LG
Life's Good

OWNER'S MANUAL

FRIDGE& FREEZER

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

EN	ENGLISH	ES	ESPAÑOL	IT	ITALIANO	PL	POLSKI	SR	SRPSKI
BG	БЪЛГАРСКИ	ET	EESTI	LT	LIETUVIŲ	PT	PORTUGUÊS	SV	SVENSKA
CS	ČEŠTINA	FI	SUOMI	LV	LATVIEŠU	RO	ROMÂNĂ		
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www.lg.com

Refer to the owner's manual on LG website for more detailed information.

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This manual may contain images or content different from the model you purchased.

This manual is subject to revision by the manufacturer.

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SAFETY INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

⚠ This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

⚠ WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.

⚠ CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

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

Children in the Household

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

- If the appliance is equipped with a lock (some models only), keep the key out of reach of children.

For use in Europe:

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Children aged from 3 to 8 years are allowed to load and unload refrigerating appliances.

Installation

- This appliance should only be transported by two or more people holding the appliance securely.
- Ensure that the socket outlet is properly grounded, and that the earth pin on the power cord is not damaged or removed from the power plug. For more details on grounding, inquire at an LG Electronics customer information centre.
- This appliance is equipped with a power cord having an equipment-grounding conductor and a grounding power plug. The power plug must be plugged into an appropriate socket outlet that is installed and grounded in accordance with all local codes and ordinances.
- If the power cord is damaged or the hole of the socket outlet is loose, do not use the power cord and contact an authorized service centre.
- Do not plug the appliance into a multi socket adapter which does not have a power cable (mounted).
- Do not modify or extend the power cable.

- The appliance should be connected to a dedicated power line which is separately fused.
- Do not use a multi socket outlet which is not properly grounded (portable). In case of using a properly-grounded multi socket outlet (portable), use the multi socket outlet with the current capacity of the power code rating or higher and use the multi socket outlet only for the appliance.
- Install the appliance in a place where is easy to unplug the power plug of the appliance.
- Be careful not to point the power plug up or let the appliance lean against the power plug.
- Install the appliance on a firm and level floor.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Do not place the appliance in direct sunlight or expose it to the heat from heating appliances such as stoves or heaters.
- Be careful not to expose the rear of the appliance when installing.
- Be careful not to let the appliance door fall during assembly or disassembly.
- Be careful not to pinch, crush, or damage the power cable during assembly or disassembly of the appliance door.
- Do not connect a plug adapter or other accessories to the power plug.

Operation

- Do not use the appliance for any purpose (storage of medical or experimental materials or shipping) other than any domestic household food storage use.
- Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- If water penetrates electrical parts of the appliance, disconnect power plug and contact an LG Electronics customer information centre.
- Do not place hands or metallic objects inside the area emitting the cold air, cover or heat releasing grille on the back.
- Do not apply excessive force or impact to the back cover of the appliance.
- Do not put animals, such as pets into the appliance.
- Be careful of nearby children when you open or close the appliance door. The door may bump the child and cause injury.
- Avoid the danger of children getting trapped inside the appliance. A child trapped inside the appliance can cause suffocation.
- Do not place heavy or fragile objects, containers filled with liquid, combustible substances, flammable objects (such candles, lamps, etc.), or heating devices (such as stoves, heaters, etc.) on the appliance.

- If there is a gas leakage (isobutane, propane, natural gas, etc.), do not touch the appliance or power plug and ventilate the area immediately. This appliance uses a refrigerant gas (isobutane,R600a). Although it uses a small amount of the gas, it is still combustible gas. Gas leakage during appliance transport, installation or operation can cause fire, explosion or injury if sparks are caused.
- Do not use or store flammable or combustible substances (ether, benzene, alcohol, chemical, LPG, combustible spray, insecticide, air freshener, cosmetics, etc.) near the appliance.
- Immediately unplug the power plug and contact an LG Electronics customer information centre if you detect a strange sound, odour, or smoke coming from the appliance.
- Fill with potable water only into icemaker or dispenser water tank.
- Do not damage the refrigerant circuit.
- Do not place any electronic appliance (such as heater and mobile phone) inside the appliance.

Maintenance

- Disconnect the power cord before cleaning the appliance or replacing the inside lamp (where fitted).
- Securely plug the power plug in the socket outlet after completely removing any moisture and dust.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the socket outlet.
- Do not spray water or inflammable substances (toothpaste, alcohol, thinner, benzene, flammable liquid, abrasive, etc.) over the interior or exterior of the appliance to clean it.
- Do not clean the appliance with brushes, cloths or sponges with rough surfaces or which are made of metallic material.

- Only qualified service personnel from LG Electronics service centre should disassemble, repair, or modify the appliance. Contact an LG Electronics customer information centre if you move and install the appliance in a different location.
- Do not use a hair drier to dry the inside of the appliance or place a candle inside to remove the odours.
- Do not use mechanical devices or other means to accelerate the defrosting process.

Disposal

- When discarding the appliance, remove the door gasket while leaving the shelves and baskets in place and keep children away from the appliance.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.

Technical Safety

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use electrical appliances inside the refrigerator.
- The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. Consult with service agent or a similarly qualified person before disposing of them.
- Refrigerant leaking out of the pipes could ignite or cause an explosion.
- The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

- This appliance is intended to be used in household and similar applications only. It should not be used for commercial, or catering purposes, or in any mobile application such as a caravan or boat.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

Risk of Fire and Flammable Materials



This symbol alerts you to flammable materials that can ignite and cause a fire if you do not take care.

- This appliance contains a small amount of isobutane refrigerant (R600a), but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes. In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance is used should correspond to the amount of refrigerant used. The room must be 1 m² in size for every 8 g of R600a refrigerant inside the appliance.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

⚠ CAUTION

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

Installation

- Do not tilt the appliance to pull or push it when transporting.
- Make sure not to get a body part such as a hand or foot stuck while moving the appliance.

Operation

- Do not touch frozen food or the metal parts in the freezer compartment with wet or damp hands. It may cause frostbite.
- Do not place glass containers, bottles or cans (especially those containing carbonated drinks) in the freezer compartment, shelves or ice bin that will be exposed to temperatures below freezing.
- The tempered glass on the front side of the appliance door or the shelves can be damaged by an impact. If it is broken, do not touch it with hands.
- Do not hang from the appliance doors, storage room, shelf or climb up into it.
- Do not store an excessive amount of water bottles or containers for side dishes on the door baskets.
- Prevent animals from nibbling on the power cable or water hose.
- Do not open or close the appliance door with excessive force.
- If the hinge of the appliance door is damaged or operates improperly, stop using the appliance and contact an authorized service centre.
- Do not clean glass shelves or covers with warm water when they are cold. They may break if exposed to sudden temperature changes.

- Never eat frozen foods immediately after they have been taken out in the freezer compartment.
- Do not use a thin crystal cup or chinaware when dispensing.
- Make sure not to get a hand or foot stuck upon opening or closing the appliance door or door in door.

Maintenance

- Do not insert the shelves upside down. The shelves may fall.
- To remove frost from the appliance, contact an LG Electronics customer information centre.
- Dispose of the ice inside the ice bin in the freezer compartment during an extended power outage.

Disposal of Your Old Appliance



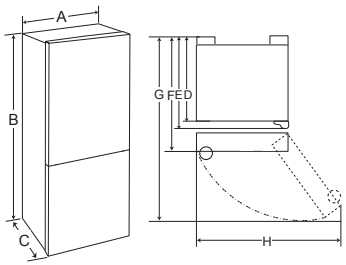
- This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
- Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative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

INSTALLATION

Before Installation

Dimensions and Clearances

- Too small of a distance from adjacent items may result in the degradation of freezing capability and increased electricity costs. Allow over 50 mm of clearance from each adjacent wall when installing the appliance.



-	Size (mm)	
Type	Bar Handle	Pocket Handle
A	705	700
B	1720/1850	1720/1850
C	740	700
D	595	595
E	665	665
F	700	700
G	1340	1340
H	1200	1160

NOTE

- The height (B) of the appliance may differ from model to model.

Ambient Temperature

- The appliance is designed to operate within a limited range of ambient temperatures, depending on the climate zone.
- The internal temperature could be affected by the location of the appliance, the ambient temperature, the frequency of door opening and so on.
- The climate class can be found on the rating label.

Climate Class	Ambient Temperature Range ºC
SN (Extended Temperate)	+10 - +32
N (Temperate)	+16 - +32
ST (Subtropical)	+16 - +38
T (Tropical)	+16 - +43 / +10 - +43*

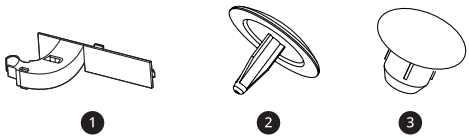
*Australia, India, Kenya

NOTE

- The appliances rated from SN to T are intended to be used at an ambient temperature between 10 ºC and 43 ºC.

Accessories

*1:This feature is only available on some models.



1. Cord Holder*1
2. Cap Door*1
3. Cap Hinge*1

Reversing Doors(*)

Your appliance is designed with reversible doors, so that they may open from either the left or right hand side to suit your kitchen design.

NOTE

- Reversing the doors must be performed by the qualified personnel of LG Electronics. If not, the doors will not be covered by the warranty.
- (*) : This feature varies depending on the model purchased.

Leveling the Appliance

To avoid vibration, the unit must be levelled.

If required, adjust the levelling screws to compensate for the uneven floor.

The front should be slightly higher than the rear to aid in door closing.

Levelling screws can be turned easily by tipping the cabinet slightly.

Turn the leveling screws counterclockwise  to lower the unit, clockwise to raise it.

Connecting the Appliance

After installing the appliance, connect the power plug into a socket outlet.

NOTE

- After connecting the power supply cord (or plug) to the outlet, wait 2 or 3 hours before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil.

Moving the Appliance

1. Remove all food from inside the appliance.
2. Pull the power plug out, insert and fix it into the power plug hook at the rear or on top of the appliance.
3. Tape parts such as shelves and the door handle to prevent from falling off while moving the appliance.
4. Move the appliance with more than two people carefully. When transporting the appliance over a long distance, keep the appliance upright.
5. After installing the appliance, connect the power plug into a socket out to switch on the appliance.

Notes for Operation

- Users should keep in mind that frost can form. If the door is not closed completely, if the humidity is high during the summer, or if the freezer door is opened frequently.
- Ensure there is sufficient space between food stored on the shelf or door basket to allow the door to close completely.
- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

Suggestion for Energy Saving

- Ensure there is sufficient space between stored foods. This allows cold air to be circulated evenly and lowers electricity bills.
- Store hot food only after it has cooled in order to prevent dew or frost.
- When storing food in the freezer compartment, set the freezer temperature lower than the temperature indicated on the food.
- Do not put food near the temperature sensor of the fridge compartment. Keep a distance of at least 3 cm from the sensor.
- Note that a temperature rise after defrosting has a permissible range in the appliance specifications. If you wish to minimise the impact this may have on the food storage due to a temperature rise, seal or wrap the stored food in several layers.
- The automatic defrosting system in the appliance ensures that the compartment remains free of ice buildup under normal operating conditions.

Storing Foods Effectively

- Store frozen food or refrigerated food inside sealed containers.
- Check the expiration date and label (storage instructions) before storing food in the appliance.
- Do not store food for a long period of time (more than four weeks) if it spoils easily at a low temperature.
- Place the refrigerated food or frozen food in each fridge or freezer compartment immediately after purchasing.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- Avoid refreezing any food which has been completely thawed. Freezing any food which has been completely thawed again will lower its taste and nutrition.
- Do not wrap and store vegetables with newspaper. Printing material of newspaper or other foreign substances may smear and contaminate food.
- Do not overfill the appliance.Cold air can not circulate properly if the appliance is overfilled.
- If you set an excessively low temperature for food, it may become frozen. Do not set a temperature lower than the required temperature for the food to be stored correctly.
- For more space, you can remove bottle rack, egg tray, ice tray and fresh converter drawer.

Max Freezing Capacity

- The Express Freeze function will set the freezer to its maximum freezing capacity. This generally takes up to 24 hours and automatically switches off.
- If the maximum freezing capacity is to be used, Express Freeze must be switched on for seven hours before fresh produce is placed in the freezer compartment.

Maximum Storage

- To get better air circulation, insert all drawers.
- If large quantities of food are to be stored, all the freezer drawers shall be taken out of the appliance and the food shall be stacked directly on the freezer shelves in the freezer compartment.

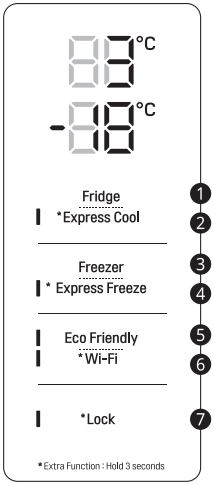
NOTE

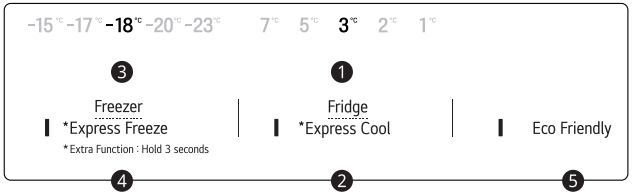
- To remove the drawers, first pick the food out of drawers. Then use the handle of drawers, pull out the drawers carefully. It may cause injury.
- The shape of each drawer may be different, insert in the right position.

Control Panel

Units and Functions

<Type 1> On the Fridge Door **<Type 2> Inside the Fridge**





1 Fridge Temperature
- This sets the fridge target temperature.

2 Express Cool
- This sets Express Cool functions.

3 Freezer Temperature
- This sets the freezer target temperature.

4 Express Freeze
- This sets Express Freeze functions.

5 Eco Friendly
- This controls the Power Save mode for lowering energy consumption.

6 Wi-Fi
- This sets the appliance to connect to your home's Wi-Fi network.

7 Lock
- This locks the buttons on the control panel.

NOTE
- The actual control panel may differ from model to model.
- The control panel will turn off automatically for energy saving.
- If there is any finger or skin contacts to the control panel while cleaning it, the button function may operate.

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.

LG ThinQ Application Features

Communicate with the appliance from a smart phone using the convenient smart features.

Smart Diagnosis

- If you experience a problem while using the appliance, this smart diagnosis feature will help you diagnose the problem.

Settings

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

NOTE

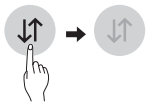
- If you change your wireless router, Internet service provider, or password, delete the registered appliance from the **LG ThinQ** application and register it again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

Before Using LG ThinQ Application

1 Check the distance between the appliance and the wireless router (Wi-Fi network).

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

2 Turn off the **Mobile data** or **Cellular Data** on your smartphone.



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.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- The appliance cannot be registered due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.

- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and register the product again.

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 appliance to connect to a home Wi-Fi network. The ᯤ 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. The ᯤ icon will be turned off.

Wireless LAN Module Specifications

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

Wireless function S/W version : V 1.0

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

Declaration of Conformity

CE

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

http://www.lg.com/global/support/cedoc/cedoc#

LG Electronics European Shared Service Centre B.V.

Krijgsman 1

1186 DM Amstelveen

The Netherlands

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid for 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

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

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

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.

Notes for Cleaning

- When removing a shelf or drawer from inside the appliance, remove all stored foods from the shelf or drawer to prevent injury or damage to the appliance.
  - Otherwise, injury may occur due to the weight of stored foods.
- If cleaning the outside air vents of the appliance by means of vacuuming, then the power cord should be unplugged from the outlet to avoid any static discharge that can damage the electronics or cause an electric shock.
- Detach the shelves and drawers and clean them with water, and then dry them sufficiently, before replacing them.
- Regularly wipe the door gaskets with a wet soft towel.
- Door basket spills and stains should be cleaned as they can compromise storage ability of the basket and could even be damaged.
- After cleaning, check if the power cable is damaged, warm or improperly plugged.
- Keep the air vents on the exterior of the appliance clean.
  - Blocked air vents can cause fire or appliance damage.
- 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.
- For the appliance exterior, use a clean sponge or soft cloth and a mild detergent in warm water. Do not use abrasive or harsh cleaners. Dry thoroughly with a soft cloth.
- Never clean the shelves or containers in the dishwasher.
  - The parts may become deformed due to the heat.
- Clean regularly surfaces that can come in contact with food and accessible drainage systems.
- If the appliance is equipped with an LED lamp, do not remove lamp cover and LED lamp in any attempt to repair or service it. Please, contact the LG Electronics customer information centre.