OPERATION

Before Use



Clean the refrigerator.

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

- 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 doors to ventilate the interior.

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

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.

• 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.

16 OPERATION

Control Panel

The control panel may differ from model to model.

Control Panel Features



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Voice Assistant

Changes voice assistant settings. This button allows the appliance to connect to a home **Wi-Fi** network. Refer to **SMART FUNCTIONS** for information on the initial setup of the **LG ThinQ** application.

2 Wi-Fi

The **Wi-Fi** button, when used with the **LG ThinQ** app, allows the refrigerator to connect to a home **Wi-Fi** network. Refer to Smart Functions for information on the initial setup of the application.

The icon shows the status of the refrigerator's network connection. The icon illuminates when the refrigerator is connected to the Wi-Fi network.

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

Auto Door

The wine compartment door opens automatically if you place a foot near the motion sensor at the bottom of the door. This is convenient when you have both hands full and need to open the wine compartment door. To set the automatic opening door function, press the button repeatedly to toggle between the ON, Sound Off, and OFF settings.

Using the Auto Door Function

When the automatic door opening function is enabled, text is displayed on the floor near the motion sensor.



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2 Pass one foot in front of the motion sensor and step on the displayed text. The wine compartment door opens. If the door opens less than about 20 degrees and is not opened further, it will close automatically after 3 seconds.



NOTE

Place your foot close enough to the sensor that the text appears on top of the foot, not just on the toes.

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You may want to disable the automatic door opening function if you have young children or persons with reduced physical, sensory, or mental capabilities in the home. They could be injured if the door opens unexpectedly while they are nearby.

NOTE

- The displayed text may not be readable on some flooring materials, but this will not affect the performance of the automatic door opening function.
- If flooring material is highly reflective (metal, glass tile), the motion sensor may malfunction and the automatic door opening function may not work properly.
- Reflective objects placed in front of the motion sensor may cause the text to display, but the text disappears if no movement is detected.
- If a pet passes by below when a person stands in front of the product, the automatic door opening function may be triggered.

Wine Upper

Indicates the set temperature of the upper zone in Celsius (°C) or Fahrenheit (°F).

The default temperature is 55 °F (13 °C). Press the **Wine Upper** button repeatedly to select a new set temperature from 52 °F to 64 °F (11 °C to 18 °C).

Wine Lower

Indicates the set temperature of the lower zone in Celsius (°C) or Fahrenheit (°F).

The default temperature is 46 °F (8 °C). Press the **Wine Lower** button repeatedly to select a new set temperature from 41 °F to 52 °F (5 °C to 11 °C).

6 Champagne

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Press the **Champagne** button repeatedly to turn on and off this function. The default condition is turned off.

NOTE

• If you turn off this function, the temperature inside the champagne drawer remains the same as the temperature of the lower wine compartment.

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 icon appears in the display and the function is activated.
- To disable the function, press and hold the **Lock** button for approximately three seconds.

8 Express Freeze

This function increases the freezing capabilities.

- To activate, press and hold the **Express Freeze** button until the LED lights up on the control panel.
- The function operates for about 24 hours, then turns off automatically.
- Stop the function manually by pressing and holding the button again.

18 OPERATION

Auto Lift

When **Auto Lift** is enabled, pressing the bottom pullout drawer button automatically opens the drawer and raises the inner compartment for convenient access.

Press the bottom pullout drawer button again to automatically lower the inner compartment and close the drawer.

Setting Auto Lift

Press the Auto Lift button repeatedly to toggle between Off \rightarrow Sound On \rightarrow Sound Off \rightarrow Auto Drawer Opening Only.

The setting is indicated by the icon in the display.

- Off: The drawer must be opened manually and the auto-lift function is disabled.
- Sound On: Sound is heard, the drawer is automatically opened and the inner compartment is raised
- Sound Off: The drawer automatically opens without sound and the inner compartment is raised
- Auto Drawer Opening Only: The drawer opens automatically without sound, but the inner compartment is not raised.



Using Auto Lift

- Press the Auto Lift button to turn Auto Lift on.
- Press the bottom pullout drawer button
 The bottom drawer automatically opens and the inner compartment is raised.

 When the auto door sensor ① detects motion in front of the refrigerator, the bottom pullout drawer button ② lights up. If the button does not light up, move closer to the refrigerator to trip the sensor.



Press the bottom pullout drawer button
to automatically lower the inner compartment and close the drawer.

NOTE

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- When the auto-lift function is turned off in the control panel:
 - Standing in front of the refrigerator will not activate the light around the bottom pullout drawer button.

- When the bottom pullout drawer button is pressed, the light blinks 3 times.
- When the auto-lift function is turned on in the control panel:
 - If pressing the bottom pullout drawer button does not close the bottom drawer, open the middle drawer or manually close the bottom drawer.
 - If pressing the bottom pullout drawer button does not open the bottom drawer, manually opening the drawer will cause the inner compartment to lift up.
 - The auto-lift function does not work when the middle drawer is open.

Freezer Drawer

Indicates the set temperature of the drawers in Celsius (°C) or Fahrenheit (°F). The default Freezer mode temperature is 0 °F (-18 °C). Press the **Freezer Drawer** button repeatedly to select a new set temperature from - 7 °F to 5 °F (-23 °C to -15 °C).

Setting Drawers to Freezer Mode

To set the drawers to the freezer mode, press and hold the **Freezer Drawer** button for approximately 1 second.

1 Refrigerator Drawer

Indicates the set temperature of the drawers in Celsius (°C) or Fahrenheit (°F). The default Refrigerator mode temperature is 37 °F (3 °C). Press the **Refrigerator Drawer** button repeatedly to select a new set temperature from 33 °F to 43 °F (1 °C to 7 °C).

Setting Drawers to Refrigerator Mode

To set the drawers to the refrigerator mode, press and hold the **Refrigerator Drawer** button for approximately 1 second.

NOTE

• The displayed temperature is the target temperature, and not the actual temperature of the refrigerator. The actual temperature depends on the food inside the refrigerator.

Humidity

Press the **Humidity** button to raise the humidity in all temperature zones.

Air Filter

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

NOTE

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, **Demo Mode** is displayed on the control panel about 5 seconds.

To deactivate / activate:-

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 With either refrigerator door opened, press the Express Freeze button 3 times consecutively while pressing the Refrigerator Drawer button. The control panel beeps and the temperature settings display to confirm that Display Mode is deactivated. Use the same procedure to activate Display Mode.

Sabbath Mode

Using the Sabbath Mode

Sabbath mode is used on the Jewish Sabbath and holidays.

- 1 To turn Sabbath mode on, close all doors or drawers.
- 2 Touch the display to activate it, then press and hold the Wi-Fi and Freezer Drawer buttons for 3 seconds until both LEDs turn on.

• If you open the bottom drawer while the refrigerator is returning from Sabbath mode to the normal operation mode, the bottom drawer will be closed automatically.

NOTE

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- Sabbath mode automatically turns off after 96 hours.
- To turn Sabbath mode off manually, press and hold the Wi-Fi and Freezer Drawer buttons for 3 seconds.
- Once turned on, Sabbath mode is maintained even after a power outage.
- Selecting Sabbath mode automatically turns off the alarm, auto-lift, InstaView door, and auto door opening functions.
- You may hear a clicking sound when the refrigerator returns from the Sabbath mode to the normal operation mode. It is normal to hear the clicking sound made during the operation check.
- You can activates or deactivates the Sabbath mode and sets schedule for the mode activation through the LG ThinQ application. Before activating this mode, close the door and drawers.

Storing Wine

 Do not overfill or pack items too tightly onto storage racks. Doing so may cause damage to the rack or personal injury if items are removed with excessive force.

NOTE

- If you are leaving home for a short period, like a short vacation, the refrigerator should be left on.
- If you are leaving the refrigerator turned off for an extended period, remove all contents and turn off the power. Clean the interior, and leave the door and drawers open to prevent fungi from growing in the refrigerator.
- If the refrigerator is kept in a hot and humid place, frequent opening of the door may cause condensation to form. Wipe off the condensation with a clean cloth or a paper towel.
- If the refrigerator door is opened or closed too often, warm air may penetrate the refrigerator and raise its temperature. This can increase the running costs of the unit and shorten the storage life of wines.
- Do not install the wine cooler near heat sources or where it will be exposed to direct sunlight.

Serving Temperature

If you plan to serve a wine within a few weeks, you may want to set one zone to store the wine at its recommended serving temperature. This does not preserve the quality of the wine as well long-term, but allows you to serve the wine without having to chill it or let it stand to bring it to the correct serving temperature. Serve wines kept at serving temperature within a few months. Check the label or consult a guide for the recommended serving temperature for specific wines.

41-45 °F (6-10 °C)—Non-vintage Champagne and Sparkling Wines

Cava, Asti, Prosecco, Sekt

43-46 °F (6-8 °C)—Sweet White Wines

45-50 °F (7-10 °C)—Vintage Champagne, Light White and Rosé Wines

Muscat, Rosé, Riesling, Pinot Grigio, Sauvignon Blanc, Semillon

50-55 °F (10-13 °C)—Full-Bodied White Wines and Light Red Wines

Chardonnay, Viognier, White Burgundy, Chablis, Pinot Noir, Beaujolais, Barbera, Grenache

54-61 °F (12-16 °C)—Tawny Port 58-64 °F (15-18 °C)—Medium- or Full-Bodied Red Wines, Aged Reds

Zinfandel, Chianti, Red Burgundy, Cabernet Sauvignon, Merlot, Malbec, Shiraz, Syrah, Bordeaux

64-68 °F (18-20 °C)- Vintage Port

Storage Capacity

The wine storage compartment of this product is designed to store only wine, so it is not recommended for storing other liquor/beverages.



NOTE

Stagger the fronts and backs of the bottles on the racks for safer storage.



Storing Red Wine

The top shelf can hold up to 16 bottles. The remaining shelves can hold up to 9 bottles each.



Storing White Wine

The shelf can hold up to 16 bottles.



Storing Champagne

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The drawer can hold up to 6 bottles.



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Storage Racks

The sliding racks help keep bottles organized and easy to reach.

- The storage racks are heavy. Always use two hands when removing or assembling the racks to avoid product damage or personal injury. Always empty racks before removing them.
- Always open the door completely before removing or assembling the racks.
- As a natural product, the wood used for the racks can vary in color and grain, including the presence of knots.
- Due to the nature of the wood, spilled wine and other liquids may stain or discolor the racks.

Removing and Assembling Red Wine Racks

1 To remove, raise the front of the shelf to disengage the shelf hooks, then lift the shelf from the back.



2 To assemble, tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height.



NOTE

• Foreign objects and dirt between the shelf and the inner cabinet wall could prevent the shelf light from turning on.

Wireless Power Transfer **1** Specifications

Frequency	350 kHz ± 20 kHz
Rated voltage	DC 12 V
Delivered power	Less than or equal to 1.2 W per shelf
Transmission mode	Electromagnetic induction



NOTE

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- Installing the shelf in the middle position will disable the shelf light.
- The shelf light turns on only when the shelf is installed in the highest or lowest positions.

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- The shelf light turns on when the door is opened.
- The shelf light turns off after seven minutes or when the door is closed.

Removing and Assembling White Wine Rack

1 To remove the rack, lift the rack and pull straight out.



2 To assemble the rack, insert the rack into the frame and lower it into place.



Removing and Assembling Champagne Drawer

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1 To remove, pull the drawer out.



2 Lift the drawer straight up and out of the frame.



3 While keeping both levers pressed, lift the drawer support slightly and remove it from the rail system.

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4 Align the drawer support on the rail and press it down until you hear snap sound.



5 To assemble, pull the drawer frame out until it stops. Angle the drawer into the frame and set it in place.



6 Slide the drawer back until it lowers into place on the frame. Slide the assembled drawer into the compartment.

InstaView Door

The sleek tinted glass panel illuminates with two quick knocks, allowing you to see inside the wine storage compartment without ever opening the door.



- 1 Knock twice on the glass to turn the LED light inside the door on or off.
- 2 The LED light turns off automatically after ten seconds.

NOTE

- The InstaView Door function is disabled for 2 seconds after closing the door.
- Knock near the center of the glass. Knocking near the edges of the glass may not activate the InstaView Door function.
- Knock hard enough so that the knocking sound is audible.
- The InstaView Door function may activate if a loud noise occurs near the refrigerator.
- Clean the glass door with a dry cloth. To remove stubborn stains, slightly moisten a clean cloth with lukewarm water or a glass cleaner. Do not spray glass cleaner directly at the glass door.

Storing Food

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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.

- 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.

Food	How to Store
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.

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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

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

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 door 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 door or freezer drawer is opened or closed too often, warm air may penetrate the refrigerator and raise its temperature. This can increase the running costs of the unit.

Auto-lift Device

Removing the Auto-lift Device

Remove the auto-lift device in the bottom drawer to increase the storage space or for cleaning.

- 1 Unplug the refrigerator or disconnect power.
- 2 Open the bottom drawer, hold the inner compartment with both hands and pull it out.



3 The auto-lift device is at the bottom of the drawer. Hold the inner edge of the device with both hands and pull it up.



4 Hold the top of the auto-lift device with both hands and remove it from the bottom drawer.



• The auto-lift device is heavy, so remove it with both hands.

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5 Insert the fingertips of both hands under the cover at the center and pull the cover forward gently.



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- Pull the cover gently to avoid damaging it.
- 6 Fold the back of the cover down and push the folded cover back slightly.



7 Insert the supplied hole cover into the groove at the bottom of the drawer.



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Assembling the Auto-lift Device

1 Remove the hole cover from the bottom of the drawer.



2 Raise the back section of the folded cover and rest it on the guide **①** at the rear of the drawer.



3 Hold the middle of the cover and lift it slightly into the groove.



4 Make sure the hinges on the auto-lift device are aligned with the slots in the drawer.



5 Lift the auto-lift device with both hands.

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6 Insert the hinges on the auto-lift device into the slots at the front of the drawer.



7 Lower the device into place and move it back and forth to make sure it is engaged.



- 8 Use both hands to assemble the inner compartment in the drawer.
- **9** Plug in the refrigerator or connect power.

SMART FUNCTIONS

LG ThinQ Application

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

LG ThinQ Application Features

• Smart Care+†

 Provides more personalized experience based on the usage pattern analysis of consumers.

Smart Sabbath†

 Activates or deactivates the Sabbath mode and sets schedule for the mode activation.

• Energy Monitoring†

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

- 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 strength becomes weak. It may take a long time to register or installation may fail.
- 2 Turn off the Mobile data or Cellular Data on your smartphone.



3 Connect your smartphone to the wireless router.



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NOTE

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- 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.

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

NOTE

 To disable the Wi-Fi function, press and hold the Wi-Fi button for 3 seconds. Wi-Fi icon will be turned off.

Wireless LAN Module Specifications

Model	PWFSA2
Frequency Range	2412 - 2462 MHz
Output Power (Max)	< 30 dBm

FCC Notice

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• 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 and also Part 18 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 into 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 and part 18 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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this device. It is the responsibility of the user to correct such interference.

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FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Industry Canada Statement

For transmitter module contained in this product

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licenceexempt 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.

Using the Voice Assistant

Before Using

The product must be connected to the **LG ThinQ** app in order to use the voice assistant feature.

For more information on connecting the product, refer to the **SMART FUNCTIONS** section.

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NOTE

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Voice assistant supports English commands only, so it will not be responded to other than English language.

Voice Assistant Features

Use your voice to automatically open the door and get information such as the weather or time of day.

Function	Command (example)
Open Door	Open the refrigerator door.
	Could you open the refrigerator door?
	Please open the refrigerator door.
Information	What day is it today?
	What time is it now?

NOTE

- Voice assistant results may vary based on the volume of the user's voice, their intonation, and the ambient noise.
- For best results, keep background noise to a minimum and stand within 10 ft. (3 m) of the refrigerator.
- On some models, the motion sensor works with the voice assistant to answer certain voice commands.

Setting up the Voice Assistant

You must wake the voice assistant up before it can assist you. You can select 2 different ways to do this.

Mode	Details
	This mode allows you to use either motion sensor activation or voice activation.
Wake Zone + Wake Word	• Wake Zone: Stand close enough to the front of the product and the voice assistant will wake automatically without the wake word.
	• Wake Word: Stand within 10 feet (3 m) of the refrigerator and clearly say, "Hi, LG".
Wake Word	This mode allows you to use voice activation.
	• Wake Word: Stand within 10 feet (3 m) of the refrigerator and clearly say, "Hi, LG".
OFF	This mode turns off the voice assistant



• When the voice assistant function is in standby mode, the built-in microphone is activated whether the display is on or off. Voice is then sent over the network to the server.

NOTE

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- When the voice assistant is set to the Wake Zone + Wake Word mode:
 - Every time you pass in front of the refrigerator, the voice assistant is activated by the wake zone and enters the standby mode to recognize voice commands. Saying "Hi, LG" will not activate the wake word function in this case.

Using Wake Word

To use the wake word, stand within 10 feet (3 m) of the refrigerator.

- **1** To wake the voice assistant, say, "**Hi, LG**".
 - The voice assistant control window automatically displays "Go ahead, I'm listening." and enters the ready mode.
- **2** Clearly issue your command.
 - Example: Open the refrigerator door.
 - If the voice assistant does not recognize the command, repeat it or try a different command.

Using Wake Zone

To use the wake zone, stand near the front of the refrigerator and the voice assistant will automatically wake and enter standby mode to receive voice commands.

- 1 Stand in front of the product and wait a moment.
 - The voice assistant control window automatically displays "Go ahead, I'm listening." and enters the ready mode.
- 2 Clearly issue your command.
 - Example: Open the refrigerator door.

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NOTE

Voice assistant supports English commands only, so it will not be responded to other than English language.

- To issue a new voice command, say, "Hi, LG" or move away from the refrigerator and then move close again (within 3.25 ft. or 1 m).
- If the voice command is not recognized, the voice assistant function exits the standby mode.

Smart Diagnosis[™] Feature

This feature is only available on models with the \circledast or \circledast 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.

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

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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 refrigerator door.
- 3 Hold the mouthpiece of your phone in front of the speaker that is located on the right hinge of the refrigerator door, when instructed to do so by the call center.
- 4 Press and hold the Freezer Drawer button for three seconds while continuing to hold your phone to the speaker.

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

MAINTENANCE

Cleaning

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

- Do not use an abrasive cloth or sponge when cleaning the interior and exterior of the refrigerator.
- Do not place your hand on the bottom surface of the refrigerator when opening and closing the doors.

General Cleaning Tips

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

Exterior

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Waxing external painted metal surfaces helps provide rust protection. Do not wax plastic parts. Wax painted metal surfaces at least twice a year using appliance wax (or auto paste wax). Apply wax with a clean, soft cloth.

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

Inside Walls

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

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

Door Liners and Gaskets

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

Plastic Parts (covers and panels)

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

Air Filter

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Replacing the Fresh Filter

Replace the air filter:

- Approximately every six months.
- When the air filter LED blinks or the replacement indcator icon is displayed.

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Remove the cover to the air filter compartment by inserting the blunt end of a plastic pen into the groove at the base of the compartment on either side.



2 Remove the filter inside the air filter cover and replace it with a new filter.



- Make sure to insert the new filter with the "Back" label facing out.
- 3 To reset the filter replacement period, press the **Air Filter** button on the control panel until the icon on the control panel turns off.