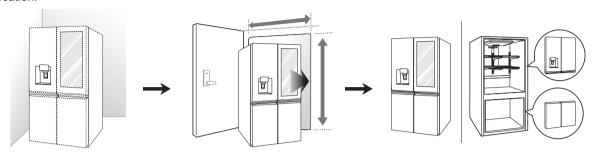
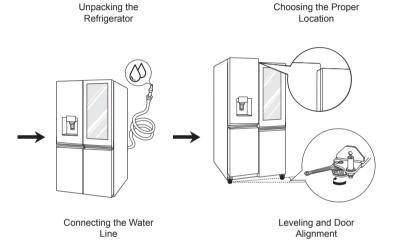
INSTALLATION

Installation Overview

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





Disassembling/ Assembling

A 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.

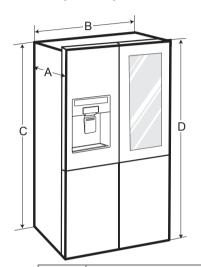
Ambient Temperature

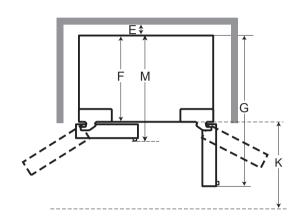
Install this appliance in an area where the temperature is between 55 °F (13 °C) and 110 °F (43 °C).

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* |
|---|----------------------------------|----------------------|
| Α | Depth without handle | 36 3/8" (923 mm) |
| В | Width | 35 7/8" (912 mm) |
| С | 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) |
| К | Front Clearance | 24" (610 mm) |
| М | 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

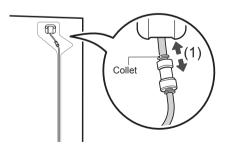
3/32 in. Allen wrench

1/8 in. Allen wrench

1/4 in. Allen wrench

Removing the Left Refrigerator Door

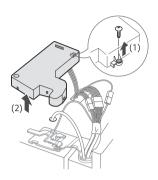
The water supply is connected to the upper right part of the rear surface of the refrigerator. Remove the ring in the joint area. Hold the water supply connection and gently push the collet to detach the water supply line as shown (1).



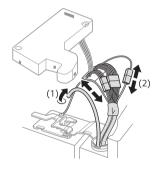
NOTE

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

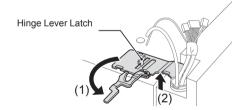
2 Remove the screw (1) from the hinge cover at the top of the refrigerator. Lift the hook (not visible), located at the bottom of the front side of the cover (2) with a flat-head screwdriver.



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



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

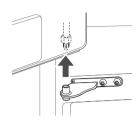




♠ CAUTION

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

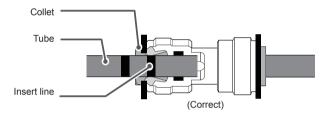
5 Lift the door from the middle hinge pin and remove the door.





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

NOTE Disassembling/Assembling the Water Lines

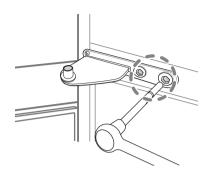


Removing the Right Refrigerator Door

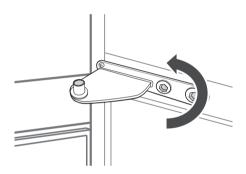
The right refrigerator door must be removed by authorized LG service personnel only. Call an LG Customer Information Center and arrange for service, if necessary.

Removing the Freezer Doors

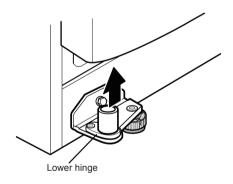
1 Remove the two hinge bolts.



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

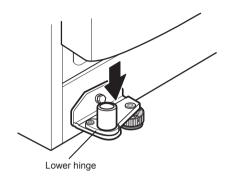


3 Remove the door by raising it from the lower hinge.

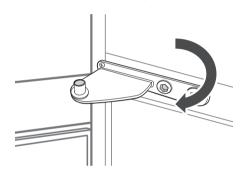


Assembling the Freezer Doors

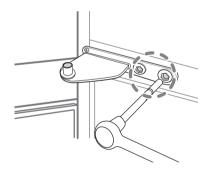
1 Lower the door onto the lower hinge pin.



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



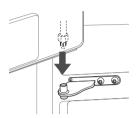
3 Tighten the two hinge bolts.



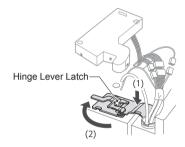
Assembling the Left Refrigerator Door

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

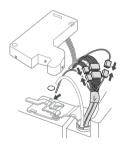
Make sure that the plastic sleeve is inserted in the bottom of the door. Install the refrigerator door onto the middle hinge.



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



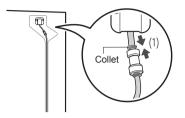
Connect all the wire harnesses.



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



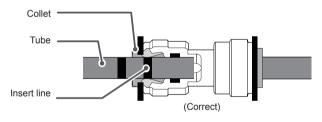
5 Hold the water supply connection and gently push in the collet to connect the water supply line as shown in (1). Insert the tube at least 5/8 inch (15 mm) into the connector.



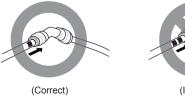
Make sure that the door-switch located inside the cover is tightly connected. Place the cover (1) in its position and tighten the cover screw (2).



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 floodina.

- 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.



A CAUTION

- To prevent burns and product damage, only connect the refrigerator water line to a cold water
- Wear eve 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.

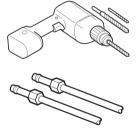
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276-414 kPa or 2.8-4.2 kgf/cm², less than 2.0-3.0 sec. to fill a cup of 7 oz or 198 cc capacity).

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):

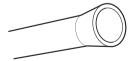
- Check to see if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If the water pressure remains low, call a licensed, qualified plumber.
- All installations must be in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

Supplies Needed

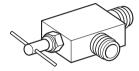
- Copper or PEX Tubing, 1/4 in. outer diameter, to connect the refrigerator to the water supply. Be sure both ends of the tubing are cut square. To determine how much tubing you need, measure the distance from the water valve on the back of the refrigerator to the water supply pipe. Then, add 8 feet (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 1/4 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.

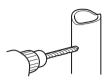
2 Choose the valve location.

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 ¼ 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.

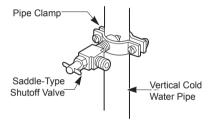


NOTE

• 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.

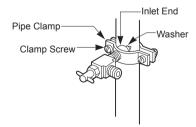


NOTE

 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.

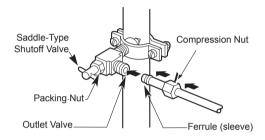
NOTE

 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.

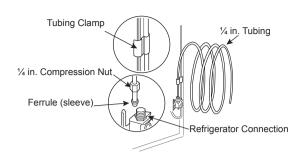
Turn the main water supply on and flush out the tubing until the water is clear. Shut the water off at the water valve after about one quart of water has been flushed through the tubing.



9 Connect the tubing to the refrigerator.

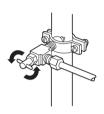
NOTE

- 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.

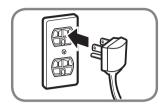




· Check for leaks at all water line connections.

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.





A 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:

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

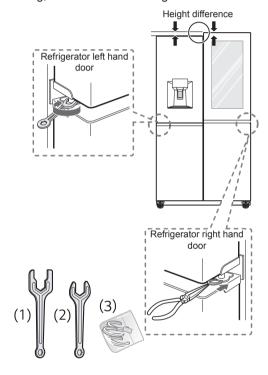
- A flare nut wrench works best, but an open-end wrench will suffice. Do not over-tighten.
- Open both doors and check to make sure that they close easily. If the doors do not close easily, tilt the refrigerator slightly more to the rear by turning both leveling legs to the left. It may take several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

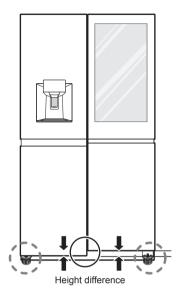
Refrigerator Door Alignment

- 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.



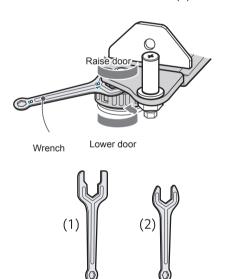
Freezer Door Alignment

- 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).

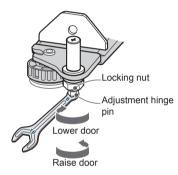


Method 2

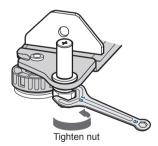
- Only allows a maximum of 3mm of adjustment.
- 1 Use the wider side of the number (2) wrench to unscrew the locking nut.



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.



A CAUTION

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

OPFRATION

Before Use



Clean the refrigerator.

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



A 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.



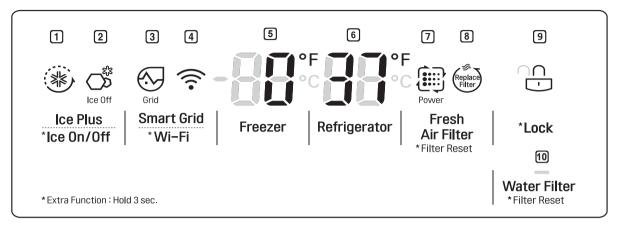
The refrigerator makes a loud noise after initial operation.

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.



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

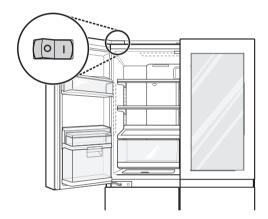
- The Smart InstaView display turns on:
- when the power is turned on,
- when the screen is touched, and
- when a fridge compartment door or the door-indoor is opened.
- The Smart InstaView display turns off automatically to save energy:
- Buttons on the display react in response to objects that have 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

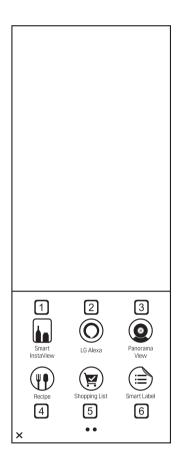
The Smart InstaView display power can be turned on or off by pressing the switch on the back of the top left hinge cover.

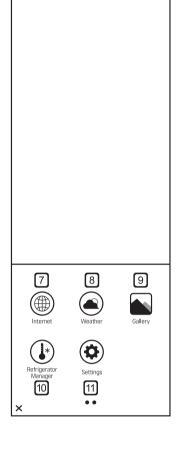
NOTE

- 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.

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

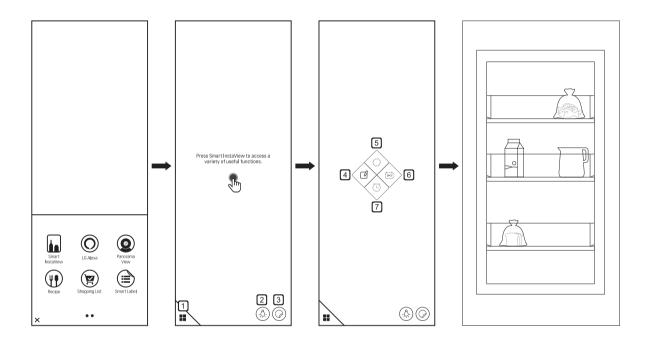
Set up notifications and change settings such as date and time and screen brightness.

Smart InstaView

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

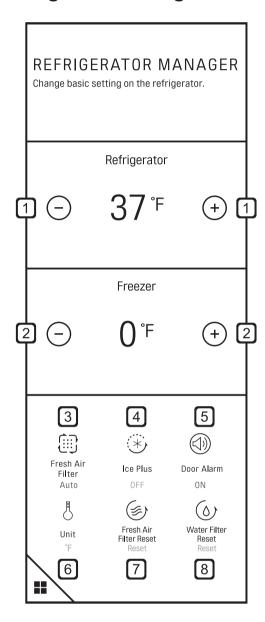
The smart label menu includes features that are useful for food management.

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.
- 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).
- 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

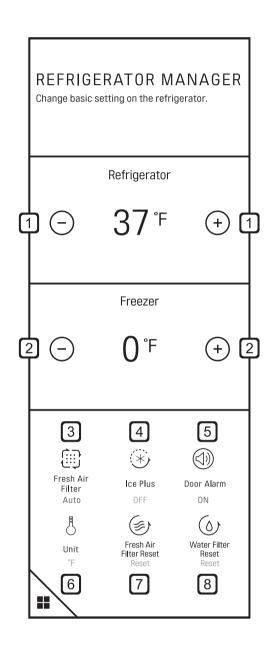
The Fresh Air Filter helps remove odors from the refrigerator. The Fresh Air Filter has two settings, Auto and Power. In Auto mode, the Fresh Air Filter cycles on and off in increments of 10 minutes on and 110 minutes off. If set to the Power mode, the Fresh Air Filter stays on continuously for 4 hours,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

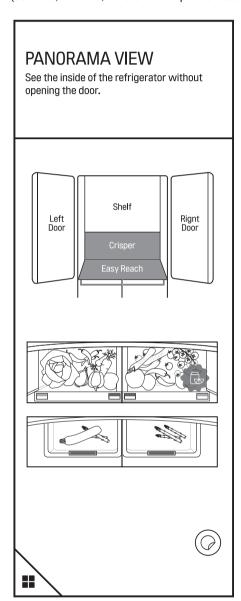
Replace the water filter when the **Water** Filter Reset icon turns on. After replacing, press the Reset button.

- 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.

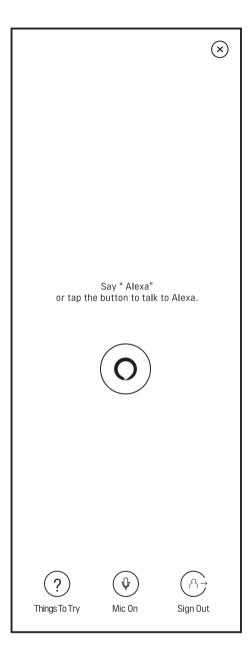
 Touch an image to bring up the smart label functions (stickers, memos, timers and expiration dates).



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.

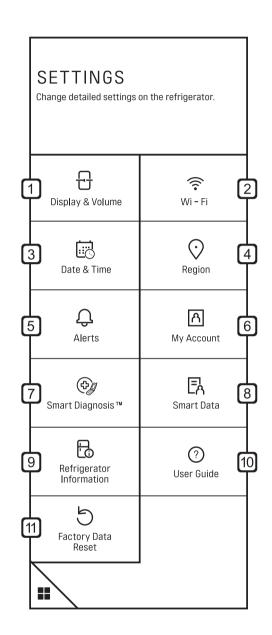
For example, try the following:

- "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

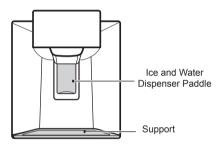
Erase the appliance settings and return it to the condition it was in when shipped from the factory.

Ice and Water Dispenser

A CAUTION

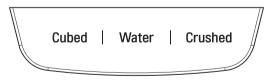
- Keep children away from the dispenser. Children may play with or damage the controls.
- Throw away the first few batches of ice (about 24 cubes) after installation. This is also necessary if the refrigerator has not been used for a long
- If ice or water dispenses unexpectedly, turn off the water supply 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



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.



A 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.

NOTE

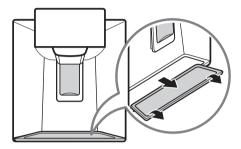
- To dispense cold water or ice, push on the dispenser paddle with a glass.
- The first ice and water dispensed may include particles or odor from the water supply line or the water tank. Throw away the first few batches of ice (about 24 cubes). This is also necessary if the refrigerator has not been 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.

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.



A 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.

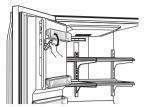


CAUTION

- 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

Gently pull the handle to open the ice compartment.

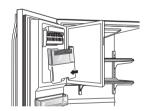


To remove the in-door ice bin, grip the front handle, slightly lift the lower part, and slowly pull out the bin as shown.



Assembling the In-Door Ice Bin

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



Gently push the handle to close the ice compartment.



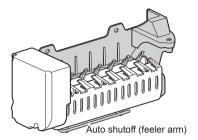
CAUTION

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



Personal Injury Hazard

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



A 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.

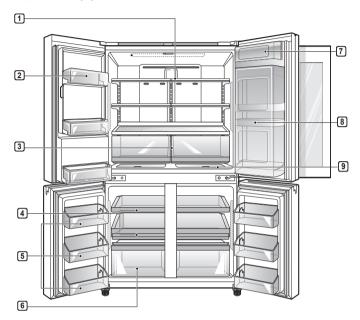
Storing Food

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.

EasyReach™

Store small items or defrost a frozen item.

A 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.

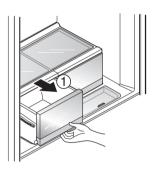
Do not use

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

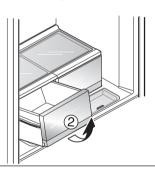
Big Fresh Zone

Removing the Big Fresh Zone Drawer

 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.

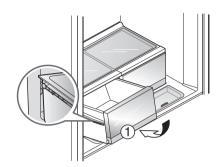




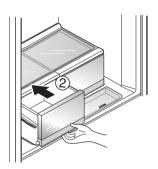
- Always empty the drawers before removing them, and use both hands when removing and assembling them.
- Make sure that the refrigerator doors are fully open before removing and assembling the drawers.

Assembling the Big Fresh Zone **Drawer**

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



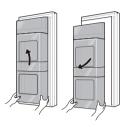
2 Gently push the drawer in while lowering it into



Removing/Assembling the **Fresh Zone Compartment**

Removing the Fresh Zone Compartment

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.



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

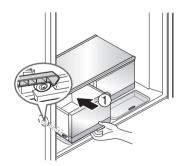
1 Hold the cover at a 45-degree angle and insert it into the refrigerator.



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.



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.



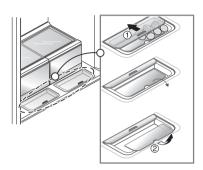
A CAUTION

- 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.



A 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.

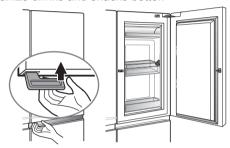
Door-in-Door

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.



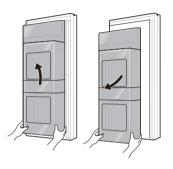
Removing the Door-in-Door Compartment

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



CAUTION

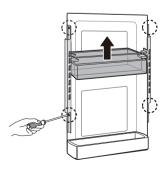
- Remove contents from the Door-in-Door compartment before disassembly.
- To remove the Door-in-Door case, lift up and pull



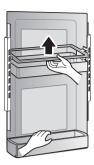
Move the EasyLift bin to the top of the compartment.



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

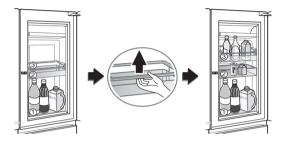
Assemble in the reverse order of removal.

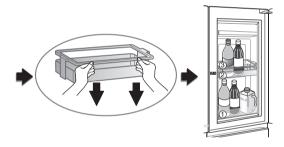
EasyLift Bin

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.





A 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

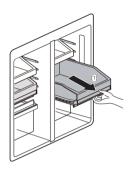
The sliding freezer drawers allow easy access and convenience of use.

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.

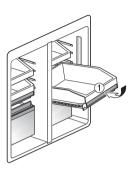




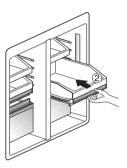
- The drawers are heavy. Always use two hands when removing or assembling the drawers to avoid product damage or personal injury.
- Always open the freezer doors completely before removing or assembling the drawers.

Assembling the Freezer Drawer

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.



A 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.

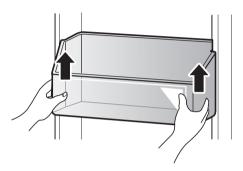
Door Bins

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.

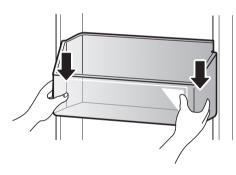
Do not store ice cream or foods intended for longterm storage in the freezer door bins.

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

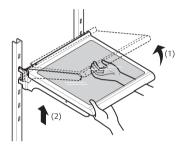
The shelves in the refrigerator are adjustable to meet individual storage needs. Your model may have full or split shelves.

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.

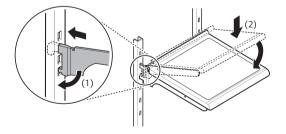
Detaching the Shelf

- 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.

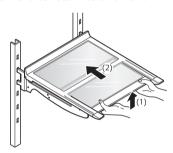


A CAUTION

- 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
- Glass shelves are heavy. Use special care when removing them.

Using the Folding Shelf

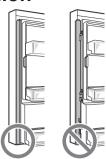
Store taller items, such as a gallon container or bottles, by pushing the front half of the shelf underneath the back half of the shelf. Pull the front of the shelf forward to return to a full shelf.



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





A 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.