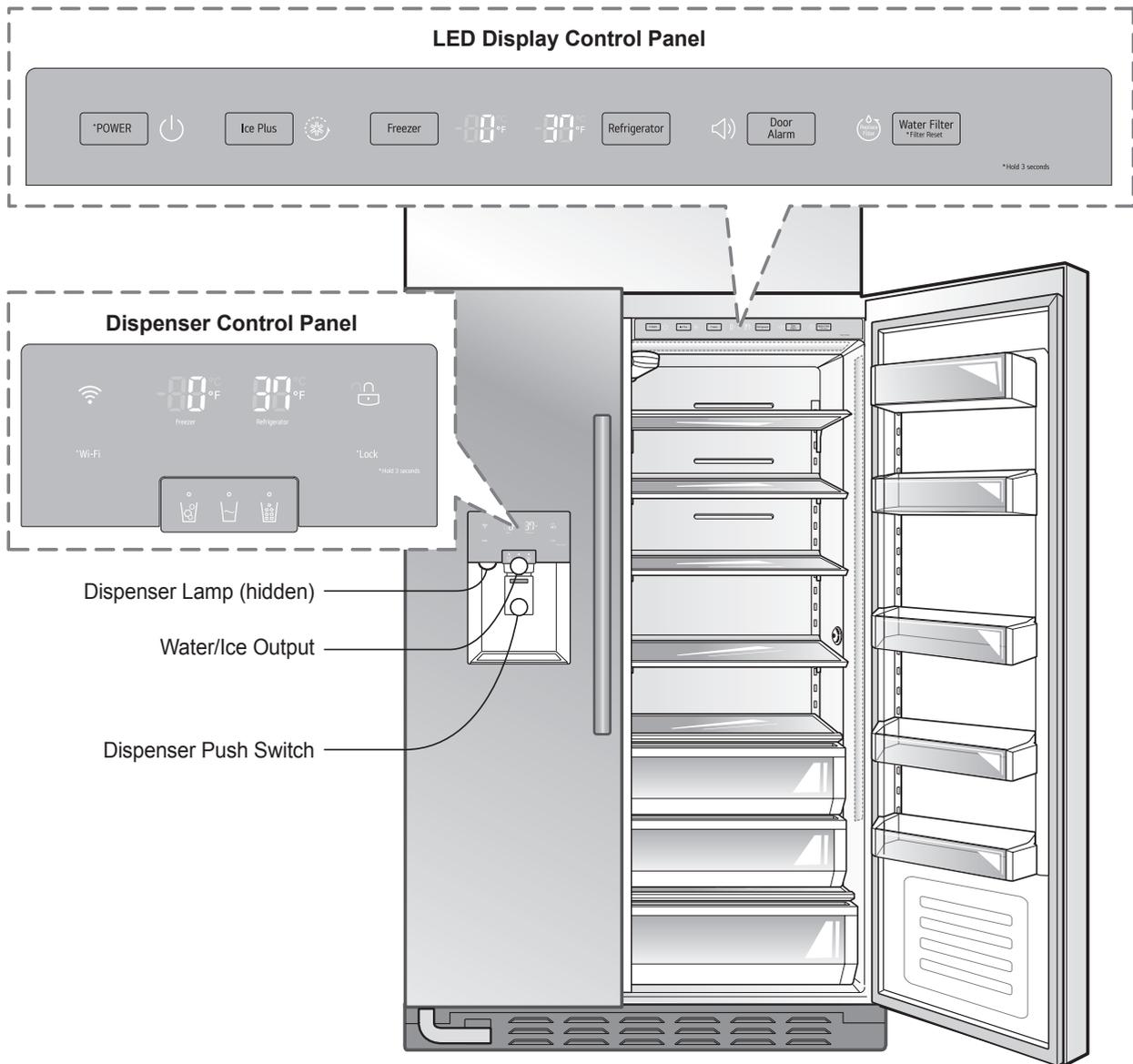


Starting

When the refrigerator is first installed, allow it to stabilize at normal operating temperatures for 2-3 hours prior to filling it with fresh or frozen foods. If operation is interrupted, wait 5 minutes before restarting.

Adjusting the Temperatures and Functions



Control Panel

LED Display Control Panel



① Power

The Power button turns off all electrical power to the unit.

Press and hold the Power button for 3 seconds to turn off the power. When the power is off, the indicator light is off. There is no need to turn off power at the circuit breaker or wall receptacle. Use this function for service or extended vacations.

② Ice Plus

Press the Ice Plus button once to activate the Ice Plus function.

The Ice Plus icon on the display panel illuminates when activated.

The Ice Plus function runs the freezer compartment at the coldest setting for a 24-hour period to increase icemaking by up to 20%, and then turns off automatically.

NOTE

- Press the button again to cancel the Ice Plus function.

③ Freezer

To adjust the temperature in the freezer compartment, press the Freezer button to cycle through the range of available settings.

④ Refrigerator

To adjust the temperature in the refrigerator compartment, press the Refrigerator button to cycle through the range of available settings.

NOTE

- The actual inner temperature varies depending on the food status, since the indicated temperature setting is the target temperature and not the actual temperature within the refrigerator.
Initially set the REFRIGERATOR CONTROL at 37°F(3°C) and the FREEZER CONTROL at 0°F(-18°C). Leave them at these settings for 24 hours (one day) to stabilize.
Then adjust the compartment temperature as illustrated above.
- To change temperature display from Fahrenheit to Celsius press and hold the Freezer and Refrigerator buttons simultaneously for approximately 5 seconds. Do the same to convert back to Fahrenheit.

⑤ Door Alarm 

The Door Alarm sounds three times at 30-second intervals when a compartment door is left open for more than 60 seconds. The alarm stops sounding when the door is closed. Press the Door Alarm button once to activate or deactivate the door alarm function.

NOTE

- Contact your local service center if the alarm continues to sound after the doors are closed.

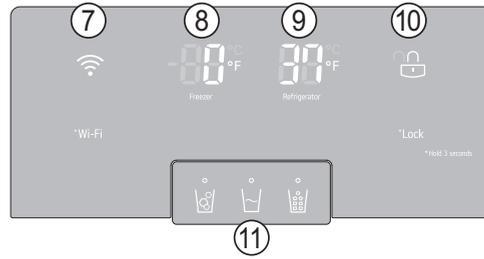
⑥ Water Filter 

Press and hold the Water Filter button for approximately 3 seconds to reset the filter indicator after the water filter has been replaced.

NOTE

- Replace the water filter approximately every 6 months, when the water filter indicator light reaches 0 or if the ice or water starts to taste bad.

Dispenser Control Panel



⑦ Wi-Fi 

Use the Wi-Fi button with the LG Smart Refrigerator smart phone app to connect the refrigerator to a home Wi-Fi network. Refer to the Smart Features section of the manual for information on the initial setup of the application.

The Wi-Fi icon displays the status of the refrigerator's network connection. When the refrigerator is connected to the network, the Wi-Fi icon is illuminated. Press and hold the Wi-Fi button for 3 seconds to connect to the network. The icon blinks while the connection is being made, then turns on once the connection is successfully made.

⑧ Freezer 

Freezer temperature indicator.

⑨ Refrigerator 

Refrigerator temperature indicator.

⑩ Lock 

Press and hold the Lock button for three seconds to lock the dispenser and all of the other control panel functions. Press and hold again for 3 seconds to unlock.

⑪ Dispenser Selection Indicator

Displays whether the dispenser is set to dispense water, cubed or crushed ice.

Dispensing Cubed Ice 

Press the dispenser selection button repeatedly until the cubed ice icon illuminates. Press the dispenser switch with a glass or other container to dispense cubed ice.

Dispensing Water 

Press the dispenser selection button repeatedly until the water icon illuminates. Press the dispenser switch with a glass or other container to dispense water.

Dispensing Crushed Ice 

Press the dispenser selection button repeatedly until the crushed ice icon illuminates. Press the dispenser switch with a glass or other container to dispense crushed ice.

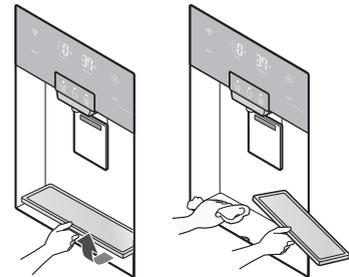
⚠ CAUTION

NOTE

- Hold the glass or other container in place for a couple of seconds after dispensing ice or water to catch the last few cubes or drops. The dispenser is designed to not operate while either refrigerator door is open.

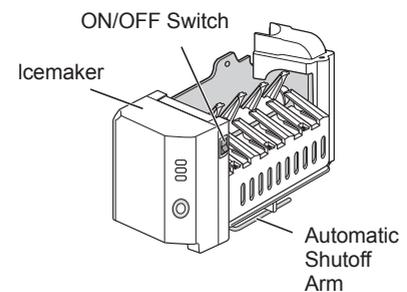
Cleaning

The water collector has no self-drainage function, so it should be cleaned regularly. Remove the cover by pulling the front of the water collector cover and dry it with a cloth.



Automatic Icemaker

- The automatic icemaker can automatically make 6 cubes at a time, 70~120 pieces per day. This quantity may vary by circumstance, including ambient temperature, door opening, freezer load. etc.
- Icemaking stops when the ice storage bin is full.
- To turn the icemaker off, turn the icemaker switch to OFF. To turn the icemaker back on, turn the switch to ON.



NOTE

- It is normal to hear noise when ice drops into the ice storage bin.
- Occasionally shake the ice storage bin so that the ice does not pile higher on one side. If the ice piles up high next to the ice maker, ice production will stop.

Icemaker Not Working Properly

Ice is Lumped Together

- When ice is lumped together, take the ice lumps out of the ice storage bin, break them into small pieces, and return the pieces to the ice storage bin.
 - When the ice produced by the icemaker is too small or is lumped together, the amount of water supplied to the icemaker may need to be adjusted. Contact the service center.
- ※ If ice is not used frequently, it may lump together.

Power Failure

- Ice may drop into the freezer compartment. Take the ice storage bin out and discard all the ice. Dry the ice bin and place it back in the freezer.

The Refrigerator is Newly Installed

- It takes about 12 hours for a newly installed refrigerator to make ice.

How to remove and reinstall the ice storage bin

Remove

- Grip the handle as shown in the figure 1.

BIN

- Lift the lower part slightly
- Take the Ice Storage bin out slowly

Cover

- Lift up the cover
- * Watch the hooks inside of cover.

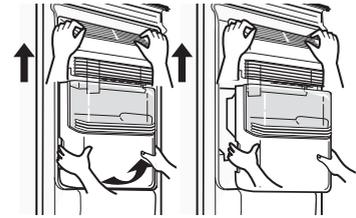


figure 1

Reinstall (Bin&Cover)

- Assembly is the reverse order of disassembly.
- You will hear the bin snap into place when it is in the correct position.

! WARNING

- Do not dismantle the ice storage bin unless it is necessary.
- Use both hands to remove the ice bin to avoid dropping it.
- Do not touch the ejector mechanism with hands or tools. It may damage the icemaker or hurt your hands (figure 2).

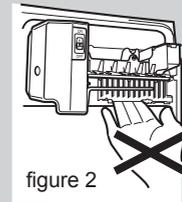


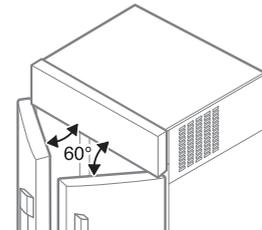
figure 2

Auto-Closing Door System

The doors automatically close when in the 60 degree position.

NOTE

- This function is performed by a spring-damper mechanism. Closing speed and strength depends on the ambient temperature, frequency of door opening/closing and contents of the door bins.



Other Functions

Open Door Alert

- A warning tone will sound 3 times at thirty-second intervals if the refrigerator or freezer door is left open for more than sixty seconds.
- Please contact a local service center if the warning continues to sound after the door is closed.

 **CAUTION**

Throw away the first few batches of ice (about 24 cubes) and water (about 7 glasses) first made after refrigerator installation.

The first ice and water may include particles or odor from the feed water pipe or feed water box. This is also necessary if the refrigerator has not been used for a long time.

Children should be supervised when using the dispenser.

Be careful that frost does not block the ice passage.

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

Never 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.

Never use thin crystal glass or crockery to collect ice.

Such containers may chip or break resulting in glass fragments in the ice.

Dispense ice into a glass before filling it with water or other beverages.

Splashing may occur if ice is dispensed into a glass that already contains liquid.

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

Part breakage or injury may occur.

Never remove the icemaker cover.

If discolored ice is dispensed, check the water filter and water supply. If the problem continues, contact service center. Do not use the ice or water until the problem is corrected.

Never use a glass that is exceptionally narrow or deep.

Ice may jam in the ice passage and refrigerator performance may be affected.

Keep the glass at a proper distance from the ice outlet.

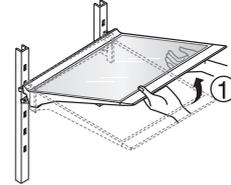
A glass held too close to the outlet may prevent ice from dispensing.

Shelf

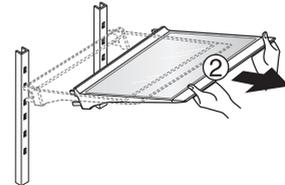
The shelves in the refrigerator are adjustable to meet individual storage needs.

Disassembling

1. Lift the front of the shelf slightly.

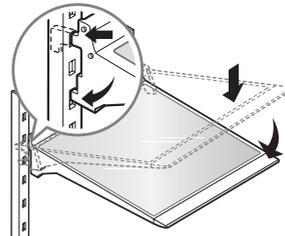


2. While supporting the shelf, tilt it and pull it out.



Reassembling

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



CAUTION

Make sure that shelves are level from one side to the other.

Failure to do so may result in the shelf falling or food spilling.

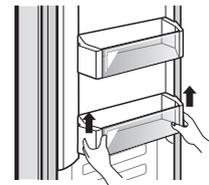
Freezer Door Bin

Use to store small packaged frozen food.

Do not use door bins to store ice cream or for long-term food storage.

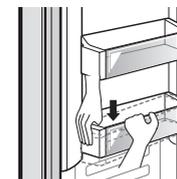
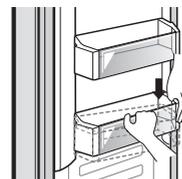
Disassembling

Hold the bin with both hands and slightly lift up the front part to pull the bin out.



Reassembling

Hold the bin with both hands and reassemble one side at a time by pushing it in.

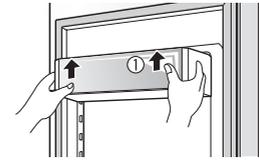


Dairy Corner

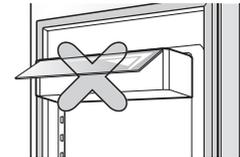
Use to store dairy goods like butter and cheese.

Disassembling

To remove the dairy corner, simply lift it up and pull straight out.



- ▶ Close the dairy corner completely after use. The refrigerator door may not close properly if the dairy corner is left open.



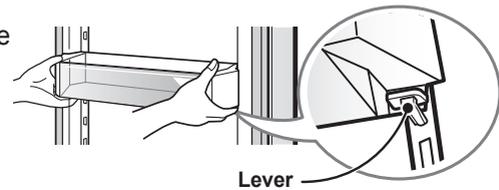
Adjustable Door Bins

Use to store small, packaged refrigerated food or beverages such as milk, canned drinks, etc. The adjustable door bins are removable for easy cleaning and adjustment.

Disassembling

You must remove the dairy corner before disassembling the adjustable door bin.

To remove the door bin, pull the levers on each side and pull the bin up off of the rail.



Lever

Reassembling

Before reassembling the adjustable door bin, remove the dairy corner.

Hold the door bin with both hands and place it on top of the rail. Push the basket down while holding the lever under the bin. The bin clicks when it is in the correct position.

⚠ CAUTION

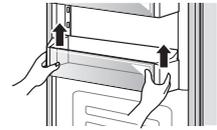
- Always disassemble/assemble the adjustable door bin using two hands. Make sure that the adjustable door bins are empty before disassembling/ assembling them.

Refrigerator Gallon Bin

For storing larger containers, such as gallons of milk.

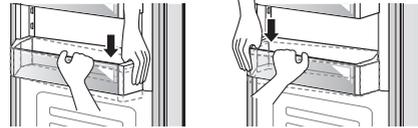
Disassembling

Hold the bin with both hands, lift up and pull out.



Reassembling

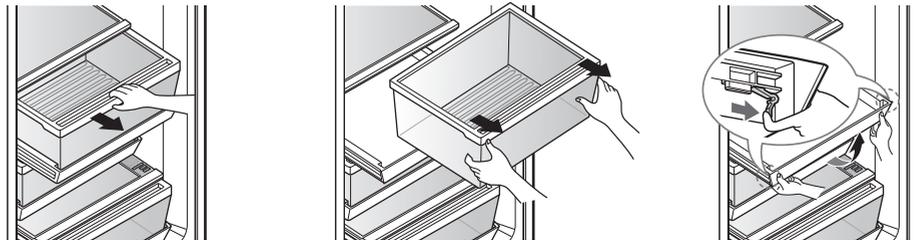
Hold the bin with both hands and click it into place, one side at a time.



Refrigerator/Freezer Drawers

For convenient storage of items like fruits, vegetables and packaged frozen food.

Disassembling



1. Hold the front handle of the drawer and pull it out until it stops.
2. When you cannot pull out the drawer any more, lift it up slightly to pull it out.
3. The lower compartment under the drawer is also removable.

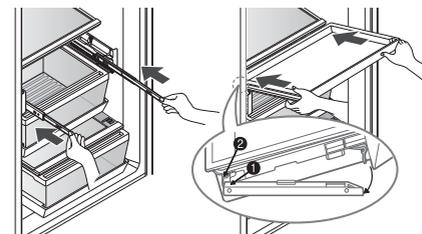
The drawer is reassembled in the reverse order.

CAUTION

- Always disassemble the drawers using two hands.
Make sure that the drawers are empty before removing them.

Reassembling the Lower Compartment

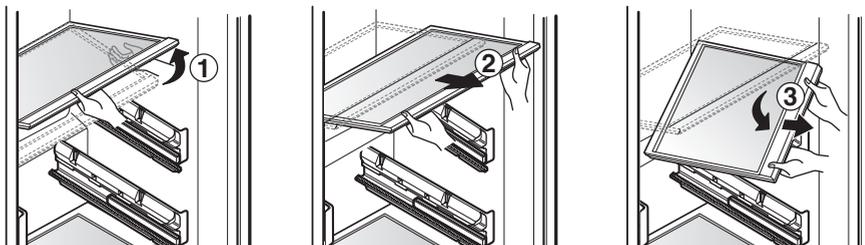
1. Slide both rails in simultaneously.
2. Hook the support **1** into the rail tabs **2** on both sides.
3. Lower the front of the compartment.
The compartment clicks when it is in the correct position.



Disassembling**Upper/Lower Drawer Covers**

1. Lift the front of the cover slightly, then lift the back of the cover from below.
2. Pull the cover forward firmly.
3. Tilt the cover up 45° and remove it.

The cover is reassembled in the reverse order.

**⚠ CAUTION**

Never wash the inside accessories of the appliance in the dishwasher. They must be cleaned by hand.

Replacing the Water Filter

Replace the water filter:

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



1. Remove the old water filter.

- Lower or remove the top left shelf to allow the water filter to rotate all the way down.
- Press the push button to open the water filter cover.

**NOTE**

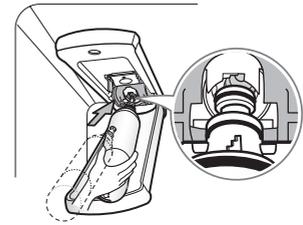
- Replacing the water filter causes a small amount of water (around 1 oz. or 25 cc) to drain. Place a cup under the front end of the water filter cover to collect any leaking water. Hold the water filter upright, once it is removed, to prevent any remaining water from spilling out of the water filter.

- Pull the water filter downward and pull out. Make sure to rotate the filter down completely before pulling it out of the manifold hole.

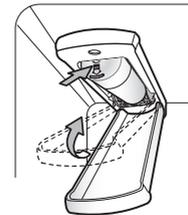


2. Replace with a new water filter.

- Take the new water filter out of its packing and remove the protective cover from the o-rings. With water filter tabs in the horizontal position, push the new water filter into the manifold hole until it stops.



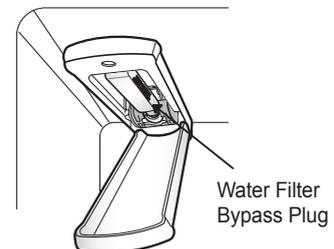
- Rotate the water filter up into position and close the cover. The cover clicks when closed correctly.



3. After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.

4. Water Filter Bypass Plug

- Keep the water filter bypass plug. You **MUST** use the water filter bypass plug when a replacement water filter cartridge is not available.



CAUTION

DO NOT operate refrigerator without water filter or water filter bypass plug installed.

NOTE

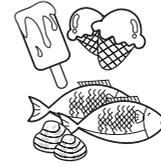
- To purchase a replacement water filter:
 - Visit your local dealer or distributor
 - Web: Find Parts & Accessories from Support section of lg.com
 - Call : 1-800-243-0000 (USA), 1-888-542-2623 (Canada)
- Part number of the replacement water filter: ADQ36006113

Food Storage Guide

(Refer to the Product Overview for identification of parts.)

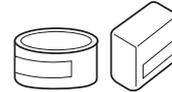
Freezer Compartment Shelf

Store various frozen foods such as meat, fish, ice cream, frozen snacks, etc.



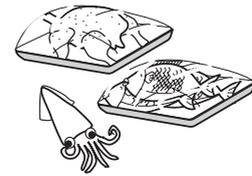
Freezer Compartment Door Bin

- Store small packed frozen food.
- The temperature in the door bins is likely to increase as the door opens; therefore, do not store long-term foods such as ice cream in the door bins.



Freezer Compartment Drawer

- Store meat, fish, chicken, etc. after wrapping them with thin foil.
- Store dry.



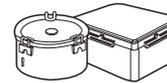
Dairy Corner

Store dairy products such as cheese and butter.



Refrigerator Compartment Shelf

Store side dishes or other foods at a proper distance.



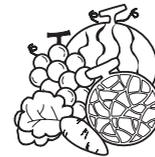
Refrigerator Compartment Door Bin

Store small packed food or beverages such as milk, juice, etc.



Vegetable Drawer

Store vegetables or fruits.



Food storage guide

- Store fresh food in the refrigerator compartment. How food is frozen and thawed is an important factor in maintaining its freshness and flavor.
- Do not store food that spoils quickly, such as bananas and melons, at low temperatures.
- Allow hot food to cool prior to storing it in the refrigerator. Placing hot food in the refrigerator could spoil other food and lead to a higher energy consumption.
- Tightly wrap food or store it in a container with a lid.
- Do not block air vents with food. Smooth circulation of chilled air keeps refrigerator temperatures even.
- Do not open the door frequently. Opening the door lets warm air enter the refrigerator and causes temperatures to rise.
- Do not overfill the door bins.
- For dated products, check date code to ensure freshness.
- Leave enough space in the freezer for air to circulate around packages.
- 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).

Freezer compartment

- Do not store bottles or glass in the freezer compartment. They may break or shatter.
- Do not refreeze food that has been thawed. This causes loss of taste and nutrients.
- When storing frozen food for an extended period of time, such as ice cream, keep it on a shelf, not in a door bin.
- Do not touch frozen containers made of metal with wet hands.

Refrigerator compartment

- Always clean food prior to refrigerating. Vegetables and fruits should be washed and dried. Packed food should be wiped to prevent adjacent food from spoiling.
- When storing eggs in their storage rack or box, ensure that they are fresh, and always store them in an upright position.

NOTE

- If you keep the refrigerator in a hot and humid place, frequent opening of the door or storing a lot of vegetables in it may cause condensation to form which has no effect on its performance. Remove the condensation with a paper or kitchen towel.

LG ThinQ Application Features

LG ThinQ Application

This feature is only available on models with Wi-Fi.

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

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.

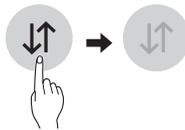
† This feature is only available on some models.

NOTE

- If you change your wireless router, Internet service provider, or password, delete the registered appliance from the **LG ThinQ** application and register it again.
- This information is current at the time of publication. The application is subject to change for product improvement purposes without notice to users.

Before Using LG ThinQ Application

1. Use a smartphone to check the strength of the wireless router (Wi-Fi network) near the appliance.
 - If the distance between the appliance and the wireless router is too far, the signal becomes weak. It takes long time to register or fails to install the application.
2. Turn off the **Mobile data** or **Cellular Data** on your smartphone.



3. Connect your smartphone to the wireless router.



NOTE

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

Installing the LG ThinQ Application

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

Connecting to Wi-Fi

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

Initial Appliance Registration

Run the LG ThinQ application and follow the instructions in the application to register the appliance.

Re-registering the Appliance or Registering Another User

Press and hold the Wi-Fi button for 3 seconds to temporarily turn it off. Run the LG ThinQ application and follow the instructions in the application to register the appliance.

Wireless LAN module Specifications

Model	LCW-003
Frequency Range	2412 to 2462 MHz
Output Power (Max)	< 30 dBm

FCC Notice

The following notice covers the 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.

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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.

Smart Diagnosis™ Feature

This feature is only available on models with the  or  logo.

Use this feature to help you diagnose and solve problems with your appliance.

NOTE

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, Wi-Fi unavailability, Wi-Fi disconnection, local app store policy, or app unavailability.
- The feature may be subject to change without prior notice and may have a different form depending on where you are located.

Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the **LG ThinQ** application.

- Launch the **LG ThinQ** application and select the Smart Diagnosis feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

Using Audible Diagnosis to Diagnose Issues

Follow the instructions below to use the audible diagnosis method.

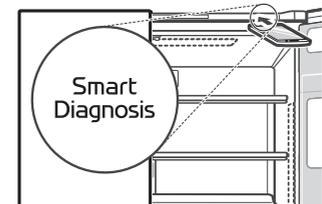
- Launch the **LG ThinQ** application and select the Smart Diagnosis feature in the menu. Follow the instructions for audible diagnosis provided in the **LG ThinQ** application.

1. 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.

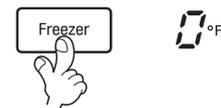


2. Open the right refrigerator door.

3. Hold the mouthpiece on your phone in front of the speaker that is located on the right hinge of the refrigerator door.



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



5. After you hear three beeps, release the **Freezer** button.

6. 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, the diagnosis will be displayed in the application.

NOTE

- For best results, do not move the phone while the tones are being transmitted.

General information

Vacation Time

If you choose to leave the refrigerator on while you are away, follow these steps to prepare the refrigerator before you leave.

1. Use up any perishables and freeze other items.
2. Turn off the icemaker and empty the ice bin.

If you choose to turn the refrigerator off before you leave, follow these steps.

1. Remove all food from the refrigerator.
2. Depending on your model, set the thermostat control (refrigerator control) to OFF.
3. Clean the refrigerator, wipe it and dry well.
4. Tape rubber or wood blocks to the tops of both doors to prop them open far enough for air to get in. This stops odor and mold from building up.

Power Failure

1. If the power will be out for 24 hours or less, keep all refrigerator doors closed to help foods stay cold and frozen.
2. If the power will be out for more than 24 hours, remove all frozen food and store it in a frozen food locker.

Anti-Condensation Pipe

The outside wall of the refrigerator cabinet may sometimes get warm, especially just after installation. This is due to the anti-condensation pipe, which pumps hot refrigerant to prevent sweating on the outer cabinet wall.

Replacing LED Lighting

Check to make sure that the LED lamp is turned on.

- LED lamp is not a user-serviceable item.

If the LED array fails, contact LG Electronics call center for service.

Cleaning

Keep the refrigerator clean to prevent undesirable odors. Wipe up spilled food immediately, since it may acidify and stain plastic surfaces if allowed to settle.

WARNING

Always unplug the refrigerator prior to cleaning. Wipe up excess moisture with a sponge or cloth to prevent water or liquid from getting into any electrical part and causing an electric shock. Never use metallic scouring pads, brushes, coarse abrasive cleaners, strong alkaline solutions, or flammable or toxic cleaning liquids on any surface. Do not touch frozen surfaces with wet or damp hands, because skin could stick to extremely cold surfaces.

Exterior

Use a lukewarm solution of mild soap or detergent to clean the durable finish of the refrigerator. Wipe with a clean damp cloth and then dry.

Interior

Clean the interior regularly. Wash all compartments using a baking soda solution or a mild detergent and warm water. Rinse and dry.

NOTE

- Do not clean the lower drawers in a dishwasher. The high temperature may damage the bins and make them unusable.

After Cleaning

Verify that the power cord is not damaged or overheated. Insert power plug completely into outlet.

Troubleshooting Guide

COOLING

Before conducting troubleshooting, make sure that the following basic requirements are met:

Service Flow	0.5 gpm (1.9 lpm)
Water Supply	Potable Water
Water Pressure	20-120 psi (138 - 827 kPa)
Operating Ambient Temperature Limits	33°F - 100°F (0.6 °C - 38 °C)
Electrical Ratings	115 Volts, 60 Hz, AC only, and fused at 15 or 20 amperes.

Problem	Possible Causes	Solutions
Refrigerator and Freezer section are not cooling.	The refrigerator control is set to OFF (some models).	Turn the control ON. Refer to the Setting the Controls section for proper temperature settings.
	Refrigerator is set to demo mode.	Demo Mode allows the lights and control display to work normally while disabling cooling to save energy while on the showroom floor. Refer to the Setting the Controls section for instructions on how to disable Demo Mode.
	Refrigerator is in the defrost cycle.	During the defrost cycle, the temperature of each compartment may raise slightly. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.
	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Refrigerator was recently relocated.	If the refrigerator was stored for a long time or moved on its side, it is necessary for the refrigerator to stand upright for 24 hours before connecting it to power.
	A fuse in your home may be blown or the circuit breaker tripped. Or the appliance is connected to a GFCI (Ground Fault Circuit Interrupter) outlet, and the outlet's circuit breaker has tripped.	Check the main electrical box and replace the fuse or reset the circuit breaker. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician. Reset the circuit breaker on the GFCI. If the problem persists, contact an electrician.

Problem	Possible Causes	Solutions
<p>Cooling System runs too much.</p>	<p>Refrigerator is replacing an older model.</p>	<p>Modern refrigerators require more operating time but use less energy due to more efficient technology.</p>
	<p>Refrigerator was recently plugged in or power restored.</p>	<p>The refrigerator will take up to 24 hours to cool completely.</p>
	<p>Door opened often or a large amount of food / hot food was added.</p>	<p>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.)</p>
	<p>Doors are not closed completely.</p>	<p>Firmly push the doors shut. If they will not shut all the way, see the Doors will not close completely or pop open section in Parts & Features Troubleshooting.</p>
	<p>Refrigerator is installed in a hot location.</p>	<p>The compressor will run longer under warm conditions. At normal room temperatures (70°F(21°C)) expect your compressor to run about 40% to 80% of the time. Under warmer conditions, expect it to run even more often. The refrigerator should not be operated above 110°F(43°C).</p>
	<p>Condenser / back cover is clogged.</p>	<p>Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.</p>

Problem	Possible Causes	Solutions
Refrigerator or Freezer section is too warm.	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Air vents are blocked.	Rearrange items to allow air to flow throughout the compartment. Refer to the Airflow diagram in the Using Your Refrigerator section.
	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Unit is installed in a hot location.	The refrigerator should not be operated in temperatures above 110°F(43°C).
	A large amount of food or hot food was added to either compartment.	Adding food warms the compartment requiring the cooling system to run. Allowing hot food to cool to room temperature before putting it in the refrigerator will reduce this effect.
	Doors not closed correctly.	See the Doors will not close correctly or pop open section in Parts & Features Troubleshooting.
	Temperature control is not set correctly.	If the temperature is too warm, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Defrost cycle has recently completed.	During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.

Problem	Possible Causes	Solutions
<p>Interior moisture buildup.</p>	<p>Doors are opened often or for long periods of time.</p>	<p>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.</p>
	<p>Doors not closed correctly.</p>	<p>See the Doors will not close correctly section in the Troubleshooting section.</p>
	<p>Weather is humid.</p>	<p>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.</p>
	<p>Defrost cycle recently completed.</p>	<p>During the defrost cycle, the temperature of each compartment may raise 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.</p>
	<p>Food is not packaged correctly.</p>	<p>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.</p>

COOLING/ICE & WATER

Problem	Possible Causes	Solutions
Food is freezing in the refrigerator compartment.	Food with high water content was placed near an air vent.	Rearrange items with high water content away from air vents.
	Refrigerator temperature control is set incorrectly.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Refrigerator is installed in a cold location.	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).
Frost or ice crystals form on frozen food (outside of package).	Door is opened frequently or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. Increased moisture will lead to frost and condensation. To lessen the effect, reduce the frequency and duration of door openings.
	Door is not closing properly.	Refer to the Doors will not close correctly or pop open section in the Troubleshooting section.
Refrigerator or Freezer section is too cold.	Incorrect temperature control settings.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
Frost or ice crystals on frozen food (inside of sealed package).	Condensation from food with a high water content has frozen inside of the food package.	This is normal for food items with a high water content.
	Food has been left in the freezer for a long period of time.	Do not store food items with high water content in the freezer for a long period of time.

Problem	Possible Causes	Solutions
<p>Icemaker is not making enough ice.</p>	<p>Demand exceeds ice storage capacity.</p>	<p>The icemaker will produce approximately 100 cubes in a 24 hour period.</p>
	<p>House water supply is not connected, valve is not turned on fully, or valve is clogged.</p>	<p>Connect the refrigerator to a cold water supply with adequate pressure and turn the water shutoff valve fully open.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	<p>Water filter has been exhausted.</p>	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • 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.
	<p>Low house water supply pressure.</p>	<p>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.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	<p>Reverse Osmosis filtration system is used.</p>	<p>Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to Water Pressure section.)</p>
	<p>Tubing connecting refrigerator to house supply valve is kinked.</p>	<p>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.</p>

ICE & WATER

Problem	Possible Causes	Solutions
<p>Icemaker is not making enough ice (continued).</p>	<p>Doors are opened often or for long periods of time.</p>	<p>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.</p>
	<p>Doors are not closed completely.</p>	<p>If the doors are not properly closed, ice production will be affected. See the Doors will not close completely or pop open section in Parts & Features Troubleshooting for more information.</p>
	<p>The temperature setting for the freezer is too warm.</p>	<p>The recommended temperature for the freezer compartment for normal ice production is 0°F(-18°C). If the freezer temperature is warmer, ice production will be affected.</p>
<p>Dispensing water slowly.</p>	<p>Water filter has been exhausted.</p>	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • 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.
	<p>Reverse osmosis filtration system is used.</p>	<p>Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	<p>Low house water supply pressure.</p>	<p>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.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>

Problem	Possible Causes	Solutions
<p>Not dispensing ice.</p>	<p>Unable to hear the sound of ice coming out?</p>	<p>In the control panel, select the modes for cubed ice and crushed ice alternately to dispense the ice.</p>
	<p>Doors are not closed completely.</p>	<p>Ice will not dispense if any of the refrigerator doors are left open.</p>
	<p>Infrequent use of the dispenser.</p>	<p>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.</p>
	<p>The delivery chute is clogged with frost or ice fragments.</p>	<p>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.</p>
	<p>The dispenser display is locked.</p>	<p>Press and hold the Lock button for three seconds to unlock the control panel and dispenser.</p>
	<p>Ice bin is empty.</p>	<p>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.</p> <p>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.</p>

Problem	Possible Causes	Solutions
Icemaker is not making ice.	Refrigerator was recently installed or icemaker recently connected.	It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice.
	Icemaker not turned on.	Locate the icemaker on/off switch and confirm that it is in the ON (I) position.
	The ice detecting sensor is obstructed.	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.	Connect refrigerator to the water supply and turn the water shutoff valve fully open.
	Icemaker shutoff (arm or sensor) obstructed.	If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors.
	Reverse osmosis water filtration system is connected to your cold water supply.	Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Water Pressure section.)

Problem	Possible Causes	Solutions
<p>Not dispensing water.</p>	<p>New installation or water line recently connected.</p>	<p>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.</p>
	<p>The dispenser panel is locked.</p>	<p>Press and hold the Lock button for three seconds to unlock the control panel and dispenser.</p>
	<p>The dispenser is not set for water dispensing.</p>	<p>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.</p>
	<p>Refrigerator or freezer doors are not closed properly.</p>	<p>Water will not dispense if any of the refrigerator doors are left open.</p>
	<p>Water filter has been recently removed or replaced.</p>	<p>After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.</p>
	<p>Tubing connecting refrigerator to house supply valve is kinked.</p>	<p>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.</p>
	<p>The house water supply is not connected, the valve is not turned on fully, or the valve is clogged.</p>	<p>Connect refrigerator to the water supply and turn the water shutoff valve fully open.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>

Problem	Possible Causes	Solutions
Ice has bad taste or odor.	Water supply contains minerals such as sulfur.	A water filter may need to be installed to eliminate taste and odor problems. NOTE: In some cases, a filter may not help. It may not be possible to remove all minerals / odor / taste in all water supplies.
	Icemaker was recently installed.	Discard the first few batches of ice to avoid discolored or bad tasting ice.
	Ice has been stored for too long.	Ice that has been stored for too long will shrink, become cloudy, and may develop a stale taste. Throw away old ice and make a new supply.
	The food has not been stored properly in either compartment.	Rewrap the food. Odors may migrate to the ice if food is not wrapped properly.
	The interior of the refrigerator needs to be cleaned.	See the Care and Cleaning section for more information.
	The ice storage bin needs to be cleaned.	Empty and wash the bin (discard old cubes). Make sure that the bin is completely dry before reinstalling it.
Dispensing warm water.	Refrigerator was recently installed.	Allow 24 hours after installation for the water storage tank to cool completely.
	The water dispenser has been used recently and the storage tank was exhausted.	Depending on your specific model, the water storage capacity will range from approximately 20 to 30 oz.
	Dispenser has not been used for several hours.	If the dispenser has not been used for several hours, the first glass dispensed may be warm. Discard the first 10 oz.
	Refrigerator is connected to the hot water supply.	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.

Problem	Possible Causes	Solutions
<p>Water has bad taste or odor.</p>	<p>Water supply contains minerals such as sulfur.</p>	<p>A water filter may need to be installed to eliminate taste and odor problems.</p>
	<p>Water filter has been exhausted.</p>	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • Approximately every 6 months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	<p>Refrigerator was recently installed.</p>	<p>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.</p>
<p>Icemaker is making too much ice.</p>	<p>Icemaker shutoff (arm/sensor) is obstructed.</p>	<p>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.</p>

 **NOISE**

Problem	Possible Causes	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.	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.	Normal Operation
	Refrigerator is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Refrigerator with linear compressor was jarred while running.	Normal Operation
Whooshing	Evaporator fan motor is circulating air through the refrigerator and freezer compartments.	Normal Operation
	Air is being forced over the condenser by the condenser fan.	Normal Operation
Gurgling	Refrigerant flowing through the cooling system.	Normal Operation
Popping	Contraction and expansion of the inside walls due to changes in temperature.	Normal Operation
Sizzling	Water dripping on the defrost heater during a defrost cycle.	Normal Operation

Problem	Possible Causes	Solutions
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.	To eliminate the noise, make sure that the sides and back cannot vibrate against any wall or cabinet.
Refrigerator vibrates after you close the door.	Door is closing too hard due to damaged hinges.	Solution: Please contact the service center.
	Compressor is vibrating.	The compressor is vibrating because the door is being closed too hard.
Dripping	Water running into the drain pan during the defrost cycle.	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.	Normal Operation

PARTS & FEATURES

Problem	Possible Causes	Solutions
Doors will not close correctly or pop open.	Food packages are blocking the door open.	Rearrange food containers to clear the door and door shelves.
	Ice bin, crisper cover, pans, shelves, door bins, or baskets are out of position.	Push bins all the way in and put crisper cover, pans, shelves and baskets into their correct positions. See the Using Your Refrigerator section for more information.
	The doors were removed during product installation and not properly replaced.	Remove and replace the doors according to the Removing and Replacing Refrigerator Handles and Doors section.
	Refrigerator is not leveled properly.	See Door Alignment in the Refrigeration Installation section to level refrigerator.
	The door hinges are damaged.	Please contact to the service center.
Doors are difficult to open.	The gaskets are dirty or sticky.	Clean the gaskets and the surfaces that they touch. Rub a thin coat of appliance polish or kitchen wax on the gaskets after cleaning.
	Door was recently closed.	When you open the door, warmer air enters the 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.	Refer to the Leveling and Door Alignment section.
	Floor is not level.	It may be necessary to add shims under the leveling legs or rollers to complete installation.
Refrigerator lights do not work.	The refrigerator compartment lamp is LED interior lighting, and service should be performed by a qualified technician.	Refer to the Light Bulb Replacement section.
Freezer lights do not work.	The freezer compartment light bulb may need to be changed.	Refer to the Light Bulb Replacement section.

Before Calling for Service

The following occurrences are normal.

	Occurrence	Solution
Noise	Ticking or clicking sound	This is the sound of various parts expanding/contracting or various control devices operating depending on the temperature change within the refrigerator.
	Whirring or motor sound	This is the sound of compressor or fan operating when the operation of the refrigerator is starting or ending. This is similar to the sound generated when starting or turning off the engine of a car.
	Sound of water flowing	This is the sound of refrigerant changing its state from liquid to gas or vice versa.
	Whooshing sound when opening or closing door	This is the sound generated when the internal pressure is temporarily lowered when the warm air entered through the refrigerator or freezer is cooled fast.
	Vibrating sound	If the refrigerator is installed on a wooden floor or next to a wooden wall, or if the refrigerator is not leveled properly, the sound can be loud from the vibration.
	Loud sound after first installing	When you operate the refrigerator for the first time, the refrigerator will operate at high speed to cool quickly and the sound can seem louder. When the internal temperature falls below a certain level, the noise will subside.
Door open	Door bounces open slightly after being closed	Depending on the force or speed of closing the refrigerator or freezer door, the door can be bumped open from the pressure. Be careful not to close the door too hard.
Icing/ Condensation	Icing or condensation formed on the inner or outer side of the refrigerator	When external air flows into the cool inner surface of the refrigerator, icing/condensation can be formed. This will happen more easily when you open and close the refrigerator door more frequently. Also, if the humidity of the installed location is high or during the rainy season or on a rainy day, condensation can form on the outer side of the refrigerator. This is a natural phenomenon that occurs during the humid weather. Wipe the water drops with a dry cloth.
Temperature	The front of the refrigerator is warm	Heat pipes are installed around the front part of the refrigerator and on the divider of the freezer and refrigerator to prevent the condensation from forming. The refrigerator may feel warmer just after installation or during the hot summer, but this is not a problem.