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OWNER'S MANUAL

SXS REFRIGERATOR

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

P/No.: MFL68029555

www.lg.com

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Entry

The model and serial numbers are found on the inner case on the back or one side of the refrigerator compartment of this unit. These numbers are unique to this unit and are 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. : _____

Important safety instructions

⚠ WARNING

Before it is used, this refrigerator must be properly installed and located in accordance with the installation instructions in this document. This Refrigerator is intended for Domestic indoor use only.

Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull it straight out from the outlet.

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

After your refrigerator is in operation, do not touch the cold surfaces in the freezer compartment, particularly when your hands are damp or wet. Skin could adhere to these extremely cold surfaces.

Unplug the power cord from the power outlet for cleaning or other maintenance. Never touch the appliance with wet hands as you may receive an electric shock or injure yourself.

Never damage, press, severely bend, pull or twist the power cord as damage to the cord may cause a fire or electric shock. Naver touch the cord if you are uncertaim if the appliance is correctly earthed.

The fuse on the refrigerator must be changed by a qualified technician or service company.
- Failing to do so may result in electric shock or personal injury.

Never place glass items in the freezer as they may break due to expansion of their contents on freezing.

Never put your hands into the storage bin of the automatic ice maker as you could be injured during its operation.

The appliance is not intended for use by young children or infirm persons without supervision.

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

Never allow anyone to climb, sit, stand or hang on the refreshment centre door. These actions may damage the refrigerator and even tip it over, causing severe personal injury.

It is advised that this appliance should be connected through an independent power socket to prevent it and other appliances from overloading the circuit and causing a power outage.

Accessibility of Supply Plug

The appliance should be positioned so that the supply plug is easily accessible for quick disconnection should an accident occur.

Supply Cord Replacement

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.

WARNING

Do not modify or extend the Power Cord length. It may cause electric shock or fire.

Connect the power plug in proper position with the cord hanging down.
- If you connect the power plug upside down, wire can get cut off and cause fire or electric shock.

Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
Don’t use an extension cord.

WARNING

If LED lamp is damaged,it should be replaced by the service center in stead of on your own.

Child entrapment

DANGER: Risk of child entrapment.

WARNING

Before you dispose of your old refrigerator please remove doors but leave the shelves in place so that children cannot 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.

Don’t store

WARNING

Do not store or use gasoline or other flammable vapour and liquids in the vicinity of this or any other appliance.

Grounding (Earthing)

WARNING

In the event of an electric short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current.

In order to prevent possible electric shock this appliance must be earthed. Improper connection of the earthing plug can cause electric shock. Consult a qualified electrician or service engineer if the earthing instructions are not completely understood, or if you have doubts as to whether the appliance is properly earthed.

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.)

⚠ WARNING

- Keep ventilation openings in the room where the appliance is installed 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.
- Disposal procedures. If disposing of this appliance, please consult with a service agent or a similarly qualified person for more details.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not use aerosols near the refrigerator.
  - Aerosols used near the refrigerator may cause an explosion or fire.

This appliance may contain (Check the rating/comliance label for the refriger-ant type and amount. Applicable to some models only) a small amount of isobutane refrigerant (R600a), natural gas with high environmental compatibility, but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged. Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used. The room must be 1m^2 in size for every 8g of R600a refrigerant inside the appliance. The amount of refriger-ant in your particular appliance is shown on the Identification plate inside the appliance. Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

Identification of parts

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

Where to Install

Select a good location

1. Place your appliance where it is easy to use.
2. Avoid placing the unit near heat sources, di-rect sunlight or moisture. Do not operate the appliance outdoors where it can be exposed directly, or indirectly to sun, wind and rain.
3. To ensure proper air circulation around the fridge-fteezer, 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 levelled.
5. Do not install the appliance in temperatures of less than 5°C as the performance may be affected.

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.

Before Installation

⚠ WARNING

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

Never use gas pipes, telephone lines or other potential lightening rods as ground.
- Improper use of the ground plug can result in electric shock.

If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.

If any dust or water is in refrigerator, pull out power plug and contact your LG Electronics service center.
- There is a risk of fire.

The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connect to a potable water supply only.

Use only the ice maker provided with the refrigerator.

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

After unpacking, keep the packing materials out of reach of children.
- There is a risk of death from suffocation if children put them over their head.

Disposal of the old appliance

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

When disposing the fridge-freezer,remove the packing materials from the door.
It may cause to lock out the child.

All the packaging materials should be sent to the collection centre for recycling. For details of your local recycling centre, please contact your local council.

Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.

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 front door is too narrow to get the refrigerator into the house, remove the refrigerator doors and pass the appliance through laterally.

Remove lower cover and then feed water tube

Remove the lower cover by loosening all the screws. Then push in the feed water tube while depressing the connector , as shown in the illustration on the right.

NOTE

- If a tube end is deformed or abraded, trim the end with sharp knife until perfectly round.

Remove the freezer compartment door

1) Remove the hinge cover by loosening the screws. Then separate all connection wires except for the earth.

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. The door should be lifted high enough for the feed water pipe tube to be completely pulled out.

NOTE

- If you have removed the refrigerator compartment door to pass the appliance through an access door, lay the door down, but be careful not to damage the feed water pipe tube.

Remove the refrigerator compartment door

1) Loosen the hinge cover screws and remove the cover. Remove connection wires, if any, except for the earth line.

2) Remove keeper by rotating it clockwise (①) and then remove the upper hinge by lifting it up (②).

3) Remove the refrigerator compartment door by lifting it up.

Pass the refrigerator

Pass the refrigerator laterally through the access door as illustrated to the right.

Door replacement

Once the fridge is through the access door, remount the fridge doors by following the door removal instructions in reverse.

Feed water pipe installation

Before Installation

- Automatic ice maker operation needs water pressure of 147~834 kPa (1.5~8.5 kgf/cm^2) (The pressure is correct when an instant paper cup (180 cc) is in 3 sec.).
- If water pressure does not reach the rating 147 kPa (1.5 kgf/cm^2) or below, it is necessary to purchase a separate pressure pump for normal automatic icing and cool water feed.
- Keep the total length of the feed water pipe tube within 8 m and be careful that the tube does not bend. If the tube is 8 m or longer it may cause water feed problems owing to the drain water pressure.
- Install the feed water pipe tube at a place free from heat.
- Connect to drinking water supply only.

⚠ WARNING

- Connect to potable water supply only. (for Plumbing Type)
- Fill with potable water only. (for Non-Plumbing Type)

- Refer to instructions with water filter kit for installation.
- Be careful that the water tube match same colour.
- Before being used, the leakage in these places should be examined.
- LG Warranty does not cover WATER LINE INSTALLATION.
- The cost of connection to a water supply is at the customer expense, unless included in the delivery charge (refer to the delivery agreement with the seller)
- Please contact Plumber or authrorised Installer for the installation if needed.
- If Water leakage occurs due to improper installation, Please contact installer.

Door Height adjustment

- Method 1 is recommended.
- Use ❶ spanner for freezer.

▶ Method 1 (recommended)

Open the door and adjust the level by using a nut of height adjusting screw on the lower side of a door with a spanner.

▶ Method 2 (only for Plumbing type)

1. Using large side of spanner, rotate release-preventive nuts ( ) clockwise to release rotate release-preventive nuts' tightness.
2. Rotate the Adjust-hinge pin either ( ) clockwise or ( ) counter-clockwise using a narrow side of a spanner to adjust the level difference between the refrigerator door and freezer door.
3. After adjusting door height, please firmly tighten the Release-prevention nuts ( ) counter-clockwise to the end.

⚠ CAUTION

- Do not adjust the height level too much. The hinge pin can be fallen out. (Range of height adjustment : Max. 3mm)

After levelling the door height

The refrigerator doors will close smoothly by adjusting the front side using the height adjustment 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.

NOTE

- Allow the appliance to stand for 2 hours after installation.

Adjusting the temperatures and functions

NOTE

- Your model may not include every option.
- The control display is touch operated. Excessive moisture on the display panel may result in its malfunction. Please keep the display panel dry and clean.

You can adjust temperature of the fridge and freezer compartments

How to adjust the temperature in the refrigerator compartment

Freezer Compartment temperature adjustment

Refrigerator Compartment temperature adjustment

- The actual inner temperature varies depending on the food status.
  The indicated temperature is a target temperature, not the actual temperature within the refrigerator.
- Until your refrigerator has settled from transit, it will not perform at its optimum.
  It takes 2 or 3 days for the fridge to stabilise. During this period, please adjust the temperature as above.

Dispenser use (on some model)

• Choose from crushed ice, water, and cubed ice and depress the dispenser switch with a glass or other container.

Cubed Ice	Water	Crushed Ice
Select cubed ice by pressing the selection button, which will be highlighted.	Select water by pressing the selection button, which will be highlighted.	Select crushed ice by pressing the selection button, which will be highlighted.

• **NB** : Please wait for 2~3 seconds before removing the cup from beneath the dispenser to ensure it has finished dispensing the ice or water.

Door mounted automatic icemaker (on some model)

• The icemaker automatically makes 6 cubes of ice at any one time, which equals approximately 50-60 cubes per day. These quantities, however, may vary according to climatic conditions. E.g. the duration and amount of times the refrigerator door is opened.

• Icemaking stops when the ice storage bin is full.

• 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.

NOTE

• The sound produced when the ice drops into the ice storage bin is normal, and is not caused by a defect.

• Do not press the test button continuously when the tray is filled with ice or water
– Water may overflow or ice jamming may occur.

• When the bucket is not installed, the ice maker does not work.

⚠ WARNING

• Do not put your hands into the Ice maker during operation. You may injure yourself.

• Do not store ice (cubes) for longer than two weeks., they can cause the dispenser to malfunction as the ice cubes clump together.

Precautions when using the dispenser (on some model)

To get cold water

The dispensed water will not be icy cold, but just cool or cold. If you want colder water, dispense ice before dispensing water.

If you have difficulty in replacing the ice storage bin

Rotate the rotary gear in 1/4 cycle as shown in the illustration and then push it back.

NOTE

- Figure depends on model.

When the ice dispenser will not operate properly

It is normal that the ice maker will not operate correctly when there is only a small amount of ice left in the storage bin. Allow approximately one day for the ice maker to restock.

If the ice forms into a solid lump and interrupts the operation of the automatic ice maker mechanism, remove the ice storage bin, separate the ice, discard the inseparable ice, and put the usable ice pieces back into the bin. The intermittent dispensing of ice is normal. However, since ice may get stuck and block the ice chute, regularly check the ice chute and clear any obstacles.

NOTE

- Figure depends on model.

⚠ WARNING

- Naver insert your hand or any other object into the ice chute as this may damage dispenser parts or cause injury to the hand.
- If ice is discoloured, stop using the dispenser and call the service centre.
- Do not touch the blade ① ⓐ as it may injure the hand.
- Naver insert your hands into the ice maker during operation. It may cause injury ②.
- Do not allow your children to hang off the ice dispenser or the ice storage bin. This could cause injury.

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 place them back into the ice storage bin.
- When the ice maker produces small or lumped together ice, the amount of water supplied to the ice maker may need to be adjusted. Contact the service centre.

* If ice is not used frequently, it may lump together.

Power failure

- Ice may melt and 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.

⚠ CAUTION

- When the door is open, the Ice and water dispenser do not work.
- If you close the door hard, it may cause water spilling over the ice maker.
- To prevent dropping the ice bucket, use both hands when removing it.
- To prevent injury, be sure to clean up any ice or water that may have dropped on the floor.
- Before being used, the leakage in these places should be examined.
- To prevent dropping the ice bucket, use both hands when removing it.
- If Water leakage occurs due to improper installation, Please contact installer.

The other functions

Door open warning

- A warning bleep will sound 3 times every 30 seconds if the main or minibar door is left open or ajar for more than a minute.
- Please contact your local service centre if the warning continues to sound when the door is closed.

Diagnosis (failure detection) function

- The Diagnosis function automatically detects the problem when a failure is found whilst using of refrigerator.
- If a fault occurs, and none of the refrigerator buttons or functions are working, do not turn power off but immediately contact your local service centre. Once powered off it may not be possible for a service engineer to use the Diagnosis function to detect what caused the original fault.

⚠ WARNING

- Use only the LED Lamps provided by manufacturer or service agents.
- Do not disassemble or repair the refrigerator by yourself.
  - You run risk of causing a fire, malfunction and/or personal injury.
    In case of malfunction, please contact your service agents.

How ice/cold water is supplied

Water is cooled while stored in the water tank in the refrigerator compartment, and then sent to the dispenser. Ice is made in the automatic ice maker and is then sent to the dispenser as either crushed or cubed ice.

NOTE

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

Throw away the first ice (about 20 pieces) and the first water (about 7 glasses) passing through the appliance when the refrigerator is initially installed.
The first ice and water may include particles or odour from the feed water pipe or the feed water box. The should also be done if the refrigerator has not been used for a long time.

Keep children away from the dispenser.
Children may push the dispenser switch incorrectly, or damage the dispenser by breaking associated parts. It may also cause them injury.

Always ensure that food does not block the ice chute.
If foods are placed at the entrance of the ice chute, ice may not be dispensed. The ice chute may become covered with ice powder if crushed ice is most commonly used. Remove the accumulated ice powder.

Never store beverage cans or other foods in the ice storage bin for rapid cooling.
This may damage the automatic ice maker.

Never use fine crystal glasses or crockery to collect ice.
Such glasses or containers may be broken.

Put ice into a glass before filling with water or other beverages.
Water may be splashed if ice is added after the drink.

Never touch the ice outlet either with hands or any implement.
Touching the ice outlet may cause a breakage or hand injury.

Never remove the ice maker cover. It might be necessary from time to time to level the ice so the storage bin can fill to capacity.
If ice is allowed to pile up near the ice maker, the ice maker may think that it is already full and it will stop producing ice.

If discolored ice is dispensed, stop using the appliance and contact your serv-ice centre immediately.
Ice may be jammed in ice chute causing the refrigerator to fail.

Never use narrow or deep glassware when using the icemaker
as ice can back up into the ice chute and cause a malfunction.

Keep the glass at a proper distance from ice outlet.
A glass too close to the outlet may hinder ice from coming out.

⚠ WARNING

- Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause personal injury and/or material damage.
- Do not insert your hands into the bottom area under the appliance.
  - Any sharp edges may cause personal injury.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside of the refrigerator.
  - There is a risk of children entrapment and serious personal injury because of low temperature.
- Do not let children step on drawer's cover. - It may break and cause slip hazard.

Lock

This button locks the other buttons

- Locking or Release is repeated whenever the Lock 3sec. is pressed for more than 3 seconds.
- If you use the lock button, none of the other buttons will work until you unlock them.

LOCK UNLOCK

Express Freezer

Please select this function for fast freezing.

- OFF → ON → OFF is repeated whenever pressing Express Freeze button.
- The arrow graphic remains On after flickering 4 times when selecting
- Express Freeze will automatically turn off after a fixed time passes.

On Off

Dispenser light (on some model)

This button turn the dispenser light on and off.

- The dispenser light function is turned ON or OFF by pressing Light button.

On Off

Filter condition (filter replacement cycle) display function (on some model)

- There is a replacement indicator light for the water filter cartridge on the dispenser.
- The water filter should be replacedevery six months.
- The filter light comes on as a reminder to let you know when to replace filter.
- After replacing the filter, press and hold the Water Filter 3sec. button for more than 3 seconds to reset the indicator.

Water tank condition (on some model)

- Next icon indicates the condition of the water tank on no-plumbing model.
- When the water tank is installed correctly, the indicator light will turn on. Otherwise, the light will not turn on.
- This button has no function.

* All icons will be off after 20 seconds for energy saving once the situation changes.

connected separated

Refreshment centre(Applicable to some models only)

How to use

Open the minibar door.

- You can access the minibar without opening the refrigerator door, thus saving electricity.
- Inner lamp is lit in the refrigerator compartment when the minibar door opens, making it easy to identify the contents.

Use the minibar door as a stand

- Never use the minibar door as a chopping board and take care not to damage it with sharp tools.
- Never rest or press on the open minibar door.

Never remove the inner minibar door cover

- The minibar can not function correctly without the cover. Only applies to models with inner minibar cover.

Never place heavy items on the minibar door or allow children to hang or sit on it.

- Not only may the minibar door be damaged, but children may be hurt.

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 rear part of the shelf slightly up and pull it forward.

2. Lift the shelf slightly up after pulling it half way.

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.

Wine holder (Applicable to some models only)

Bottles can be stored laterally with this wine rack.

Deodorizer (Applicable to some models only)

Fresh Air Filter

This system efficiently absorbs strong odours by using an optical catalyst.

This system does not have any affect on stored food.

How to use the deodorizing system

- The deodorizer is located behind the vegetable compartment. It can be removed for cleaning with soapy warm water from time to time.
- Please use closed containers to store pungent food. Odours are easily absorbed by other food in the compartment.

Freezer Compartment (Applicable to some models only)

If a large quantity of food is to be placed in the freezer compartment:

The middle drawer of freezer compartment shall be taken out of the appliance and food shall be stacked directly on the wire shelf.

Freezer compartment provides wire shelf on default to maximize food storage capacity. And also the drawer is provided to convenient usage for watery meat or half-liquid state food.

Max Freezing capacity

If there is already food in the compartment, please set freezer to the coldest condition (depends of type: -23/-24°C) and press on "Express frz" button several hours before placing fresh produce in the freezer compartment to get maximum capacity.
As a rule 4 hours is adequate.

Egg box (Depends on model)

NOTE

- Never use the egg box as an ice storage bin. It can be broken.
- Never store the egg box in the freezer compartment or fresh compartment.

Using door rack (Applicable to some models only)

If the ice maker is not used more room is available for foodstuffs.

- Disassemble and empty the automatic ice maker.
- Turn off the ice maker (①).
- Assemble the door rack with care.
- Store food products in a way preventing them from falling out while opening the door.

Freezer/Fridge door rack

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.

Two stars section ** (Applicable to some models only)

- Two stars means the temperature in the section is -12°C~ -18°C.
- Freezer foods for short-term storage.

No Plumbing Ice & Water (Applicable to some models only)

You can use the water in the water tank or general water bottles to use the Auto Ice Maker function and Water Dispenser function without having to connect the water pipe to the refrigerator.

The other functions

Turn the secure switch into "OPEN" position as shown in ①. Next to loosen the water tank hold and pull the cap of the water tank ② to loosen the water tank.

To fill the water tankLift up the clamps on both sides to open the water tank cover, and then fill the tank. Pour water up to the marked line.
When the tank is full, close the tank cover and lock the clamps on both sides.

Adjust the top of the water tank cap and align the pump tube with the centre, pushing the tank in firmly, as shown in ③. Turn the security switch to the"CLOSE" position ④.

When using the water bottle

When using the water bottle.

You can connect the cap to the general water bottle to use the water bottle, instead of the water tank provided. Turn the cap of the water tank in Open direction to open it. Open the water bottle and connect the cap. Only the water bottle of 1.5 ~2.0ℓ (35cm) can be used and there are some types that are not compatible.

NOTE

- When assembling or disassembling the water tank, be careful not to apply excessive force as it can damage the water tank.
- If there is no water in the water tank, you will not be able to use the Auto Ice Maker function and Water Dispenser function.
- Using other liquid besides water can cause problems to the pump.
- When the water in the water tank is low, the size of the ice cubes may become smaller.
- It's a good idea to clean out the water tank initially before filling it with water and placing it into position.
- The method of using the Dispenser and Ice Maker is the same as other common Dispenser models.
- When using the water bottle instead of the water tank, do not throw away the water tank.
- Because the water tank can get heavy, don't let children use or hold the water tank, especially with one hand.
- You may hear the water pump operating 9~10 times per day.
- If you remove the water bucket, you can use the storage space more widely. (However, you will not be able to use the dispenser and auto icemaker.)

Location of foods

(Refer to identification of parts)

Wine holder	Store wine.
Snack drawer	Store small foods such as bread, snacks, etc..
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 ice cream, etc..
Freezer compartment drawer	Store meat, fish, chicken, etc.. after wrapping them with tin foil.
Milk product corner	Store dry.
Egg box	Store milk products such as butter, cheese,etc..
Refreshment center	Place this egg box in the proper location.
Refrigerator compartment shelf	Store foods of frequent use such as beverage,etc..
Refrigerator compartment door rack	Store side dishes or other foods at a proper distance.
Vegetable drawer	Store vegetables or fruits.
Vegetable drawer/meat drawer conversion corner	Store vegetable, fruits, meat to thaw, raw fish, etc... setting the conversion switch as necessary. Be sure to check the conversion switch setting before storing foods.

Storing foods

⚠ CAUTION

- Store fresh food in the refrigerator compartment. How food is frozen and thawed is an important factor in maintaining its freshness and flavour.
- 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 a refrigerator could spoil other food, and lead to higher energy consumption.
- When storing 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 causes temperatures to rise.
- Never keep too much food in the door rack as it may push against the inner racks so that the door cannot fully close.
- Do not put items filled with water on the refrigerator.- If spilled, there is a risk of fire or electric shock.
- Do not overfill the refrigerator with food. - When you open the door, an item may fall out and cause personal injury or material damage.
- Do not put items filled with water on the refrigerator.- If spilled, there is a risk of fire or electric shock.
- Do not place a lighted candle in the refrigerator for removing bad odors. - This may result in electric shock or fire.
- Bottles should be stored tightly together so that they do not fall out.

Freezer Compartment

⚠ CAUTION

- 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 nutrients.
- Please observe maximum storage times and expiry dates of frozen goods.
- 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 cold foods or containers - especially metallic containers - with wet hands or place glass products in the freezer compartment.

- You may get chill blains, and glass containers may break when frozen, causing personal injury.

Refrigerator Compartment

⚠ CAUTION

- Avoid placing sauces on top refrigerator shelves, which could freeze on direct contact with chilled air.
- 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 keeping the refrigerator in a hot and humid place, frequently open the door or store a lot of vegetables, dew may form. This has no effect on operation or performance. Remove the dew with an absorbent dry cloth.

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 odour formation.
And won't use water or ice dispensers, close the water valve. - Otherwise, water leakage may occur.

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 the products equipped with LED Lamp, do not disassemble Lamp Cover and LED Lamp by yourself. - Please contact your service agents.

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 through the refrigerator to prevent "sweating" on the outer cabinet wall.

Understanding sounds you may hear

Your new refrigerator may make sounds that your old one didn't make. Because the sounds are new to you, you might be concerned about them. Most of the new sounds are normal. Hard surfaces, like the floor, walls and cabinets, can make the sounds seem louder than they describes the kinds of actually are. The following sounds and what may be making them:

- The defrost timer will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control, depending on the model) will also click when cycling on and off.
- Rattling noises may come from the flow of reftigerant, the water line, or items stored on top of the refrigerator.
- You refrigerator is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new refrigerator to run longer than your old one, and you may hear a pulsating or high-pitched sound.
- You may hear the evaporator fan motor circulating the air through the refrigerator and freezer compartments.
- As each cycle ends, you may hear a gurgling sound due the refrigerant flowing in your refrigerator.
- Contraction cause a popping noise to and expansion of the inside walls may a popping noise.
- Water dripping on the defrost heater during a defrost cycle may cause a sizzling sound.
- You may hear air being forced over the condenser by the condenser fan.
- You may hear water running into the drain pan during the defrost cycle.

Suggestion for energy saving

- Please do not keep the door open for a long time, close door in the shortest time.
- Storing too much food is not recommended. Sufficient space should be left to ensure proper air circulation.
- Do not set the temperature of fridge freezer lower than needed. Do not put food near the temperature sensors. Keep the distance of at least 5mm from the sensors.
- Allow hot food to cool prior to storing. Placing hot food in the fridge freezer could affect other food, and lead to higher energy consumption.
- Do not block air vents. Smooth circulation of cold air maintains the appropriate temperature.
- Do not open the door frequently. Opening the door lets warm air enter the fridge-freezer, and causes the temperature to rise.
- The configuration of shelves, baskets and drawers supplied by the manufacturer is the most efficient in terms of energy saving

Cleaning

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

Exterior

Use a luke warm 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 with 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 wall outlet socket.

⚠ WARNING

Always remove power cord from the wall outlet prior to cleaning near to electrical equipment (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 to extremely cold surfaces.

⚠ CAUTION

- Do not directly spray water inside or outside the refrigerator. - There is a risk of fire or electric shock.
- Do not spray cleaning products directly on the display. - Printed letters on the display may come off.
- Remove any foreign matter or dust from the power plug pins. But do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins. - Otherwise there is a risk of fire or electric shock.

Cleaning the water dispenser and the water tank. (Applicable to some models only)

Frequency of cleaning: every 2 months or when is needed.

Procedure:

1. Before cleaning pour out water from the water tank.
2. Mix 0.5ℓ of water with proper amount of dispenser cleaning product (and then pour it into the water tank). Do not use any harsh chemicals.
3. Dispense 1 cup of solution and leave the rest of it inside dispenser system for time shown on the cleaning product label. Do not drink water from the dispenser while all the cleaning process!
4. Dispense rest of the solution until the tank is empty.
5. Clean the water tank with a soft sponge and rinse it under tap water.
6. Fill the water tank with fresh water. Dispense 3 cups of water, one after another with 20s breaks. Fill the water tank with boiled water and dispense one cup.
7. Check taste of water. If the taste is tainted repeat action no.6 until water has non-suspicious taste.

We recommend NOT to leave water inside the water tank for more than 2 days.

Occurrence	Possible cause	Solution
Sediment seeninside the water tank	Type of water supply or water dispenser needs cleaning.	Clean the water tank. Always boil water before placing it into the water tank.
Bad smell and taste of water	Water not dispensed for extended period.	Pour out old water. Clean the water tank. Fill the water tank with new water.

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
Running of refrigerator		
Refrigerator compressor does not run.	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 your electricity supplier.
Refrigerator compressor runs too often or too long.	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 harder 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. It is normal for the refrigerator to have a slight lean backwards. 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
Refrigerator compressor does not run	Thermostat is keeping the refrigerator at a constant temperature.	Set refrigerator control. See setting the controls.
Temperatures are too cold		
Temperature in the freezer is too cold but refrigerator temperature is satisfactory.	Freezer control is set too cold.	Set freezer control to a warmer setting until the freezer temperature is satisfactory.
Temperature in the refrigerator is too cold but freezer temperature is satisfactory.	Refrigerator control is set too cold.	Set refrigerator control to a warmer setting until the refrigerator temperature is satisfactory.
Food stored in drawers freezes.	Refrigerator control is set too cold.	See above solution.
Meat stored in fresh meat drawer freezes.	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.
Temperatures are too warm		
Temperatures in the refrigerator or freezer are too warm.	Freezer control is set too warm.	Set the 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 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. Do not place food items inside the refrigerator until it has initially reached it's set temperature, or has cooled down considerably.
Temperature in the refrigerator is too warm but the freezer temperature is satisfactory.	Refrigerator control is set too warm.	Set the refrigerator control to a colder setting.

Occurrence	Possible cause	Solution
Sound and noise		
Louder sound levels when refrigerator is on.	Today's refrigerators have increased storage capacity and maintain more even temperatures.	It is normal for sound levels to be higher.
Louder sound levels when compressor comes on.	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.
Vibrating or rattling noise.	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.
	Refrigerator control is set too cold.	See above solution.
	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. It is normal for the refrigerator to have a slight lean backwards.
	Refrigerator is touching wall or cabinets.	Move refrigerator so that it does not touch the wall or refrigerator.
Water/Moisture/ Ice inside refrigerator		
Moisture collects on the inside walls of the refrigerator.	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.
Water/Moisture/ Ice outside refrigerator		
Moisture forms on the outside of the refrigerator or between doors.	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
Odours in refrigerator		
	Interior needs to be cleaned.	Clean interior with sponge,warm water and baking soda.
	Food with strong odour is in the refrigerator.	Cover food completely.
	Some containers and wrapping materials produce odours.	Use a different container or brand of wrapping materials.
Opening/Closing of doors/Drawers		
Door(s) will not close.	Food package is keeping door open.	Move packages that keep door from closing.
	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. It is normal for the refrigerator to have a slight lean backwards.
	Refrigerator is touching wall or cabinets.	Move refrigerator.
Drawers are difficult to move.	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.
Dispenser		
Dispenser will not dispense ice	Ice storage bin is empty.	When the first supply of ice is dropped into the bin, the dispenser should operate.
	Freezer temperature is set too warm.	Turn the freezer control to a higher setting so that ice cubes will be made. When the first supply of ice is made, the dispenser should operate.
	Household water line valve is not open.	Open household water line valve and allow sufficient time for ice to be made. When ice is made, dispenser should operate.
	Refrigerator or freezer door is not closed.	Be sure both doors are closed.

Occurrence	Possible cause	Solution
Dispenser will not dispense ice.	Ice has melted and frozen around auger due to infrequent use, temperature fluctuations and/or power outrages.	Remove ice storage bin, and thaw and the contents. Clean bin, wipe dry and replace in proper position. When new ice is made, dispenser should operate.
Ice dispenser is jammed.	Ice cubes are jammed between the icemaker arm and back of the bin.	Remove the ice cubes that are jamming the dispenser.
	Ice cubes are frozen together.	Only the ice cubes made by the ice maker should be used with the dispenser.
	Ice cubes that have been purchased or made in some other way have been used in the dispenser.	Use a different container or brand of wrapping materials.
Dispenser will not dispense water.	Household water line valve is not open. See problem "Ice maker is not making any ice."	Open household water line valve.
	Refrigerator or freezer door is not closed.	Be sure both doors are closed.
Water has an odd taste and/or odour.	Water has been in the tank for too long.	Dispense and discard 7 glasses of water to freshen the supply. Dispense and discard an additional 7 glasses to completely rinse out tank.
	Unit not properly connected to cold water line.	Connect unit to cold water line which supplies water to kitchen tap.
Sound of ice dropping	This sound is normally made when automatically made ice is dropped into ice storage bin. Volume may vary according to refrigerator's location.	
Sound of water supply	This sound is normally made when ice maker is supplied with water after dropping the automatically made ice.	
The display shows the word OFF (After 20 seconds the word OFF disappears but the refrigerator is still in the v DEMO MODE).	The refrigerator is in the Demo(Demonstration) Mode. The Demonstration Mode disables the cooling system, only the lighting system and the display operate in a regular way. To disable the Demo Mode open the door and holding down the Fridge button press the EXPRESS F button 3 times. After deactivating the Demo Mode, the previously set values will appear.	
Other	Please thoroughly read 'Automatic ice maker and dispenser' in this manual.	