



ENGLISH

# OWNER'S MANUAL

# SXS

# REFRIGERATOR

Please read this owner's manual thoroughly before operating and keep it handy for reference at all times.

LSC22991ST



MFL67653427

[www.lg.com](http://www.lg.com)

## Table of contents

Introduction	Entry	3
	Basic safety precautions	3
	Identification of parts	13
Installation	Where to install	14
	Door removal	15
	Door replacement	16
	Water supply installation	16
	Height adjustment	17
Operation	Starting	18
	Adjusting the temperatures and functions	18
	Adjusting the temperatures and display	19
	Setting the functions	20
	Fresh air filter	21
	Operating the dispenser	27
	Refrigerator Door-in-Door	31
	Shelf	32
	Dairy corner	32
	Deodorizer	33
	Freezer/Fridge basket	33
	fresh zone	34
Suggestion on food storage	Location of foods	35
	Storing foods	36
Care and maintenance	General information	37
	Cleaning	37
	Smart Diagnosis	38
	Trouble shooting	39
	Disposal of the old appliance	42
	It is normal...	43



- This product is exclusive use at 115V/60Hz.
- You should purchase transformer of more than 2.0KVA when you want to use it at the 220V area.


## Entry


The model and serial numbers are found on the inner case or Right side of refrigerator compartment of this unit. These numbers are unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase. Staple your receipt here.


Date of purchase : \_\_\_\_\_  
 Dealer purchased from : \_\_\_\_\_  
 Dealer address : \_\_\_\_\_  
 Dealer phone no. : \_\_\_\_\_  
 Model no. : \_\_\_\_\_  
 Serial no. : \_\_\_\_\_


## Basic safety precautions

This guide contains many important safety messages. Always read and obey all safety messages.

 This is the safety alert symbol. It alerts you to important safety messages that inform you of hazards that can cause injury, lead to fatal accidents or cause damage to the product. All safety messages will be preceded by the safety alert symbol and the hazard signal word, "DANGER, WARNING, or CAUTION. These words mean:

 **DANGER** You may be fatally or seriously injured if you do not follow the specified instructions.

 **WARNING** You may be fatally or seriously injured if you do not follow the specified instructions.

 **CAUTION** Indicates an imminently hazardous situation which, if not avoided, may result in minor or moderate injury, or product damage only.

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

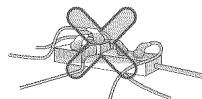
## **WARNING**

To reduce the risk of fire, electric shock, or injury to persons when using your product, basic safety precautions should be followed, including the following. Read all instructions before using this appliance.

### 1. When connecting the power

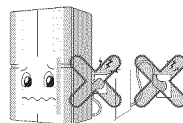
The dedicated outlet should be used.

- Using several devices at one outlet may cause fire.
- The electric leakage breaker may damage food and the dispenser may be leaked.



Do not allow the power plug to face upward or to be squeezed at the back of the refrigerator.

Water may be flown into or the plug may be damaged, which causes fire or electric shock.



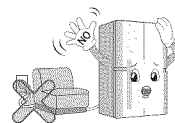
Prevent the power cord from being squeezed or imprinted if the refrigerator is pushed in after the power plug is extracted during the installation.

When moving your appliance away from the wall, be careful not to roll over the power cord or to damage it in any way.

It becomes the cause of fire or electric shock.

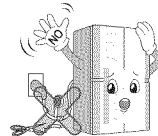
Do not allow the power cord bent or pressed by the heavy object to be damaged.

It may damage the power cord to cause fire or electric shock.



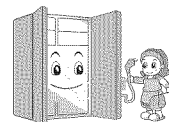
Do not extend or modify the length of the power plug.

It causes electric shock or fire by the electric damage of the power cord or others.

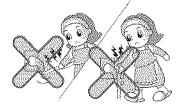


Unplug the power plug when cleaning, handling or replacing the interior lamp of the refrigerator.

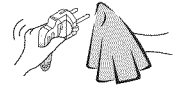
- It may cause electric shock or injury.
- When replacing the interior lamp of the refrigerator, make sure that the rubber ring for preventing the electric spark within the socket is not taken off.



**Do not pull out the cord or touch the power plug with wet hands.**  
It may cause electric shock or injury.



**Remove water or dust from the power plug and insert it with the ends of the pins securely connected.**  
Dust, water or unstable connection may fire or electric shock.

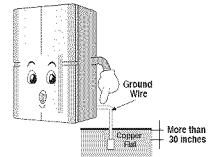


**Unplug the power cord from the power outlet for cleaning or other requirements.**  
It may cause electric shock or injury.

**Pull out the power plug not by grasping the cord but the plug of its end.**  
It may cause electric shock or short circuit to fire.



**Make sure of grounding.**  
Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if you have doubts on whether the appliance is properly grounded.  
The incorrect grounding may cause breakdown and electric shock.

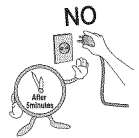


**Be sure to use grounded exclusive proper voltage consent for the power plug.**  
**Be sure to use grounded extension consents when extension consents are used.**  
It becomes the cause of fire.

**When the power cord or the power plug is damaged or the holes of the outlet are loosed, do not use them and have it replaced immediately by the manufacturer or its service agent.**  
It may cause electric shock or short circuit to make fire.



**Wait for 5 minutes or longer when reconnecting the plug.**  
It may cause the operation of the freezer to fail.



**If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.**

## 2. When using the refrigerator

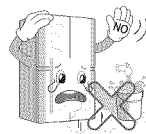
**Do not place heavy objects or containers filled with liquid on top of the refrigerator.**

It may drop, causing injury, fire or electric shock when operating the refrigerator.



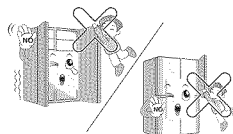
**Do not install your refrigerator in a wet place or in a place vulnerable to water or rain.**

Deterioration of insulation of electric parts may cause electric leakage.



**Do not hang onto any part of the refrigerator, especially the doors and door bins.**

It may make the refrigerator fall down or damage the hands. Especially, do not allow the children to do the above.

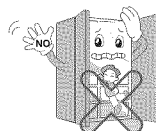


**When water entered to electric parts inside the product, pull out the power plug, and contact the service center.**

It may cause electric shock or fire.

**Prevent children from entering the product.**

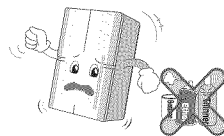
It may endanger the life of a child if the child enters the refrigerator.



**Opening and closing the door of the refrigerator vigorously may cause the stored food in the refrigerator basket to fall by shock and hurt the foot, so take precautions.**

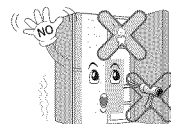
**Do not use or store inflammable materials ether, benzene, alcohol, medicine, liquefied petroleum gas, spray or cosmetics near or in the refrigerator.**

It may cause explosion or fire.



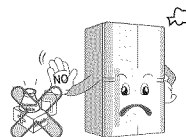
**Do not use any sort of dryer or any other source of heat to dry the inside of the refrigerator.**

It may cause explosion or fire.

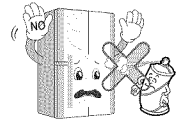


**Do not store the medicine or academic materials at the refrigerator.**

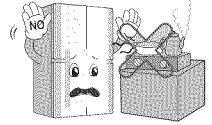
When the material with the strict temperature control is stored, it may be deteriorated or it may make an unexpected reaction to cause any risk.



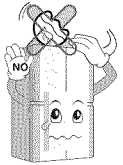
**Do not use the combustible spray near the refrigerator.**  
It may cause fire.



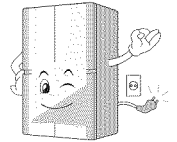
**Install in places away from the fire such as the place where flammable gas is leaked.**  
It may cause fire.



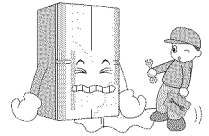
**Do not place flower vase, cup, cosmetics, medicine or any container with water on the refrigerator.**  
It may cause fire, electric shock or injury by dropping down.



**In case of thunder and lightning, or not in use for a long period of time, detach the power plug.**  
There is a danger of electric shock or fire.



**Use the submerged refrigerator after checking it.**  
It may cause electric shock or fire.

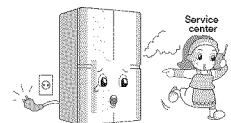


**Do not move refrigerator while the refrigerator is operating.**  
Compressor may occur a temporary rattling noise.  
(This is normal and will not impact on the performance or the life of the compressor.  
The rattling will stop after the refrigerator comes to a rest.)

**Do not spray water at the outside or the inside of the refrigerator or do not clean it with benzene or thinner.**  
Deterioration of insulation of electric parts may cause electric shock or fire.

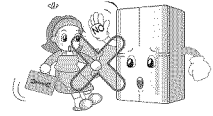


**When any strange smell or smoke is detected from the refrigerator, disconnect the power plug immediately and contact to the service center.**  
It may cause fire.



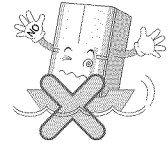
Do not allow anyone except for a qualified person to disassemble, repair or alter the refrigerator.

It may cause injury, electric shock or fire.



Do not use the refrigerator for non-domestic purpose (storing medicine or testing material, using at the ship, etc.).

It may cause an unexpected risk such as fire, electric shock, deterioration of stored material or chemical reaction.

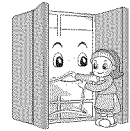


Be careful of the door falling down during disassembly and assembly of the door.

Do not insert refrigerator shelf upside down.

The shelf may fall down and cause injury.

When disposing the refrigerator, remove the packing materials from the door or take off the doors but leave the shelves in place so that children may not easily climb inside.

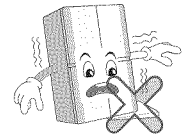


This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

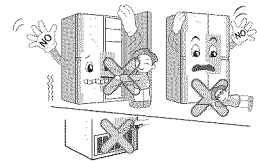
Install the refrigerator on the solid and level floor.

Installing it on the unstable place may cause death by falling down the refrigerator when opening or closing the door.



Do not insert the hands or the metal stick into the exit of cool air, the cover, the bottom of the refrigerator, the heatproof grill (exhaust hole) at the backside.

It may cause electric shock or injury.



The appliance must be positioned so that the plug accessible after installation.

Do not touch food or containers in the freezer with wet hands.

**Electric Shock Hazard.** Disconnect electrical supply to refrigerator before installing. Failure to do so could result in death or serious injury.

If your access door is too narrow for the refrigerator to pass through, remove the refrigerator door and pass the refrigerator laterally.

Do not insert your hands into the ice maker during operation. This may cause injury.

Always disassemble the fresh compartment using two hands.

You can be injured from the weight of the compartment when filled with food.

When disassembling/reassembling the fresh compartment of the fridge, open the refrigerator door fully.

You can disassemble/reassemble the freezer drawer in the same method.

Always disassemble the fresh compartment using two hands. (You can be injured from the weight of the compartment when filled with food.)

When disassembling/reassembling the fresh compartment or V Fresh compartment of the fridge, open the refrigerator door fully.

Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

Do not damage the refrigerant circuit.

Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. When disposal, please consult with service agent or a similarly qualified person.

## ⚠ CAUTION

**Violating this direction may cause injury or damage house or furniture.  
Always be careful, please.**

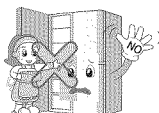
**Do not insert the hands into the ice bucket or the ice dispenser.  
(only for the model with the dispenser).**

Operating the ice maker may cause injury.



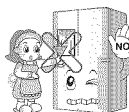
**Do not touch food or containers at the freezer with wet hands.**

It may cause frostbite.



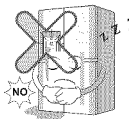
**Do not put ice in thin crystal cup or ceramic ware.**

It may break cup or ceramic ware to cause injury.



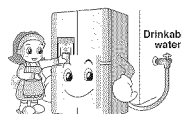
**When the electricity is off, remove ice from the ice bucket  
(only for the model with the dispenser).**

The long-time power failure may thaw ice to damage the floor.  
When the long-time power failure is expected, remove ice from  
the ice bucket.



**Supply the automatic ice maker with drinkable water only  
(only for the model with the dispenser).**

Otherwise, it may cause any risk.



**Do not remove the cover of the automatic ice maker.  
(Only for the models with automatic ice maker)**

The operation mechanic parts of the ice maker may hurt people.

**Do not place the food in disorder inside the refrigerator.**

The food may fall during opening and closing the door of the refrigerator and hurt  
people.

**Do not put any type of bottle in the freezer section.**

It may freeze the contents to break the bottle to cause injury.

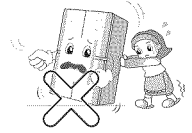


**Do not insert hands into the bottom of the refrigerator.**

The iron plate of the bottom may cause injury.

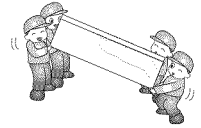


Do not tilt the product while moving the product.



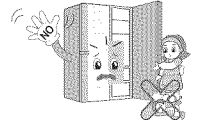
Carry the refrigerator with the handle bar at the bottom of the front and the top of the rear.

Your hands may slip causing injury. Because the product is heavy, carrying it alone may hurt people or accidents may occur.

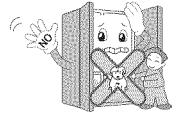


Please use caution when opening or closing the doors and door-in-door as it may cause injury to people around the refrigerator.

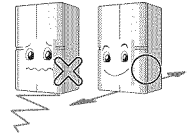
Opening or closing the doors may cause feet, hands or small children to be hit by the doors, causing injury.



Do not put any living animal in the refrigerator.



If refrigerator is moved in zigzag direction, it may damage the floor. Please move it only in a straight line direction.



When the user switches to AUTO or POWER mode, the LED near the filter will be turned on. Open the refrigerator door to check whether the LED near the filter is turned on. Do not insert the finger or any other alien object inside the fan. It can cause an injury or malfunction.

Do not wash the Fresh Air Filter as it can deteriorate the performance.

If the user continues to use the Fresh Air Filter past the time to replace, the antibacterial and deodorizing performance can be deteriorated.

This filter may not be effective for all bacteria or virus types.

This is effective for the bacteria growing on inside the refrigerator and not on the food.

Throw away the ice (about 20 pieces) 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 necessary in case that the refrigerator has not been used for a long time.

**Be careful that food is not block the ice passage.**

If foods are placed at the entrance of ice passage, ice may not be dispensed. The ice passage may also be covered with ice powder if splinter ice is used only. This time, remove the ice powder accumulated.

**Never store beverage cans or other foods in ice storage bin for the purpose of rapid cooling.**

Such actions may damage the automatic ice maker.

**Never use thin crystal glass or other thin containers to collect ice.**

Such glasses or containers may be broken.

**Put ice first into a glass before filling water or other beverages.**

Water may be splashed if ice is added to existing liquid in a glass.

**Never touch a hand or other tools on ice outlet.**

Touch may cause a part breakage or hand injury.

**Never remove the ice maker cover.****Sometimes level the surface so that the ice storage bin is fully filled with ice.**

Ice is piled up just near the ice maker. So, such status may be considered, by the ice maker, that the ice storage bin is fully filled and ice making operation may stop.

If discolored ice is dispensed, immediately contact service center, stopping use.

**Never use too narrow or deep glass.**

Ice may be jammed in ice passage and, thus, the refrigerator may be failed.

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

A glass too close to the outlet may hinder ice from coming out.

That's why you may have chilblains and they may be broken when their inner matters are frozen, causing personal injury.

You must check the O-RING, which is made by rubber and prevent electric spark.

Don't touch lamp, in case of light on the long time. Because it can be very hot.

**To get best performance from the product.**

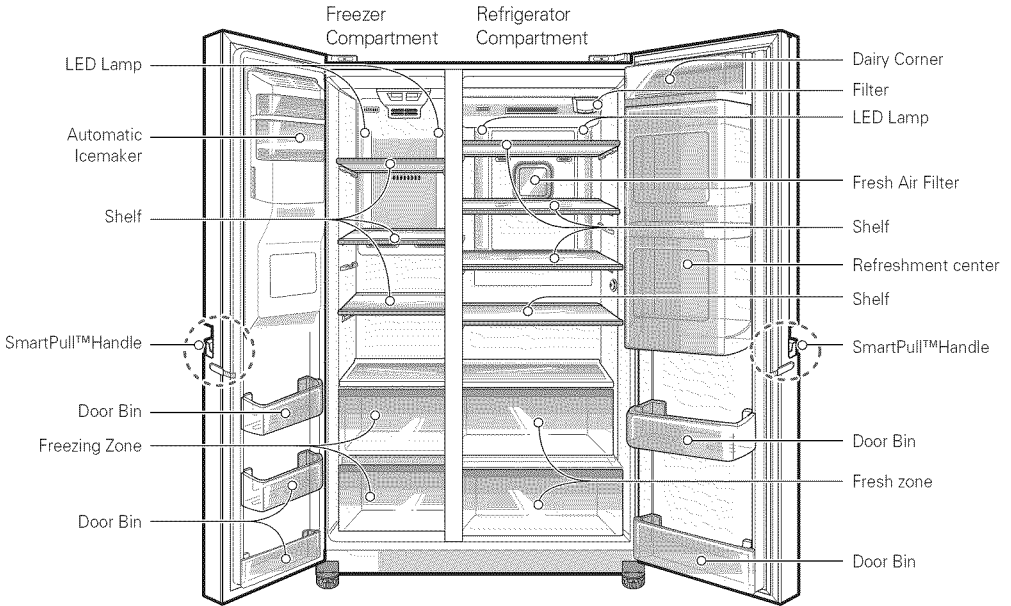
Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.

Do not place carbonated or fizzy drinks in the freezer compartment.

When installing, servicing or cleaning behind the refrigerator, be sure to pull the unit straight out and push back straight in after finishing.

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

## Identification of parts

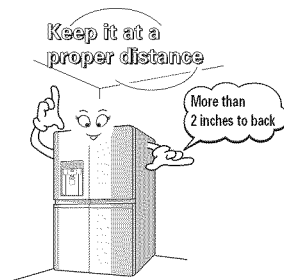


### NOTE

- Parts, features, and options vary by model. Your model may not include every option.

**Select a good location****Where to Install**

1. Place your appliance where it is easy to use.
2. Avoid placing the unit near heat sources, direct sunlight or moisture.
3. To ensure proper air circulation around the fridge-freezer, please maintain sufficient space on both the sides as well as top and maintain at least 2 inches (5 cm) from the rear wall.
4. To avoid vibrations, the appliance must be leveled.
5. Do not install the refrigerator below 41°F as it may affect the performance.

**Appliance usage range**

This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

**WARNING**

**Remove the freezer compartment door**

## Door removal

### Electric Shock Hazard

Disconnect electrical supply to refrigerator before installing. Failure to do so could result in death or serious injury.

**If your access door is too narrow for the refrigerator to pass through, remove the refrigerator door and pass the refrigerator laterally.**

- 1) Removing the hinge cover by loosening the screws. Separate all connection wires.
- 2) Remove the keeper by rotating it counter clockwise (①) and then lifting the upper hinge up (②).

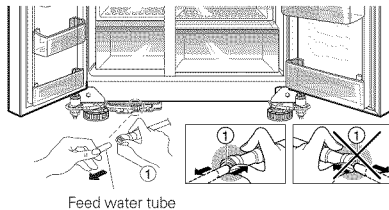
### NOTE

- When removing the upper hinge, be careful that the door does not fall forwards.

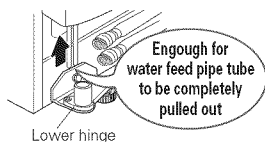
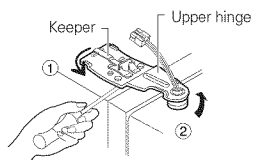
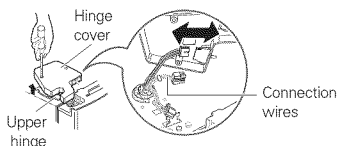
- 3) Remove the freezer compartment door by lifting it upward. This time, the door should be lifted enough for the feed water pipe tube to be completely pulled out.

### NOTE

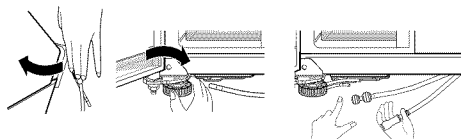
- Move the refrigerator compartment door passing through the access door and lay it down, but be careful not to damage the feed water pipe tube.



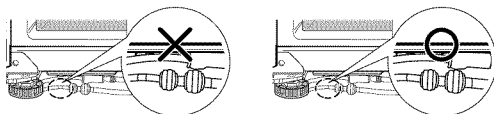
Feed water tube



Open the door and turn the hose to inner side



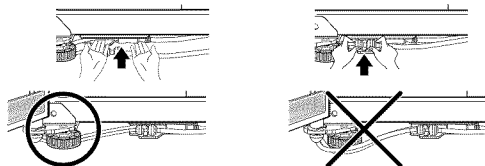
Guide line is completely inserted when only one guide line is showing out of two.



Must be cut vertically when cutting the tube. (Leak otherwise.)

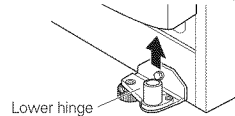
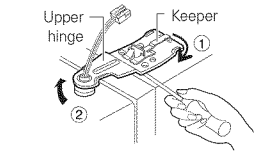
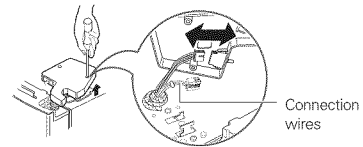


Water hoses are should be behind the leg to prevent the damage.



**Remove the refrigerator door**

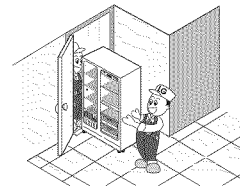
- 1) Loosen the hinge cover screws and remove the cover. Remove connection wire.
- 2) Remove keeper by rotating it clockwise (Ⓐ) and then remove the upper hinge by lifting it up (Ⓑ).
- 3) Remove the refrigerator compartment door by lifting it up.

**NOTE**

- Do not remove the grease on the surface of gasket or hinge.

**Move the refrigerator**

Move the refrigerator laterally through the access door as shown in the right figure.

**Door replacement**

Mount them in the reverse sequence of removal after they pass through the access door.

**Water supply installation****Before installation**

- Automatic icemaker operation needs water pressure of 21~121 psi (1.5~8.5 kgf/cm<sup>2</sup>) (That is, a paper cup (6 oz. or 180 cc) will be fully filled within 3 seconds.)
- If water pressure does not reach the rating 21 psi (1.5 kgf/cm<sup>2</sup>) or below, it is necessary to purchase a separate pressure pump for normal automatic icemaking and cool water feed.
- Keep the total length of the feed water pipe tube within 26 ft (8 m). Be careful for the tube to avoid being kinked. If the tube is 26 ft (8 m) or longer it may cause trouble in water feed.
- Install the water supply line where it will not be affected by heat.

**WARNING**

- Connect to potable water supply only.
- Refer to instructions with water filter kit for installation.

**IMPORTANT** : Use only new hose-sets supplied with the appliance and do not reuse old hose-sets.

## Height adjustment

**When the floor is not leveled**

- When the height of the door may not be leveled when the floor is not leveled.

▶ **When the freezer door is lower – ①**

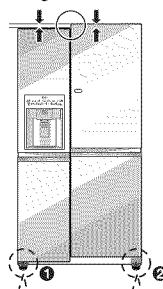
Use the spanner to turn the nut of the height adjustment screw on the left to the counterclockwise direction to level the door.

Adjust the height of the door, insert the E ring. A maximum of three rings (Only Freezer). 2 E rings are enveloped with owners manual.

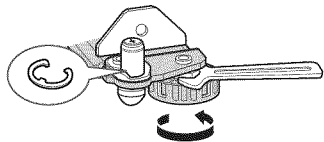
▶ **When the fridge door is lower – ②**

Use the spanner to turn the nut of the height adjustment screw on the right to the clockwise direction to level the door.

Height difference



When using the spanner

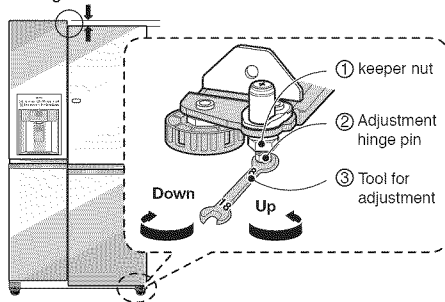


**When the fridge door is lower than the freezer door**

▶ **When the fridge door is lower than the freezer door while using the refrigerator, level the doors.**

1. Use the ③ tool for adjustment on the wide side to turn nut ① (↻) in the clockwise direction to loosen the keeper nut.
2. Use the ③ tool for adjustment on the narrow side to turn the adjustment hinge pin ② in (↻) clockwise direction or (↻) counterclockwise direction to adjust the height of the fridge and freezer doors.
3. After aligning the height of the door, turn the keeper nut in counterclockwise direction tightly.

Height difference



**CAUTION**

Do not force too hard to level the height. The hinge pin can be pulled out. (Adjustable range of height is a maximum of 2" (5 cm))

**After leveling the door height**

The refrigerator doors will close smoothly by heightening the front side by adjusting the height adjusting screw. If the doors do not close correctly, performance may be affected.

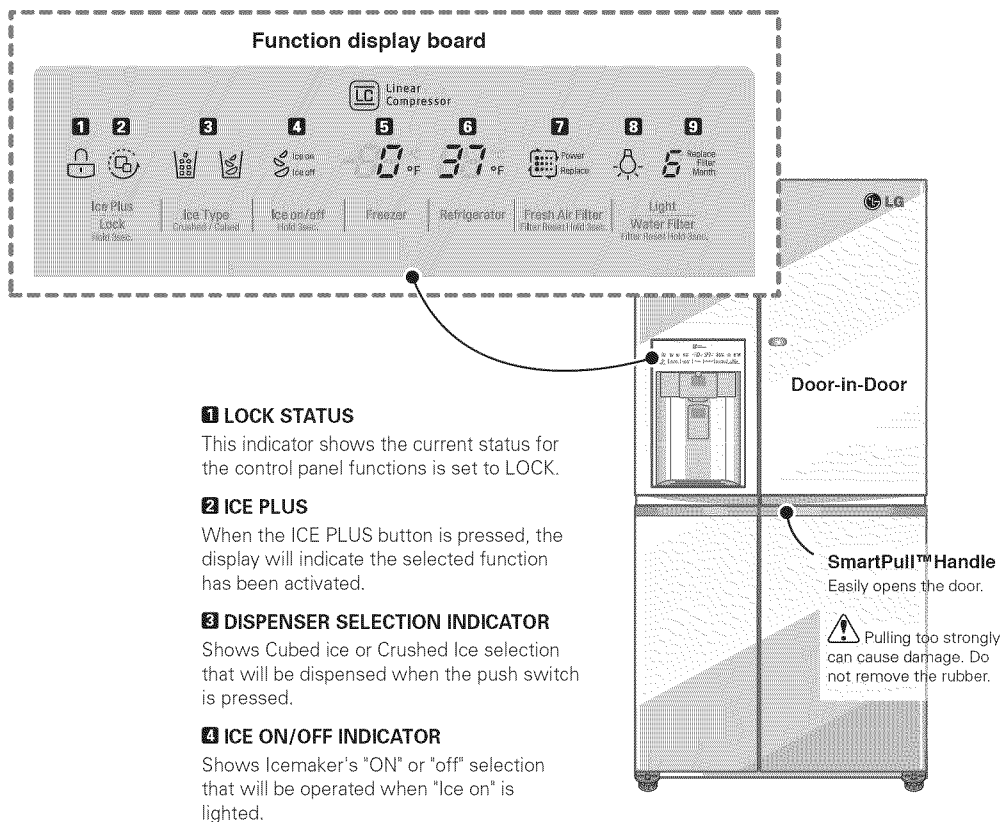
**Next**

1. Wipe off all dust accumulated during shipping and clean your appliance thoroughly.
2. Install accessories such as the ice cube box, cover evaporating tray, etc., in their proper places. They are packed together to prevent possible damage during shipping.
3. Connect the power supply cord (or plug) to the outlet. Don't double up with other appliances on the same outlet.

## Starting

When your 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



### 1 LOCK STATUS

This indicator shows the current status for the control panel functions is set to LOCK.

### 2 ICE PLUS

When the ICE PLUS button is pressed, the display will indicate the selected function has been activated.

### 3 DISPENSER SELECTION INDICATOR

Shows Cubed ice or Crushed Ice selection that will be dispensed when the push switch is pressed.

### 4 ICE ON/OFF INDICATOR

Shows Icemaker's "ON" or "off" selection that will be operated when "Ice on" is lighted.

### 5 FREEZER TEMPERATURE

Indicates the set temperature of the freezer compartment in Celsius or Fahrenheit.

### 6 REFRIGERATOR TEMPERATURE

Indicates the set temperature of the refrigerator compartment in Celsius or Fahrenheit.

### 7 FRESH AIR FILTER INDICATOR

This indicator shows the current status for the FRESH AIR FILTER. See "How to remove the old filter."

### 8 DISPENSER LIGHT INDICATOR

When the LIGHT button is pressed, the display will indicate the selected function: The dispenser light is on, this indicator will appear on the display panel.

### 9 WATER FILTER STATUS

This indicator shows the current status for the water filter. See Resetting the Filter Indicator.

### Door-in-Door

### SmartPull™ Handle

Easily opens the door.

Pulling too strongly can cause damage. Do not remove the rubber.

## Adjusting the temperatures and display

### Adjust Freezer Temperature

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



### Adjust Refrigerator Temperature

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



### How to change the temperature mode

To change the temperature mode from °F to °C (or vice versa) press and hold the Refrigerator and Freezer temperature buttons simultaneously for approximately five seconds. The temperature indication on the display window switches between Celsius and Fahrenheit.

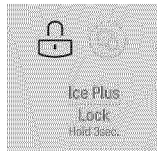
#### NOTE

- 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 degrees F and the FREEZER CONTROL at 0 degrees F. Leave them at these setting for 24 hours (one day) to stabilize. Then adjust the compartment temperature as illustrated above.
- Temperature range of the Refrigerator Control : 33°F ~ 46°F
- Temperature range of the Freezer Control : -6°F ~ 8°F

## Setting the functions

Press the button for the desired function to view and select other settings.

### Setting The Dispenser Lock



Press and hold the ALARM/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.

### Activating ICE PLUS



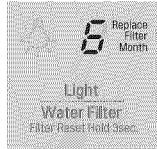
This function increases both ice making and freezing capabilities.

- When you touch the ICE PLUS button, the graphic will illuminate in the display and will continue for 24 hours. The function will automatically shut off after 24 hours.

#### NOTE

- Press the button again to cancel the ICE PLUS function.

### Resetting The Filter Indicator



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

#### NOTE

- It is recommended that you replace the filter when the water filter indicator light reaches 0 or whenever the water or ice cube taste deteriorates noticeably.

## Fresh air filter

### Fresh Air Filter

Fresh Air Filter provides the antibacterial function of removing virus or bacteria as well as the deodorizer function of removing the odor within the refrigerator. The performance test of the Fresh Air Filter has been done and proved through a public certification organization ( **Intertek** ).

- The filter can be used for 6 months. (This may vary based on the environment of the filter the consumer uses in.)

### CAUTION

- When the user switches to AUTO or POWER mode, the LED near the filter will be turned on. Open the refrigerator door to check whether the LED near the filter is turned on. Do not insert fingers or any other alien object inside the fan. It can cause an injury or malfunction.

### CAUTION

- Do not wash the Fresh Air Filter as it can deteriorate the performance.
- If the user continues to use the Fresh Air Filter past the time to replace, the antibacterial and deodorizing performance can be deteriorated.
- This filter may not be effective for all bacteria or virus types.
- This is effective for the bacteria growing on inside the refrigerator and not on the food.

### How to remove the old filter

#### **When the Replace lamp is on, replace the filter.**

- When the "Replace" lamp is turned on, replace the filter to maintain the performance of the Fresh Air Filter function.
- To replace the filter, press the **Fresh Air Filter** Filter Reset Hold 3sec. button on the display panel on the front side of the door and switch to OFF mode.

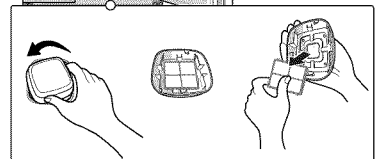
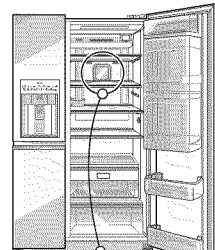


**Notification to replace the filter during use**

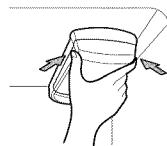


**When switching to OFF mode**

- Hold the filter cover and rotate counterclockwise to separate the filter cover. Disassemble the Fresh Air Filter inserted inside the filter cover.

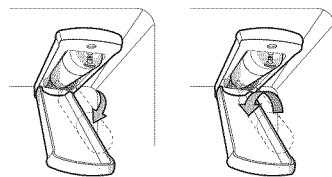


1. Remove the old water filter.
  - Lower or remove the top left shelf to allow the water filter to rotate all the way down.
  - Press the push button to open the water filter cover.

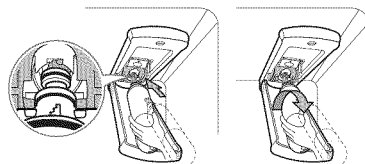
**NOTE**

- 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.

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

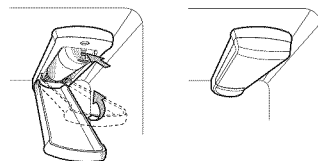


2. Replace with a new water filter.
  - Take the new water filter out of its packing and remove the protective cover from the o-rings. With water filter tabs in the horizontal position.



- Push the new water filter into the manifold hold and turn to clockwise.

- Rotate the water filter up into position and close the cover. The cover will click 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.

**CAUTION**

Do not operate refrigerator without water filter or water filter 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: ADQ73613401(LT800P)

## Performance Data Sheet

Model: LG ADQ73613401-S Replacement cartridge : ADQ73613401

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



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

Contaminant Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction requirements
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%
Nominal Particulate Class I, ≥ 0.5 to < 1.0 µm	5,600,000 pts/mL	At least 10,000 particles/mL	99.3%	73,000 pts/ml	N/A	≥ 85%
Asbestos	170 MFL	10 <sup>7</sup> to 10 <sup>8</sup> MFL; fibers greater than 10 µm in length	>99%	< 1MLF	N/A	≥ 99%
Atrazine	0.0087 mg/L	0.009 mg/L →10%	94.2%	0.0005 mg/L	0.003 mg/L	N/A
Benzene	0.017 mg/L	0.015 mg/L →10%	97.0%	< 0.0005 mg/L	0.005 mg/L	N/A
Carbofuran	0.073 mg/L	0.08 mg/L →10%	98.8%	0.001 mg/L	0.04 mg/L	N/A
Lindane	0.002 mg/L	0.002 mg/L →10%	98.8%	0.00002 mg/L	0.0002 mg/L	N/A
P-Dichlorobenzene	0.263 mg/L	0.225 mg/L →10%	99.6%	0.001 mg/L	0.075 mg/L	N/A
Toxaphene	0.015 mg/L	0.015 mg/L →10%	93.5%	0.001 mg/L	0.003 mg/L	N/A
2,4-D	0.25 mg/L	0.210 mg/L →10%	99.5%	0.0012 mg/L	0.07 mg/L	N/A
Lead pH @6.5	0.150 mg/L	0.15 mg/L →10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A
Lead pH @8.5	0.150 mg/L	0.15 mg/L →10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A
Mercury @ pH 6.5	0.006 mg/L	0.006 mg/L →10%	96.5	0.0002 mg/L	0.002 mg/L	N/A
Mercury @ pH 8.5	0.0062 mg/L	0.006 mg/L →10%	86.9	0.0081 mg/L	0.002 mg/L	N/A
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	>99.99%	<1 cyst/L	N/A	≥ 99.95%

\* Based on the use of Cryptosporidium parvum oocysts.

Service Flow	0.5 gpm (1.9 lpm)
Water Supply	Community or private well - Potable Water
Water Pressure	20 -120 psi (138 - 827 kPa)
Water Temperature	33 - 100°F (0.6 - 37.8°C)
Capacity	200 gallons (757 liters)

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

#### NOTE

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

Replacement Cartridge: ADQ73613401

For estimated costs of replacement elements please call 1-877-714-7486 or visit our website at [www.lge.com](http://www.lge.com)

### WARNING

To reduce the risk associated with choking:

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

To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. EPA Establishment # 070595-MEX-001

### CAUTION

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

- Read and follow. Use Instructions before installation and use of this system.
- Installation and use MUST comply with all state and local plumbing codes.
- Do not install if water pressure exceeds 120 psi (827 kPa). If your water pressure exceeds 80 psi, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you uncertain how to check for this condition.
- Do not install on hot water supply lines.  
The maximum operating water temperature of this filter system is 100°F (37.8°C).
- Protect filter from freezing. Drain filter when temperatures drop below 40°F (4.4°C).
- The disposable filter cartridge MUST be replaced every 6 months, at the rated capacity or if a noticeable reduction in flow rate occurs.
- Protect from freezing, remove filter cartridge when temperatures are expected to drop below 33° F.
- Do not install systems in areas where ambient temperatures may go above 110° F (43.3° C).
- Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion must be installed.
- Ensure all tubing and fittings are secure and free of leaks.

Manufactured for LG Electronics by MCM Co.,Ltd. 45-10. Nowon-Ri, Yiwol-Myun, Jinchun-Kun, Chung-Buk, Korea

# NSF International

RECOGNIZES

MCM Co., Ltd.

Republic of Korea

AS COMPLYING WITH NSF/ANSI 42, 53 AND ALL APPLICABLE REQUIREMENTS.  
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE  
AUTHORIZED TO BEAR THE NSF MARK.



ANSI Accredited Program  
Product Certification  
and  
Certification Program  
Accredited by the  
American National  
Standards Institute



Certification Program  
Accredited by the  
Standards Council  
of Canada

This certificate is the property of NSF International and must be returned upon request. For the most current and complete information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

A handwritten signature in black ink, appearing to read "David Purkiss".

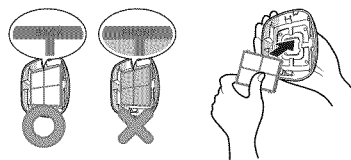
October 4, 2013  
Certificate# C0174200 - 02

David Purkiss  
General Manager, Water Systems

**How to install the new filter**

**Install the new filter:**

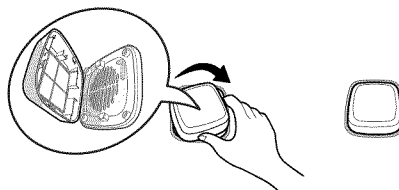
- Insert the new Fresh Air Filter in the filter cover so that the white part of the filter and the BACK label is visible.



**CAUTION**

Be careful not to switch the direction of the Fresh Air Filter inserted on the filter cover.

- Align the filter cover where it was originally located and then turn clockwise about 30 degrees to install the filter cover.



**Setting the time to replace (Reset)**

Close the refrigerator door and press the **Fresh Air Filter** Filter Reset Hold 3sec. button on the display panel for more than 3 seconds to check that the Replace lamp is turned off.



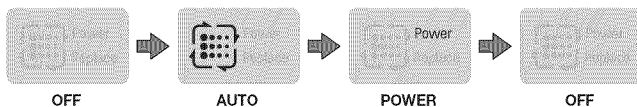
**Notification to replace the filter**

**Reset time to replace**

**Switch to use mode**

To use the Fresh Air Filter, press the **Fresh Air Filter** Filter Reset Hold 3sec. button on the display panel to switch to AUTO or POWER mode. (Every time the user presses the button, the function of Fresh Air Filter will switch in the order of OFF → AUTO → POWER → OFF.)

**Fresh Air Filter**  
Filter Reset Hold 3sec.



## Operating the dispenser

### Setting The Ice ON/OFF Indicator.



Press and hold ICE ON/OFF button for the more than 3 seconds to reset the ON/OFF indicator.

#### NOTE

- If you don't want to use the automatic icemaker, turn the icemaker switch to OFF. If you want to use automatic icemaker again, change the switch to ON.

### Dispensing Crushed Ice



Press the ICE TYPE button to illuminate the Crushed Ice icon. Press the push ice switch with a glass or other container and crushed ice will be dispensed.

### Dispensing Cubed Ice



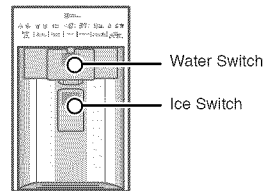
Press the ICE TYPE button to illuminate the Cubed Ice icon. Press the push switch with a glass or other container and cubed ice will be dispensed.

#### 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.

### Controlling The Dispenser Light

Press the LIGHT/FILTER button to turn the dispenser light on and off.



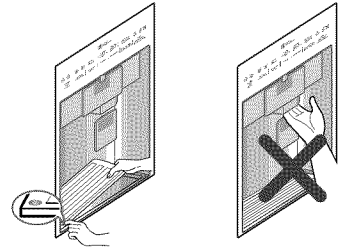
### CAUTION

- When filling the container with a small opening, use it near the opening of the water or ice dispenser as close as possible.
- Do not dispense ice into crystal glasses or glass with low quality as crystal and glass with low quality might break.

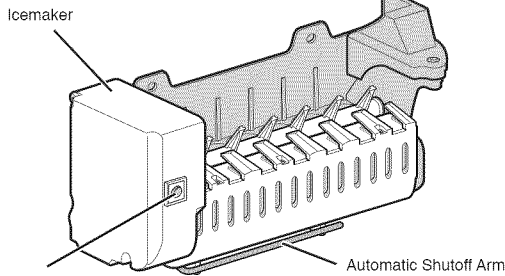
	Incorrect Way	Correct Way
Water		
Ice		

**After dispenser  
is used**

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.



ENGLISH

**Automatic  
icemaker**

\* This Button only  
Must control by Service man.

- The automatic icemaker can automatically make 7 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.

**NOTE**

- It is normal that a noise is produced when ice drops into the ice storage bin.

**⚠ WARNING**

- Do not insert your hands in to the Icemaker in operation.  
It may cause to injure you.

## When ice maker does not operate smoothly

### 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 then place them into the ice storage bin again.
- When the ice maker produces too small or lumped together ice, the amount of water supplied to the ice maker need to 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 then dry it and place it back. After the machine is powered again, crushed ice will be automatically selected.

### The unit is newly installed

- It takes about 12 hours for a newly installed refrigerator to make ice in the freezer compartment.

## The other functions

### Door open warning

- 3 times of warning sounds at the interval of 30 seconds if a minute passes with the door of refrigerator and the hombar door opened or completely closed.
- Please contact with the local service center if warning continue to sound even after closing the door.

### Diagnosis (failure detection) function

- Diagnosis function automatically detects failure when failure is found in product during the use of refrigerator.
- If failure occurs at product, it does not operate though pressing any button and normal indication is not done. In this case, do not turn power off but immediately contact with the local service center. A lot of time are need for service engineer to detect the failed part if turning it off.

## How ice/cold water is supplied

Water is cooled while stored in the water tank, and then sent to the dispenser. Ice is made in the automatic ice maker and sent to the dispenser divided into crushed or cubed form ice.

### NOTE

- It is normal that the water is not very cold at first. If you want colder water, add ice into the glass.

## CAUTION

### **Throw away the ice (about 20 pieces) 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 necessary in case that the refrigerator has not been used for a long time.

### **Keep children away from the dispenser.**

Children may push switch incorrectly and damage lamps.

### **Be careful that food is not block the ice passage.**

If foods are placed at the entrance of ice passage, ice may not be dispensed. The ice passage may also be covered with ice powder if splinter ice is used only. This time, remove the ice powder accumulated.

### **Never store beverage cans or other foods in ice storage bin for the purpose of rapid cooling.**

Such actions may damage the automatic ice maker.

### **Never use thin crystal glass or thin containers to collect ice.**

Such glasses or containers may be broken.

### **Put ice first into a glass before filling water or other beverages.**

Water may be splashed if ice is added to existing liquid in a glass.

### **Never touch a hand or other tools on ice outlet.**

Touch may cause a part breakage or hand injury.

### **Never remove the ice maker cover.**

### **Sometimes level the surface so that the ice storage bin is fully filled with ice.**

Ice is piled up just near the ice maker. So, such status may be considered, by the ice maker, that the ice storage bin is fully filled and ice making operation may stop.

### **If discolored ice is dispensed, immediately contact a service center and stop use.**

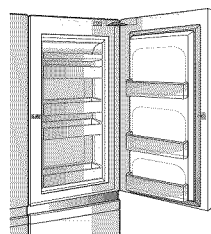
### **Never use too narrow or deep glass.**

Ice may be jammed in ice passage and, thus, the refrigerator may be failed.

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

A glass too close to the outlet may hinder ice from coming out.

## Refrigerator Door-in-Door



### Using the Family Door-in-Door

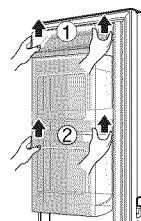
Press the mid left part of the Door-in-Door until you hear a click sound.

- You can store more food in the larger Home Bar.
- With the larger storage room, you can organize your foods better.

### How to take out magic space cover

First take out dairy product corner, and then pull up the home bar cover to separate and take it out.

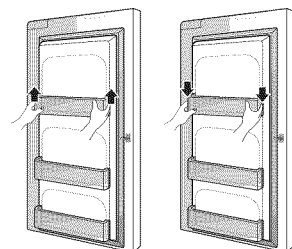
- \* Before the disassembly, please take out the food to empty the refrigerator.



### How to disassemble Family Door-in-Door Basket

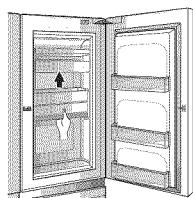
Hold both ends of the basket and lift up the front part of the basket.

- Assemble in the same method as disassembly.

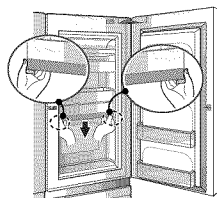


### How to use moving basket

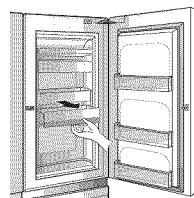
It can be moved up and down as necessary, and it can be used conveniently.



<When moving it up>



<When moving it down>



- Moving basket moves with upper and lower section together.
- To move the basket up, hold the center lightly and move it up.
- To move the basket down, hold the bottom of the basket with palm, Press the levers on both sides at the bottom of the lower section upward, and then move it down.
- The bottom section of moving basket can be conveniently opened directly by opening home bar.

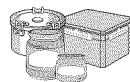
### CAUTION

After placing the basket at desired location, if basket is not leveled, it will sound "click", then move the basket upward lightly until it is fixed.

## Shelf

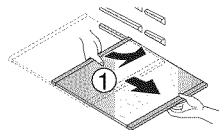
### How to use

You can store side dish or refrigerated food on the shelf with sufficient space in between the containers.

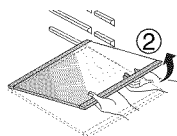


### How to disassemble

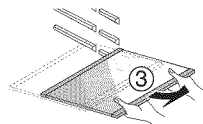
1. Hold the front part of the shelf and pull it out until it gets blocked by the hooking part.



2. When you cannot pull out the shelf any more, lift it up slightly.



3. While holding the shelf slightly, tilt the shelf to pull it out.



## Dairy corner

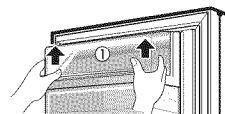
### How to use

You can store dairy goods such as butter, cheese etc.

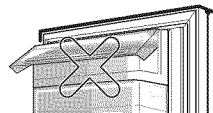


### How to disassemble

Hold the basket with both hands and pull it out by pulling it up (1).



► If you close the refrigerator door with the dairy corner left open on the door side, the refrigerator door may not be closed properly. Therefore you must be careful.



## Deodorizer

### How to use

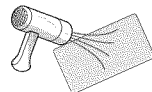
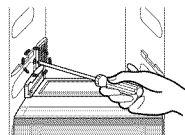
With the deodorizer system, you can deodorize the refrigerator and the deodorizer can be reused.

### How to disassemble

Unscrew the deodorizer cover using (+) driver, and then separate it while pulling the deodorizer cover.

#### ► How to reuse the deodorizer

You can reuse the deodorizer continuously by drying it well with the hair dryer.



## Freezer/Fridge basket

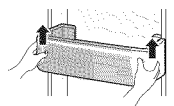
### How to use

You can store small packaged frozen food (Freezer basket), small packaged refrigerated food or beverages (Fridge basket) such as milk, beer etc.

But, do not store ice cream or food to store for a long period of time (Freezer basket) etc.

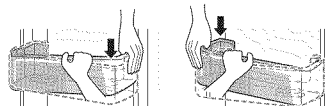
### How to disassemble

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



### How to reassemble

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



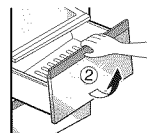
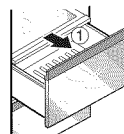
## Fresh zone

### How to use

You can store fruits or vegetables.

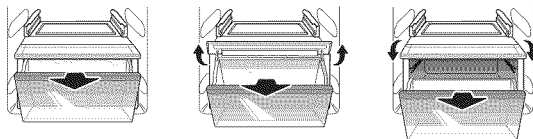
### How to disassemble the upper fresh zone

1. Hold the front handle of the fresh zone and pull it out until it gets blocked by the hooking part.
  2. When you cannot pull out the fresh zone any more, lift it up slightly to pull it out completely to the front side (outer side).
- \* The fresh zone can be reassembled in the reverse order.



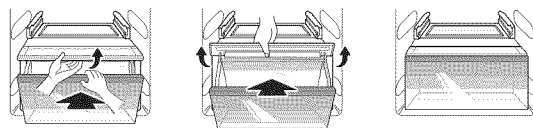
### How to disassemble the lower fresh zone

#### ► When pulling out the lower fresh zone



1. Hold the front handle of the fresh zone and pull it forward.
2. When you cannot pull out the fresh zone any more, lift it up slightly to pull it out to the front side.

#### ► When inserting the lower fresh zone



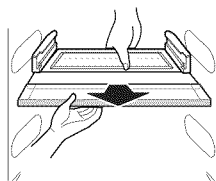
\* When inserting the fresh zone, always lift the cover up to push it in.

## ! WARNING

- Always disassemble the fresh zone using two hands. You can be injured from the weight of the compartment when filled with food.
- When disassembling/reassembling the fresh zone of the fridge, open the refrigerator door fully.

### How to disassemble upper/lower fresh zone cover

- Hold the cover with both hands and pull it out.
- \* When disassembling the cover, always disassemble the fresh zone first.



## Location of foods

(Refer to identification of parts)

### Freezer compartment shelf

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



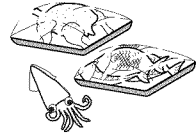
### Freezer compartment door rack

- Store small packed frozen food.
- Temperature is likely to increase as door opens. So, do not store long-term food such as ice cream, etc..



### Freezer compartment drawer

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



### Dairy corner

Store milk products such as butter, cheese, etc..



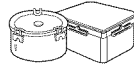
### Refreshment center

Store foods of frequent use such as beverage, etc..



### Refrigerator compartment shelf

Store side dishes or other foods at a proper distance.



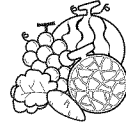
### Refrigerator compartment door rack

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



### Vegetable drawer

Store vegetables or fruits.



## Storing foods

- 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 which goes bad easily at low temperatures, such as bananas, and melons.
- Allow hot food to cool prior to storing, placing hot food in the refrigerator could spoil other food, and lead to higher energy consumption.
- When storing the food, cover it with vinyl wrap or store in a container with a lid. This prevents moisture from evaporating, and helps food to keep its taste and nutrients.
- 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 cause temperatures to rise.
- Never keep too much food in door rack because they may push against by inner racks so that the door cannot be fully closed.

### Freezer compartment

- Do not store bottles in the freezer compartment - they may break when frozen.
- Do not refreeze food that has been thawed. This causes loss of taste and nutrient.
- When storing frozen food like ice cream for a long period, place it on the freezer shelf, not in the door rack.
- Do not touch the cold foods or containers- especially made of metallic -, with wet hands and place glass products in the freezer compartment.

### CAUTION

• That's why you may have chilblains and they may be broken when their inner matters are frozen, causing personal injury.

### Refrigerator compartment

- Do not put wet food on the top shelf of the cooling room. It may be frozen by getting the cool air directly.
- Always clean food prior to refrigeration. Vegetables and fruits should be washed and wiped, and 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, which keeps them fresh longer.

### 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 dew to form which has no effect on its performance. Remove the dew with dust cloth free from care.

## General information

- Vacation time** During average length vacations, you will probably find it best to leave the refrigerator in operation. Place freezable items in freezer for longer life.  
When you plan not to operate, remove all food, disconnect the power cord, clean the interior thoroughly, and leave each door OPEN to prevent odor formation.
- Power failure** Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures.  
However, you should minimize the number of door openings while the power is off.
- If you move** Remove or securely fasten down all loose items inside the refrigerator.  
To avoid damaging the height adjusting screws, turn them all the way into the base.
- Anti condensation pipe** The outside wall of the refrigerator cabinet may sometimes get warm, especially just after installation.  
Don't be alarmed. This is due to the anti-condensation pipe, which pumps hot refrigerator to prevent "sweating" on the outer cabinet wall.

### CAUTION

- You must check the O-RING, which is made by rubber and prevent electric spark.
- Don't touch lamp, in case of light on the long time. Because it can be very hot.

## Cleaning

It is important that your refrigerator be kept clean to prevent undesirable odors. Spilled food should be wiped up immediately, since it may acidify and stain plastic surfaces if allowed to settle.

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

- Interior** Regular cleaning is recommended. Wash all compartments a baking soda solution or a mild detergent and warm water. Rinse and dry.

- After cleaning** Please verify that the power cord is not damaged, power plug is not overheated, or power plug is well inserted into the power consent.

### WARNING

Always remove power cord from the wall outlet prior to cleaning in the vicinity of electrical parts (lamps, switches, controls, etc.).

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, flammable or toxic cleaning liquids on any surface.

Do not touch frozen surfaces with wet or damp hands, because damp object will stick or adhere to extremely cold surfaces.

## Smart Diagnosis

Should you experience any problems with your refrigerator, it has the capability of transmitting data via your telephone to the LG service center. This gives you the capability of speaking directly to our trained specialists. The specialist records the data transmitted from your machine and uses it to analyze the issue, providing a fast and effective diagnosis.

If you experience problems with your refrigerator, call to the LG service center. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent. The transmission sounds that you will hear are normal and sound similar to a fax machine.

Smart Diagnosis cannot be activated unless your refrigerator is connected to power. If your refrigerator is unable to turn on, then troubleshooting must be done without using Smart Diagnosis.

### Using Smart Diagnosis

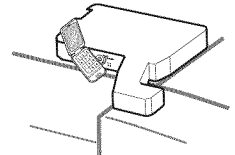
First, call to the LG service center. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent.

1. Lock the display. To lock the display, press and 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 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 Temperature button for three seconds while continuing to hold your phone to the speaker.



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

6. Keep the phone in place until the tone transmission has finished. This takes about 3 seconds, and the display will count down the time. Once the countdown is over and the tones have stopped, resume your conversation with the specialist, who will then be able to assist you in using the information transmitted for analysis.

#### NOTE

- For best results, do not move the phone while the tones are being transmitted.
- If the call center agent is not able to get an accurate recording of the data, you may be asked to try again.
- Call quality differences by region may affect the function.
- Use the home telephone for better communication performance, resulting in better service.
- Bad call quality may result in poor data transmission from your phone to the machine, which could cause Smart Diagnosis to not work properly.

## Trouble shooting

Before calling for service, review this list. It may save you both time and expense. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Occurrence	Possible cause	Solution
<b>Runing of refrigerator</b>		
<b>Refrigerator compressor does not run</b>	Refrigerator control is off.	Set refrigerator control. See setting the controls.
	Refrigerator is in defrost cycle.	This is normal for a fully automatic defrosting refrigerator. The defrost cycle occurs periodically.
	Plug at wall outlet is disconnected.	Make sure plug is tightly pushed into outlet.
	Power outage. Check house lights.	Call local electric company.
<b>Refrigerator runs too much or too long</b>	Refrigerator is larger than the previous one you owned.	This is normal. Larger, more efficient units run longer in these conditions.
	Room or outside weather is hot.	It is normal for the refrigerator to work longer under these conditions.
	Refrigerator has recently been disconnected for a period of time.	It takes some hours for the refrigerator to cool down completely.
	Large amounts of warm or hot food may have been stored recently.	Warm food will cause the refrigerator to run longer until the desired temperature is reached.
	Doors are opened too frequently or too long.	Warm air entering the refrigerator causes it to run longer. Open the door less often.
	Refrigerator or freezer door may be slightly open.	Make sure the refrigerator is level. Keep food and containers from blocking door. See problem section. OPENING/CLOSING of doors.
	Refrigerator control is set too cold.	Set the refrigerator control to a warmer setting until the refrigerator temperature is satisfactory.
	Refrigerator or freezer gasket is dirty, worn, cracked, or poorly fitted.	Clean or change gasket. Leaks in the door seal will cause refrigerator to run longer in order to maintain desired temperatures.
	Thermostat is keeping the refrigerator at a constant temperature.	This is normal. Refrigerator goes on and off to keep the temperature constant.

Occurrence	Possible cause	Solution
<b>Refrigerator compressor does not run.</b>	Thermostat is keeping the refrigerator at a constant temperature.	This is normal. The refrigerator goes on and off to keep the temperature constant.
<b>Temperatures are too cold</b>		
<b>Temperature in the freezer is too cold but the refrigerator temperature is satisfactory.</b>	Freezer control is set too cold	Set the freezer control to a warmer setting until the freezer temperature is satisfactory.
<b>Temperature in the refrigerator is too cold and the freezer temperature is satisfactory.</b>	Refrigerator control is set too cold.	Set the refrigerator control to a warmer setting
<b>Food stored in drawers freezes.</b>	Refrigerator control is set too cold.	See above solution.
<b>Meat stored in fresh meat drawer freezes.</b>	Meat should be stored at a temperature just below the freezing point of water (32°F, 0°C) for maximum fresh storage time.	It is normal for ice crystals to form due to the moisture content of meat.
<b>Temperatures are too warm</b>		
<b>Temperatures in the refrigerator or freezer are too warm.</b>	Freezer control is set too warm.	Set the freezer or refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.
	Refrigerator control is set too warm. Refrigerator control has some effect on freezer temperature.	Set the freezer or refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.
	Doors are opened too frequently or too long.	Warm air enters the refrigerator/ freezer whenever the door is opened. Open the door less often.
	Door is slightly open.	Close the door completely.
	Large amounts of warm or hot food may have been stored recently.	Wait until the refrigerator or freezer has a chance to reach its selected temperature.
	Refrigerator has recently been disconnected for a period of time.	A refrigerator requires some hours to cool down completely.
<b>Temperature in the refrigerator is too warm but the freezer temperature is satisfactory.</b>	Refrigerator control is set too warm.	Set the refrigerator control to a colder setting.

Occurrence	Possible cause	Solution
<b>Sound and noise</b>		
<b>Louder sound levels when refrigerator is on.</b>	Today's refrigerators have increased storage capacity and maintain more even temperatures.	It is normal for sound levels to be higher.
<b>Louder sound levels when compressor comes on.</b>	Refrigerator operates at higher pressures during the start of the ON cycle.	This is normal. The sound will level off as the refrigerator continues to run.
<b>Vibrating or rattling noise.</b>	Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly.	Be sure floor is level and solid and can adequately support refrigerator.
	Items placed on the top of the refrigerator are vibrating.	Remove items.
	Dishes are vibrating on the shelves in the refrigerator.	It is normal for dishes to vibrate slightly. Move dishes slightly. Make sure refrigerator is level and firmly set on floor.
	Refrigerator is touching wall or cabinets.	Move refrigerator so that it does not touch the wall or refrigerator.
<b>Water/Moisture/ Ice inside refrigerator</b>		
<b>Moisture collects on the inside walls of the refrigerator.</b>	The weather is hot and humid which increases the rate of frost buildup and internal sweating.	This is normal.
	Door is slightly open.	See problem section opening/closing of doors.
	Door is opened too often or too long.	Open the door less often.
<b>Moisture forms on the outside of the refrigerator or between doors.</b>	Weather is humid.	This is normal in humid weather. When humidity is lower, the moisture should disappear.
	Door is slightly open, causing cold air from the inside the refrigerator to meet warm air from the outside.	This time, close the door completely.

Occurrence	Possible cause	Solution
<b>Odors in refrigerator</b>	Interior needs to be cleaned.	Clean interior with sponge, warm water and baking soda.
	Food with strong odor is in the refrigerator.	Cover food completely.
	Some containers and wrapping materials produce odors.	Use a different container or brand of wrapping materials.
<b>Opening/ Closing of doors/Drawers</b>		
<b>Door(s) will not close.</b>	Food package is keeping door open.	Move packages that keep door from closing.
<b>Door(s) will not close.</b>	Door was closed too hard, causing other door to open slightly.	Close both doors gently.
	Refrigerator is not level. It rocks on the floor when it is moved slightly.	Adjust the height adjusting screw.
	Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly.	Be sure floor is level and can adequately support refrigerator. Contact carpenter to correct sagging or sloping floor.
	Refrigerator is touching wall or cabinets.	Move refrigerator..
<b>Drawers are difficult to move.</b>	Food is touching shelf on top of the drawer	Keep less food in drawer.
	Track that drawer slides on is dirty.	Clean drawer and track.

## Disposal of the old appliance

This appliance contains fluid (refrigerant, lubricant) and is made of parts and materials which are reusable and/or recyclable.

All the important materials should be sent to the collection center of waste material and can be reused after rework (recycling). For take back, please contact with the local agency.

## It is Normal...

The following occurrences are normal.

	Occurrence	Solution
<b>Noise</b>	When you hear Ticking Sound or Strange mechanical noises	This is the sound of various parts expanding/contracting or various control devices operating depending on the temperature change within the refrigerator.
	When you hear strange mechanical noises sound	This is the count of compressor or fan operating when the operation of the refrigerator is starting or ending. This is the same phenomenon of the sound generated when starting or turning off the engine of a car.
	When you hear Sound of water flowing	This is the sound of refrigerant changing the condition in the freezer/fridge. When the liquid changes to gas, you will hear the sound of water flowing and when gas changes to liquid, you will hear the Sound of water flowing sound.
	When you hear the sound of wind such as breeze-like sound right after you close the door	This is the sound generated when the internal pressure is temporarily lowered when the warm air entered through the fridge or freezer is cooled fast.
	When you hear the vibrating sound	If the refrigerator is installed on wooden floor or wooden wall, or if the refrigerator is not leveled properly, the sound can be loud from the vibration.
	When you hear a loud sound after installing the product for the first time	When you operate the refrigerator for the first time, the refrigerator will operate at high speed to cool fast and the sound can seem louder. When the internal temperature falls below a certain level, the noise will subside.
<b>Door open</b>	When the door is slightly opened after closing the door.	Depending on the force or speed of closing the fridge or freezer door, the door can open slightly and then get closed. Be careful not to close the door too hard.
	When closing refrigerator door, freezer door open and close.	It is linked between the refrigerator and freezer in order to make cold air circulation. So, When close the refrigerator door, air in the refrigerator goes into freezer. It makes freezer door open. Please relax as it is not a breakdown.
<b>Icing/ Dew drops</b>	When there is icing or dew drops formed on the inner or outer side of the refrigerator	When external air flows into the cool inner surface of the refrigerator, icing/dew drops can be formed. Especially, 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, dew drops 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.
<b>Temperature</b>	When the front side of the refrigerator is warm	Heat pipes are installed around the front part of the refrigerator and on the divider of the freezer and fridge to prevent the dew drops from forming. The refrigerator may feel warmer after the installation or during the hot summer, but this is not a problem and you can be rest assured.

**LG ELECTRONICS U.S.A., INC.**  
**LG REFRIGERATOR LIMITED WARRANTY - U.S.A.**

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

WARRANTY PERIOD			
Refrigerator	Sealed System (Condenser, Dryer, Connecting Tube, Refrigerant and Evaporator)		Linear Compressor
One (1) year from the date of original retail purchase	One (1) year from the date of original retail purchase	Seven (7) years from the date of original retail purchase	Ten (10) years from the date of original retail purchase
Parts and Labor (internal/functional parts only)	Parts and Labor	Parts only (Consumer will be charged for labor)	Part only (Consumer will be charged for labor)

Noises associated with normal operation and failure to follow instructions found in the use and care and installation guides or operating the unit in an unsuitable environment will not be covered under this warranty.

- ▶ Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- ▶ Replacement products and parts may be new or remanufactured.

**THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.** Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

**THIS LIMITED WARRANTY DOES NOT COVER:**

1. Service trips to deliver, pick up, install, or repair the product; instruct the customer on operation of the product; repair or replace fuses or correct wiring or plumbing, or correction of unauthorized repairs/installation.
2. Failure of product to perform during power failures and interruptions or inadequate electrical service.
3. Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
4. Damage resulting from operating the product in a corrosive atmosphere or contrary to the instructions outlined in the product owner's manual.
5. Damage to the product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
6. Damage resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes use of parts not approved or specified by LG.
7. Damage or failure caused by unauthorized modification or alteration, or if it is used for other than the intended purpose, or any water leakage where the unit was not properly installed.
8. Damage or failure caused by incorrect electrical current, voltage, or plumbing codes, commercial or industrial use, or use of accessories, components, or consumable cleaning products that are not approved by LG.
9. Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery (Call: 1-800-243-0000).
10. Damage or missing items to any display, open box, discounted, or refurbished product.
11. Products with original serial numbers that have been removed, altered, or can not be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
12. Increases in utility costs and additional utility expenses.
13. Replacement of light bulbs, filters, or any consumable parts.
14. Repairs when your product is used in other than normal and usual household use (e.g. commercial use, offices, and recreational facilities) or contrary to the instructions outlined in the product owner's manual.
15. Costs associated with removal of your product from your home for repairs.
16. The removal and reinstallation of the product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including LG's owner's and installation manuals.
17. Shelves, door bins, drawers, handles, accessories, and other parts besides those that were originally included with this particular model.

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

**For complete warranty details and customer assistance, please call or visit our website:**  
 Call 1-800-243-0000 (24 hours a day, 365 days a year) and select the appropriate option from the menu, or visit our website at [www.lg.com](http://www.lg.com)  
 Or by mail: LG Customer Information Center:  
 P. O. Box 240007, 201 James Record Road Huntsville, Alabama 35813  
 ATTN: CIC

**Write your warranty information below:**

---

**Product Registration Information:**

---

**Model:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Date of Purchase:** \_\_\_\_\_



**LG ELECTRONICS CANADA, INC.**  
**LG REFRIGERATOR LIMITED WARRANTY - Canada**

**WARRANTY:** Should your LG Refrigerator ("Product") fail due to a defect in material or workmanship under normal home use during the warranty period set forth below, LG Canada will at its option repair or replace the Product upon receipt of proof of original retail purchase. This warranty is valid only to the original retail purchaser of the product and applies only to a Product distributed in Canada by LG Canada or an authorized Canadian distributor thereof. The warranty only applies to Products located and used within Canada.

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

Noises associated with normal operation and failure to follow instructions found in the use and care and installation guides or operating the unit in an unsuitable environment will not be covered under this warranty.

- ▶ Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- ▶ Replacement products and parts may be new or remanufactured.
- ▶ LG Authorized Service Center warranties their repair work for thirty (30) days.

**LG CANADA'S SOLE LIABILITY IS LIMITED TO THE WARRANTY SET OUT ABOVE. EXCEPT AS EXPRESSLY PROVIDED ABOVE, LG CANADA MAKES NO AND HEREBY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS RESPECTING THE PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO REPRESENTATIONS SHALL BE BINDING ON LG CANADA. LG CANADA DOES NOT AUTHORIZE ANY PERSON TO CREATE OR ASSUME FOR IT ANY OTHER WARRANTY OBLIGATION OR LIABILITY IN CONNECTION WITH THE PRODUCT. TO THE EXTENT THAT ANY WARRANTY OR CONDITION IS IMPLIED BY LAW, IT IS LIMITED TO THE EXPRESS WARRANTY PERIOD ABOVE. LG CANADA, THE MANUFACTURER OR DISTRIBUTOR SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, DIRECT OR INDIRECT DAMAGES, LOSS OF GOODWILL, LOST PROFITS, PUNITIVE OR EXEMPLARY DAMAGES OR ANY OTHER DAMAGE, WHETHER ARISING DIRECTLY OR INDIRECTLY FROM ANY CONTRACTUAL BREACH, FUNDAMENTAL OR OTHERWISE, OR FROM ANY ACTS OR OMISSIONS, TORT, OR OTHERWISE.** This warranty gives you specific legal rights. You may have other rights which may vary from province to province depending on applicable provincial laws. Any term of this warranty that negates or varies any implied condition or warranty under provincial law is severable where it conflicts with provincial law without affecting the remainder of this warranty's terms.

**THIS LIMITED WARRANTY DOES NOT COVER:**

1. Service trips to deliver, pick up, or install the product; instructing a customer on operation of the product; repair or replacement of fuses or correction of wiring or plumbing, or correction of unauthorized repairs/installation.
2. Failure of the product to perform during power failures and interruptions or inadequate electrical service.
3. Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
4. Damage resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product owner's manual.
5. Damage to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
6. Damage resulting from the misuse, abuse, improper installation, repair, or maintenance of the Product. Improper repair includes use of parts not approved or specified by LG Canada.
7. Damage or product failure caused by unauthorized modification or alteration, or use for other than its intended purpose, or resulting from any water leakage due to improper installation.
8. Damage or Product failure caused by incorrect electrical current, voltage, or plumbing codes, commercial or industrial use, or use of accessories, components, or cleaning products that are not approved by LG Canada.
9. Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery.
10. Damage or missing items to any display, open box, discounted, or refurbished Product.
11. Products with original serial numbers that have been removed, altered, or cannot be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
12. Increases in utility costs and additional utility expenses.
13. Replacement of light bulbs, filters, or any consumable parts.
14. Repairs when your Product is used in other than normal and usual household use (including, without limitation, commercial use, in offices or recreational facilities) or contrary to the instructions outlined in the Product owner's manual.
15. Costs associated with removal of the Product from your home for repairs.
16. The removal and reinstallation of the Product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including the Product owner's and installation manuals.
17. Shelves, door bins, drawers, handles, and accessories to the Product. Also excluded are parts besides those that were originally included with the Product.

**All costs associated with the above excluded circumstances shall be borne by the consumer.**

<p>For complete warranty details and customer assistance, please call or visit our website: Call 1-888-542-2623 (24 hours a day, 365 days a year) and select the appropriate option from the menu, or visit our website at <a href="http://www.lg.com">www.lg.com</a></p>	<p>Write your warranty information below: _____</p> <p><b>Product Registration Information:</b> _____</p> <p><b>Model:</b> _____ <b>Serial Number:</b> _____</p> <p><b>Date of Purchase:</b> _____</p>
---	--

