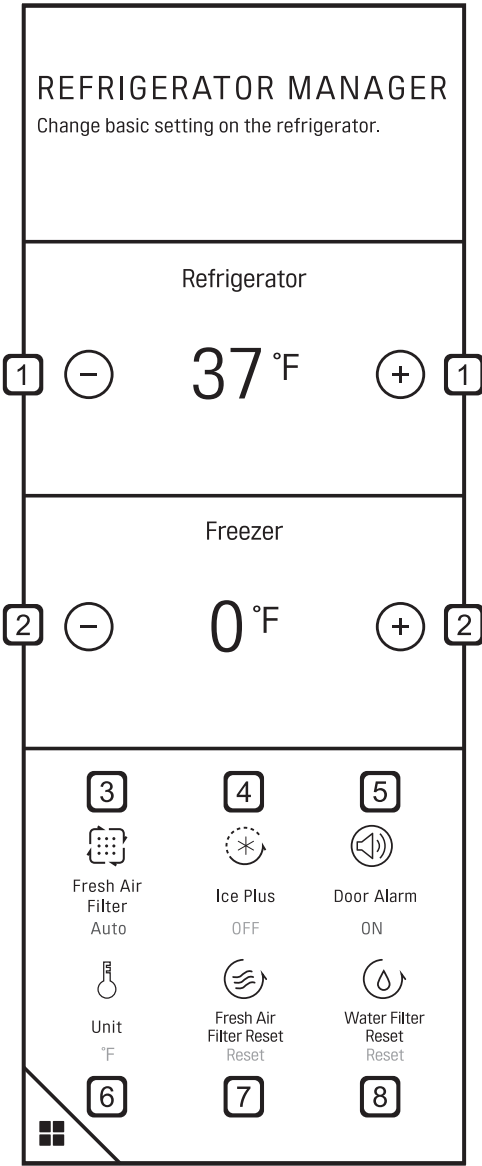
The Fresh Air Filter helps remove odors from the refrigerator. The Fresh Air Filter has two settings, Auto and Power. In Auto mode, the Fresh Air Filter cycles on and off in increments of 10 minutes on and 110 minutes off. If set to the Power mode, the Fresh Air Filter stays on continuously for 4 hours, cycling on and off in increments of 10 minutes on and 5 minutes off. After 4 hours, the Fresh Air Filter switches back to Auto mode.

- Press the Fresh Air Filter button repeatedly to toggle between Power mode and Auto mode.

4 Ice Plus

This function increases both ice making and freezing capabilities.

- Press the Ice Plus button to activate the function for 24 hours. The function automatically shuts off after 24 hours.
- Stop the function manually by pressing the button once more.



- 5

Door Alarm

A chime sounds if the refrigerator door is left open. Press the Door Alarm button to turn the chime on or off.
- 6

Unit

Press the Unit button to change the temperature mode from °F to °C (or vice versa) . The temperature indicator on the display window switches between Celsius and Fahrenheit.
- 7

Fresh Air Filter Reset

Replace the air filter when the **Fresh Air Filter Reset** icon turns on. After replacing, press the Reset button.

 - When it's time to replace the air filter, the Reset function is activated and an alert appears at the top of the screen.
 - Replace the air filter approximately every six months.
- 8

Water Filter Reset

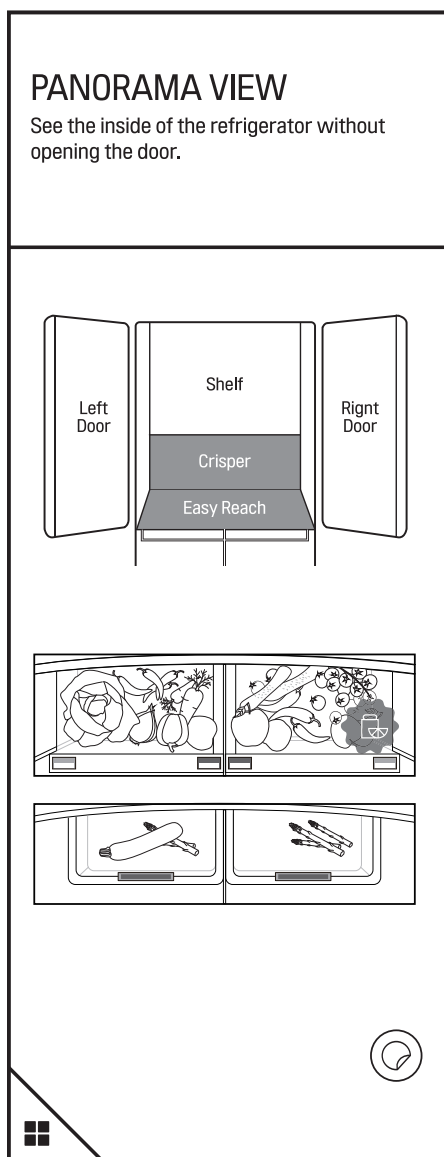
Replace the water filter when the **Water Filter Reset** icon turns on. After replacing, press the Reset button.

 - When it's time to replace the water filter, the Reset function is activated and an alert appears at the top of the screen.
 - Replace the air filter approximately every six months.

Panorama View

Every time the refrigerator door is opened and closed, an image of the refrigerator compartment is created. View the images by selecting each part of the fridge in the diagram.

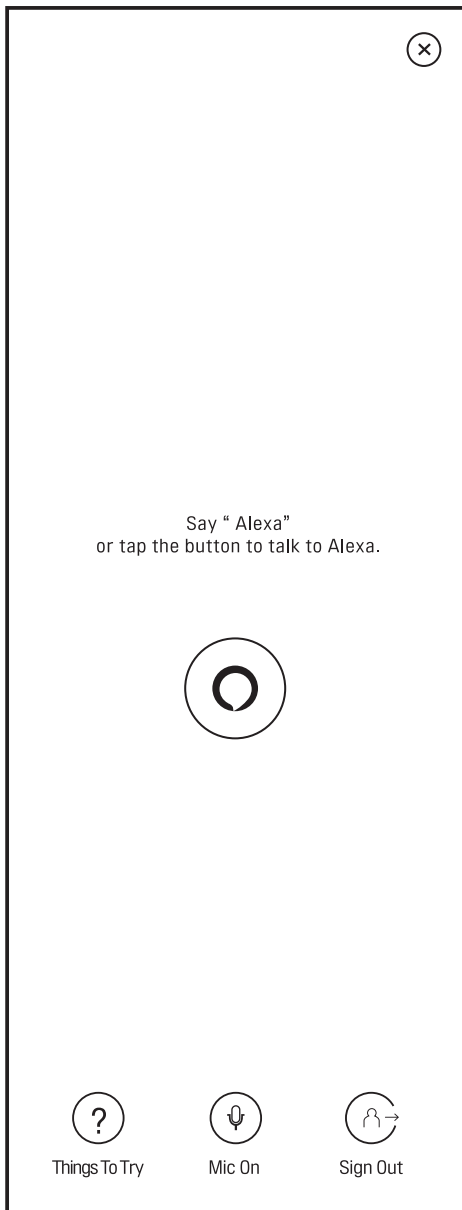
- Touch an image to bring up the smart label functions (stickers, memos, timers and expiration dates).



NOTE

- When viewing the inside of the refrigerator compartment remotely on your smartphone, the image quality may be slightly lower.
- If you open the refrigerator door and close it immediately, the image may not be captured properly.
- Depending on the storage conditions inside, some parts of the refrigerator may not be visible, and the Smart InstaView images may differ from reality.
- If only the Smart InstaView door is opened and closed, the door bin image is not captured.
- If the refrigerator door is closed very quickly after storing items in the crispers, the crisper image may not be captured properly.
- Open the crisper drawers more than halfway to capture an image of the contents properly.
- If the crispers are opened and closed quickly, the image function may not be activated.
- If the crispers are not closed completely, the crisper image may not be captured properly.
- If the sliding shelf is opened to access the crispers, the shelf may interfere with the image function.
- If the crispers are left open and the refrigerator doors are closed, the view of the Easy Reach compartments will be blocked by the crispers.
- If your hand blocks the food or the Panorama View tag while closing the crispers, the image of the contents may not be captured properly.
- If the Panorama View tag is scratched or dirty, the captured images may be distorted. Clean the Panorama View tag on the crispers frequently with a soft cloth. Do not use alcohol or thinners to clean the tag or the print may be erased.
- If the Wi-Fi connection is disconnected or unstable, images may not be transmitted to your smartphone. Video transmission may take up to 3 minutes depending on the network.
- If there is condensation on the Easy Reach lids, stored food images may not be displayed properly.
- If the camera lens in the fridge is stained or dirty, the transmitted image may not be clear. Clean the lens frequently with a soft cloth.
- If the refrigerator door is closed quickly, the door bin image may not be clear.
- If the Panorama View images do not appear, open and close the refrigerator doors.

LG Alexa



LG Alexa is capable of voice interaction, music playback, making to-do lists, setting alarms, and providing weather and other real-time information.

- Launch the LG Alexa app and speak your request clearly.
- If you are running an application other than LG Alexa, or if the screen is in sleep mode, say "Alexa" to wake it up.

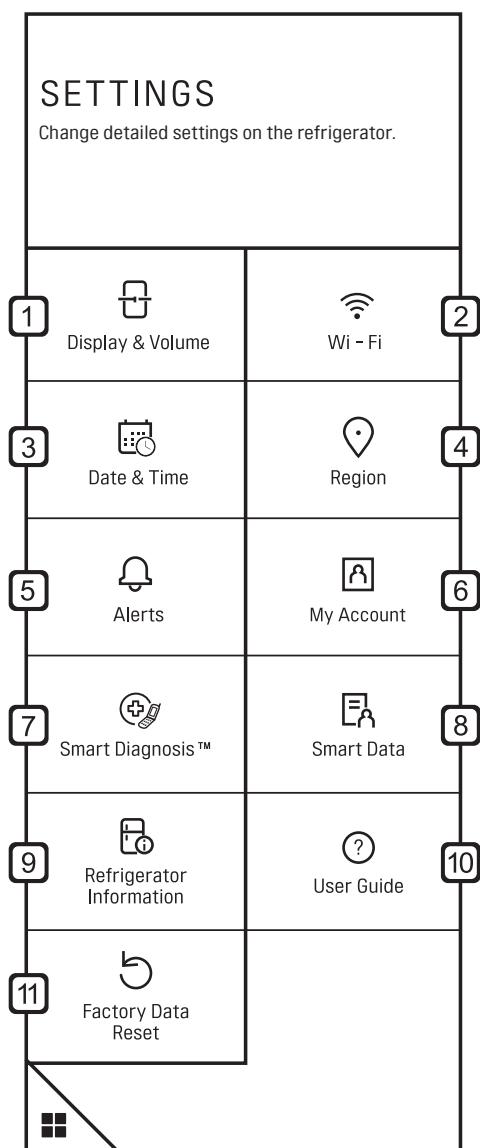
For example, try the following:

- "Alexa, how is the weather today?"
- "Alexa, what's on my schedule for today?"
- "Alexa, play music"

NOTE

- Performance depends on the user's voice, tone, intonation or the ambient noise level.
- If the surrounding environment is noisy, the requested operation may not be performed properly.
- To avoid damaging the function, do not insert sharp objects such as drills or awls into the hole at the top of the control panel.

Settings



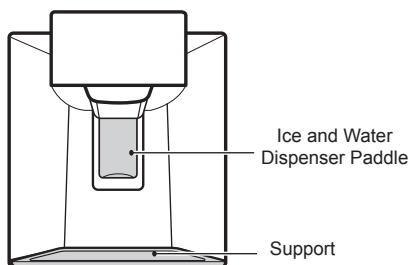
- 1 Display & Volume**
Set the screen brightness and volume.
- 2 Wi-Fi**
Connect the appliance to Wi-Fi.
- 3 Date & Time**
Set the correct date and time for your location.
- 4 Region**
Set the region where the appliance is installed.
- 5 Alerts**
Set timer notifications and food expiration date notifications.
- 6 My Account**
Register the product to an LG account to use the LG SmartThinQ application. If you don't have an LG account, follow the onscreen instructions to create one.
- 7 Smart Diagnosis™**
Use the Smart Diagnosis function if the product has a malfunction.
- 8 Smart Data**
Set up functions that are optimized based on product usage patterns.
- 9 Refrigerator Information**
Check the model name and software version information.
- 10 User Guide**
Provides guidance on how to use the control window.
- 11 Factory Data Reset**
Erase the appliance settings and return it to the condition it was in when shipped from the factory.

Ice and Water Dispenser

CAUTION

- Keep children away from the dispenser. Children may play with or damage the controls.
- Throw away the first few batches of ice (about 24 cubes) after installation. This is also necessary if the refrigerator has not been used for a long time.
- If ice or water dispenses unexpectedly, turn off the water supply and contact an LG Electronics Customer Information Center.
- Never use a glass that is exceptionally narrow or deep. Ice may jam in the ice passage and refrigerator performance may be affected.
- Never remove the dispenser cover.

Dispenser

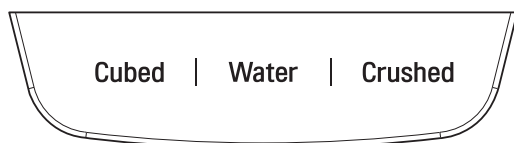


NOTE

- To dispense cold water or ice, push on the dispenser paddle with a glass.
- 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 (about 24 cubes). This is also necessary if the refrigerator has not been used for a long time.
- The dispenser will not operate when either of the refrigerator doors is open.
- If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact an LG Electronics Customer Information Center. Do not use the water or ice until the problem is corrected.
- Dispense ice into a glass before filling it with water or other beverages. Splashing may occur if ice is dispensed into a glass that already contains liquid.
- Some dripping may occur after dispensing. Hold the cup beneath the dispenser for a few seconds after dispensing to catch all of the drops.
- Keep containers at an appropriate distance from the dispensers. Tall, narrow glasses should be held far enough from the ice outlet to prevent ice from jamming in the ice chute. A container with a very small opening should be held as close to the dispenser as possible to avoid spilling.
- Keep the glass at a proper distance from the ice outlet. A glass held too close to the outlet may prevent ice from dispensing.

Using the Dispenser

- 1 Press on the Water, Cubed, or Crushed text above the dispenser paddle to select from water, cubed ice, or crushed ice.
- 2 Press a glass against the dispenser paddle to start dispensing.



CAUTION

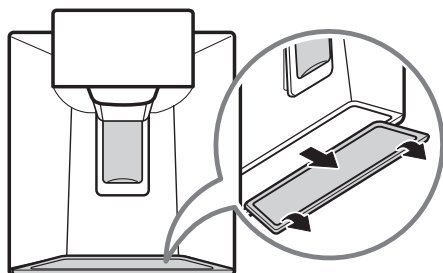
- Throw away the first few batches of ice (about 24 cubes). This is also necessary if the refrigerator has not been used for a long time.

Locking the Dispenser

Press the **Lock** button on the control panel for 3 seconds to lock or unlock the dispenser and all of the control panel functions.

The control panel functions are disabled on both the control panel and the Smart InstaView display.

Cleaning the Dispenser Drip Tray



- 1 Pull the tray forward until it stops.
- 2 Place hands underneath the tray and gently pull the tray forward to pop it off the support.
- 3 The dispenser tray and support can easily become wet or dirty. Remove the tray periodically and clean it and the support with a damp dishcloth. Dry off the tray and the support before reinstalling the tray.

Ice Compartment

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 refrigerator compartment. This could also cause the icemaker to stop producing ice.

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.

In-Door Ice Bin

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

The icemaker stops producing ice when the indoor ice bin is full. To make room for additional ice, empty the ice bin into the extra ice bin in the freezer compartment. During use, the ice may stack unevenly in the bin, causing the icemaker to misread the number of ice cubes and stop producing ice. Shaking the ice bin to level the ice within it can reduce this problem.

If the icemaker is turned OFF for an extended period of time, the ice compartment will gradually warm up to the temperature of the refrigerator compartment. To prevent ice cubes from melting and leaking from the dispenser, ALWAYS empty the ice bin when the icemaker is turned OFF for more than a few hours.

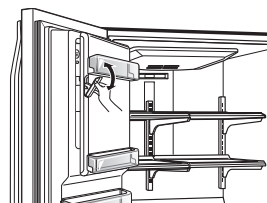
The ice passage may become blocked with frost if only crushed ice is used. Remove the frost that accumulates by removing the ice bin and clearing the passage with a rubber spatula. Dispensing cubed ice can also help prevent frost buildup.

CAUTION

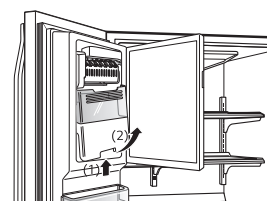
- When handling the ice bin, keep hands away from the icemaker tray area to avoid personal injury.
- Storing cans or other items in the ice bin will damage the icemaker.
- Never use thin crystal glasses or containers to collect ice. Such containers may chip or break resulting in glass fragments in the ice.

Detaching the In-Door Ice Bin

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

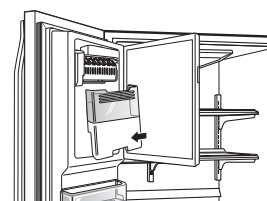


- 2 To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.



Assembling the In-Door Ice Bin

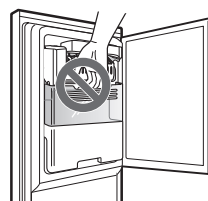
- 1 Carefully insert the in-door ice bin, slanting the top slightly to fit it under the icemaker.



- 2 Gently push the handle to close the ice compartment.

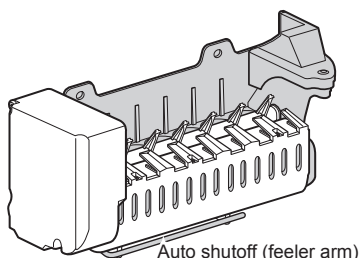
CAUTION

- When handling the ice bin, keep hands away from the icemaker tray area to avoid personal injury.
- Avoid touching the auto shutoff (feeler arm) when replacing the ice bin. See the label on the ice compartment door for details.



Automatic Icemaker

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



NOTE

- Ice is made in the automatic icemaker and sent to the dispenser. The icemaker produces 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 refrigerator to begin making ice.
- Ice-making stops when the in-door ice bin is full. When full, the in-door ice bin holds approximately 6 to 8 (12-16 oz.) glasses of ice.
- Foreign substances or frost on the ice-detecting sensor can interrupt ice production. Make sure the sensor area is clean at all times for proper operation.
- To increase ice production, use the Ice Plus function. The function increases both ice making and freezing capabilities.

WARNING

Personal Injury Hazard

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

CAUTION

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.

- To avoid personal injury, keep hands out of the ice door and passage.

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 three seconds.

Normal Sounds You May Hear

- Keeping the power turned on to the icemaker before the water line is connected can damage the icemaker.
- The icemaker water valve buzzes as the icemaker fills with water. If the **Ice On/Off** button is in the ON mode, it will buzz even if it has not yet been hooked up to water. To stop the buzzing, press the **Ice On/Off** button to turn it off.
- 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 **Ice On/Off** button to OFF and shut off the water supply to the refrigerator.

NOTE

- The ice bin should be emptied any time the **Ice On/Off** button is turned to the OFF mode.

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

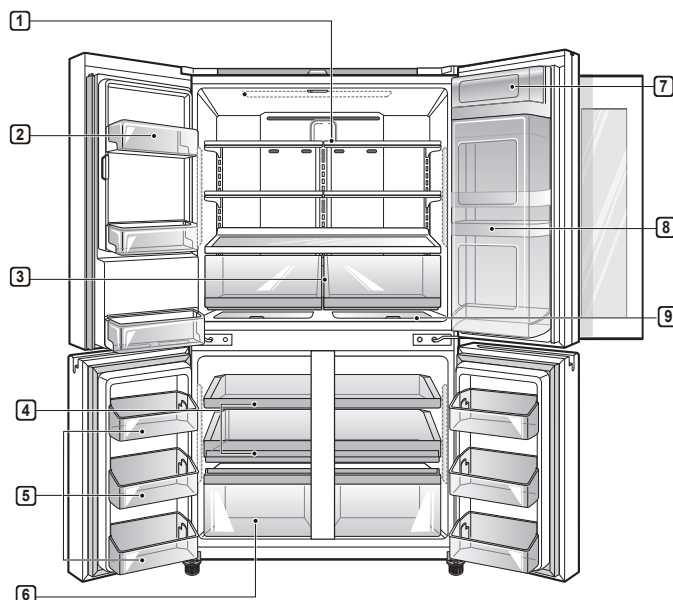
Storing Food

Where to Store Food

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

Each compartment inside the refrigerator is designed to store different types of food.

Store food in the optimal space to enjoy the freshest taste.



1 Adjustable Refrigerator Shelf

Adjustable shelves to meet individual storage needs.

2 Refrigerator Bin

Store beverages, water, etc.

3 Big Fresh Zone

Preserve vegetables and fruits.

4 Freezer Drawer (1)

Preserve small packaged frozen food or frequently used foods.

5 Freezer Bin

Preserve small packaged frozen food or frequently used foods.

6 Freezer Drawer (2)

Preserve frozen food for longer storage.

7 Dairy Corner

Store dairy foods such as butter, cheese, etc.

8 Door-In-Door

Store frequently used food items such as butter, margarine, cream cheese, peanut butter, ketchup, mustard, relish, etc.

9 EasyReach™

Store small items or defrost a frozen item.

⚠ CAUTION

- Do not overfill or pack items too tightly into door bins. Doing so may cause damage to the bin or personal injury if items are removed with excessive force.
- Do not store glass containers in the freezer. Contents may expand when frozen, break the container and cause injury.
- The temperature inside the EasyReach™ is slightly lower than in the shelf or door bin area.

NOTE

- If you are leaving home for a short period, like a short vacation, the refrigerator 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 refrigerator turned off for an extended period, remove all food and unplug the power cord. Clean the interior, and leave the doors open to prevent fungi from growing in the refrigerator.
- Do not store food with high moisture content towards the top of the refrigerator. The moisture could come in direct contact with the cold air and freeze.
- Wash food before storing it in the refrigerator. Vegetables should be washed, and food packaging should be wiped down to prevent adjacent foods from being contaminated.
- If the refrigerator is kept in a hot and humid place, frequent opening of the door or storing a lot of vegetables in the refrigerator may cause condensation to form. Wipe off the condensation with a clean cloth or a paper towel.
- If the refrigerator or freezer doors are opened or closed too often, warm air may penetrate the refrigerator and raise its temperature. This can increase the running costs of the unit.

Food Storage Tips

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

Food	How to
Butter or Margarine	Keep opened butter in covered dish or closed compartment. When storing an extra supply, wrap in freezer packaging and freeze.
Cheese	Store in original wrapping until used. Once opened, rewrap tightly in plastic wrap or aluminum foil.
Milk	Wipe milk cartons. For coldest milk, place containers on an interior shelf.
Eggs	Store in original carton on interior shelf, not on door shelf.
Fruit	Do not wash or hull fruit until it is ready to be used. Sort and keep fruit in original container in a crisper, or store in completely closed paper bag on refrigerator shelf.
Leafy Vegetables	Remove store wrapping, 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 container and store in crisper.
Fish	Freeze fresh fish and shellfish if they are not being eaten the same day purchased. Eating fresh fish and shellfish the same day purchased is recommended.
Leftovers	Cover leftovers with plastic wrap or aluminum foil, or store in plastic containers with tight lids.

Storing Frozen Food

Check a freezer 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 2 to 3 pounds 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, and then package and freeze. Cooling hot foods before freezing saves energy.

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 refrigerator 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.

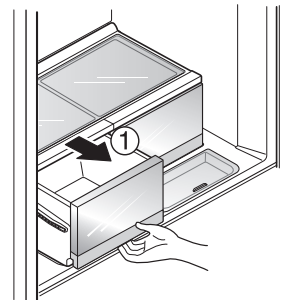
Do not use

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

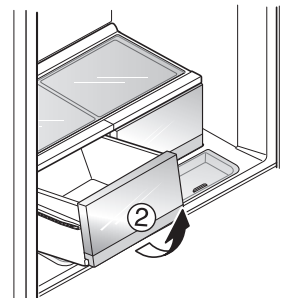
Big Fresh Zone

Removing the Big Fresh Zone Drawer

- 1 Open both refrigerator doors fully. Pull the drawer out to full extension and remove all contents from the drawer.



- 2 Lift the front of the drawer to remove it from its guides and pull straight out.

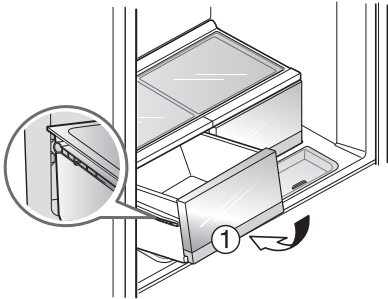


CAUTION

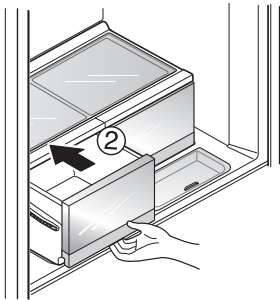
- Always empty the drawers before removing them, and use both hands when removing and assembling them.
- Make sure that the refrigerator doors are fully open before removing and assembling the drawers.

Assembling the Big Fresh Zone Drawer

- 1 Slightly tilt up the front of the drawer and insert the rollers on the sides into the guides.



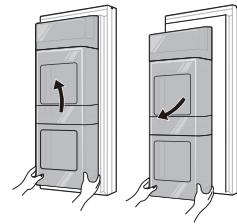
- 2 Gently push the drawer in while lowering it into place.



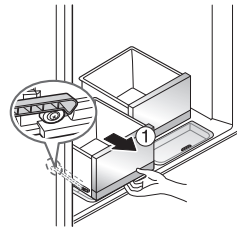
Removing/Assembling the Fresh Zone Compartment

Removing the Fresh Zone Compartment

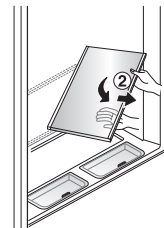
- 1 Open both refrigerator doors completely and empty and remove the Door-in-Door case and bins. Empty contents from glass cover and drawers.



- 2 Lift the front of one drawer to remove it from its guides and pull straight out. Repeat to remove the second drawer.

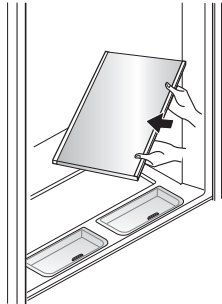


- 3 Support underneath the glass cover with one hand while lifting the front of the cover with the other hand. Push up from underneath to release the cover from the guides, then tilt the cover 45 degrees, and pull it forward to remove it.

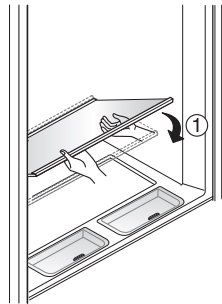


Assembling the Fresh Zone Compartment

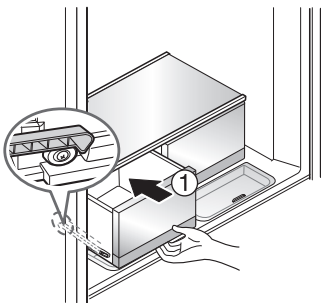
- 1 Hold the cover at a 45-degree angle and insert it into the refrigerator.



- 2 Supporting the cover with one hand, bring the cover to a horizontal position and lower it onto the guides. Push the cover back into place.



- 3 Tilt up the front of one drawer and insert the rollers into the side guides. Lower the drawer and push it in. Repeat with second drawer.



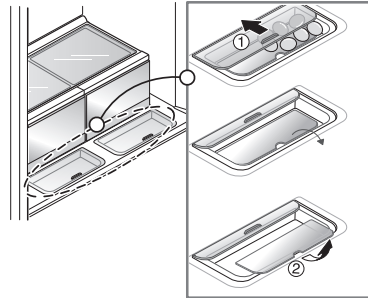
! CAUTION

- Remove items from on top of glass cover before removing cover.
- Take care when handling the glass cover. There is still a risk of injury if the glass is broken, even though it is tempered glass.
- Take care when removing or assembling the cover not to catch hands between the cover and the drawers.

EasyReach™

The EasyReach™ compartments are slightly cooler than the shelf or door bin areas. They are a convenient place to store dairy snacks or other small items you want to keep especially cold. They are also a handy place to defrost meat.

Open and close by pulling the handle. To clean the EasyReach™ compartments, open the cover, empty the bin, and lift out the bottom tray.



! 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.
- Store foods like tofu, celery or lettuce which have high water content or freeze easily on the interior shelves at the front.

Dairy Corner

Use the Dairy Corner to store items such as butter and cheese.

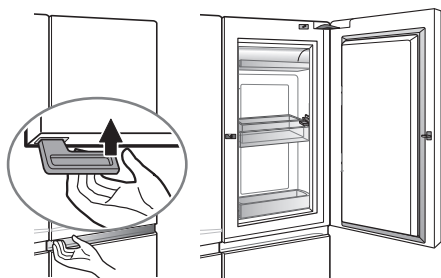
Door-in-Door

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

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

To access the Door-in-Door compartment, lift the lever under the right side door. The compartment opens with a click.

- The Door-in-Door compartment allows you more room to store food.
- With the increased storage space, you can also organize drinks and snacks better.



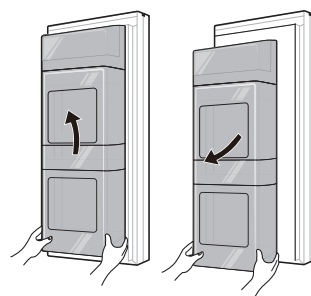
Removing the Door-in-Door Compartment

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

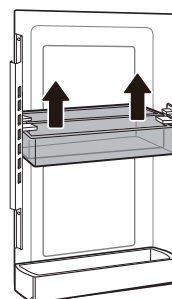
⚠ CAUTION

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

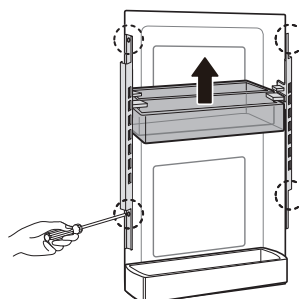
- 1 To remove the Door-in-Door case, lift up and pull out.



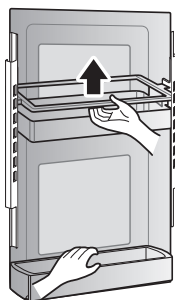
- 2 Move the EasyLift bin to the top of the compartment.



- 3 Remove the screws on both sides of the Door-in-Door compartment.



- 4 Move the EasyLift bin up to remove it. Lift the lower door bin from the bottom to remove it.



NOTE

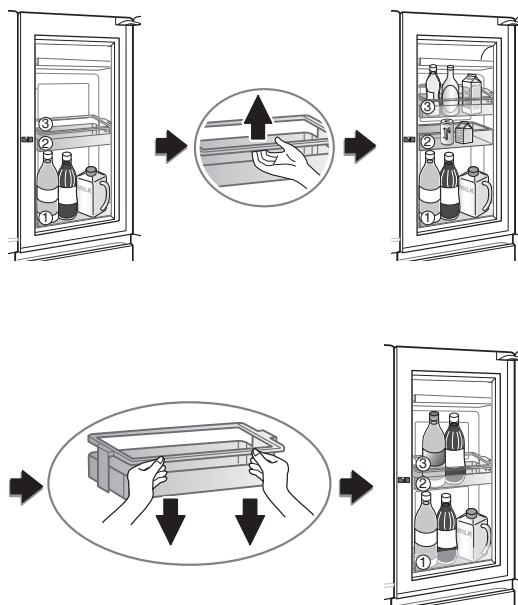
- Assemble in the reverse order of removal.

EasyLift Bin

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

Move the EasyLift bin up and down easily and conveniently as necessary. Remove the contents of the bin before raising or lowering it.

- To raise the bin, hold the center of the bin and lift.
- To lower the bin, press the side levers up at the same time and move the bin down until it clicks into place.
- The center bin is fixed. Adjust the EasyLift bin to store a variety of items.



CAUTION

- Empty contents of EasyLift bin before raising or lowering it to avoid personal injury or damage to the bin or its contents.
- If the bin is not level after adjusting it, gently raise it until it clicks into place.

Freezer Drawer

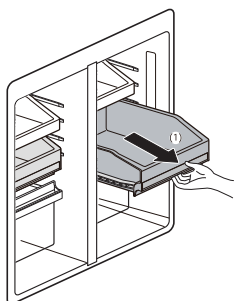
The sliding freezer drawers allow easy access and convenience of use.

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

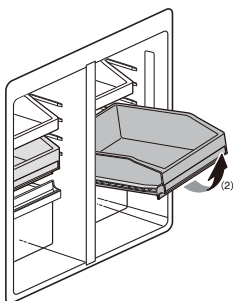
Use the lower compartment for larger frozen foods and items stored for longer periods.

Removing the Freezer Drawers

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



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

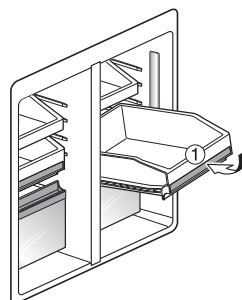


! CAUTION

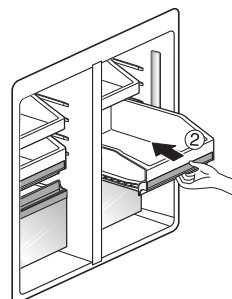
- The drawers are heavy. Always use two hands when removing or assembling the drawers to avoid product damage or personal injury.
- Always open the freezer doors completely before removing or assembling the drawers.

Assembling the Freezer Drawer

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



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



! CAUTION

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

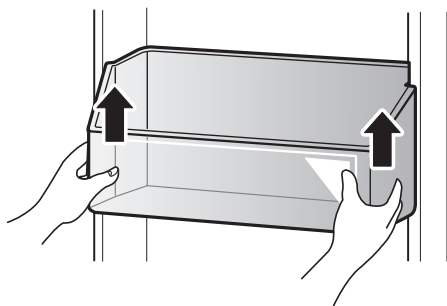
Door Bins

Store small packaged frozen food in the freezer door bins, or small packaged refrigerated food or beverages in the refrigerator door bins, such as milk, water, juice, beer, etc.

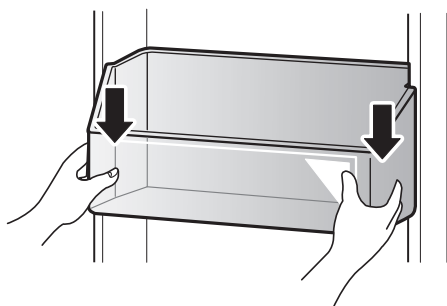
Do not store ice cream or foods intended for long-term storage in the freezer door bins.

The door bins are removable for easy cleaning and adjustment.

- 1 To remove the door bins, hold the bin with both hands and lift up to remove it.



- 2 To replace the door bin, align both sides of the bin with the guides and push the bin down until it snaps into place.



Adjusting the Refrigerator Shelves

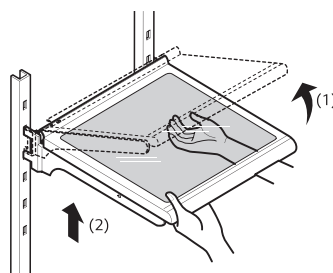
The shelves in the refrigerator are adjustable to meet individual storage needs. Your model may have full or split shelves.

Adjusting the shelves to fit items of different heights will make finding the exact item you want easier.

Doing so will also reduce the amount of time the refrigerator door is open which will save energy.

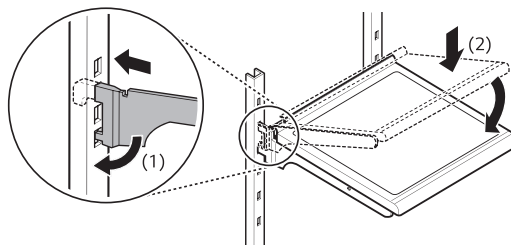
Detaching the Shelf

- 1 Tilt up the front of the shelf and then lift the shelf straight up.
- 2 Pull the shelf out.



Assembling the Shelf

- 1 Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height.
- 2 Lower the front of the shelf so that the hooks drop into the slots.

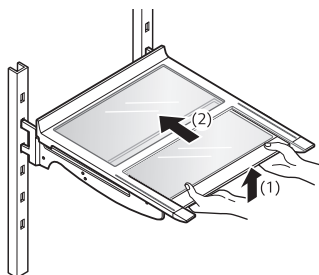


! CAUTION

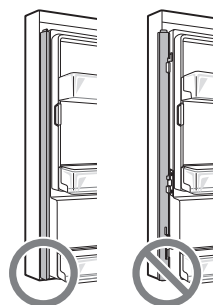
- Make sure that shelves are level from one side to the other. Failure to do so may result in the shelf falling or spilled food.
- Do not clean glass shelves with warm water while they are cold. Shelves may break if exposed to sudden temperature changes or impact.
- Glass shelves are heavy. Use special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

Using the Folding Shelf

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

**! CAUTION**

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

Door Mullion**! CAUTION**

- To reduce the risk of door scratches and breaking the center door mullion, make sure that the refrigerator door mullion is always folded in.
- The door alarm will sound every 30 seconds if the door remains open longer than one minute. Ensure that the folding mullion is folded in before closing the left-hand door.

SMART FUNCTIONS

Appliance Registration

The appliance must be registered to an LG account in order to use the LG SmartThinQ application.

The appliance can be connected to Wi-Fi and registered right from the Smart InstaView display.

Using the Smart InstaView Display

- 1 Open the Application menu and select **Settings**.
- 2 Select Wi-Fi in the **Settings** menu.
- 3 Touch the slider to turn the Wi-Fi function on and enter the information to connect to your home Wi-Fi network.
- 4 Touch the back arrow to return to the **Settings** menu and select **My Account**.
- 5 If you don't have an LG account, follow the onscreen instructions to create one. If you have an LG account, sign in by entering your email ID and password.

NOTE

- To verify the Wi-Fi connection, check that the **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 the network connection.
- The surrounding wireless environment can make the wireless network service run slowly.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The network connection may not work properly depending on the Internet service provider.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- If 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.)
- The 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**, network setup may fail. Change the security protocol (**WPA2** is recommended), and register the product again.
- If you do not complete the user registration, you will not be able to use the smart features properly.
- If the appliance is connected to an unsecured public network, this can result in a security vulnerability.
- Due to known browser limitations, some online videos may not play properly in full-screen mode.

LG SmartThinQ Application

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

Installing the LG SmartThinQ Application

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.

LG SmartThinQ Application Features

- For appliances with the  or  logo

Firmware Update

Keep the appliance performance updated.

Energy Monitoring

This feature keeps track of the refrigerator's power consumption and the number of door openings.

Remote Control

Control the Refrigerator Temperature, Fresh Air Filter and Ice Plus from the smart phone app.

Push Messages

If the door remains open for more than ten minutes, you will receive a push message. When Ice Plus is finished, you will receive a push message.

Smart Diagnosis™

This function provides useful information for diagnosing and solving issues with the appliance based on the pattern of use.

Settings

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

NOTE

- This information is current at the time of publication. The application is subject to change for product improvement purposes without notice to users.

Wireless LAN Module Specifications

Model	LGSBWAC61
Frequency Range	2412 MHz – 2462 MHz
Output Power (Max)	IEEE 802.11b: 19.57 dBm IEEE 802.11g: 17.84 dBm IEEE 802.11n: 17.73 dBm

FCC Notice

- For transmitter module contained in this product
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and the receiver.
 - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) this device may not cause harmful interference and
2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Industry Canada Statement (For transmitter module contained in this product)

This device complies with Industry Canada's applicable licence-exempt RSSs. Operation is subject to the following two conditions:
1) This device may not cause interference; and
2) This device must accept any interference, including interference that may cause undesired operation of the device.
Industry Canada ICES-003 Compliance Label: CAN ICES-3(B)/NMB-3(B)

IC Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body.

NOTE

- THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

Bluetooth Module Specifications

Model	EBR844226
Frequency Range	2402 MHz – 2480 MHz
Output Power (Max)	5.98 dBm

Smart Grid Function

When the refrigerator operates in Smart Grid mode, the Smart Refrigerator function can control energy usage or delay the operation of some functions to save energy during peak usage periods.

- You can override the Smart Grid function any time (using the **Smart Grid** button or application).
- To use the Smart Grid function, you need to register your appliance with your electric utility company.

Smart Grid Application Features

Smart Saving_Demand Response

You can lower energy usage based on Demand Response (DR) signals from the utility company. If the refrigerator is operating in Smart Saving mode according to the DR signal, you can see a pop up.

Seasonal Energy Savings

Lower energy usage based on time period.

Using the Smart Grid Function

This feature responds to notification events from your utility company to run high energy consuming tasks during off-peak periods when demand is lower. These notification events are known as Demand Response signals.

If the refrigerator receives a Demand Response signal from the utility company, the refrigerator will turn on the Grid LED on the refrigerator display and control its power consumption according to the signal.

The refrigerator will respond to the signals received from the utility company as long as product performance is maintained.

If the refrigerator receives a Demand Response signal, the refrigerator will operate in Delay Appliance Load (DAL) or Temporary Appliance Load Reduction (TALR) mode.

Delay Appliance Load (DAL)

The refrigerator responds to a DAL signal by providing a moderate load reduction for the duration of the delay period.

This mode controls functions that consume a lot of energy such as adjusting the cooling system, running the defrost cycle, and making ice.

- When the refrigerator operates in DAL mode, the Grid LED is illuminated on the refrigerator display.
- DAL mode is automatically deactivated after the period stipulated by the DAL signal (max. 4 hours) or when you override the Smart Grid function.

Temporary Appliance Load Reduction (TALR)

The refrigerator responds to a TALR signal by aggressively reducing the load for a short time period, typically 10 minutes. This mode reduces energy consumption by stopping the compressor and controlling the functions that consume a lot of energy such as the defrost cycle and fan.

- When the refrigerator operates in TALR mode, the Grid LED is illuminated on the refrigerator display.
- TALR mode is automatically deactivated after the received duration (max. 10 minutes), or when you override the Smart Grid function. The mode is immediately deactivated and the refrigerator returns to its normal state when the door is opened or closed, or the dispenser is used.

Override Smart Grid Mode

To ignore the Demand Response signal from the utility company and override the Smart Grid function, push the **Smart Grid** button while the refrigerator is in Smart Grid mode.

When you override the Smart Grid function, the refrigerator ignores the Demand Response signal and is no longer controlled by the utility company until the next Demand Response signal is sent. You can also override the Smart Grid function using the smart phone app.

LG Open API

You can manage Smart Grid features for the LG Smart Refrigerator.

Please check the detailed specifications on the notice page on us.smarthinq.com.

API list

Demand Response

- Send demand response signal

Power Saving

- Set saving mode
- Get schedule of DR/Delay Defrost

Energy Monitoring

- Get door open event
- Get energy consumption information



Delay Defrost Capability

- Insert a delay defrost schedule event
- Update a delay defrost schedule event
- Delete a delay defrost schedule event
- Get the delay defrost schedule

Smart Diagnosis™ Function

Should you experience any problems with the appliance, it has the capability of transmitting data via your telephone to the LG Customer Information Center. NFC or Wi-Fi equipped models can also transmit data to a smartphone using the LG Smart ThinQ application.

Smart Diagnosis™ through the Customer Information Center

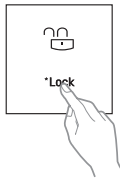
- For appliances with the  or  logo

This method allows you to speak directly to our trained specialists. The specialist records the data transmitted from the appliance and uses it to analyze the issue, providing a fast and effective diagnosis.

- 1 Call the LG Electronics Customer Information Center at:
(LG U.S.A.) 1-800-243-0000
(LG Canada) 1-888-542-2623

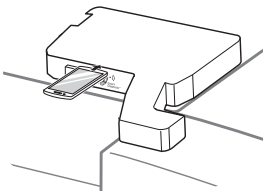
- 2 Hold the Lock button for three seconds.

- If the display has been locked for over five minutes, you must deactivate the lock and then reactivate it.

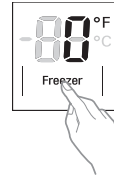


- 3 Open the right refrigerator door.

- 4 Hold the mouthpiece of your phone in front of the speaker that is located on the right hinge of the refrigerator door, when instructed to do so by the call center.



- 5 Press and hold the **Freezer** button for three seconds while continuing to hold your phone to the speaker.





- 6 After you hear three beeps, release the **Freezer** button.
- 7 Keep the phone in place until the tone transmission has finished. The display will count down the time. Once the countdown is over and the tones have stopped, resume your conversation with the specialist, who will then be able to assist you in using the information transmitted for analysis.

NOTE

- For best results, do not move the phone while the tones are being transmitted.
- If the call center agent is not able to get an accurate recording of the data, you may be asked to try again.
- The Smart Diagnosis™ function depends on the local call quality.
- Bad call quality may result in poor data transmission from your phone to the call center, which could cause Smart Diagnosis™ to malfunction.

LG SmartThinQ Smart Diagnosis™

- For appliances with the  or  logo

Use the Smart Diagnosis feature in the LG SmartThinQ application for help diagnosing issues with the appliance without the assistance of the LG Customer Information Center.

Follow the instructions in the LG SmartThinQ application to perform a Smart Diagnosis using your smartphone.

MAINTENANCE

Cleaning

WARNING

- Use non-flammable cleaner. Failure to do so can result in fire, explosion, or death.

CAUTION

- Do not use an abrasive cloth or sponge when cleaning the interior and exterior of the refrigerator.
- Do not place your hand on the bottom surface of the refrigerator when opening and closing the doors.
- When lifting the hinge free of the latch, be careful that the door does not fall forward.

General Cleaning Tips

- Both the refrigerator and freezer sections defrost automatically; however, clean both sections once a month to prevent odors.
- Wipe up spills immediately.
- Unplug the refrigerator or disconnect power before cleaning.
- Remove all removable parts, such as shelves.
- Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use abrasive or harsh cleaners.
- Hand wash, rinse and dry all surfaces thoroughly.
- When cleaning the inside or outside of the appliance, do not wipe it with a rough brush, toothpaste, or flammable materials. Do not use cleaning agents containing flammable substances.
 - This may cause discoloration or damage to the appliance.
 - Flammable substances: alcohol (ethanol, methanol, isopropyl alcohol, isobutyl alcohol, etc.), thinner, bleach, benzene, flammable liquid, abrasive, etc.

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 black stainless steel exterior, spray glass cleaner on a clean, microfiber cloth and rub in direction of grain. Do not spray glass cleaner directly at the display panel. Do not use harsh or abrasive cleaners.

For products with a standard stainless steel exterior, use a damp microfiber cloth and rub in the direction of the grain. Dry with a paper towel to avoid streaks. For stubborn stains and fingerprints, use a few drops of liquid dish soap in water, and rinse with hot water before drying. Do not use abrasive or harsh cleaners.

Inside Walls

- Allow freezer to warm up so the cloth will not stick.

To help remove odors, wash the inside of the refrigerator with a mixture of baking soda and warm water. Mix 2 tablespoons of baking soda to 1 quart of water (26 g soda to 1 liter water.) Be sure the baking soda is completely dissolved so it does not scratch the surfaces of the refrigerator.

Door Liners and Gaskets

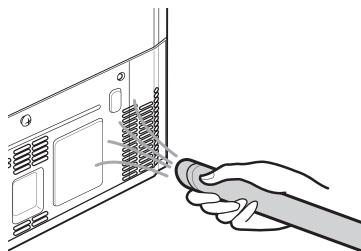
Use a clean sponge or soft cloth and a mild detergent in warm water. Do not use cleaning waxes, concentrated detergents, bleaches, or cleaners containing petroleum on plastic refrigerator parts.

Plastic Parts (covers and panels)

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

Condenser Coils

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



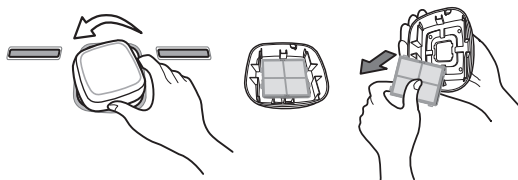
Replacing the Fresh Air Filter

Replace the Fresh Air Filter:

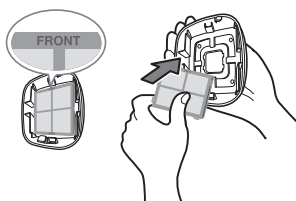
- Approximately every six months.
- When the **Replace Filter** icon turns on.



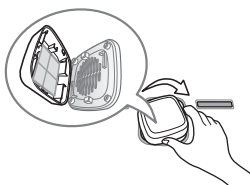
- 1 Turn the filter cover to the left to detach it from the refrigerator wall. Remove the filter from the cover.
 - The filter is located on the inside of the filter cover.



- 2 Place the new filter inside of the cover with the side that says **Front** facing outward.



- 3 Turn the filter cover to the right to attach it to the refrigerator wall.



- 4 Press and hold the **Fresh Air Filter** button for three seconds to reset the filter sensor.



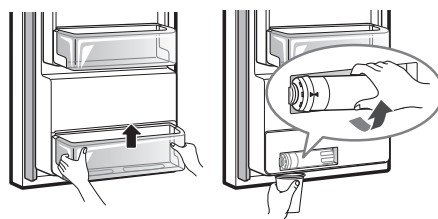
Replacing the Water Filter

Replace the Water Filter :

- Approximately every six months.
- When the **Replace Filter** icon 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. 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.

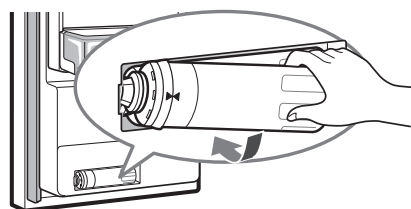


NOTE

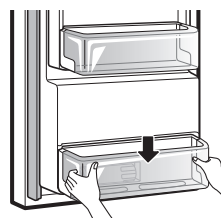
- Replacing the water filter could cause a small amount of water to drain. Place a cup under the filter head to catch any water.

- 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 **Assemble the door bin.**



Performance Data Sheet

Model: LG ADQ36006101-S

Use Replacement Cartridge: ADQ73613401

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and Standard 53.



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances listed below.

Capacity 200 Gallons (757 Liters) Contaminant Reduction Determined by NSF testing.

Contaminant Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L \pm 10%	0.975	0.05 mg/L	N/A	\geq 50%
Nominal Particulate Class I, \geq 0.5 to $<$ 1.0 μ m	5,600,000 pts/ mL	At least 10,000 particles/mL	0.993	73,000 pts/ ml	N/A	\geq 85%
Asbestos	170 MFL	107 to 108 MFL; fibers greater than 10 μ m in length	$>$ 99%	$<$ 1MLF	N/A	\geq 99%
Atrazine	0.0087 mg/L	0.009 mg/L \pm 10%	0.942	0.0005 mg/L	0.003 mg/L	N/A
Benzene	0.017 mg/L	0.015 mg/L \pm 10%	0.97	$<$ 0.0005 mg/L	0.005 mg/L	N/A
Carbofuran	0.073 mg/L	0.08 mg/L \pm 10%	0.988	0.001 mg/L	0.04 mg/L	N/A
Lindane	0.002 mg/L	0.002 mg/L \pm 10%	0.988	0.00002 mg/L	0.0002 mg/L	N/A
P-Dichlorobenzene	0.263 mg/L	0.225 mg/L \pm 10%	0.996	0.001 mg/L	0.075 mg/L	N/A
Toxaphene	0.015 mg/L	0.015 mg/L \pm 10%	0.935	0.001 mg/L	0.003 mg/L	N/A
2,4-D	0.25 mg/L	0.210 mg/L \pm 10%	0.995	0.0012 mg/L	0.07 mg/L	N/A
Lead pH @6.5	0.150 mg/L	0.15 mg/L \pm 10%	$>$ 99.3%	0.001 mg/L	0.010 mg/L	N/A
Lead pH @8.5	0.150 mg/L	0.15 mg/L \pm 10%	$>$ 99.3%	0.001 mg/L	0.010 mg/L	N/A
Mercury @ pH 6.5	0.006 mg/L	0.006 mg/L \pm 10%	96.5	0.0002 mg/	0.002 mg/L	N/A
Mercury @ pH 8.5	0.0062 mg/L	0.006 mg/L \pm 10%	86.9	0.0081 mg/L	0.002 mg/L	N/A
Cyst*	200,000 cysts/L	Minimum 50,000 cysts/L	$>$ 99.99 %	$<$ 1 cyst/L	N/A	\geq 99.95%

•Based on the use of Cryptosporidium parvum oocysts.

Application Guidelines/Water Supply Parameters	
Service Flow	0.5 gpm (1.9 lpm)
Water Supply	Community or Private Well - Potable Water
Water Pressure	20 – 120 psi (138 – 827 kPa)
Water Temperature	33 – 100 °F (0.6 °C – 37.8 °C)
Capacity	200 gallons (757 liters)

NSF System Trade Name Code : ADQ73613401-S
NSF Replacement Code : ADQ73613401

It is essential that the manufacturer’s recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised.


Replacement Cartridge: **ADQ73613401**

For replacement filters, visit your local dealer or distributor or search under "water filters" on **lg.com** website.

Refer to the Warranty section of this owner's manual for information on the limited warranty.

NOTE

- While the testing was performed under standard laboratory conditions, actual performance may vary.


**WARNING**

To reduce the risk associated with choking:

- Do not allow children under 3 years of age to have access to small parts during the installation of this product.

To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

**CAUTION**

To reduce the risk associated with property damage due to water leakage:

- Read and follow Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- Do not install if water pressure exceeds 120 psi (827 kPa). If your water pressure exceeds 80 psi, you must install a pressure limiting valve. Contact a plumber if uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 100 °F (37.8 °C).
- Protect filter from freezing. Drain filter when temperatures drop below 40 °F (4.4 °C).
- The disposable filter cartridge **MUST** be replaced every 6 months, at the rated capacity or if a noticeable reduction in flow rate occurs.
- Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion must be installed.

LG is a trademark of LG corp.
NSF is a trademark of NSF International.

State of California
Department of Public Health
Water Treatment Device
Certificate Number
09-2018

Date Issued: December 15, 2009

Trademark/Model Designation

ADQ36006101-S

Replacement Elements

ADQ36006101

Manufacturer: Cuno Inc.

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Cysts

Inorganic/Radiological Contaminants

Asbestos

Lead

Mercury

Organic Contaminants

2,4-D Reduction

Atrazine

Benzene

Carbofuran

Lindane

p-Dichlorobenzene

Toxaphene

Rated Service Capacity: 200 gal**Rated Service Flow:** 0.5 gpm

Conditions of Certification:

TROUBLESHOOTING

FAQs: Frequently Asked Questions

Q: What are the best temperature settings for my refrigerator and freezer?

A: The default setting for the refrigerator is 37° Fahrenheit (3° Celsius). The default setting for the freezer is 0° Fahrenheit (-18° Celsius). Adjust these settings as necessary to keep food at desired temperatures. Milk should be cold when stored on the inner shelf of the refrigerator. Ice cream should be firm and ice cubes should not melt in the freezer. To switch the display from Fahrenheit to Celsius, press and hold the **Freezer** and **Refrigerator** buttons until you hear a beep and the settings in the display change. You can also select the Refrigerator Manager application on the Smart InstaView display and use the Unit button.

Q: How do I set the refrigerator and freezer temperatures?

A: Continually press the **Refrigerator** or **Freezer** button on the control panel until the desired temperature appears. The numbers will cycle from highest to lowest and then return to the highest again with continuous pressing. You can also set the temperatures in the Refrigerator Manager application on the Smart InstaView display.

Q: Why do I hear a buzzing noise from my refrigerator periodically?

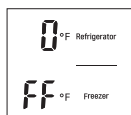
A: This may happen if you do not have a water source attached to your refrigerator and the icemaker is turned on. If you do not have a water source attached to the back of the refrigerator you should turn the icemaker off.

Q: Why does the icemaker tray look crooked?

A: This is a normal part of the icemaker cycle. The icemaker tray may appear level or with a slight tilt. The change in position is to assist in the freezing process.

Q: My refrigerator is powered on and the controls are working, but it's not cooling and the display shows "OFF" (see below). What is wrong?

A: The refrigerator is in Demo Mode. This mode disables cooling to save energy while the appliance is on display in a store. To restore normal operation, press and hold the **Refrigerator** and **Ice Plus** buttons for 5 seconds or until you hear a beep and the temperature settings appear on the display. Use the same procedure to return the refrigerator to Demo Mode, if desired.



Before Calling for Service

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

Cooling

Problem	Possible Cause	Solutions
Refrigerator and Freezer section are not cooling.	The refrigerator control is set to OFF (some models).	<ul style="list-style-type: none"> • Turn the control ON. Refer to the Setting the Controls section for proper temperature settings.
	Refrigerator is set to Demo Mode.	<ul style="list-style-type: none"> • Demo Mode allows the lights and control display to work normally while disabling cooling, to save energy while the refrigerator is on the showroom floor. See the FAQs section of this manual for instructions on how to disable Demo Mode.
	Refrigerator is in the defrost cycle.	<ul style="list-style-type: none"> • During the defrost cycle, the temperature of each compartment may rise slightly. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.
	Refrigerator was recently installed.	<ul style="list-style-type: none"> • It may take up to 24 hours for each compartment to reach the desired temperature.
	Refrigerator was recently relocated.	<ul style="list-style-type: none"> • If the refrigerator was stored for a long period of time or moved on its side, it is necessary for the refrigerator to stand upright for 24 hours before connecting it to power.
Cooling system runs too much.	Refrigerator is replacing an older model.	<ul style="list-style-type: none"> • Modern refrigerators require more operating time but use less energy due to more efficient technology.
	Refrigerator was recently plugged in or power restored.	<ul style="list-style-type: none"> • The refrigerator will take up to 24 hours to cool completely.
	The door is opened often or a large amount of food / hot food was added.	<ul style="list-style-type: none"> • Adding food and opening the door warms the refrigerator, requiring the compressor to run longer in order to cool the refrigerator back down. In order to conserve energy, try to get everything you need out of the refrigerator 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.	<ul style="list-style-type: none"> • Firmly push the doors shut. If they will not shut all the way, the "Doors will not close correctly or pop open" section.
	Refrigerator is installed in a hot location.	<ul style="list-style-type: none"> • The compressor will run longer under warm conditions. At normal room temperatures (70 °F) expect your compressor to run about 40 % to 80 % of the time. Under warmer conditions, expect it to run even more often. The refrigerator should not be operated above 110 °F.
	Condenser / back cover is clogged.	<ul style="list-style-type: none"> • Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.

Cooling

Problem	Possible Cause	Solutions
Interior moisture buildup.	Doors are opened often or for long periods of time.	<ul style="list-style-type: none"> 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 are not closed correctly.	<ul style="list-style-type: none"> See the "Doors will not close correctly or pop open" section.
	Weather is humid.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> During the defrost cycle, the temperature of each compartment may rise slightly and condensation may form on the back wall. Wait 30 minutes and confirm that the proper temperature has been restored once the defrost cycle has completed.
	Food is not packaged correctly.	<ul style="list-style-type: none"> 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 refrigerator compartment.	Food with high water content was placed near an air vent.	<ul style="list-style-type: none"> Rearrange items with high water content away from air vents.
	Refrigerator temperature control is set incorrectly.	<ul style="list-style-type: none"> If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Control Panel section for more information.
	Refrigerator is installed in a cold location.	<ul style="list-style-type: none"> When the refrigerator is operated in temperature below 41°F (5°C), food can freeze in the refrigerator compartment. The refrigerator should not be operated in temperature below 55°F (13°C).
Refrigerator or Freezer section is too warm.	Refrigerator was recently installed.	<ul style="list-style-type: none"> It may take up to 24 hours for each compartment to reach the desired temperature.
	The air vents are blocked. Cold air circulates from the freezer to the fresh food section and back again through air vents in the wall dividing the two sections.	<ul style="list-style-type: none"> Locate air vents by using your hand to sense airflow and move all packages that block vents and restrict airflow. Rearrange items to allow air to flow throughout the compartment.

Cooling/Ice & Water

Problem	Possible Cause	Solutions
Refrigerator or Freezer section is too warm.	Doors are opened often or for long periods of time.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> The refrigerator should not be operated in temperatures above 110 °F.
	A large amount of food or hot food was added to either compartment.	<ul style="list-style-type: none"> Adding food warms the compartment requiring the cooling system to run. Allowing hot food to cool to room temperature before putting it in the refrigerator will reduce this effect.
	Doors not closed correctly.	<ul style="list-style-type: none"> See the Doors will not close correctly or pop open section in Parts & Features Troubleshooting.
	Temperature control is not set correctly.	<ul style="list-style-type: none"> If the temperature is too warm, adjust the control one increment at a time and wait for the temperature to stabilize.
	Defrost cycle has recently completed.	<ul style="list-style-type: none"> During the defrost cycle, the temperature of each compartment may rise slightly and condensation may form on the back wall. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.
Refrigerator or Freezer section is too cold.	Incorrect temperature control settings.	<ul style="list-style-type: none"> If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Control Panel for more information.
Frost or ice crystals form on frozen food (inside of sealed package).	Condensation from food with a high water content has frozen inside of the food package.	<ul style="list-style-type: none"> This is normal for food items with a high water content.
	Food has been left in the freezer for a long period of time.	<ul style="list-style-type: none"> Do not store food items with high water content in the freezer for a long period of time.
Frost or ice crystals form on frozen food (outside of package).	Door is opened frequently or for long periods of time.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Refer to the Doors will not close correctly or pop open section in the Troubleshooting section.

Ice & Water

Problem	Possible Cause	Solutions
Icemaker is not making enough ice.	Demand exceeds ice storage capacity.	<ul style="list-style-type: none"> The icemaker will produce approximately 70-184 cubes in a 24 hour period.
	House water supply is not connected, valve is not turned on fully, or valve is clogged.	<ul style="list-style-type: none"> Connect the refrigerator 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.	<ul style="list-style-type: none"> Replacing the water filter is recommended: 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.	<ul style="list-style-type: none"> 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.
	Reverse Osmosis filtration system is used.	<ul style="list-style-type: none"> Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Connecting the Water Line section.)
	Tubing connecting refrigerator to house supply valve is kinked.	<ul style="list-style-type: none"> The tubing can kink when the refrigerator 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.
	Doors are opened often or for long periods of time.	<ul style="list-style-type: none"> If the doors of the unit are opened often, ambient air will warm the refrigerator which will prevent the unit from maintaining the set temperature. Lowering the refrigerator temperature can help, as well as not opening the doors as frequently.
	Doors are not closed completely.	<ul style="list-style-type: none"> If the doors are not properly closed, ice production will be affected. See the "Doors will not close correctly or pop open" section in Parts & Features Troubleshooting for more information.
	The temperature setting for the freezer is too warm.	<ul style="list-style-type: none"> The recommended temperature for the freezer compartment for normal ice production is 0°F. If the freezer temperature is warmer, ice production will be affected.
Icemaker is not making ice	Refrigerator was recently installed or icemaker recently connected.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Locate the icemaker ON/OFF and confirm that it is turned on.

Ice & Water

Problem	Possible Cause	Solutions
Icemaker is not making ice	The ice detecting sensor is obstructed.	<ul style="list-style-type: none"> Foreign substances or frost on the ice-detecting sensor can interrupt ice production. Make sure that the sensor area is clean at all times for proper operation.
	The refrigerator is not connected to a water supply or the supply shutoff valve is not turned on.	<ul style="list-style-type: none"> Connect the refrigerator to the water supply and turn the water shutoff valve fully open.
	Icemaker shutoff (arm or sensor) obstructed.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Connecting the Water Line section.)
Ice has bad taste or odor.	Water supply contains minerals such as sulfur.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Rewrap the food. Odors may migrate to the ice if food is not wrapped properly.
	The interior of the refrigerator needs to be cleaned.	<ul style="list-style-type: none"> See the Maintenance section for more information.
	The ice storage bin needs to be cleaned.	<ul style="list-style-type: none"> Empty and wash the bin (discard old cubes). Make sure that the bin is completely dry before reinstalling it.
Icemaker is making too much ice.	Icemaker shutoff (arm/ sensor) is obstructed.	<ul style="list-style-type: none"> 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.
Ice is not dispensing.	Unable to hear the sound of ice coming out?	<ul style="list-style-type: none"> In the control panel, select the modes for cubed ice and crushed ice alternately to dispense the ice.
	Doors are not closed completely.	<ul style="list-style-type: none"> Ice will not dispense if any of the refrigerator doors are left open.

Ice & Water

Problem	Possible Cause	Solutions
Ice is not dispensing.	Infrequent use of the dispenser.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	Ice bin is empty.	<ul style="list-style-type: none"> • 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 may take up to 90 minutes before additional ice is available, and approximately 24 hours to completely refill the bin.
Water is dispensing slowly.	Water filter has been exhausted.	<ul style="list-style-type: none"> • Replacing the water filter is recommended: • 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.	<ul style="list-style-type: none"> • 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.
	Low house water supply pressure.	<ul style="list-style-type: none"> • 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.
Water is not dispensing.	New installation or water line recently connected.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Press and hold the Lock button for three seconds to unlock the control panel and dispenser.
	The dispenser is not set for water dispensing.	<ul style="list-style-type: none"> • 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.

Ice & Water

Problem	Possible Cause	Solutions
Water is not dispensing.	Refrigerator or freezer doors are not closed properly.	<ul style="list-style-type: none"> Water will not dispense if any of the refrigerator doors are left open.
	Water filter has been recently removed or replaced.	<ul style="list-style-type: none"> After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately five 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 refrigerator to house supply valve is kinked.	<ul style="list-style-type: none"> The tubing can kink when the refrigerator 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.	<ul style="list-style-type: none"> Connect the refrigerator to the water supply and turn the water shutoff valve fully open. If the problem persists, it may be necessary to contact a plumber.
Dispensing warm water.	Refrigerator was recently installed.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> If the dispenser has not been used for several hours, the first glass dispensed may be warm. Discard the first 10 oz.
	Refrigerator is connected to the hot water supply.	<ul style="list-style-type: none"> Make sure that the refrigerator is connected to a cold water pipe. WARNING: Connecting the refrigerator to a hot water line may damage the icemaker.
Water has bad taste or odor.	Water supply contains minerals such as sulfur.	<ul style="list-style-type: none"> A water filter may need to be installed to eliminate taste and odor problems.
	Water filter has been exhausted.	<ul style="list-style-type: none"> Replacing the water filter is recommended: 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.
	Refrigerator was recently installed.	<ul style="list-style-type: none"> 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.

Parts & Features

Problem	Possible Cause	Solutions
Doors will not close correctly or pop open.	Food packages are blocking the door open.	<ul style="list-style-type: none"> Rearrange food containers to clear the door and door shelves.
	Ice bin, crisper cover, pans, shelves, door bins, or baskets are out of position.	<ul style="list-style-type: none"> Push bins all the way in and put crisper cover, pans, shelves and baskets into their correct positions. See the Operation section for more information.
	The doors were removed during product installation and not properly replaced.	<ul style="list-style-type: none"> Remove and replace the doors according to the Removing and Replacing Refrigerator Handles and Doors section.
	Refrigerator is not leveled properly.	<ul style="list-style-type: none"> See Door Alignment in the Refrigeration Installation section to level refrigerator.
Doors are difficult to open.	The gaskets are dirty or sticky.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> When you open the door, warmer air enters the refrigerator. 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.
Refrigerator wobbles or seems unstable	Leveling legs are not adjusted properly.	<ul style="list-style-type: none"> Refer to the Leveling and Door Alignment section.
	Floor is not level.	<ul style="list-style-type: none"> It may be necessary to add shims under the leveling legs or rollers to complete installation.
Lights do not work.	LED interior lighting failure.	<ul style="list-style-type: none"> The refrigerator compartment lamp is LED interior lighting, and service should be performed by a qualified technician.
Refrigerator has an unusual odor.	The Air Filter may need to be set to the MAX setting or replaced.	<ul style="list-style-type: none"> Set the Air Filter to the MAX setting. If the odor does not go away within 24 hours, the filter may need to be replaced. See the Replacing the Air Filter section for replacement instructions.
The interior of the refrigerator is covered with dust or soot.	The refrigerator is located near a fire source, such as a fireplace, chimney, or candle.	<ul style="list-style-type: none"> Make sure that the refrigerator is not located near a fire source, such as a fireplace, chimney or candle.
Touching the Smart InstaView display causes a malfunction.	The appliance was not grounded during installation.	<ul style="list-style-type: none"> The appliance should be grounded.
The Smart InstaView display does not light up or operate when touched.	The software is not working properly due to an error.	<ul style="list-style-type: none"> Press the switch on the back of the top left hinge cover to the Off (O) position and then back On ().

Noises

Problem	Possible Cause	Solutions
Clicking	The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control on some models) will also click when cycling on and off.	<ul style="list-style-type: none"> • 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 refrigerator.	<ul style="list-style-type: none"> • Normal Operation
	Refrigerator is not resting solidly on the floor.	<ul style="list-style-type: none"> • Floor is weak or uneven or leveling legs need to be adjusted. See the Leveling and Door Alignment section.
	Refrigerator with linear compressor was jarred while running.	<ul style="list-style-type: none"> • Normal Operation
Whooshing	Evaporator fan motor is circulating air through the refrigerator and freezer compartments.	<ul style="list-style-type: none"> • Normal Operation
	Air is being forced over the condenser by the condenser fan.	<ul style="list-style-type: none"> • Normal Operation
Gurgling	Refrigerant flowing through the cooling system.	<ul style="list-style-type: none"> • Normal Operation
Popping	Contraction and expansion of the inside walls due to changes in temperature.	<ul style="list-style-type: none"> • Normal Operation
Sizzling	Water dripping on the defrost heater during a defrost cycle.	<ul style="list-style-type: none"> • Normal Operation
Vibrating	If the side or back of the refrigerator is touching a cabinet or wall, some of the normal vibrations may make an audible sound.	<ul style="list-style-type: none"> • To eliminate the noise, make sure that the sides and back cannot vibrate against any wall or cabinet.
Dripping	Water running into the drain pan during the defrost cycle.	<ul style="list-style-type: none"> • Normal Operation
Pulsating or high-pitched sound	Your refrigerator is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new refrigerator to run longer than your old one, but it is still more energy efficient than previous models. While the refrigerator is running, it is normal to hear a pulsating or high-pitched sound.	<ul style="list-style-type: none"> • Normal Operation

LIMITED WARRANTY

FOR USA

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

Should your LG Refrigerator ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG Electronics ("LG") will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product and applies only when purchased and used within the United States including U.S. Territories.

WARRANTY PERIOD			
Refrigerator/ Freezer	Sealed System (Condenser, Dryer, Connecting Tube and Evaporator)	Compressor	
One (1) year from the date of original retail purchase	Five (5) years from the date of original retail purchase	Five (5) years from the date of original retail purchase	Linear / Inverter Compressor Only : Parts Only for years 6-10 from the date of original retail purchase (Consumer will be charged for labor)
Parts and Labor (internal/ functional parts only)	Parts and Labor	Parts and Labor	

- Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this limited warranty.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights that vary from state to state.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.
- Damage or failure caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage resulting from operating the product in a corrosive atmosphere or contrary to the product owner's manual.
- Damage or failure to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of God, or any other causes beyond the control of LG.

- Damage or failure caused by unauthorized modification or alteration, or if used for other than the intended purpose.
- Damage or failure resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes use of parts not authorized by LG. Improper installation or maintenance includes installation or maintenance contrary to the Product owner's manual.
- Damage or failure caused by incorrect electrical current, voltage, or plumbing codes.
- Damage or failure caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of the Product, unless such damage is reported within one (1) week of delivery.
- Damage or missing items to any display, open box, or discounted Product.
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or similar disclaimer.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- Increases in utility costs and additional utility expenses.
- Any noises associated with normal operation.
- Use of accessories (e.g., water filters, etc.), components, or consumable cleaning products that are not authorized by LG.
- Replacement of light bulbs, filters, or any consumable parts.
- When Product is used for other than normal and proper household use (e.g. commercial or industrial use, offices, and recreational facilities or vehicles) or contrary to the instructions outlined in the Product's owner's manual.
- Costs associated with removal and reinstallation of your Product for repairs.
- Shelves, door bins, drawers, handle and accessories, except for internal/functional parts covered under this limited warranty.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION

Call 1-800-243-0000 and select the appropriate option from the menu.

Or visit our website at <http://www.lg.com>

Or by mail: LG Electronics Customer Service P.O. Box 240007 Huntsville, AL 35813 ATTN: CIC

PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 1000 Sylvan Ave, Englewood Cliffs 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 1000 Sylvan Avenue Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing <https://www.lg.com/us/support/repair-service/schedule-repair-continued> and clicking on "Find My Model & Serial Number").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

FOR CANADA

ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS THE LAWS OF YOUR PROVINCE OR TERRITORY DO NOT PERMIT THAT, OR, IN OTHER JURISDICTIONS, IF YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

Should your LG Refrigerator ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG Electronics Canada, Inc. ("LGECI") will, at its option, repair or replace the Product upon receipt of proof of the original retail purchase. This limited warranty is valid only to the original retail purchaser of the Product and applies only to a Product distributed, purchased and used within Canada, as determined at the sole discretion of LGECI.

WARRANTY PERIOD (Note: If the original date of purchase cannot be verified, the warranty will begin sixty (60) days from the date of manufacture)			
Refrigerator	Sealed System (Condenser, Dryer, Connecting Tube and Evaporator)		Linear / Inverter Compressor
One (1) year from the date of original retail purchase	One (1) year from the date of original retail purchase	Seven (7) years from the date of original retail purchase	Ten (10) years from the date of original retail purchase
Parts and Labor (internal/functional parts only)	Parts and Labor	Parts only (Consumer will be charged for labor)	Part only (Consumer will be charged for labor)

- Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- Replacement products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured, all at the sole discretion of LGECI.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this Limited Warranty.

LGECI'S SOLE LIABILITY IS LIMITED TO THE LIMITED WARRANTY SET OUT ABOVE. EXCEPT AS EXPRESSLY PROVIDED ABOVE, LGECI MAKES NO, AND HEREBY DISCLAIMS, ALL OTHER WARRANTIES AND CONDITIONS RESPECTING THE PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO REPRESENTATIONS SHALL BE BINDING ON LGECI. LGECI DOES NOT AUTHORIZE ANY PERSON TO CREATE OR ASSUME FOR IT ANY OTHER WARRANTY OBLIGATION OR LIABILITY IN CONNECTION WITH THE PRODUCT. TO THE EXTENT THAT ANY WARRANTY OR CONDITION IS IMPLIED BY LAW, IT IS LIMITED TO THE WARRANTY PERIOD SET OUT ABOVE. UNDER NO CIRCUMSTANCES SHALL LGECI, THE MANUFACTURER OR DISTRIBUTOR OF THE PRODUCT, BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, DIRECT, INDIRECT, PUNITIVE OR EXEMPLARY DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF GOODWILL, LOST PROFITS, LOSS OF ANTICIPATED PROFITS, LOST REVENUE, LOSS OF USE, OR ANY OTHER DAMAGE, WHETHER ARISING DIRECTLY OR INDIRECTLY FROM ANY CONTRACTUAL BREACH, FUNDAMENTAL BREACH, TORT OR OTHERWISE, OR FROM ANY ACTS OR OMISSIONS. LGECI'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

This Limited Warranty gives you specific legal rights. You may also have other rights that vary from province to province depending on applicable provincial laws. Any term of this Limited Warranty that negates or varies any implied condition or warranty under provincial law is severable where it conflicts with such provincial law without affecting the remainder of this warranty's terms.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to i) deliver, pick up, or install or; educate on how to operate the Product; ii) correct wiring or plumbing; or iii) correct unauthorized repairs or installations of the Product;
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service;
- Damage or failure caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air;
- Damage or failure resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product's owner's manual;
- Damage or failure to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of God, or any other causes beyond the control of LGECI or the manufacturer;
- Damage or failure resulting from misuse, abuse, improper installation, repair, or maintenance of the Product. Improper repair includes use of parts not authorized or specified by LGECI. Improper installation or maintenance includes installation or maintenance contrary to the Product's owner's manual;

- Damage or failure caused by unauthorized modification or alteration of the Product, or if used for other than the intended household purpose/use of the Product, or damage or failure resulting from any water leakage due to improper installation of the Product;
- Damage or failure caused by incorrect electrical current, voltage or plumbing codes;
- Damage or failure caused by use that is other than normal household use, including, without limitation, commercial or industrial use, including use in commercial offices or recreational facilities, or as otherwise outlined in the Product's owner's manual;
- Damage or failure caused by the use of any accessories, components or cleaning products, including, without limitation, water filters, that are not approved/authorized by LGECI;
- Replacement of the water filter cartridge due to water pressure that is outside the specified operating range or due to excessive sediment in the water supply;
- Damage or failure caused by transportation and handling, including scratches, dents, chips and/or other damage to the finish of the Product, **unless** such damage results from defects in materials or workmanship and is reported to LGECI within one (1) week of delivery of the Products;
- Damage or missing items to any display, open box, refurbished or discounted Product;
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or any similar disclaimer;
- Products with original serial numbers that have been removed, altered or cannot be readily determined at the discretion of LGECI;
- Increases in utility costs and additional utility expenses in any way associated with the Product;
- Any noises associated with normal operation of the Product;
- Replacement of light bulbs, filters, fuses or any other consumable parts;
- Replacement of any part that was not originally included with the Product;
- Costs associated with removal and/or reinstallation of the Product for repairs; and
- Shelves, door bins, drawers, handle and accessories to the Product, except for internal/functional parts covered under this Limited Warranty.
- Coverage for "in Home" repairs, for products in-warranty, will be provided if the Product is within a 150 km radius from the nearest authorized service center (ASC), as determined by LG Canada. If your Product is located outside a 150 km radius from a ASC, as determined by LG Canada, it will be your responsibility to bring the Product, at your sole expense, to the ASC for in-warranty repair.

All costs and expenses associated with the above excluded circumstances, listed under the heading, This Limited Warranty Does Not Cover, shall be borne by the consumer.

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION, PLEASE CALL OR VISIT OUR WEBSITE:

Call 1-888-542-2623 (7 A.M. to 12 A.M., 365 days a year) and select the appropriate option from the menu, or visit our website at <http://www.lg.com>

PROCEDURE FOR RESOLVING DISPUTES:

EXCEPT WHERE PROHIBITED AT LAW, ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. EXCEPT WHERE PROHIBITED AT LAW, YOU AND LG BOTH IRREVOCABLY AGREE TO WAIVE THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to "LG" mean LG Electronics Canada, Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG Electronics, Canada, Inc., Attn: Legal Department-Arbitration, 20 Norelco Drive, North York, Ontario M9L 2X6. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between you and LG only by binding arbitration on an individual basis, unless you opt out as provided below, or you reside in a jurisdiction that prevents full application of this clause in the circumstances of the claims at issue (in which case if you are a consumer, this clause will only apply if

you expressly agree to the arbitration). To the extent permitted by applicable law, any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, except to the extent such a prohibition is not permitted at law, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis except to the extent this prohibition is not permitted at law in your province or territory of jurisdiction as it relates to the claims at issue between you and LG.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be private and confidential, and conducted on a simplified and expedited basis before a single arbitrator chosen by the parties under the provincial or territorial commercial arbitration law and rules of the province or territory of your residence. You must also send a copy of your written demand to LG at LG Electronics, Canada, Inc., Attn: Legal Department- Arbitration, 20 Norelco Drive, North York, Ontario M9L 2X6. This arbitration provision is governed by your applicable provincial or territorial commercial arbitration legislation. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that, issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the province or territory of your residence shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG attorn to the exclusive jurisdiction of the courts of the province or territory of your residence for the resolution of the claim, action, dispute or controversy between you and LG.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the applicable arbitration rules. Except as otherwise provided for herein, LG will pay all filing, administration and arbitrator fees for any arbitration initiated in accordance with the applicable arbitration rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the applicable laws), then the payment of all arbitration fees will be governed by the applicable arbitration rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the applicable arbitration rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely (1) on the basis of documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the applicable arbitration rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the applicable arbitration rules. Any in-person arbitration hearings will be held at the nearest, most mutually-convenient arbitration location available within the province or territory in which you reside unless you and LG both agree to another location or agree to a telephonic arbitration.

Severability and Waiver. If any portion of this Limited Warranty (including these arbitration procedures) is unenforceable, the remaining provisions will continue in full force and effect to the maximum extent permitted by applicable law. Should LG fail to enforce strict performance of any provision of this Limited Warranty (including these arbitration procedures), it does not mean that LG intends to waive or has waived any provision or part of this Limited Warranty.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out;" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing https://www.lg.com/ca_en/support/repair-service/schedule-repair and clicking on "Find My Model & Serial Number").

In the event that you "Opt Out", the law of the province or territory of your residence shall govern this Limited Warranty and any disputes between you and LG except to the extent that such law is preempted by or inconsistent with applicable federal or provincial/territorial law. Should arbitration not be permitted for any claim, action, dispute or controversy between you and LG, you and LG agree to attorn to the exclusive jurisdiction of the courts of the province or territory of your residence for the resolution of the claim, action, dispute or controversy between you and LG.

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.

Conflict of Terms. In the event of a conflict or inconsistency between the terms of this Limited Warranty and the End User License Agreement ("EULA") in regards to dispute resolution, the terms of this Limited Warranty shall control and govern the rights and obligations of the parties and shall take precedence over the EULA.



LG Customer Information Center

For inquiries or comments,
visit **www.lg.com** or call:

1-800-243-0000 U.S.A.

1-888-542-2623 CANADA

Register your product Online!

www.lg.com