

OWNER'S MANUAL SXS REFRIGERATOR

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

Important**(In the UK Only)**

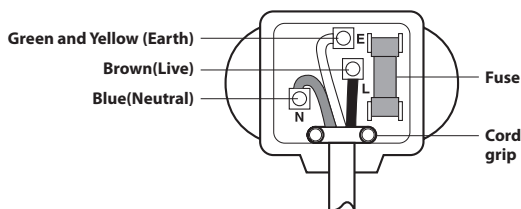
The wires in this mains lead are coloured in accordance with the following code:

GREEN AND YELLOW:EARTH

BLUE:NEUTRAL

BROWN:LIVE

This appliance must be earthed



As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol (\perp) or coloured Green or Green and Yellow.

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.

If a 13 amp (BS 1363) plug is used, fit a 13 amp BS 1362 fuse.

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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

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 fire or electric shock. Never touch the cord if you are uncertain if the appliance is correctly earthed.

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.

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

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.

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



Don't use an extension cord

Accessibility of Supply Plug Supply Cord Replacement

 **Warning**

Child entrapment



Warning

DANGER: Risk of child entrapment.

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.

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

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 use the combustible spray near the refrigerator.

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

It may cause fire.

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



Don't store

Warning

Grounding

(Earthing)



Warning



Warning



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.



This appliance may contain (Check the rating/compliance label for the refrigerant type and amount. Applicable to some models only) a small amount of isobutane refrigerant (R600a),

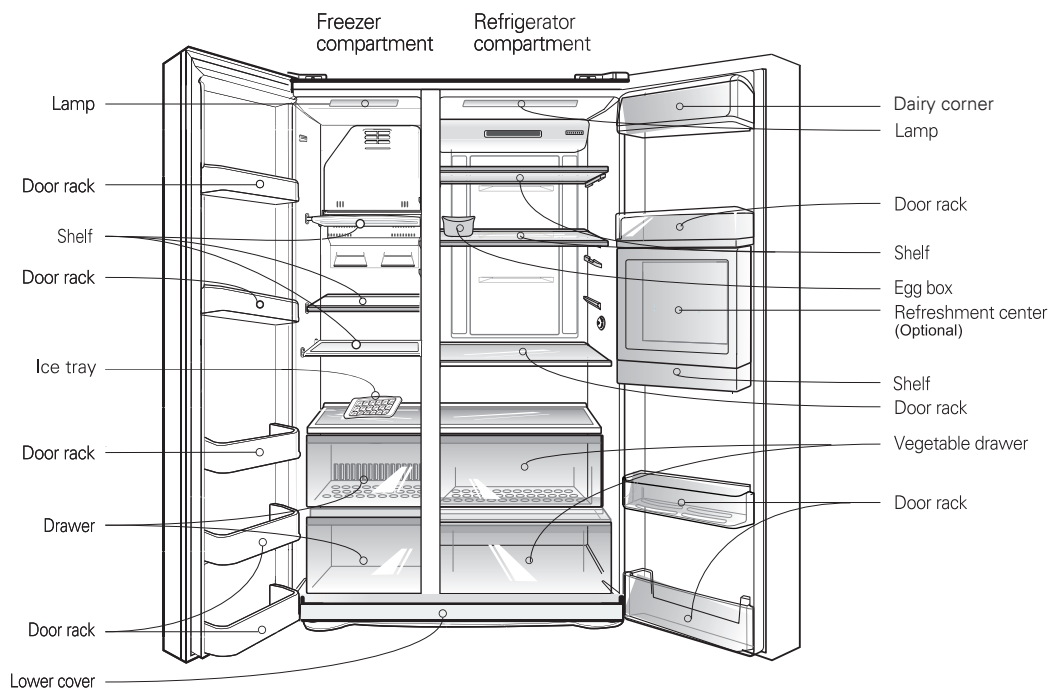
natural gas with high environmental compatibility, but it is also combustible.

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 1m² in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance. Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.

Identification of parts

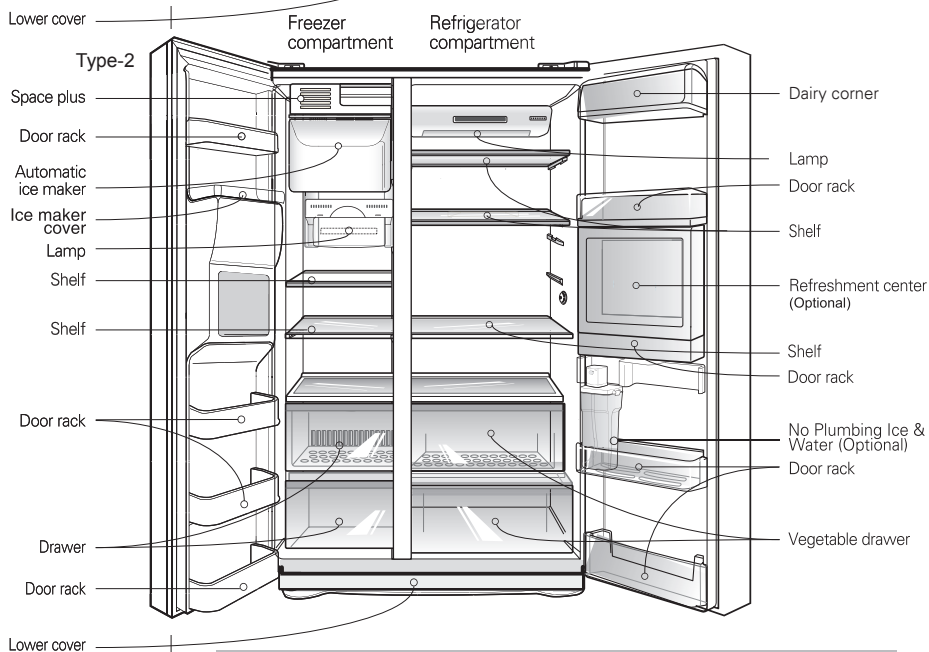
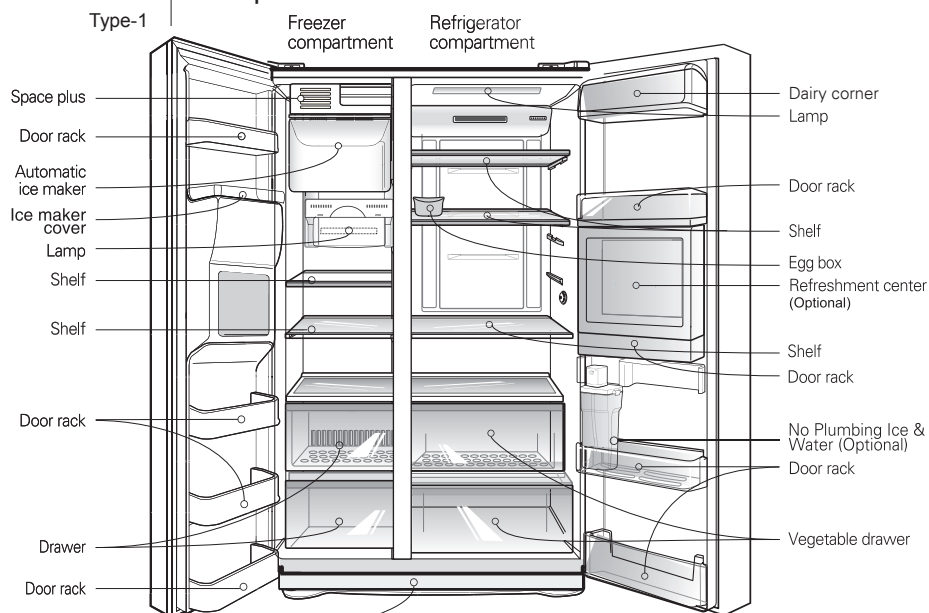
*Non dispenser model



NOTE

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

*Dispenser model



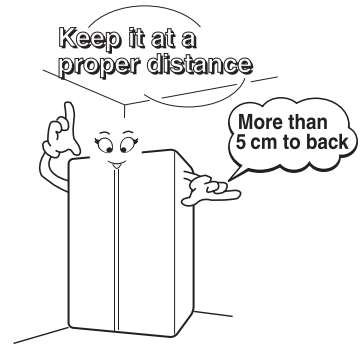
NOTE

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

Select a good location

Where to install

1. Place your appliance where it is easy to use.
 2. Avoid placing the unit near heat sources, direct sunlight or moisture. 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-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 levelled.
 5. Do not install the appliance in temperatures of less than 5°C as the performance may be affected.
 6. 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.
- This appliance contains fluid (refrigerant, lubricant) and is made of parts and materials which are reusable and/or recyclable.
- 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.



Disposal of the old appliance

Door removal

Remove lower cover and then feed water tube

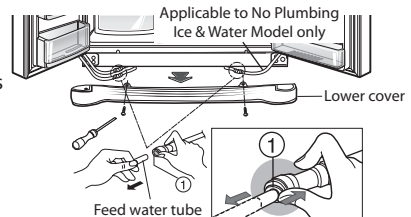
Remove the freezer compartment door

⚠ 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.

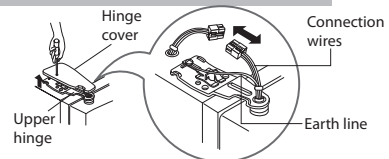
Remove the lower cover by loosening all the screws. Then push in the feed water tube while depressing the connector, as shown in the illustration on the right.



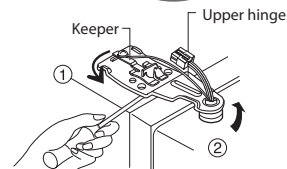
NOTE

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

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



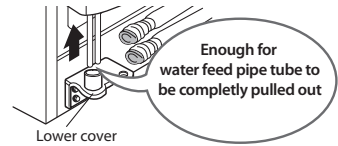
- 2) Remove the keeper by rotating it counter clockwise (①) and then lifting the upper hinge up (②).



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.

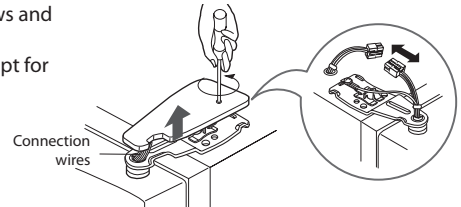


NOTE

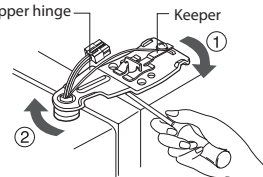
- If you have removed the refrigerator compartment door to pass the appliance through an access door, lay the door down, but be careful not to damage the feed water pipe tube.

Remove the refrigerator compartment door

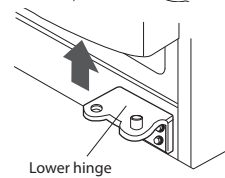
- 1) Loosen the hinge cover screws and remove the cover. Remove connection wires, if any, except for the earth line.



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

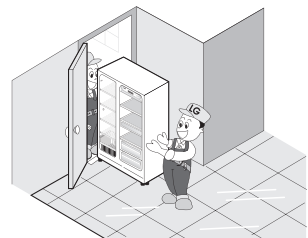


- 3) Remove the refrigerator compartment door by lifting it up.



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.

**Before
installation**

Warning

If the freezer
compartment
door is lower than
the refrigerator
compartment
door

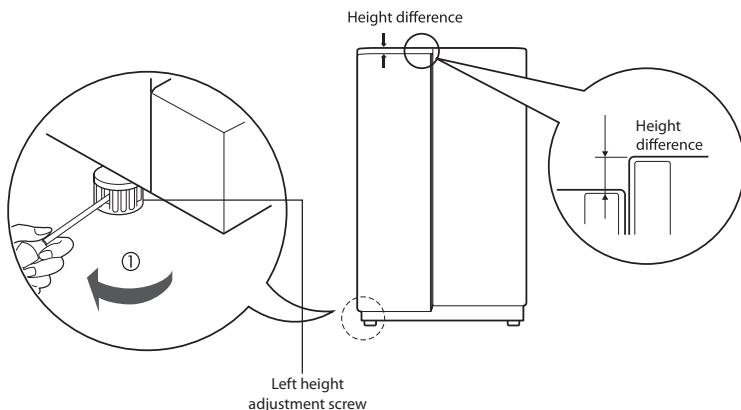
If the freezer
compartment
door is higher than
the refrigerator
compartment
door

Feed water pipe installation (Dispenser model only)

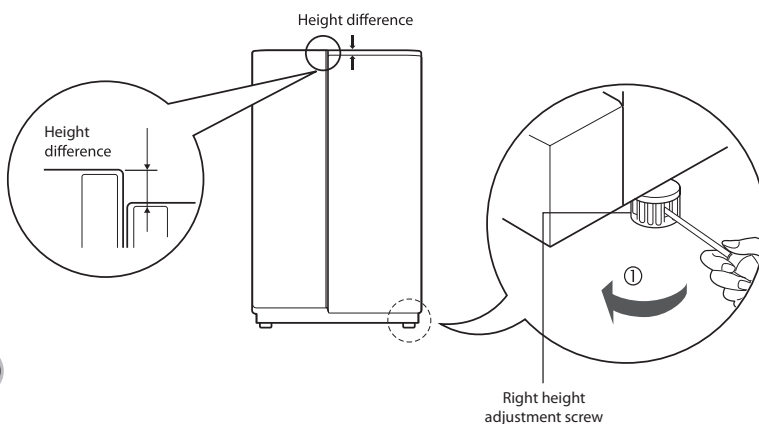
- Automatic ice maker operation needs water pressure of 147~834kPa (1.5~8.5kgf/cm²) (The pressure is correct when an instant paper cup (180cc) is filled in 3 sec.).
- If water pressure does not reach the rating 147kPa(1.5kgf/cm²) or below, it is necessary to purchase a separate pressure pump for normal automatic icing and cool water feed.
- Keep the total length of the feed water pipe tube within 8m and be careful that the tube does not bend. If the tube is 8m 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.
- Refer to instructions with water filter kit for installation.
- Connect to potable water supply only. (for Plumbing Type)
- Fill with potable water only. (for Non-Plumbing Type)

Door height adjustment

Level the door by inserting flat(- type) driver into the groove of the left height adjusting screw and rotate it clockwise (①).



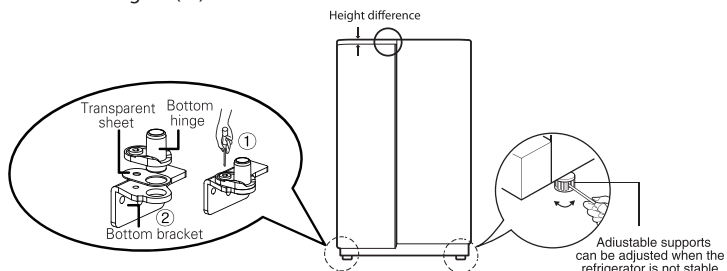
Level the door by inserting flat(- type) driver into the groove of the left height adjusting screw and rotate it clockwise (①).



If the freezer compartment door is lower than the refrigerator compartment door (on some model)

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

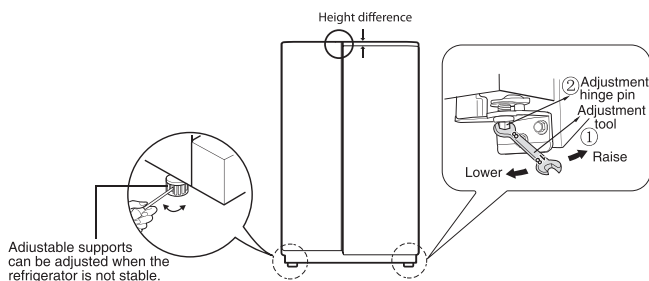
Separate the door with the lower height, use the (+) type screwdriver to unscrew the screw at the bottom hinge as shown at Figure (①), insert the transparent sheet between the bottom hinge and the bottom bracket, and then fix it with the screw as shown at Figure (②)



If the freezer compartment door is higher than the refrigerator compartment door (on some model)

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

Use the adjustment tool (①) 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.



Warning

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

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

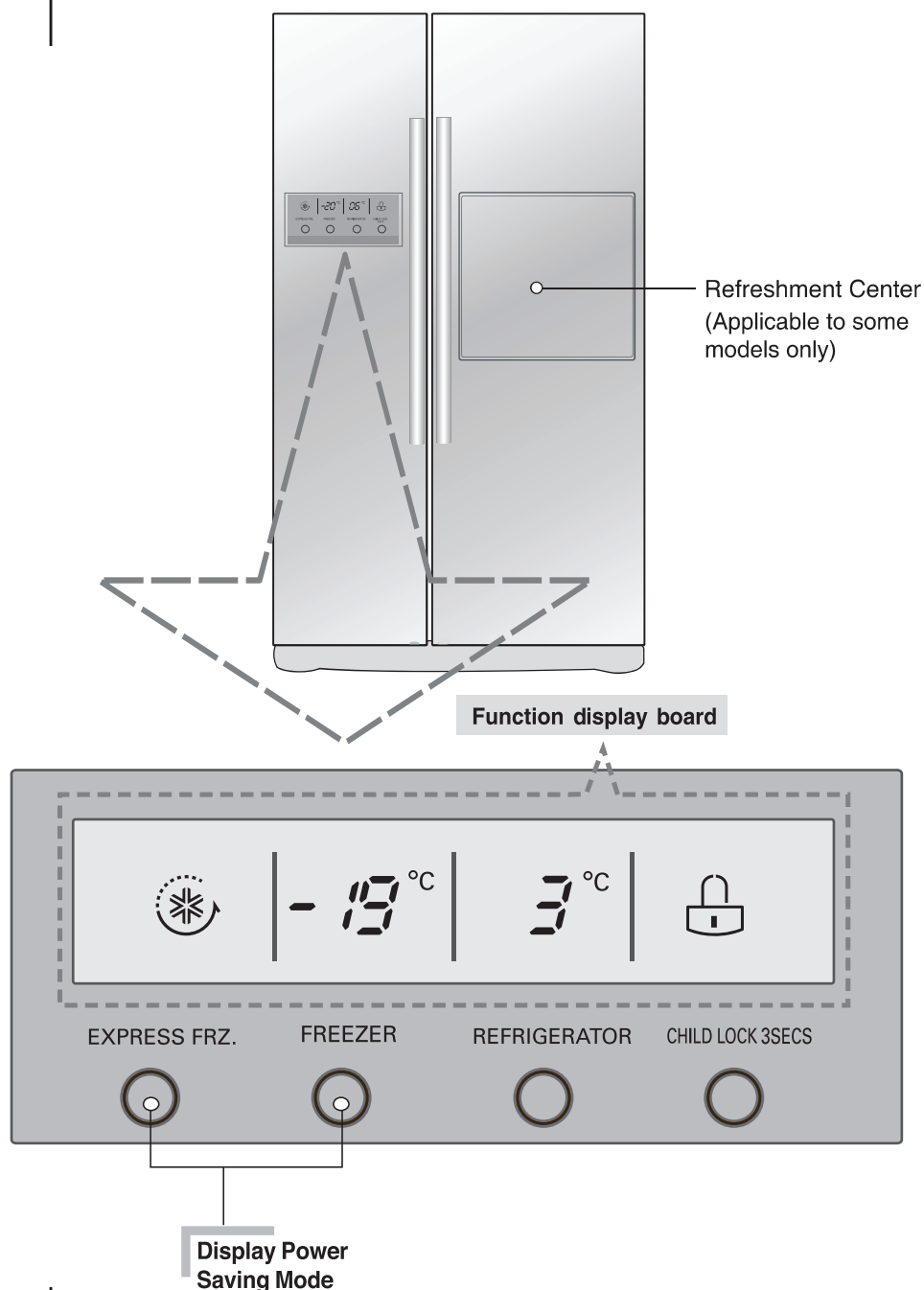
1. Wipe off all dust accumulated during shipping and clean your appliance thoroughly.
2. Install accessories such as the ice cube box, cover evaporating tray, etc., in their proper places. They are packed together to prevent possible damage during shipping.
3. Connect the power supply cord (or plug) 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.

Adjusting the temperatures and functions

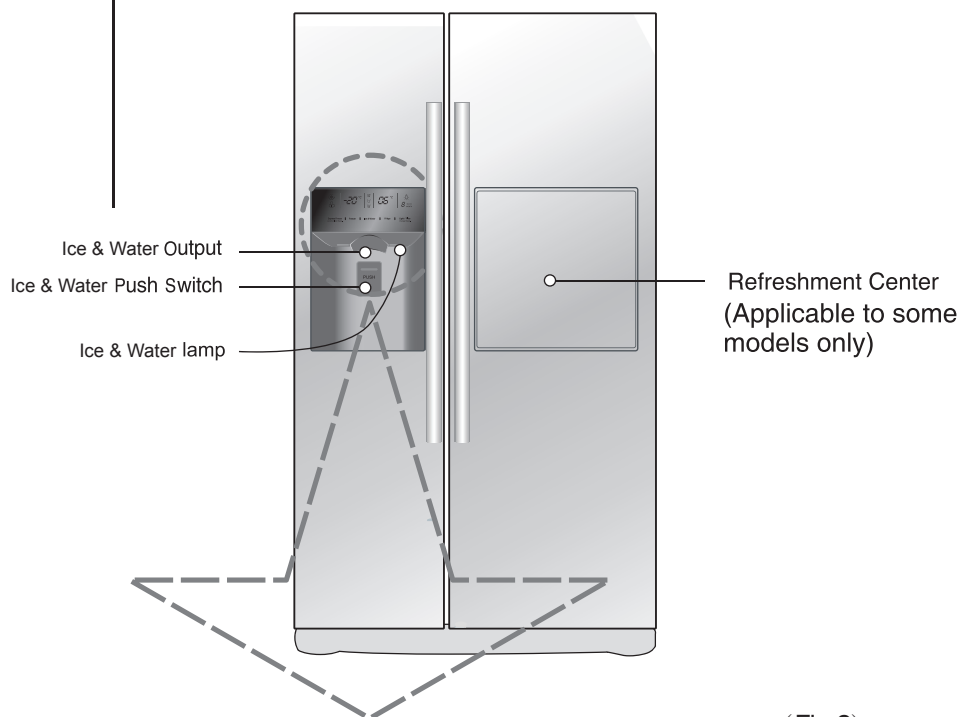
*Non dispenser model



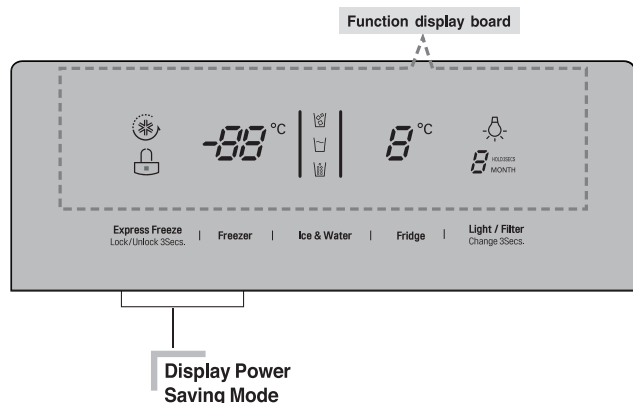
NOTE

- Your model may not include every option.

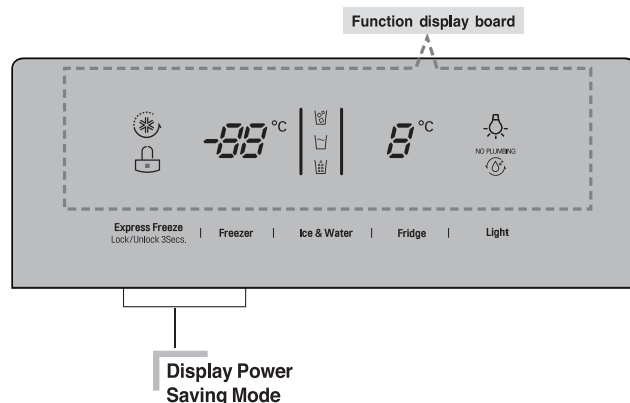
*Dispenser model



(Fig-1)



(Fig-2)



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.

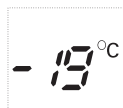
How to adjust the temperature in the freezer compartment

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

Freezer room temperature adjustment

Type-1

Freezer

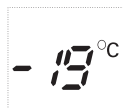


Setting temperature	
-15℃	-20℃
-16℃	-21℃
-17℃	-22℃
-18℃	-23℃
-19℃	

※ Whenever pressing "Freezer", setting is repeated in the order of (-19℃→-20℃→-23℃→-15℃→-19℃).

Type-2

Freezer



Setting temperature		
-14℃	-18℃	-22℃
-15℃	-19℃	-23℃
-16℃	-20℃	-24℃
-17℃	-21℃	

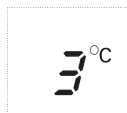
※ Whenever pressing "Freezer", setting is repeated in the order of (-19℃→-20℃→-24℃→-14℃→-19℃).

How to adjust the temperature in the refrigerator compartment

Refrigerator room temperature adjustment

Type-1

Fridge

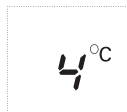


Setting temperature	
6℃	2℃
5℃	1℃
4℃	0℃
3℃	

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

Type-2

Fridge



Setting temperature	
7℃	3℃
6℃	2℃
5℃	1℃
4℃	

※ Whenever pressing "Fridge", setting is repeated in the order of (3℃→2℃→1℃→7℃→3℃).

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.

Water
Select water by pressing the selection button, which will be highlighted.

Cubed Ice
Select cubed ice by pressing the selection button, which will be highlighted

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

Ice & Water



Ice & Water



Ice & Water



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

Ice maker cover (on some model)

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, then remove all the ice in the bucket ice.



Ice maker cover

Precautions when using the dispenser (on some model)

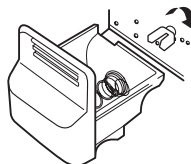
To get cold water

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.

①



②



NOTE

- Figure ① and ② depends on model.

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.

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
- Express Freeze will automatically turn off after a fixed time passes.

Express Freeze

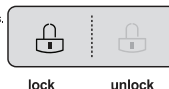


Lock

This button locks the other buttons

- Locking or Release is repeated whenever the "Lock/Unlock 3Secs." 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 3Secs.



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 replaced every 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 filter button for more than 3 seconds to reset the indicator.

Light / Filter

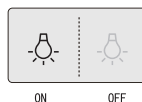


Dispenser light (on some model)

This button turn the dispenser light on and off.

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

Light / Filter



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.

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. This 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 service 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.

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

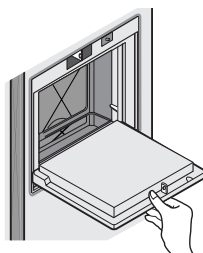
- Two stars means the temperature in the section is $-12^{\circ}\text{C} \sim -18^{\circ}\text{C}$.
- Freezer foods for short-term storage.

Refreshment centre (Applicable to some models only)

How to use

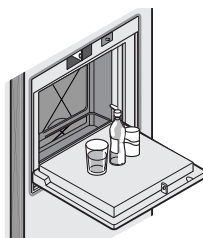
Open the minibar door.

- 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.



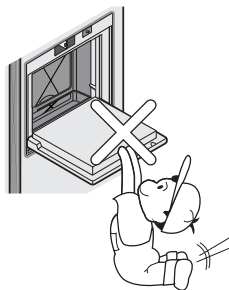
Never remove the inner minibar door cover

- 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.



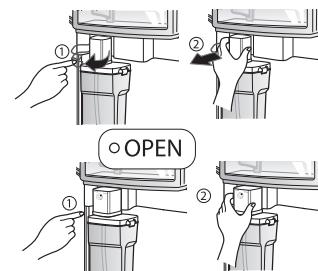
The other functions

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

You can use the Automatic ice maker and Water Dispenser function without having to connect an external water pipe to the refrigerator. The refrigerator uses an internal water tank located on the refrigerator door to supply water for these functions.

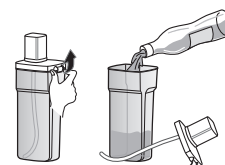
To remove the water tank:

Turn the locking dial to the "OPEN" position as shown in Fig.(1). Then hold and pull the cap of the water tank in the direction of the arrow in Fig.(2) to release the water tank. the water tank can now be lifted carefully out of the door basket for filling or cleaning.



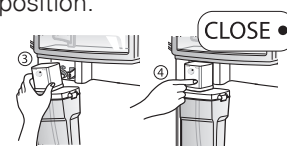
To fill the water tank

Lift up the clamps on both sides to open the water tank cover, and then fill the tank. Pour water up to the marked line (4.5ℓ). When the tank is full, close the tank cover and lock the clamps on both sides. The water tank can also be filled from the removable fill cap located on the water tank lid.



To refit the water tank:

Place the filled water tank back into the door basket and align the pick up nozzle to the water pipe spigot as shown in Fig (3). Firmly push the tank so that the water pick up nozzle locates into the spigot. Fig (4). Then turn the locking dial to the "CLOSED" position. The pump motor will then automatically operate when this is done so that the water line is purged of any air.



NOTE: If the tank is not inserted correctly, water will leak from the pick up nozzle onto the door basket. Always wait 15 seconds after dispensing water before attempting to remove the water bottle for filling or cleaning.

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 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.
- Because the water tank can get heavy, don't let children use or hold the water tank, especially with one hand.
- As the ice maker uses water from the water tank, you may hear the water pump operating 8~10 times per day.

Shelf

How to use

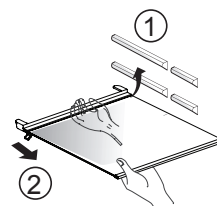
You can store side dish or refrigerated food on the shelf with sufficient space in between the containers.



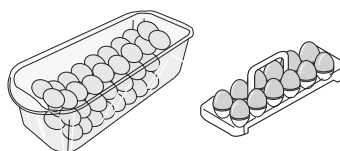
How to disassemble

1. Lift up the back side of the shelf (①).

2. Pull out the shelf (②).



Egg box (Depends on model)

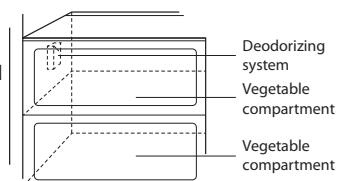


NOTE

- 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.

Deodorizer (Applicable to some models only)

This system efficiently absorbs strong odours by using an optical catalyst. This system does not have any affect on stored food.



- 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.

How to use the deodorizing system

Freezer Compartment (Option not available for all models)

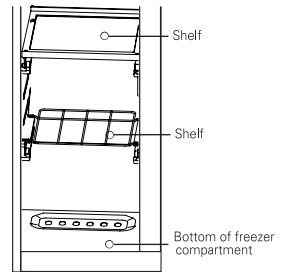
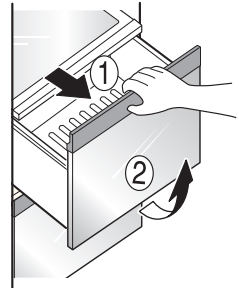
If a large quantity of food is to be placed in the freezer compartment:

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, button on "Express frz" several hours before placing fresh produce in the freezer compartment to get maximum capacity, As a rule, 4 hours is adequate.



Ice Making

(Option not available for all models)

- To make ice cubes, fill the ice tray to the water level and place it in the freezer.
- To remove ice cubes, hold the tray at its ends and twist gently.



Tip

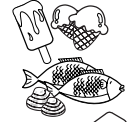
To remove ice cubes easily, run water on the tray before twisting.

Location of foods

(Refer to identification of parts)

Freezer
compartment
shelf

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



Freezer
compartment
door rack

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



Freezer
compartment
drawer

- Store meat, fish, chicken, etc.. after wrapping them with tin 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 vegetable, fruits, meat to thaw, raw fish, etc..



**Freezer
Compartment****Storing foods**

- 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 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.
- 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**

- 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 keep 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.

Suggestion for energy saving

- Install the fridge in a shady, cool and well-ventilated place.
- Do not open and close the door frequently if not necessary.
- Please do not keep the door open for a long time, close door in the shortest time.
- Allow hot food to cool prior to storing.
- Too much food are not advised to be put in. Enough space should be kept for cool air circulating freely.
- Do not set the temperature of refrigerator lower than needed. Do not put the food near the temperature sensor.
- Food need't store is not advised to be put in.
- Place the deep-frozen food for thawing in refrigerator; they can be used for cooling the refrigerator. (Applicable to some models only)
- Clean up the back cover and anti-condensation pipe termly (once a year) to make sure heat exchange in gear. (Applicable to some models only)
- Do not block air vents with food. (Applicable to some models only)

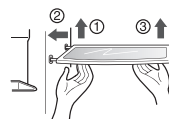
How to dismantle parts

NOTE

- Dismantle by reversing the assembly instructions. Be sure to unplug the power plug before dismantling and assembly. Never apply severe force to dismantle parts. Parts may be damaged.

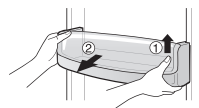
Freezer
compartment
shelf

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 ②.



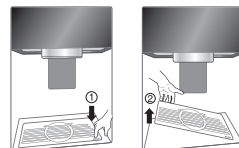
After dispenser is
used
(Applicable to
some models only)

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 illustrated ②.



Refreshment centre
(Applicable to some
models only)

- Separate the bin ① to upward.
- Separate the upper rack of the minibar and then pull out the minibar cover ②.
- The minibar can be removed by pulling it upwards.

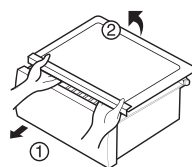


NOTE

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

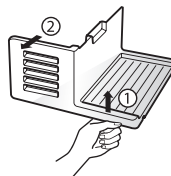
**Vegetable
compartment
cover**

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



**Space Plus
(Applicable to some
models only)**

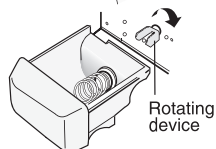
Lift the space plus ① and pull it out to ② direction.



**Ice storage bin
(Applicable to some
models only)**

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

- It is recommended that the ice storage bin is not dismantled unless absolutely 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.



**Ice maker
(Applicable to some
models only)**

Turn off the Ice maker switch (off) after remove the SPACE PLUS, if you are on a long term vacation or don't use ice.
If you want to use for ice, turn on the Ice maker 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 odour 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 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.
- 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.)
- Rattling noises may come from the flow of refrigerant, the water line, or items stored on top of the refrigerator.
- Your 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.

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.

For products with a stainless steel exterior, use a clean sponge or soft cloth and a mild Detergent in warm water. Do not use abrasive or harsh cleaners. Dry thoroughly with a Soft cloth. Do not use appliance wax, bleach, or other products containing chlorine on stainless steel.

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.

**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 seen inside 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.

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 control is off.	Set refrigerator control. See setting the controls.
Refrigerator compressor does not run.	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 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 compressor runs too often or too long.	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 (32F, 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 outages.	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 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.	



DISPOSAL OF YOUR OLD APPLIANCE

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your local Council, waste disposal service or the shop where you purchased the product.

It is Normal...

The following occurrences are normal.

	Occurrence	Solution
Noise	When you hear "Tak" or "Took" sound	This is the sound of various parts expanding/contracting or various control devices operating depending on the temperature change within the refrigerator.
	When you hear "Deureureuk~", "Dulkuk" or "Woong" sound	This is the count of compressor or fan operating when the operation of the refrigerator is starting or ending. This is the same phenomenon of the sound generated when starting or turning off the engine of a car.
	When you hear "Kureureuk" sound of water flowing	This is the sound of refrigerant changing the condition in the freezer/fridge. When the liquid changes to gas, you will hear the sound of water flowing and when gas changes to liquid, you will hear the "Kureureuk" sound.
	When you hear the sound of wind such as "Shoo~" or "Shik" right after you close the door	This is the sound generated when the internal pressure is temporarily lowered when the warm air entered through the fridge or freezer is cooled fast.
	When you hear the vibrating sound	If the refrigerator is installed on wooden floor or wooden wall, or if the refrigerator is not leveled properly, the sound can be loud from the vibration.
	When you hear a loud sound after installing the product for the first time	When you operate the refrigerator for the first time, the refrigerator will operate at high speed to cool fast and the sound can seem louder. When the internal temperature falls below a certain level, the noise will subside.
Door open	When the door is slightly opened after closing the door	Depending on the force or speed of closing the fridge or freezer door, the door can open slightly and then get closed. Be careful not to close the door too hard.
Icing/ Dew drops	When there is icing or dew drops formed on the inner or outer side of the refrigerator	When external air flows into the cool inner surface of the refrigerator, icing/dew drops can be formed. Especially, this will happen more easily when you open and close the refrigerator door more frequently. Also if the humidity of the installed location is high or during the rainy season or on a rainy day, dew drops can form on the outer side of the refrigerator. This is a natural phenomenon that occurs during the humid weather. Wipe the water drops with a dry cloth.
Temperature	When the front side of the refrigerator is warm	Heat pipes are installed around the front part of the refrigerator and on the divider of the freezer and fridge to prevent the dew drops from forming. The refrigerator may feel warmer after the installation or during the hot summer, but this is not a problem and you can be rest assured.

Smart Diagnosis

(Applicable to some models only)

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.



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