LG

SXS REFRIGERATOR

User's Guide

Please read this guide thoroughly before operating and keep it handy for reference at all times.

SXS REFRIGERATEUR

Manuel d'utilisation

Prière de lire attentivement le présent manuel avant d'utiliser le réfrigérateur.
Conserver à portée de main pour pouvoir le consulter à tout moment.

FRIGORÍFICO SXS

Guía de usuario

Lea detenidamente estas instrucciones antes utilizar el frigorífico y guárdelas como referencia para el futuro.

Table of contents

Introduction

Entry — 3
Important safety instruction — 3
Important safety instruction — 4
Identification of parts — 10

Installation

Where to install — 11
How to replace the water purification filter (Only applies to internal type filter model) — 12
Door removal — 13
Door replacement — 14
Feed water pipe installation — 14
When the freezer door is lower than the refrigerator door — 15
When the refrigerator door is lower than the freezer door — 15

Operation

Starting — 16
Adjusting the temperatures and functions — 16
Refreshment center (Applicable to some models only) — 21
Shelf — 22
Wine holder (Applicable to some models only) — 23
Egg box (Applicable to some models only) — 23
Humidity control in the vegetable compartment — 24
Convert into a vegetable or meat compartment (Applicable to some models only) — 24
Deodorizer(Applicable to some models only) — 24
Miracle Zone Temperature Transition Corner(Applicable to some models only) — 25
Temerature Change at Miracle Zone (Applicable to some models only) — 25
Miracle Zone(Applicable to some models only) — 25

Suggestion on food storage

Location of foods — 26
Storing foods — 27

Care and maintenance

How to dismantle parts — 28
General information — 30
Cleaning — 30
Trouble shooting — 31

Earth

Assemble(Inatall)the earth firmly — 36
Earth (grounding) construction — 36

Entry

The model and serial numbers are found on the inner case or back 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. : _____

⚠ Important safety instruction

Before it is used, this refrigerator must be properly installed and located in accordance with the installation instructions in this document.

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 requirements. Never touch it with wet hands because you can get an electric shock or be hurt.

Never place glass products in the freezer because they may be broken due to expansion when their contents are frozen.

Never allow your hands within the ice storage bin of the automatic ice maker. You could be hurt by the operation of the automatic ice maker.

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

Don't use an extension cord

If possible, connect the refrigerator to its own individual electrical outlet to prevent it and other appliances or household lights from causing an overload that could cause a power outage.

Accessibility of Supply Plug

The refrigerator-freezer should be so positioned that the supply plug is accessible for quick disconnection when accident happens.

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.

⚠ Important safety instruction

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 safety messages that inform you of hazards that can kill or hurt you or others 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 will be killed or seriously injured if you don't follow instructions.

⚠ WARNING You can be killed or seriously injured if you don't follow 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.

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.

Make sure of grounding.

The incorrect grounding may cause breakdown and electric shock.

When the power cord or the power plug is damaged or the holes of the outlet are loosed, do not use them.

It may cause electric shock or short circuit to make fire.

2. When using the refrigerator

Do not place the heavy object or the dangerous object (container with liquid) on the refrigerator.

It may be dropped to cause injury, fire or electric shock when opening or closing the door.

Do not install the refrigerator in the wet place or the place which water or rain splashes.

Deterioration of insulation of electric parts may cause electric leakage.

2. When using the refrigerator

Do not cling to the door or the shelves of the door or the home bar of the freezer or the cool chamber.

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

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

It may cause explosion or fire.

Do not place the lit candle within the refrigerator to deodorize.

It may cause explosion or fire.

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 store the medicine or the 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.

Avoid the heating devices.

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.

Use the submerged refrigerator after checking it.

It may cause electric shock or fire.

When gas is leaked, do not touch the refrigerator or the outlet and ventilate the room immediately.

- The explosion by spark may cause fire or burn.
- Because this refrigerator uses natural gas (R600a) as the environment-friendly refrigerant, even a small amount (80~90g) is combustible. When the gas is leaked by the severe damage during delivering, installing or using the refrigerator, any spark may cause fire or burn. (Only for the model with the R600a.)

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 any person except the qualified engineer 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.

2. When using the refrigerator

When disposing the refrigerator, remove the packing materials from the door.

It may cause to lock out the child.

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.

When you want to dispose the refrigerator, contact to the down-block office.

When you want to dispose the large living waste such as electric home appliance and furniture, you'd better contact the local down-block office.

⚠ CAUTION

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

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.

Wait for 5 minutes or longer when reconnecting the plug.

It may cause the operation of the freezer to fail.

Do not put bottle in the freezer.

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

Do not install the refrigerator in the wet place or the place which water or rain splashes.

Deterioration of insulation of electric parts may cause electric leakage.

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

The iron plate of the bottom may cause injury.

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

Otherwise, your hands may be slipped to cause injury.

Because opening or closing the door of the refrigerator may cause injury to the person around it, be careful, please.

Opening or closing the door may cause feet or hands to be caught in the chink in door or the child to be get hurt by the corner.

Do not put any living animal in the refrigerator.

⚠CAUTION

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.

Child entrapment warning

⚠ **DANGER** : Risk of child entrapment.
Before you throw away your old refrigerator or freezer:
Take off the doors but leave the shelves in place so that children may not easily climb inside.

Don't store

Don't store or use gasoline or other flammable vapor and liquids in the vicinity of this or any other appliance.

Grounding (Earthing)

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 grounded improper use of the grounding plug can result in an electric shock. 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.

Identification of parts

NOTE

- If you found some parts missing from your unit, they may be parts only used in other models.

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, 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. Don't install the appliance below 5°C. It may cause affect the performance.

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.

How to replace the water purification filter (Only applies to internal type filter model.)

Water Plumbing

1) Before installing water filter

Take out the top shelf and move it to the lower part.

2) Installing water filter

Remove the filter substitute cap(Ⓓ) by turning it counterclockwise ① by 90 degrees and pulling it down.

Remove the red cap(Ⓔ) from the filter and attach the sticker(Ⓕ).

Insert the upper part of the filter and fasten it by turning it clockwise by 90 degrees.

NOTE

• Check that the guideline and the fastening indication line are aligned.

• **Replacement of water filter**

While holding the lower part of the filter, turn it counterclockwise ① by 90 degrees and pull it down.

NOTE

• Check that the guideline and the loosening indication line are aligned.

3) After installing water filter

Replace the top shelf.

In order to clean the water filter system, drain water for about 3 min.

Door removal

⚠ WARNING

Electric Shock Hazard
Disconnect electrical supply to refrigerator before installi
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.

Remove lower cover and then feed water tube

Remove the lower cover by lifting upward, and remove clip ⓐ, and then pull up the feed water tube while pressing area ① shown in the figure to the right.

NOTE
If a tube end is deformed or abraded, cut the part away.

Remove the freezer compartment door

1) Removing the hinge cover by loosening the screws. Separate all connection wires except for the earth line after.

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

⚠ CAUTION

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.

Remove the refrigerator door

1) Loosen the hinge cover screws and remove the cover. Remove connection wire, 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 shown in the right figure.

Door replacement

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

Feed water pipe installation

Before installation

- Automatic ice maker operation needs water pressure of 147~834 kPa (1.5~8.5 kgf/cm^2) (That is, an instant paper cup (180 cc) will be fully filled within 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 for the tube not be bent. If the tube is 8 m or longer it may cause trouble in water feed owing to the drain water pressure.
- Install the feed water pipe tube at a place free from heat.

⚠ WARNING

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

When the freezer door is lower than the refrigerator door

Insert the transparent sheet supplied with the product when the freezer door is lower than the refrigerator door.

- Separate the door with the lower height,use the (+) type screwdriver to unscrew the screw at the bottom hinge as shown at Figure ①,insert the transparent sheet between the bottom hinge and the bottom bracket, and then fix it with the screw as shown at Figure ② .
- Insert more transparent sheets enough to align the height. (4 shttes are supplied in total.)

When the refrigerator door is lower than the freezer door

Make adjustments when the refrigerator door is lower than the freezer door while using the refrigerator.

1. Use the wide side of the adjustment tool ③ to rotate the tightening nut ① in clockwise direction to loosen it.
2. Use the narrow side of the adjustment tool ③ to rotate the adjustment hinge pin ② in either clockwise or counterclockwise direction to level the height of the refrigerator to that of the freezer.
3. After leveling the height of the door,rotate the tightening nut in counterclockwise direction to tighten it all the way.

⚠CAUTION

Do not adjust the height excessively. You can lose the hinge pin.
(Height adjustable range: Maximum of 5mm)

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

NOTE

- Your model may not include every option.

Display Power Saving Mode

This function places the display into power saving mode until the next time the door is opened. Press the FREEZER and EXPRESS FRZ. buttons simultaneously and hold them for 5 seconds until the Ding sounds. All LED light will then turn ON, then OFF. When the power saving mode is activated, the display will remain off until the next time the door is opened. Then, it will come on whenever a door is opened or a button is pressed and remain on for 20 seconds after the last door opening or button selection. To deactivate the power saving mode, press the FREEZER and EXPRESS FRZ. buttons simultaneously and hold them for 5 seconds until the Ding sounds.

When doors are closed or stopping button selection for 20 seconds, the brightness of LED display will turn down, The power saving mode is activated. When a door is open or a button is pressed, the brightness of LED display will turn up.

You can adjust temperature of the freezer room and refrigerator room.

How to adjust the temperature in the freezer compartment

Freezer room temperature adjustment

※ Whenever pressing FREEZER button,setting is repeated in the order of (−19℃→−20℃…→−23℃→−15℃…→−19℃).

How to adjust the temperature in the refrigerator compartment

Refrigerator room temperature adjustment

※ Whenever pressing REFRIGERATOR button,setting is repeated in the order of (3℃→2℃…→0℃→6℃…→3℃).

- The actual inner temperature varies depending on the food status,as the indicated seeeing temperature is a target temperature,not actual temperature within refrigerator.
- Refrigeration function is weak in the initial time,Please adjust temperature as above after using refrigerator for minimum 2-3 days.

Express freezer

Please select this function for prompt freezer.

- "on"and"off" is repeated whenever pressing EXPRESS FRZ. CHILD LOCK 3SECS button.
- The arrow mark graphic remains at the"on"status when selecting Special Refrigeration"on".
- Super freezer function automatically turns off if a fixed time passes.

Lock

This button stops operation of different button.

- Locking or Release is repeated whenever the button is pressed more than 3seconds.
- When you use the EXPRESS FRZ. CHILD LOCK 3SECS button, you can not use any other button, until you unlock the unit. When you press the other button when the unit is locked, the 🔒 will flash 3 times to notify the current Lock condition.

Dispenser use selection

You can select water or ice.

❊ Please select water, slice ice and square ice by pressing DISPENSER button as you desire.

❊ Please press the push button lightly by catching and pushing in cup.

- The border line is indicated for the selected function,
- "Tak!" sounds if 5 seconds pass after ice comes out.
  It is sound that the outlet of ice is closed.

- **Reference :** Please wait for 2-3 seconds in order to take final ice slices or drops of water when taking out cup from the pressing switches after taking ice or water.

Automatic ice maker

- The icemaker can automatically make 8 pieces of ice cubes at anyone time, approximately 80 pieces per day. However these quantities may vary according to certain conditions. E.g. the duration and amount of times the refrigerator door is opened.
- The Ice making proceeds ceases automatically when the ice storage bin is full.
- If you choose not to use the automatic ice making function, repositioned the icemaker selection switch to the off position or the on position for reselection. Note: The manual selection function is only applicable to some models only.

NOTE

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

Ice maker cover

When you use the ice maker,please remove the cover from door and keep it in the door basket or other place.
When you don't use the ice maker,please put on the cover and turn off the ice maker by the switch,them remove all the ice in the bucket ice.

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

- The ice in ice storage bin may melt and the melt water may flow to the freezer compartment. Take the ice storage bin out and discard all the ice, dry it and the freezer compartment. Then replace back the ice storage bin.

The unit is newly installed

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

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 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.

How to use dispenser

- Select one among crushed ice, water, and cubed ice and slightly press the push switch with a glass or other container.

Water

Light the water indicating lamp by pressing the selection button.
Water will be dispensed by pressing the push switch with a glass.

Cubed ice

Light the cubed ice indicating lamp by pressing the selection button.
Cubed ice will be dispensed by pressing the push switch with a glass.

Crushed ice

Light the crushed ice indicating lamp by pressing the selection button.
Crushed ice will be dispensed by pressing the push switch with a glass.

Filter condition (filter replacement cycle) display function

- There is a replacement indicator light for the water filter cartridge on the dispenser.
- The water filter should be replaced every six months.
- The filter light comes on to let you know when to replace filter.

- After replacing the filter, press and hold the filter button more than 3 seconds to reset the indicator.
- Please contact with the local service center if you need to replace filter.

Dispenser light

This button turn the dispenser light in the dispenser on and off.

- The dispenser light function is turned ON or OFF by pressing LIGHT/FILTER button.

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.

⚠ 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 bad or 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 crockery 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.

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.

If power is cut for long time, please remove the ice in ice storage bin.

When power is cut for long time , the ice in ice storage bin may melt and the melt water may flow out of the refrigeration. And then it may damage the floor. So please remove all the ice in ice storage bin before power is cut off or going out for long time.

Refreshment center(Applicable to some models only)

How to use the Home Bar

1. Press the top central part of the Home Bar until you hear the "Click" sound.
   - You can save electricity because you do not have to open the refrigerator door.
   - Because the indoor lamps of the fridge and freezer are turned on even when you open only the Home Bar door, you can easily take out the food you want.
   - When closing the Home Bar, press until you hear the "Click" sound.

2. Open the door and use the door as the support board.
   - Put the beverage or food on the support board fo convenience of use.

How to disassemble the fridge Home Bar cover

First separate the upper door basket of the Home Bar (①) and then pull up the Home Bar cover(②).

Precaution

1. Do not use the refrigerator with the internal Home Bar cover taken out.
   - If the cover is taken out, the Home Bar function cannot work.

2. Be careful not to press or damage the Home Bar support board.
   - If you lean or press the support board with your arm, it can be damaged.
   - Do not use the support board as a cutting board or use sharp tools on the support board to prevent any scratches.
   - When the support board is wet with alien fluid such as juice, it may not operate properly.
   - When the packing part is wet with alien fluid such as juice, periodically wipe the part.
   - Never place heavy items on the refreshment center door or allow children to hang it on.
     Not only can the refreshment center door may be damaged,but also 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 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.

Wine holder (Applicable to some models only)

Wine holder adjustment

Bottles can be stored laterally with this wine rack.

(Type 1)

(Type 2)

Egg box (Applicable to some models only)

You can move the egg box to wherever you want.

[Normal] [For Many Eggs]

⚠ CAUTION

- 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.

Humidity control in the vegetable compartment

The humidity can be controlled by adjusting the humidity control switch to the left/right when storing vegetables or fruits.

High humidity

Low humidity

Convert into a vegetable or meat compartment (Applicable to some models only)

- The bottom drawer in the refrigerator can be converted into a vegetable or meat compartment

The meat compartment maintains the temperature at a lower point than the refrigerator compartment so that meat or fish can be stored fresh longer.

NOTE

- Vegetables or fruits are frozen if the conversion switch is set to meats compartment. So, be sure to check it before storing foods.

Deodorizer (Applicable to some models only)

This system efficiently absorbs strong odors by using the optical catalyst. This system does hot have any affect on stored food.

How to use the deodorizing system

- Since it is installed already installed onto the cool air intake duct from the from the refrigerator compartment, you need no separate installation.
- Please use closed containers to store food with pungent odors. Otherwise, this oder can be absorbed by other food in the compartment.

Miracle Zone Temperature Transition Corner (Applicable to some models only)

By pressing the button, store vegetables, fruits or other types of food such as meat to be defrosted, raw fish, etc.

Temperature Change at Miracle Zone (Applicable to some models only)

Method to Use

You can select optimum temperature range depending on types of foods stored.

- 4-step of temperature selection including -3℃,-1℃,2℃and 5℃ is available. Vegetables/fruits and cold storage foods requiring humidity maintenance and meats/fishes can be more freshly stored depending on type of foods stored.

- When using the Miracle Zone as storage room of meats, storing vegetables or fruits may be frozen
- When using the Miracle Zone as storage room of meats, keeping meats or fishes may be spoiled and thus meats or fishes must be kept at the F-room.
- If opening a door of the R-room, lamp turns on in the selected status and lamp turns off if closing it.
- (VEGE) ➔ (REF) ➔ (FISH) ➔ (MEAT) is sequentially repeated whenever pressing the " TEMP." button.

Miracle Zone (Applicable to some models only)

When removing Miracle Zone

- First, remove the vegetable bin.
- After lifting the Miracle Zone case slightly ①, reach inside and pull it outward ② .

When installing Miracle Zone

- Fit the Miracle Zone case on to the ledge ① and gently slide it in ② .
- When forced, the connecting parts can be damaged.

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 thin foil.
- Store dry.

Milk product corner

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

Egg box

Place this egg box in the proper location.

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.

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

- 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

- Avoid placing moist food in top refrigerator shelves, it could freeze from 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 keep the refrigerator in a hot and humid place, frequent openning 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.

How to dismantle parts

NOTE

- Dismantling is done in the reverse sequence of assembly.
  Be sure to unplug the power plug before dismantling and assembly.
  Never apply severe force to dismantle parts. Parts may be damaged.

Freezer compartment lamp

Separate the lamp by pulling it out ② while slightly pressing ① and rotating ③ the lamp cover.
Turn the bulb counterclockwise.
(Please cut the power off before operation)
Use a DC 12V 0.75W LED bulb.
Please contact with the local service center, when the LED lamp bulb doesn't operate well .

Freezer compartment shelf

To remove a shelf, push the shelf to the left ②, lift the left part of the shelf a bit ①, lift the right part up ③ , and take it out.

Door rack and support

Lift the door rack holding both sides ① and pull it out to ② direction.

Space plus

Lift the space plus ① and pull it out to ② direction.

Ice storage bin

Hold the ice storage bin as shown in the right figure and pull it out ② while slightly lifting it ①.

- It is recommended not to dismantle the ice storage bin unless it is necessary.
- Be sure to use both hands when removing the ice storage bin, so as not to drop it on the floor.
- If the ice storage bin does not fit well, slightly rotate the rotating device.

After dispenser is used

The water collector has no self-draining function. It should be cleaned regularly.

First take out the water collector cover.
Press the cover where PUSH marked ① to lift the water collector cover up.
Take out the water collector cover as the picture ②.

Lamp in refrigerator compartment

Separate the lamp by pulling it out while②
slightly pressing①and rotating③the lamp cover.
(Please cut the power off before operation)
Disassembly the screws of the lamp broad
and take it down. Use a DC 12V 2W LED
lamp broad.
Please contact with the local service center,
when the LED lamp board doesn't operate well .

Separate the lamp by pulling it out ①.
Turn the bulb counterclockwise.
(Please cut the power off before operation)
Use a DC 12V 0.75W LED bulb. Please contact
with the local service center,
when the LED lamp bulb doesn't operate well.

Refreshment center

- Separate the door rack① to upward.
- Separate cover of the refreshment center② to upward.
- The door rack③ can be removed by pulling it upwards.

NOTE

Be sure to remove parts from the refrigerator door when removing the vegetable compartment,snack drawer and refreshment center cover.

Vegetable compartment cover

- To remove the vegetable compartment cover,pull out the vegetable compartment a bit to the front (①) ,lift the front part of the vegetable compartment cover as shown by (②),and take it out.

Ice Maker

- Turn off the Ice maker switch(off)after remove the **Space plus**,if you are on a long term vacation or don't use a ice.
  You want to use a ice,turn on the Ice make switch(on).

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.

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.

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
Runing 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 local electric company.
Refrigerator runs too much 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 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
Refrigerator compressor does not run.	Thermostat is keeping the refrigerator at a constant temperature.	This is normal. The refrigerator goes on and off to keep the temperature constant.
Temperatures are too cold		
Temperature in the freezer is too cold but the refrigerator temperature is satisfactory.	Freezer control is set too cold	Set the freezer control to a warmer setting until the freezer temperature is satisfactory.
Temperature in the refrigerator is too cold and the freezer temperature is satisfactory.	Refrigerator control is set too cold.	Set the refrigerator control to a warmer setting
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 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.
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.
	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.
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
Odors in refrigerator		
	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.
Opening/Closing of doors/Drawers		
Door(s) will not close.	Food package is keeping door open.	Move packages that keep door from closing.
Door(s) will not close.	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..
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 ice maker arm and back of the bin.	Remove the ice cubes that are jamming the dispenser.
	Ice cubes are frozen together.	Use the dispenser often so that cubes do not freeze together.
	Ice cubes that have been purchased or made in some other way have been used in the dispenser.	Only the ice cubes made by the ice maker should be used with the dispenser.
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 odor.	Water has been in the tank for too long.	Draw and discard 7 glasses of water to freshen the supply. Draw 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 faucet.
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.	
Other	Please thoroughly read 'Automatic ice maker and dispenser' in this manual.	

Assemble (Install) the earth firmly.

When the earth connection is unstable, it can cause a problem or an electric shock in case of electricity leakage.

When installing and using the product in the following location, you must do an earth construction by requesting to your retailer.
(Earth construction is not free.)

- Unfloored or dirt floored (room with dirt and no floor), concrete floor etc., and location where leakage and dew drops can occur including locations where water can drip such as near the sink, basement etc.

Connect the earth wire to the earth connecting screw on the rear side of the product.

Do not connect the earth wire to the following locations.

- Water pipe and gas pipe have the possibility of explosion and flammable danger.
- Telephone line earth and lightning rod are dangerous with high current in case of lightning.

When installing near wet locations, you are obligated to install the circuit breaker in addition to the earth wire. Consult with your retailer.

Earth (grounding) construction

It is recommended to install the earth to prevent electric shock in case of electricity leakage.

About connection

- Connect the earth line to the earth wire assembly screw on the back of the refrigerator.

Do not connect the earth wire to the following locations.

- **Gas pipe**
  It can cause an explosion and can be flammable.
- **Telephone earth wire and lightning rod**
  It is dangerous during lighting.
- **Water pipe and water tap**
  The earth wire connection will not work when the middle of the water pipe is made of plastic.

When installing the product in a humid or wet location, you must install the earth wire.

Ex)
- Unfloored or dirt floored room (Room with dirt and no floor), concrete floor
- Location where it can get wet such as near the sink
- Location where water can leak or is humid such as basement
- Other wet or humid location

Especially, for locations where it always get wet such as near the restaurant sink, you are obligated by the law to install a circuit breaker in addition to the earth wire.

After consulting with your retailer or electric construction company, you must do the earth wire construction (Type 3 earth construction). Earth construction is not done for free.

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