



Refrigerator user manual

imagine the possibilities

Thank you for purchasing this Samsung product.



Free Standing Appliance

SAMSUNG

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Safety information

SAFETY INFORMATION

Before using your new Samsung French Door Refrigerator, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new appliance offers safely and efficiently.

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

Because the following instructions cover various models, the characteristics of your refrigerator may differ slightly from the refrigerator described in this manual.

If you have any question, contact us at 1-800-SAMSUNG or find help and information online at www.samsung.com









Important safety symbols and precautions:

WARNING

Hazards or unsafe practices that may result in severe personal injury or death.

CAUTION

Hazards or unsafe practices that may result in minor personal injury or property damage.

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the refrigerator is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

These warning symbols are here to prevent injury to you and others.

Please follow them carefully.

After reading this section, keep it in a safe place for future reference.

WARNING

STATE OF CALIFORNIA PROPOSITION 65 WARNING (US ONLY)

- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING

CRITICAL INSTALLATION WARNINGS



- Do not install the refrigerator in a damp location or place where it may come in contact with water.
- Deteriorated insulation on electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose it to the heat from stoves, room heaters, or other appliances.
- Do not plug several appliances into the same multiple power strip.
The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matches the voltage listed on the refrigerator's rating plate.
- This provides the best performance and also prevents overloading of house wiring circuits, which could cause a fire hazard from overheated wires.
- If the wall socket is loose, do not insert the power plug.
- There is a risk of electric shock or fire.
- Do not use a power cord that has cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy objects on it.
- Do not twist or tie the power cord.
- Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.
- When moving the refrigerator, be careful not to roll over or damage the power cord.

- This may result in an electric shock or fire.
- Never unplug your refrigerator by pulling on the power cord.
Always grip the plug firmly and pull straight out from the outlet.
- Damage to the cord may cause a short-circuit, fire, and/or electric shock.
- Do not use aerosols near the refrigerator.
- Using aerosols near the refrigerator may cause an explosion or fire.
- Do not install this appliance near a heater or inflammable material.
- Do not install this appliance in a humid, oily, or dusty location, or in a location exposed to direct sunlight or water (rain, etc.).
- Do not install this appliance in a location where gas may leak.
- This may result in an electric shock or fire.
- This appliance should be positioned in such a way that it is accessible to the power plug.
- Failing to do so may result in an electric shock or fire due to electric leakage.



- This refrigerator must be properly located and installed in accordance with the instructions in this manual before you use it.
- Connect the power plug in the proper position with the cord hanging down.
- If you connect the power plug upside down, the wire can get cut off and cause a fire or electric shock.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.
- Make sure that the power plug is not crushed or damaged by the back of the refrigerator.
- Keep the packing materials out of reach of children.
- There is a risk of death from suffocation if a child puts the packing materials on his or her head.
- The appliance must be positioned so that the plug is accessible after installation.
- Failing to do so may result in an electric shock or fire due to electric leakage.
- You need to remove all the protective plastic film before you initially plug the product in.
- Children should be supervised to ensure that they do not play with the fastener.
- There is a risk of death from suffocation if a child swallows the fastener.

SAFETY INFORMATION

Pay special attention to children because it can be dangerous.
Keep the fastener out of reach of children.



- The refrigerator must be safely grounded.
- Always make sure that you have grounded the refrigerator before attempting to investigate or repair any part of the appliance. Power leakages can cause severe electric shock.
- Never use gas pipes, telephone lines, or other potential lightning attractors as an electrical ground.
- Improper use of the grounding plug can result in a risk of electric shock.
If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the appliance.
The marked rating of the extension cord should be AC 115-120 V, 10 A, or more.
If a grounding adapter is used, make sure the receptacle box is fully grounded.
- Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.
- This may result in an electric shock or fire.



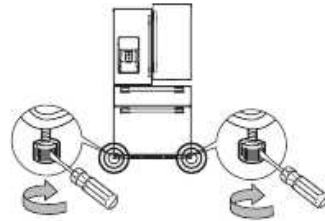
- If the power cord is damaged, have it replaced immediately by the manufacturer or one of its service agents.

⚠ CAUTION

INSTALLATION CAUTIONS



- Allow sufficient space around the refrigerator and install it on a flat surface.
- Keep the ventilation space in the appliance enclosure or mounting structure clear of obstructions.
- Allow the appliance to stand for 2 hours before loading foods after installation and turning on.
- We strongly recommend you have a qualified technician or service company install the refrigerator.
- Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.



- To ensure a secure installation, make sure both refrigerator legs contact the floor. Legs are located at the bottom front of the refrigerator, behind the freezer drawer. Open the freezer, and then remove the lower basket. Remove the leg cover to expose the legs. Insert a flat-head screwdriver into a notch in one of the feet, and then turn the foot in the direction of the arrow until the foot firmly contacts the floor. Repeat with the other foot.
- Always balance the load on each door.
- Overloading a door may cause the refrigerator to fall and result in physical injury.

⚠ WARNING

CRITICAL USAGE WARNINGS



- Do not insert the power plug into a wall socket with wet hands.
- Do not store articles on the top of the appliance.
- When you open or close the door, the articles may fall and cause personal injury and/or material damage.
- Do not insert hands, feet or metal objects (such as knives, etc.) into the bottom or the back of the refrigerator.
- This may result in an electric shock or injury.
- Any sharp edges may cause a personal injury
- Do not put a container filled with water on the refrigerator.
- If spilled, there is a risk of fire or electric shock.
- Children should be supervised to ensure that they do not play with the appliance.
- Keep fingers out of "pinch point" areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open

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- the doors if children are in the area.
- Do not let children hang on the door or door bins. A serious injury may occur.
- Do not let children go inside the refrigerator. They could become trapped.
- Do not insert your hands into the bottom area under the appliance.
- Any sharp edges may cause personal injury.
- Do not let children step on a drawer.
- The drawer may break and cause them to slip.
- Do not overfill the refrigerator with food.
- When you open the door, an item may fall out and cause personal injury or material damage.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
- This may cause frostbite.
- Never put fingers or other objects into the water dispenser hole, ice chute, or ice maker bucket.
- It may cause personal injury or material damage.
- Do not use or place any substances sensitive to temperature such as inflammable sprays, inflammable objects, dry ice, medicine, or chemicals near or inside of the refrigerator.
- Do not keep volatile or inflammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas, and other such products) in the refrigerator.
- This refrigerator is for storing food only.
- This may result in fire or explosion.
- Do not store pharmaceutical products, scientific materials, or temperature sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use an electrical appliance inside the refrigerator, unless it is of a type recommended by the manufacturer.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance. This may result in an electric shock, fire, problems with the product, or injury. Do not put a container filled with water on the appliance.
- If spilled, there is a risk of fire or electric shock.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.

- Do not damage the refrigerant circuit.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in an electric shock, fire, or problems with the product.
- Never stare directly at the UV LED lamp for long periods of time.
- This may result in eye strain due to the ultraviolet rays.



- Do not attempt to repair, disassemble, or modify the appliance yourself.
- Do not use any fuse (such as copper, steel wire, etc.) other than a standard fuse.
- If your appliance needs to be repaired or reinstalled, contact your nearest service center.
- Failing to do so may result in an electric shock, fire, problems with the product, or injury.
- If the interior or exterior LED lamp has gone out, please contact your nearest service center.



- Children should be supervised to ensure that they do not play with the appliance.
- Keep fingers out of "pinch point" areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open the doors if children are in the area.
- Do not let children hang on the door. A serious injury may occur.
- Do not let children go inside the refrigerator. They could become trapped.
- Bottles should be stored tightly together so that they do not fall out.
- This product is intended only for the storage of food in a domestic environment.
- If a gas 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.
- Do not touch the appliance or power cord.
- Do not use a ventilating fan.
- A spark may result in explosion or fire.
- Use only the LED Lamps provided by the manufacturer or its service agents.






- If the refrigerator emits a burning smell or smoke, unplug the refrigerator immediately and contact your Samsung Electronics service center.

- If you experience difficulty changing a non-LED light, contact a Samsung service center.
- If the product is equipped with LED Lamps, do not disassemble the Lamp Covers and LED Lamps yourself.
- Please contact your service agents.
- If dust or water enters the refrigerator, unplug the refrigerator and contact your Samsung Electronics service center.
- There is a risk of fire.

CAUTION

USAGE CAUTIONS

-  • Do not re-freeze frozen foods that have thawed completely.
Do not place carbonated or fizzy drinks in the freezer compartment.
Do not put bottles or glass containers in the freezer.
- When the contents freeze, the glass may break and cause personal injury.
- Use only the ice maker provided with the refrigerator.
- Have the refrigerator's water supply connected only to a potable water supply.
To operate the ice maker properly, water pressure of 20 – 125 psi (138 – 862 kPa) is required.
If you will be away from home for a long period of time (on vacation, for example) and won't be using the water or ice dispensers, close the water valve.
- Otherwise, water leakage may occur.
- If you won't be using the refrigerator for a very long period of time, (3 weeks or more) empty the refrigerator including ice bucket, unplug it, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.
-  • Service Warranty and Modification.
- Any changes or modifications performed by a 3rd party on this finished appliance are not covered under Samsung warranty service, nor is Samsung responsible for safety issues that result from 3rd party modifications.
- Do not block the air vents inside the refrigerator.
- If the air vents are blocked, especially with a plastic bag, the refrigerator can be over cooled.
If this cooling period lasts too long, the water filter may break and cause water leakage.
- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.
- If you have a long vacation planned or do not intend to use the refrigerator for a long period of time, (3 weeks or more) empty the refrigerator including ice bucket, pull out the power plug, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.
- To get the best performance from the product:
 - Do not place food too close to the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
 - Wrap food up properly or place it in airtight containers before putting it into the refrigerator.
 - Do not place glass bottles or carbonated beverages in the freezer.
They can freeze and break.
Broken beverage containers can cause injury.
 - Please observe maximum storage times and expiration dates of frozen goods.
 - There is no need to disconnect the refrigerator from the power supply if you will be away for less than three weeks.
However, if you will be away for more than three weeks, remove all the food and ice in the ice bucket, unplug the refrigerator, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.
- Fill the water tank and ice cube trays with potable water only (tap water, mineral water, or purified water).
- Do not fill the tank with tea or a Sports drink. This may damage the refrigerator.
- Do not strike or apply excessive force to any glass surface.
- Broken glass may result in a personal injury and/or property damage.
-  • If the product is flooded, make sure to contact your nearest service center.
- There is a risk of electric shock or fire.

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⚠ CAUTION

CLEANING CAUTIONS

- Do not spray water directly on the inside or outside the refrigerator.
 - There is a risk of fire or electric shock.
 - Do not use a hair dryer to dry the inside of the refrigerator.
 - Do not place a lighted candle in the refrigerator to remove bad odors.
 - This may result in an electric shock or fire.
-
- Use a clean, dry cloth to remove any foreign matter or dust from the power plug blades.
Do not use a wet or damp cloth when cleaning the plug.
 - Otherwise, there is a risk of fire or electric shock.
-
- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
 - Failing to do so may result in an electric shock or fire.

⚠ WARNING

CRITICAL DISPOSAL WARNINGS

- **DANGER** : Risk of child entrapment.
Before you throw away your old refrigerator or freezer:
 - Take off the doors and door latch.
 - Leave the shelves in place so that children cannot easily climb inside.
 - Children trapped inside a refrigerator can hurt themselves or suffocate to death.
- Please dispose of the packaging material from this product in an environmentally friendly manner.
- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.
- R-600a or R-134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator.
If this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
- When disposing of this refrigerator, remove the door/door seals and door latch so that small children or animals cannot become trapped inside.
Children should be supervised to ensure that they do not play with the appliance.
If trapped inside, the child may get hurt or suffocate to death.
- Cyclopentane is used in the insulation. The gases in the insulation material require a special disposal procedure.
Please contact your local authorities in regard to the environmentally safe disposal of this product.
- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
- If a child places a bag over his or her head, the child could suffocate.



ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
- 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.
- Should the power failure last more than 24 hours, remove and discard all frozen food.
- The appliance might not operate consistently (frozen contents can thaw or temperatures can become too warm in the frozen food compartment) when sited for an extended period of time in a location where ambient air temperatures are constantly below the temperatures for which the appliance is designed.
- In case of particular foods, keeping it under refrigeration can have a bad effect on preservation due to its properties.
- Your appliance is frost free, which means there is no need to manually defrost your appliance. This will be carried out automatically.
- Temperature rise during defrosting complies with ISO requirements.
But if you want to prevent an undue rise in the temperature of frozen food while the appliance defrosts, wrap the frozen food in several layers of newspaper.
- Do not re-freeze frozen foods that have thawed completely.

Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation.
Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (a radiator, for example).
- Not to block any vents and grilles is recommended for energy efficiency.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw. You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out.
The shorter the time the door is open, the less frost build-up you'll have in the freezer.
- It is recommended to install the refrigerator with clearance to the back and sides.
This will help reduce power consumption and keep your energy bills lower.
- For the most efficient use of energy, please keep all inner fittings, such as baskets, drawers, and shelves, in their original positions.

Setting up your French Door Refrigerator

GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on your purchase of this Samsung French Door Refrigerator. We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

Selecting the best location for the refrigerator

Choose :

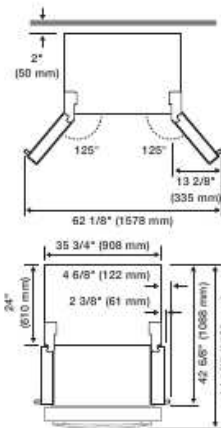
- A location with easy access to a water supply.
- A location without direct exposure to sunlight.
- A location with a level floor.
- A location with enough space for the refrigerator doors to open easily.
- A location that allows sufficient space to the right, left, back, and top for air circulation.
- A location that allows you to move the refrigerator easily if it needs maintenance or service.
- Do not install the refrigerator in locations where the temperature is over 110 °F (43 °C) or below 50 °F (10 °C).
- Do not locate the refrigerator where it may become wet.


If the refrigerator does not have enough space, it can cause the bad influence to refrigeration efficiency and power consumption. If your refrigerator has an ice maker, allow extra space at the back for the water line connections. When you install the refrigerator next to a fixed wall, you need a minimum clearance of 3 3/4" (95 mm) between the refrigerator and wall to allow the door to swing open.

Important : Make sure that you can easily move your refrigerator to its final location by measuring doorways (both width and height), thresholds, ceilings, stairways, etc. The following chart details the exact height and depth of this Samsung French Door Refrigerator.



Depth "A"	28.58" (726 mm)
Width "B"	35.74" (908 mm)
Height "C"	68.85" (1719 mm)
Overall Height "D"	69.96" (1777 mm)
Depth "E"	31.02" (789 mm)

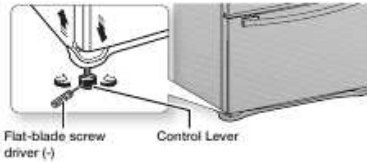


 Each measurement based on the design dimension, so it may differ depending on the measuring method.

When moving your refrigerator

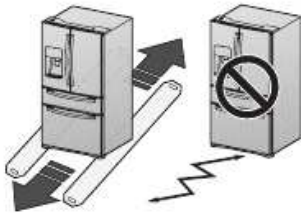
⚠ CAUTION

To prevent floor damage, be sure the front adjusting legs are in the up position (above the floor). Refer to "Leveling the refrigerator" in the manual on page 15.



FLOORING

For proper installation, you must place this refrigerator on a level, hard surface that is the same height as the rest of the floor. This surface should be strong enough to support a fully loaded refrigerator. To protect the finish of the flooring, cut a large section of the cardboard carton and place it under the refrigerator where you are working. When moving the refrigerator, you need to pull and push it straight forwards or back. Do not wiggle it from side to side.



REMOVING THE REFRIGERATOR DOORS

For some installations, you need to remove the fridge and freezer drawers so you can move the refrigerator to its final location.

Do not remove the doors/drawer if you don't need to.

If you need to remove the doors, continue below. If you do not need to remove the refrigerator doors, go to "Leveling the refrigerator" on page 15.

⚠ WARNING

Disconnect power to the refrigerator before removing the doors or drawer.

- Be careful not to drop, damage, or scratch the doors/drawers while removing them.
- Use care when you remove the doors/drawers. The doors are heavy and you could injure yourself.
- Reattach the doors/drawers properly to avoid:
 - Moisture from air leakage.
 - Uneven door alignment.
 - Wasting energy due to improper door seal.

Disassemble the refrigerator doors

⚠ WARNING

Be careful not to drop or scratch the doors while removing them.

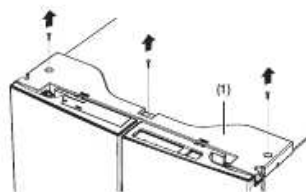
Required Tools (Not provided)

You need the following tools to complete the installation of your refrigerator:

Philips screwdriver (+)	Flat-blade screw driver (-)	Socket wrench 3/8" (10 mm)
Pliers	Allen wrench 3/16" (5 mm)	

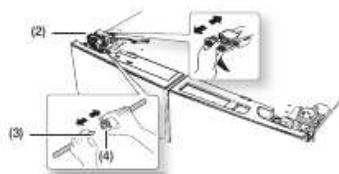
With the door opened

1. Remove the 3 screws holding down the TOP TABLE (1) and separate the connected wires.

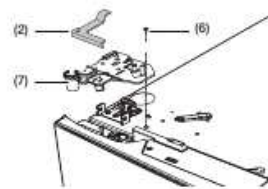


2. Disconnect the two connectors (2) on the left side door.

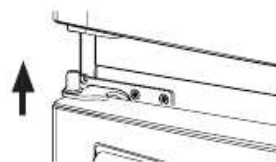
To remove the water coupler from the hinge, twist and pull it from the hinge. Remove the water line (3) while pressing the marked part (4) of the water line coupler.



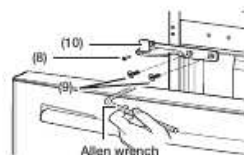
3. Pull and remove the hinge lever (5). Remove the ground screw (6) attached to the upper left door hinges with a philips screwdriver (+). Remove the upper left and right door hinges (7).



4. Lift the door straight up to remove.



5. Remove the screw (8) attached to the lower left and right door hinges with a philips screwdriver (+). Remove the 2 hex head bolts (9) attached to the lower left and right door hinges with an allen wrench (5 mm). Remove the lower left and right door hinges (10).

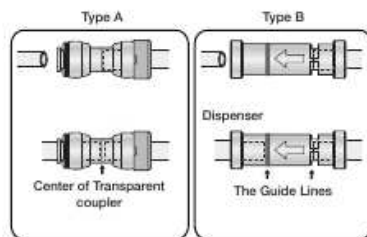


SETTING UP

RE-ATTACHING THE WATER SUPPLY LINES

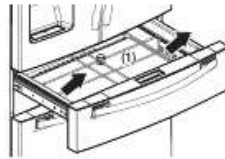
To reattach the fridge doors after you have moved the fridge to its final location, assemble the parts in reverse order.

1. The Water Line must be fully inserted into the center of the transparent coupler (Type A) or the Guide Lines (Type B) to prevent water leakage from the dispenser.

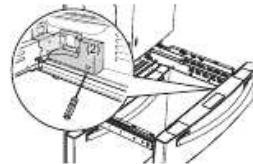


DISASSEMBLING THE FLEX DOOR

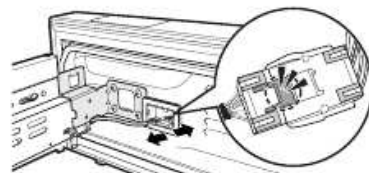
1. Take out the Flex Zone (1) by lifting it up.



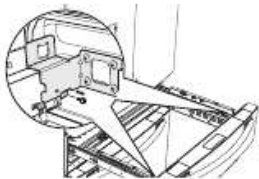
2. Take off the cover (2) with the harness using a flat-blade screwdriver (-).



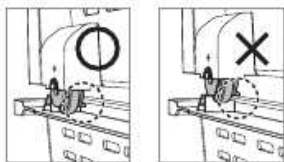
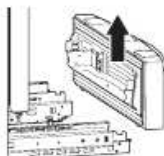
3. Press the locking tab, and then separate the Wire Connector.



4. Remove 1 hex head bolt from each side with a socket wrench (10 mm).



5. Lift up the Flex door from the rails.



RE-ASSEMBLING THE FLEX DOOR

To reattach the Flex Door after you have moved the fridge to its final location, assemble the parts in reverse order.

⚠ CAUTION

Be sure to connect the Flex Door Wire Connector. If it is not connected, the Flex Room does not work.

DISASSEMBLING THE FREEZER DOOR

1. Take out the upper drawer by lifting it up.



2. Remove the freeze room guard (1) by lifting the guard up.

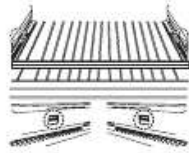


3. Take out the lower basket (2) by lifting the basket up from the rail system.

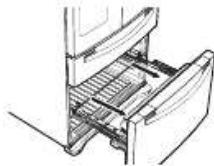


SETTING UP

4. Press the fixing hook of the rail system.



5. Holding the top of the Freezer Drawer, pull it out all the way, and then remove it from the rail system.

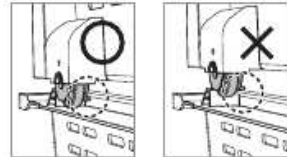


⚠ CAUTION

Be careful not to scratch or dent the sliding rail by letting it strike the floor.

⚠ CAUTION

Make sure that you mount the freezer basket in the right position when removing / installing the freezer door.
Failing to do so may result in the door not opening or closing properly.



RE-ASSEMBLING THE FREEZER DOOR

To reattach the drawer after you have moved the fridge to its final location, assemble the parts in reverse order.

LEVELING THE REFRIGERATOR

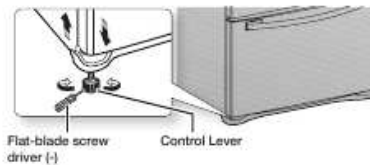
Make sure the refrigerator is level so that you can make final adjustments.

Use a level to test if the refrigerator is level both side to side and back to front.

If the refrigerator is not level, you will not be able to get the doors perfectly even, which may cause moisture condensation and increased energy bills. Below is an example of how to level the refrigerator if the left side of the refrigerator is lower than the right side.

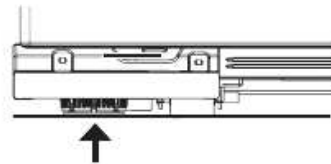
How to level the refrigerator

1. Open the freezer drawer and remove the lower basket.
2. Remove the leg cover to adjust the leg.
3. Insert a flat-blade screwdriver (-) into the notch on the left control lever, and turn it counter-clockwise or clockwise to level the refrigerator. (You turn the lever clockwise to lower the refrigerator and counterclockwise to raise it.)



⚠ CAUTION

To prevent the refrigerator from tipping over and causing personal injury or property damage, both control levers must be firmly touching the floor.



⚠ CAUTION

If the refrigerator is on an uneven floor, it may tilt. To prevent this, adjust the legs so they contact the floor firmly.

✎ If the right side is lower, perform the same procedure, but with the right control lever.

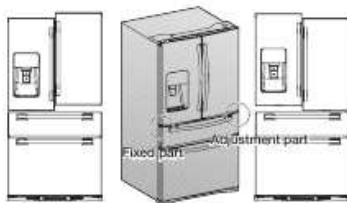
✎ It is difficult to remove the front leg cover from the refrigerator, so we do not recommend making small adjustments with the control lever. Instead, refer to the next page for the best way to make minor adjustments to the doors.

SETTING UP



MAKING MINOR ADJUSTMENTS TO THE DOORS



A leveled refrigerator is necessary for getting the doors perfectly even.

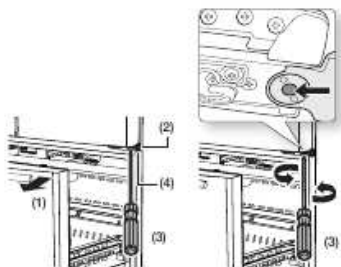
For leveling instructions, review the previous section on leveling the refrigerator.



 The left door is fixed. To make minor door adjustments, adjust only the right door.

1. Pull out the flex door (**1**) to reveal the lower hinge (**2**).
2. Insert a philips screwdriver (+) (**3**) into the shaft (**4**) of the lower hinge.
3. Adjust the height by turning a philips screwdriver (+) (**3**) clockwise () or counterclockwise ().

 When you turn a philips screwdriver (+) counterclockwise (), the door will move up.



INSTALLING THE WATER DISPENSER LINE

A water dispenser with a filter is one of the helpful features on your new refrigerator.

To help promote better health, the water filter removes unwanted particles from your water. However, it does not sterilize the water or destroy microorganisms.


You may need to purchase a water purifying system to do that.

The water line also connects to the ice maker. For the ice maker to operate properly, water pressure of 20 - 125 psi (138 - 862 kPa) is required.

If the refrigerator is installed in an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.

After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled.

To do this, press the water dispenser lever until the water runs from the water outlet.

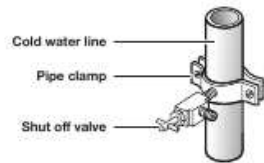
 Water line installation kits are available at extra cost from your dealer. We recommend using a water line installation kit that contains copper tubing and a 1/4" compression nut.

Connecting to the water supply line

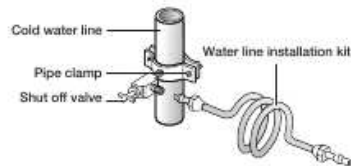
1. First, shut off the main water supply.



2. Locate the nearest cold water drinking line and install the pipe clamp and shut off valve.



3. Connect the water line installation kit to the shut off valve.



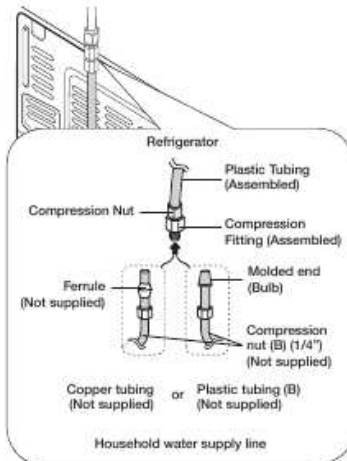
⚠ CAUTION

The water line must be connected to the cold water pipe. If it is connected to the hot water pipes, it may cause the filter to malfunction.

Connecting the water supply line to the refrigerator

There are several items that you need to purchase to complete this connection. You may find these items sold as a kit at your local hardware store.

Use Copper Tubing	Use Plastic Tubing
<ul style="list-style-type: none"> • 1/8" copper tubing • 1/4" compression nut (1pc) • Ferrule (2pc) 	<ul style="list-style-type: none"> • 1/8" plastic tubing → Molded end (Bulb) • 1/8" compression nut (1pc)




SETTING UP


1. Connect the household water line to the assembled compression fitting.
 - If you are using copper tubing, slip the compression nut (**B**) (not supplied) and ferrule (not supplied) on the copper tubing (not supplied) as shown.
 - If you are using plastic tubing (**B**), insert the molded end (Bulb) of the plastic tubing (**B**) into the compression fitting.

CAUTION

Do not use without the molded end (Bulb) of the plastic tubing (**B**).

2. Tighten the compression nut (**B**) onto the compression fitting.
Do not over-tighten the compression nut (**B**).
3. Turn the water on and check for leaks.
If you find water drops or leaks in the connection areas, turn off the main water supply. Check the connections and, if necessary, tighten.
4. Flush 1 gallon of water through the filter before drinking or using the water from the refrigerator. (Flush approximately 6 minutes.)
To flush, press a large glass or cup against the water dispenser lever.
Fill the glass, empty it into the kitchen sink after it is filled, and then repeat.
5. After you turn on the refrigerator, let the ice maker make ice for 1 to 2 days.
Over that period of time, throw out the first 1 or 2 buckets of ice the freezer makes to ensure all impurities have been removed from the water line.

-  Only connect the water line to a drinkable water source.
- If you have to repair or disassemble the water line, cut off 1/4" of the plastic tubing to make sure you get a snug, leak-free connection.

-  You can test the water line quickly using a paper cup. Under normal conditions, the water dispenser can fill a 5.75 oz. (170 cc) cup in about 10 seconds.
- The Samsung Warranty does not cover WATER LINE INSTALLATION.
- Water line installation is performed for an additional fee unless the retail price includes installation cost.
- We strongly recommend that you contact a plumber or authorized Installer to install the water line.
- If water leakage occurs due to improper installation, contact the installer.

Installing a SodaStream 60 L CO₂ Carbonator

To use the Sparkling Water feature on your refrigerator, you need to install a SodaStream 60 L CO₂ Carbonator.

You can pick up the SodaStream 60 L CO₂ Carbonator at retailer near you and your first Sodastream CO₂ Carbonator is free. (For further information, please visit "www.sodastream.com/samsung")

Purchasing SodaStream 60 L CO₂ Carbonators

- Purchase SodaStream 60 L Carbonators at the nearest Sodastream retailer or on line. Visit www.sodastream.com for more information.
- USE ONLY SODASTREAM 60 L CARBONATORS. SAMSUNG and SODASTREAM are not legally responsible for any damage, including, but not limited to, property damage caused by gas leakage from the use of generic carbonators (or CO₂ cylinders). The sparkling water system in your SAMSUNG refrigerator is designed to work ONLY WITH SODASTREAM 60 L CARBONATORS.
- We suggest buying extra Carbonators for later use. Store extra Carbonators in a cool, open space, well out of the reach of children. Do not store Carbonators in the refrigerator.



If sparkling water is produced when the internal refrigerator temperature or the temperature of the SodaStream Carbonator is high, you may hear a "horn sound". When you turn on your refrigerator for the first time, wait at least two hours before running the sparkling water production function.

When you purchase a new SodaStream Carbonator, be sure to store it in a cool, dry place until you are ready to install it (23 - 68 °F (-5 - 20 °C)).

If the SodaStream Carbonator is stored in higher temperatures, it may build up extra internal pressure, which could create a "horn sound" when the refrigerator produces sparkling water.


Water Line Hookup

- Make sure that you have connected the refrigerator to a water line before installing the Carbonator.

Installing a SodaStream Carbonator in the Refrigerator

To install a new SodaStream 60 L Carbonator in the refrigerator, follow these steps:

<p>1. Open the SodaStream Carbonator cover.</p> <ul style="list-style-type: none"> The sparkling water maker is turned off by default. Since the sparkling water maker is turned off, the "OFF" icon on the display is turned on. <p>- Refer to Page 38 : Turning Off the Sparkling Water Function.</p>	
<p>2. Attach the SodaStream 60 L Carbonator to the Regulator, and then rotate it clockwise.</p> <ul style="list-style-type: none"> You must use a SodaStream™ CO₂ cylinder (60 L). Replacement SodaStream cylinders are available for easy exchange or refill at local SodaStream retailers. To return used Carbonators in the USA and Canada, wrap the used cylinder, and then give it to the person who delivers new Carbonators. In Australia and New Zealand, return empty Carbonators to the service or information counter at your local retailer for exchange/refill. <p> All costs associated with the refill or exchange of SodaStream Carbonators are the responsibility of the refrigerator owner.</p> <p> The thread on the connector of the SodaStream Carbonators differs by country.</p> 	
<p>3. Push the SodaStream 60 L Carbonator into the Support.</p>	
<p>4. Lock the SodaStream 60 L Carbonator into place by pressing the lever.</p> <ul style="list-style-type: none"> The inner pressure of the Carbonator may make it difficult to press the lever down. Hold the lever as shown in the illustration on the right, and then push down. If you don't lock the Carbonator into place, the refrigerator won't produce sparkling water. If the Carbonator is not tightly connected to the Regulator, it will leak CO₂ gas, producing a hiss. <p>If this occurs, repeat Steps 2, 3, and 4, making sure that the Carbonator is firmly attached and locked into place.</p>	

5. The sparkling water concentration is set to '2' by default.
Press the "Sparkling Water" button to set the concentration to a desired level, and then press and hold the Quick Sparkling button for 3 seconds to activate the Fill Up function.
If the Sparkling Water function is deactivated, press and hold the Sparkling Water or Quick Sparkling button for 3 seconds to reactivate it.
Once the CO₂ cylinder is reset, sparkling water is produced.
- To produce sparkling water, the sparkling water tank is filled with water and CO₂ gas is injected according to the selected concentration.
 - To remove foreign substances that may exist in the sparkling water tank, discard the first quart of sparkling water.
 - The refrigerator will not dispense sparkling water while it is making sparkling water.
- When the numbers () next to the sparkling water icon stop blinking, you can dispense sparkling water.



- To uninstall a SodaStream Carbonator, follow steps #1 – #4 above in reverse order.


For more information about using the Sparkling Water function, see Using the Sparkling Water Function.

Completing the Set Up

Now that you have your new refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance.

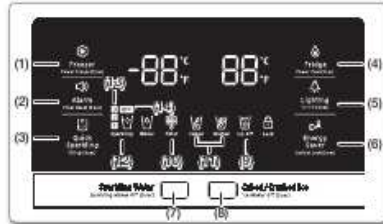
By completing the following steps, your refrigerator should be fully operational.

- Make sure your refrigerator is in an appropriate location with reasonable clearance between it and the wall. Refer to installation instructions in this manual.
- Once the refrigerator is plugged in, make sure the interior light comes on when you open the doors.
- Set the Temperature control to the coldest temperature and wait for an hour.
The freezer will get slightly chilled and the motor will run smoothly.
Reset the refrigerator and freezer to the temperatures you want.
- After you plug in the refrigerator, it takes a few hours to reach the appropriate temperature.
You can store food and drinks in the refrigerator after the temperature is sufficiently cool.

-  If condensation or water drops appears on both sides of fridge door's central part, turn the Energy Saver mode off after removing the condensation.
(See the explanation of the Energy Saver button in "Using the control panel" on page 23.)

Operating your French Door Refrigerator

USING THE CONTROL PANEL



(1) Freezer (Power Freezer (3 sec))

The Freezer button serves two purposes:

- To set the Freezer to your desired temperature.
- To turn the power freeze function on and off.

1) To set the Freezer temperature, touch the Freezer button repeatedly. Each time you touch the button, you change the temperature setting. You can set the temperature between 5 °F (-15 °C) and -8 °F (-23 °C).



2) Power Freeze function
Touch and hold this button for 3 seconds to decrease the time needed to freeze products in the Freezer.

The Power Freeze function can be helpful if you need to quickly freeze easily spoiled items or if the temperature in the freezer has warmed dramatically (For example, if the door was left open).

When you use this function, the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting.

If you need to freeze large amount of food stuff, activate Power Freeze function at least 20 hours before.

(2) Alarm (Filter Reset (3 sec))

The Alarm button serves two purposes:

- To turn the door open alarm on and off
- To reset the water filter life indicator.

1) Door Alarm Function

If the door alarm is set to On, an alarm beeps if any refrigerator door is left open for more than three minutes.

The beeping stops when you close the door. The door alarm function is pre-set to On in the factory.

You can turn it off by pressing and then releasing the Alarm button.

You can turn it back on in the same fashion. The icon lights up when the function is on.

When the Door Alarm function is on and the alarm sound is triggered, the Door Alarm icon will blink while the alarm sounds.

2) Water Filter Life Indicator Function

After you replace the water filter, touch and hold this button for 3 seconds to reset the water filter life indicator.

When you reset the water filter life indicator, the Filter icon on the panel turns Off.

The Filter icon will turn red to let you know it is time to change the water filter after six months (which usually entails about 300 gallons of water usage).

Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly.


If this is the case in your area, you will have to change the filter more frequently than every six months.

(3) Quick Sparkling (Fill up (3 sec))

The Quick Sparkling button serves two purposes:

- To produce sparkling water rapidly.
- To active the Fill Up function.

1) Quick Sparkling Function

When you touch the Quick Sparkling button, the () icon lights and the refrigerator makes sparkling water rapidly at the level indicated by the Sparkling Level icon.

If there is no sparkling water in the Sparkling Water tank, the refrigerator will begin making sparkling water immediately.

If there is sparkling water in the tank, the refrigerator applies the Quick Sparkling function the next time it makes sparkling water.



2) Fill Up Function

When you replace the SodaStream carbonator, press the 'Quick Sparkling/Fill up (3 sec)' button for 3 seconds to active the Fill Up function.

The refrigerator will fill the sparkling water tank with water and inject CO₂ gas into the water to make sparkling water.

The sparkling level of the water may differ from the set level, depending on the amount and CO₂ concentration of the sparkling water remaining in the tank.

If the tank is empty or the concentration is very low, the refrigerator will make sparkling water at the level indicated by the Sparkling Level icon.

If the sparkling level is not what you expected, select the desired sparkling water carbonation level (see page 24).

The next time the refrigerator makes sparkling water, it will make it at the level you selected.

(4) Fridge (Power Cool (3 sec))

The Fridge button serves two purposes:

- To set the Fridge to your desired temperature.
- To turn the Power Cool function on and off.



1) To set the Fridge temperature, press the Fridge button repeatedly.

Each time you press the button, you change the temperature setting.

You can set the temperature between 44 °F (7 °C) and 34 °F (1 °C).

2) Power Cool function

Touch and hold this button for 3 seconds to decrease the time needed to cool products in the Refrigerator.

It can be helpful if you need to quickly cool easily spoiled items or if the temperature in the fridge has warmed dramatically (for example, if the door was left open).

(5) Lighting (°C ↔ °F (3 sec))

Lighting button serves two purposes:

- To turn the dispenser light on and off
- To switch the temperature units between °C and °F



1) Light Function

Touching the Lighting button turns on the Dispenser LED lamp in continuous mode so that it stays on continuously.

The button also lights up.

If you want the Dispenser lamp to come on only when someone uses the dispenser, press the Lighting button to turn the continuous mode off.

2) To switch the temperature units between °C and °F

Touch and hold this button for 3 seconds to select the temperature display you want.

Each time you press and hold the button, the °C and °F temperature modes alternate and the °C or °F icon lights up, indicating your selection.

(6) Energy Saver (Control Lock (3 sec))

Energy Saver button serves two purposes:

- To turn the Energy Saver mode on and off
- To turn the Control Lock function on and off.



1) Energy Saver Function

When you turn Energy Saver on, the Energy Saver icon lights.

Turn Energy Saver off and the icon goes off. The Energy Saver function is set to ON in the factory.

If condensation or water drops appear on the doors, turn the Energy Saver mode off.

2) Control Lock Function

Touch and hold this button for 3 seconds to lock the display, the Flex Zone panel, and the dispenser buttons so the buttons can not be used.

When Control Lock is on, the refrigerator does not dispense ice, water, or sparkling water, even if the Dispenser Lever is pressed.

The Control Lock icon lights up to indicate you've activated the Control Lock function. Press 3 seconds to unlock.

**(7) Sparkling Water
(Sparkling Maker Off (3 sec))**

The Sparkling Water button serves three purposes :

- To dispense sparkling (carbonated) water.
- To select the carbonation level of the sparkling water.
- To turn the Sparkling Water Production Function on and off.

1) To dispense sparkling (carbonated) water.
To dispense sparkling water, press the Sparkling Water button.
When you press the Sparkling Water button while either Cubed Ice or Crushed Ice is selected, the Sparkling icon will turn on. When there is no sparkling water left or the refrigerator is making sparkling water, the dispenser does not dispense sparkling water.

2) To select the carbonation level of the sparkling water.
When you press the Sparkling Water button while the Sparkling Water icon is turned on, the Carbonation Level will change as follows;
Medium (Level-2) → Strong (Level-3) → Weak (Level-1) → Medium (Level-2).
The next time the refrigerator makes sparkling water, it applies the new Carbonation Level.

- If there is previously produced sparkling water inside the Sparkling Water tank, the refrigerator dispenses sparkling water with the previous carbonation level.
(Changes in the carbonation level do not take effect until the next time the refrigerator makes sparkling water.)
- While the refrigerator is producing sparkling water, the Carbonation Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.).
If you press the Sparkling Water button when the refrigerator is making sparkling water, the current carbonation level is displayed for several seconds, and then the Carbonation Level icon light rotation begins again.
If you press the Sparkling Water button again while the current carbonation level is being displayed, the carbonation level changes.
The change in the carbonation level will take effect the next time the refrigerator makes sparkling water.

3) Sparkling Water Production Function On / Off
Each time you press this button for 3 seconds, you turn the Sparkling Water Production function on or off.

When you turn on the Sparkling Water Production function, the refrigerator begins to make sparkling (carbonated) water.

(If you turn off the Sparkling Water Production function a few seconds after turning it on, sparkling water production will terminate.

If more than a few seconds pass, the refrigerator will start producing sparkling water. While the refrigerator is producing sparkling water, it won't dispense sparkling water.)

When you turn off the Sparkling Water Production function, the "OFF" icon on the Display Panel turns on.

When you turn on the Sparkling Water Production function, the "OFF" icon on the Display Panel turns off.

When the Sparkling Water Production function is off, the refrigerator does not make sparkling water.

If you turn off the function when the refrigerator is in the middle of making sparkling water, it halts the function after finishing the current operation.

Your refrigerator was manufactured with the Sparkling Water Production function set to "OFF".




When you are connecting the water lines, or mounting or replacing the CO₂ Cylinder, turn off the Sparkling Water Production function before you begin.

Turn on the function only after you have completed the work.

To produce sparkling water, you must install a CO₂ Cylinder.

For instructions, see "Installing a SodaStream Carbonator in the Refrigerator" on page 20.

(8) Cubed / Crushed Ice (Ice Maker Off (3 sec))
<p>The Cubed/Crushed Ice button serves two purposes:</p> <ul style="list-style-type: none"> - To select the type of ice you want dispensed. - To turn the ice maker on and off. <p>1) Cubed / Crushed Function To Select the type of ice. Press the Cubed/Crushed Ice button to select the type of ice you want dispensed. Each time you press the button, the cubed and crushed ice modes alternate and the Cubed or Crushed ice icon lights up, indicating your selection.</p> <p>2) Ice Maker Off function If you don't want to make more ice, Touch and hold this button for 3 seconds.</p>

(9) Ice Off Icon
<p>If you don't want to make more ice, Touch and hold the Ice Maker Off button for 3 seconds. See (8) above. The icon lights and the Ice-Maker stops making ice.</p> <p> We recommend you stop ice making if the following occur:</p> <ul style="list-style-type: none"> - There is enough ice in the ice bucket. - You want to save water and energy. - Water is not being supplied to the refrigerator. <p> If the ice maker function is ON, and the water line is not connected, there will be a water valve noise from the back of the unit. If this occurs, press the Ice Maker Off button for more than 3 seconds until the Ice Off icon () illuminates.</p>


To save electricity, the Panel Display turns off automatically under the following conditions:
When no button has been pressed, when no doors are open, or when no Dispenser Lever has been pushed.



However, the icon indicating your cubed or crushed ice selection, or sparkling water selection, will stay on.

When you press a button, open a door, or push a Dispenser Lever, the Panel Display will turn on again.

All function keys will become operational after you remove your finger from the button you pressed.

OPERATING

(10) Water Filter Icon
<p>This icon lights up when you need to change the filter, usually after the refrigerator has dispensed about 300 gallons of water (after about 6 months). The icon will blink red for several seconds when you open or close the door. After you install the new water filter, reset the filter indicator by touching and holding the Hold 3sec for Filter Reset button for 3 seconds.</p> <p> - If water is not dispensing or dispensing slowly, you need to replace the water filter because the water filter is clogged.</p> <ul style="list-style-type: none"> - Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly.

(11) Cubed / Crushed Icons
<p> Press the Cubed/Crushed Ice button to select the type of ice you want dispensed. Each time you press the button, the cubed and crushed ice modes alternate and the Cubed or Crushed ice icon lights up, indicating your selection.</p> <p> Crushed</p>

(12) Sparkling Icon



When you press the Sparkling Water button (Button 7), the Sparkling Water Icon goes on.

(13) Sparkling Water Production Level Icons

The Sparkling Water Production Level icons display the currently set Carbonation Level. When you press the Sparkling Water button while the Sparkling Water icon is turned on, the Carbonation Level will change as follows; Medium (Level-2) → Strong (Level-3) → Weak (Level-1) → Medium (Level-2).

- If there is previously produced sparkling water inside the Sparkling Water tank, the refrigerator dispenses sparkling water with the previous Carbonation Level. (Changes in the Carbonation Level do not take effect until the next time the refrigerator makes sparkling water.)

3
2
1

- While the refrigerator is producing sparkling water, the Carbonation Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.).

If you press the Sparkling Water button when the refrigerator is making sparkling water, the current carbonation level is displayed for several seconds, and then the Carbonation Level icon light rotation begins again.

If you press the Sparkling Water button again while the current carbonation level is being displayed, the carbonation level changes. The change in the carbonation level will take effect the next time the refrigerator makes sparkling water.

- If you change the carbonation level when the refrigerator is making sparkling water, the refrigerator produces sparkling water at the previous carbonation level.

(14) Sparkling Water Off Icon

Each time you press Sparkling Water button (button 7) for 3 seconds, you turn the Sparkling Water Production function on or off. When you turn off the Sparkling Water Production function the Sparkling Water Off icon on the Display Panel turns on. When you turn on the Sparkling Water Production function, the Off icon on the Display Panel turns off.

OFF



If a water leak is detected in the Sparkling Water Production Module, the Off icon blinks, the refrigerator stops dispensing and producing sparkling water, and the Sparkling Water Production function automatically switches to OFF. In addition, the Sparkling Water Production function will not turn on, even if you press the Quick Sparkling button or Sparkling Water button for 3 seconds.

CHANGING THE WATER FILTER

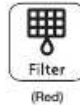
⚠ WARNING

To reduce the risk water damage to your property DO NOT use generic brands of water filters in your SAMSUNG Refrigerator.

USE ONLY SAMSUNG BRAND WATER FILTERS.

SAMSUNG is not legally responsible for any damage, including, but not limited to, property damage caused by water leakage from the use of a generic water filter.

SAMSUNG Refrigerators are designed to work ONLY WITH SAMSUNG Water Filters. The Filter light turns red to let you know when it is time to change your water filter cartridge. To give you time to get a new filter, the red light comes on just before the capacity of the current filter runs out. Changing the filter on time provides you with the freshest, cleanest water from your refrigerator.



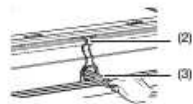
To Change the Water Filter

1. Shut off the water supply. Then, turn the water filter (1) about 1/4 turn, counter-clockwise.

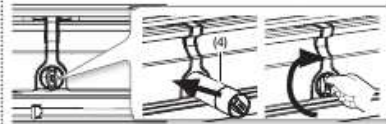


2. Pull the water filter (1) from the case filter (2).

- To change the water filter more easily, shut off the water supply valve.
- Sometimes, it is hard to disassemble the water filter because impurities in the water cause it to stick. If you are having difficulties, grip the water filter firmly and pull it hard.
- When you pull the water filter, a little water can leak from the opening. This is normal. To minimize the water leaks, keep the filter cartridge horizontal when you pull it.
- To prevent overflow, empty the water filter tray (3) and dry around the filter case (2).

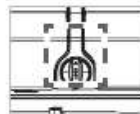


3. Insert the new filter into the filter case (4).



4. Push the filter, and then turn it clockwise until it locks.

- If you have trouble inserting the water filter because of high water pressure, shut off the water supply valve.




- The locked symbol should be lined up with the indicator line.

OPERATING

5. Touch the **"Alarm/Filter Reset (3 sec)"** button () for about 3 seconds to reset the water filter. The color of the indicator () changes from red to off.


6. If you turned off the water supply, turn it back on.

 For a replacement water filter, you can visit your local home improvement center or contact the Samsung Parts distributor. To order more water filter cartridges, contact your authorized Samsung dealer. Be sure the replacement water filter has the SAMSUNG logo on the box and on the water filter.

Removing any residual matter inside the water supply line after installing the water filter.

1. Turn ON the main water supply if you turned it off when you installed the water filter.
2. Run water through the dispenser until the water runs clear (approx. 6 to 7 minutes). This will clean the water supply system and remove air from the lines.
3. Additional flushing may be required in some households.
4. Open the Refrigerator door and make sure there are no water leaks coming from the water filter.



 Be sure to flush the dispenser thoroughly, otherwise water may drip from the dispenser. This means that there is still air in the line.

Reverse Osmosis Water Supply IMPORTANT:

The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 35 and 120 psi (241 and 827 kPa).

If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa). If the water pressure to the reverse osmosis system is less than 40 to 60 psi (276 to 414 kPa):

- Check to see whether the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system. Remove the water filter.

If you have questions about your water pressure, call a licensed, qualified plumber.

CONTROLLING THE TEMPERATURE

Recommended freezer and refrigerator compartment temperatures

The recommended temperatures for the Freezer and Fridge compartments are 0 °F (-19 °C) and 37 °F (3 °C) respectively.

If the temperature in the Freezer or Fridge compartments is too high or low, adjust the temperature manually.

Controlling the Freezer temperature



Recommend Temp (Freezer) : 66 °F (-19 °C)

The Freezer temperature can be set between -8 °F and 5 °F (or between -23 °C and -15 °C) to suit your particular needs.

Press the Freezer button repeatedly until the desired temperature is shown in the temperature display.

The temperature will change by 1 °C (or 1 °F) with each press. See below.

Fahrenheit : 0 °F → -1 °F → -2 °F → -3 °F → -4 °F → -5 °F → -6 °F → -7 °F → -8 °F → 5 °F → 4 °F → 3 °F → 2 °F → 1 °F → 0 °F.

Centigrade : -19 °C → -20 °C → -21 °C → -22 °C → -23 °C → -15 °C → -16 °C → -17 °C → -18 °C → -19 °C.

Keep in mind that foods such as ice cream may melt at 4 °F (or -15.5 °C).

The temperature display will move sequentially from -8 °F to 5 °F (or from -23 °C to -15 °C).

Controlling the fridge temperature



Recommend Temp (Fridge) : 37 °F (3 °C)

The fridge temperature can be set between 34 °F (1 °C) and 45 °F (7 °C) to suit your particular needs.

Press the Fridge button repeatedly until the desired temperature is shown in the temperature display.

The temperature will change by 1 °C with each press. See below.

Fahrenheit : 37 °F → 36 °F → 34 °F → 47 °F → 43 °F → 41 °F → 39 °F.

Centigrade : 3 °C → 2 °C → 1 °C → 7 °C → 6 °C → 5 °C → 4 °C → 3 °C.


The temperature control process for the Fridge works just like the Freezer process.

Press the Fridge button to set your desired temperature.

After a few seconds, the Fridge will begin adjusting towards the newly set temperature.

This will be reflected in the digital display.

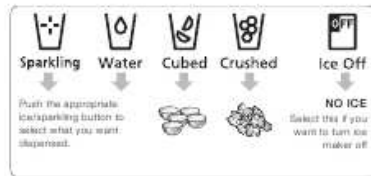
OPERATING

 - The temperature of the Freezer or Fridge may rise when you open the doors too frequently, or if a large amount of warm or hot food is placed inside.

- A rise in temperature may cause the digital display to blink. Once the Freezer and Fridge temperatures return to their normal set temperatures, the blinking will stop.
- If the blinking continues, you may need to "reset" the Refrigerator. Try unplugging the appliance, waiting for around 10 minutes and then plugging the power cord back in.
- If there is a communication error between the Display and Main Controller, the Convertible Display light may blink. If the blinking continues for a long period of time, please contact a Samsung Electronics Service Center.

USING THE COLD WATER AND ICE DISPENSERS

Push the appropriate ice/sparkling button to select what you want dispensed.




Using the ice lever (1)


Pressing the Ice/Sparkling lever dispenses ice or sparkling water. Press the Cubed/Crushed Ice button to select the type of ice or press the Sparkling Water button to select sparkling water. Push the Ice/Sparkling lever dispenser (1) gently with your glass. Ice or Sparkling will be released from the dispenser.



Using the Water lever (2)

Push the Water lever dispenser (2) gently with your glass. Water will be released from the dispenser.

 If you push the water and Ice lever at about the same time, the dispenser operates only the option you actually selected or pushed first.

 Please wait 1 second before removing the glass after dispensing water to prevent spills. Do not pull out the dispenser lever after dispensing ice or water. It comes back automatically.

Using the Ice & Water Dispenser together

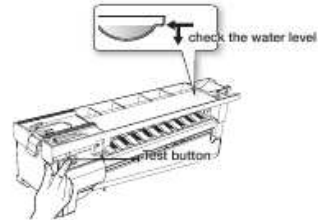
To get Ice and water, select the type of ice, then push the Ice/Sparkling lever (1) first for ice, and then move your glass down and press the water dispenser lever (2) for water.

Maintaining the Ice Bucket

- To clean the ice bin/bucket, wash with a mild detergent, rinse well, and dry thoroughly it. Do not use harsh or abrasive cleaners or solvents.
- Ice is made in cubes.
When you select "Crushed", the ice maker grinds the ice cubes into crushed ice.
- When you select Cubed Ice after using the Crushed Ice mode, a small amount of residual crushed ice might be produced.
- The ice cubes generated by the rapid ice making process will look white, which indicates they were generated normally.
- If you need a large amount of ice and the ice maker is making ice cubes quickly, move ice cubes from the refrigerator ice bin to the freezer ice bin to open up space in the refrigerator ice bin.
The ice maker will then make additional ice.
- If ice doesn't come out, pull out the ice bucket and press the test button located on the right side of ice maker.
See the illustration on the right.
- Do not press the test button continuously when the tray is filled with ice or water.
Water may overflow or ice may jam the bucket.

Making Ice

- To fill the ice bucket to maximum capacity after installation, follow these steps:
 1. Allow your refrigerator to operate and cool down for 24 hours (or 1 full day).
 - Waiting 24 hours will allow your ice maker to cool properly.
 2. Dispense 4 to 6 ice cubes into the glass.
 3. After 8, and then 16 hours, dispense a full glass of ice.
- To test the ice maker, press the Test button on the ice maker.
You will hear the refrigerator chime (ding-dong). When the chime sounds, release the Test button.
- The chime sounds automatically again to let you know the ice maker is working well.



OPERATING

⚠ CAUTION

If you want to remove a large number of ice cubes without removing the ice bucket, turn off the ice maker, remove the ice maker's front cover, and then carefully remove the ice cubes. Replace the ice maker's front cover when you are done. Note that the ice cubes in the ice maker can spill out over the drawer.

⚠ CAUTION

Do not put food in the ice bucket. If you store food in the ice bucket, the food can strike the ice maker when you open or close the door, causing damage to the ice maker.


⚠ CAUTION

Note that the ice cubes in the ice bucket may spill out over the drawer when you remove the ice bucket from the drawer.
If this occurs, be sure to pick up the ice cubes that spilled out of the drawer.

⚠ CAUTION

If a power failure occurs, ice cubes may melt, and then freeze together when the power comes back on, causing the dispenser to stop working.

To prevent this problem, after a power failure, pull out the ice bucket as shown above, and then discard the residual ice or water.

 If you use all the ice in the bucket at once, you must repeat ice making Steps 2 and 3 on the previous page.
However, only wait 8 hours before dispensing the first 4 to 6 ice cubes.
This will replenish the ice cubes and ensure maximum ice production.

Using the ice off Function


When you select the Ice Off mode, remove all ice cubes from the bucket.

If you leave the ice cubes in the bucket, the ice cubes may clump together, making it difficult to remove them.

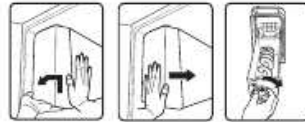
To remove the ice bucket safely and avoid injury, hold the bottom of the bucket with one hand and the side of the bucket with the other.

Then, lift up on the ice bucket, and pull it straight out.

To put the ice bucket back in, push it firmly straight back.

 If the ice bucket is not pushed firmly into place, ice in the bucket can melt.

If the bucket does not fit, turn the helix 90 degree (see the last illustration on the right, below) and try again.



⚠ CAUTION

- The inside of the ice bucket is very cold when the refrigerator is operating.
Do not reach deep inside the ice bucket.
- Use only the ice maker provided with the refrigerator. The water supply to this refrigerator must only be installed/connected by a suitably qualified person.
Connect to a potable water supply only.
- To operate the ice maker properly, water pressure of 20 – 125 psi is required.

Going on vacation...

If you have a long vacation or business trip and won't use the water or ice dispensers for a long time:

- Close the water valve.
Otherwise, water leakage may occur.
- Remove all food and ice in the ice bucket.
- Unplug the refrigerator.
- Wipe excess moisture from inside and leave the doors open.
Otherwise, odor and mold may develop.

Ice Maker Do's and Don'ts

- Do not put your fingers, hands, or any other unsuitable objects in the chute or ice-maker bucket.
- It may result in personal injury or material damage.
- Never put your finger or any other objects in the dispenser opening.
- It may cause injury.
- Do not try to disassemble the ice maker.
- Do not wash or spray the ice bucket with water while it is in the refrigerator.
Remove it to clean it.

CAUTION

When you insert the ice maker tray, be sure that the tray is well centered at the entrance.
Otherwise, the tray may get stuck.

Water clouding phenomenon



All water provided to the refrigerator flows through the core filter which is an alkaline water filter.

In the filtering process, the pressure of the water that has flowed out of the filter is increased, and the water becomes saturated with oxygen and nitrogen. When this water flows out into the air, the pressure plummets and the oxygen and nitrogen get supersaturated, which results in gas bubbles.

The water may temporarily look misty or cloudy due to these oxygen bubbles. After a few seconds, the water will look clear.

OPERATING

Using the Sparkling Water Function

With a Sodastream CO₂ cylinder installed, your refrigerator can make and dispense sparkling (carbonated) water.

Making Sparkling Water

Press and hold the Quick Sparkling button for 3 seconds to activate the Fill Up function.
 If the Sparkling Water function is deactivated, press and hold the Sparkling Water or Quick Sparkling button for 3 seconds to reactivate it.
 When you turn on the function, the Carbonation Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.) and, within a few seconds, the refrigerator begins to make sparkling water.
 When production is complete, the Carbonation Level icon rotation stops.

If you leave the Sparkling Water Production function on, and the amount of Sparkling Water becomes low, the refrigerator automatically enters the Sparkling Water production mode and makes more.
 However, if you turn off the Sparkling Water Production function, the refrigerator will not automatically make additional sparkling water, even if there is little sparkling water left in the Sparkling Water tank.



Press the Sparkling Water Button for 3 seconds



Press the Quick Sparkling Button for 3 seconds

Sparkling Water Production Time

Depending on the Carbonation (Sparkling) Level you set (See Controlling the Carbonation Level on page 35), the amount of time it takes the refrigerator to complete the sparkling water production process changes. The table below lists the production times by Carbonation Level.
 The refrigerator is pre-set at the factory to Level 2.

Carbonation Level	Level 3 - High	Level 2 -Mid	Level 1 -Low	Quick
Production Time	About 30 minutes	About 20 minutes	About 10 minutes	Less than 10 minutes
Available Capacity	1.16 quarts (1.1 l)	1.16 quarts (1.1 l)	1.16 quarts (1.1 l)	1.16 quarts (1.1 l)

Dispensing Sparkling Water

To dispense sparkling water, press the Sparkling Water button. Then, push the Ice/Sparkling Water lever gently with a glass. As time passes, the sparkling water dispensing speed can change.
 When the water tastes strongly carbonated, the dispensing speed can be faster.
 When the carbonation is weaker, the dispensing speed can slow.
 The dissolved CO₂ in the sparkling water can also cause the water to pop out when you dispense it.
 In addition, due to the pressure fluctuations in the Sparkling Water Tank, the water stream may shake or become intermittent.
 If you keep dispensing sparkling water, the water stream may become unstable or break up.
 This is caused by changes in pressure in the Sparkling Water Tank. It is not a defect.

Water Dripping

Some time after you have dispensed sparkling water, a few drops of sparkling water can escape from the dispenser. The water dripping is not a product defect, but a natural result of mixing CO₂ and water.

Controlling the Carbonation Level

When the Sparkling Water Icon is turned on, you can change the sparkling water's carbonation level by pressing the Sparkling Water button for 3 seconds.

Each time you press the Sparkling Water button, the carbonation level changes as follows: Medium (Level-2) → Strong (Level-3) → Weak (Level-1) → Medium (Level-2).

As you press the button, the small numbers on the right side of the button light up in succession, indicating the level change.

- If there is previously produced sparkling water inside the Sparkling Water tank, the refrigerator dispenses sparkling water with the previous carbonation level.
(Again, changes in the carbonation level do not take effect until the next time the refrigerator makes sparkling water. The change does not affect sparkling water that is already made.)
- While the refrigerator is producing sparkling water, the Sparkling Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.).
If you press the Sparkling Water button when the refrigerator is making sparkling water, the current carbonation level is displayed for several seconds.
If you press the Sparkling Water button again while the carbonation level is being displayed, the carbonation level changes. The change in the carbonation level will take effect the next time the refrigerator makes sparkling water.
- If you change the carbonation level when the refrigerator is making sparkling water, the refrigerator produces sparkling water at the previous carbonation level.



The Sparkling Level is set to Level 2 at the factory.

If the sparkling water tastes too strong or too weak, change the carbonation level.

Level 1 provides a milder carbonation, Level 3 a stronger carbonation.

- If there is a power interruption when the refrigerator is making sparkling water, the refrigerator may re-start the carbonation process when power returns and put too much carbonation into the water. If this occurs, we recommend throwing out the overly carbonated water and starting the process again.
- The lifetime of the CO₂ cylinder can vary, depending on the Sparkling Levels you choose.

Turning Off the Sparkling Water Function

To turn off the Sparkling Water function, press the Sparkling Water button for 3 seconds.

Any sparkling water remaining in the Sparkling Water tank after you have turned off the Sparkling Water function can still be dispensed. If you turn off the function when the refrigerator is in the middle of making sparkling water, it halts the function after finishing the current operation.



Press for 3 seconds

How to set the Quick Sparkling option

Quick Sparkling reduces the processing time for making sparkling water.



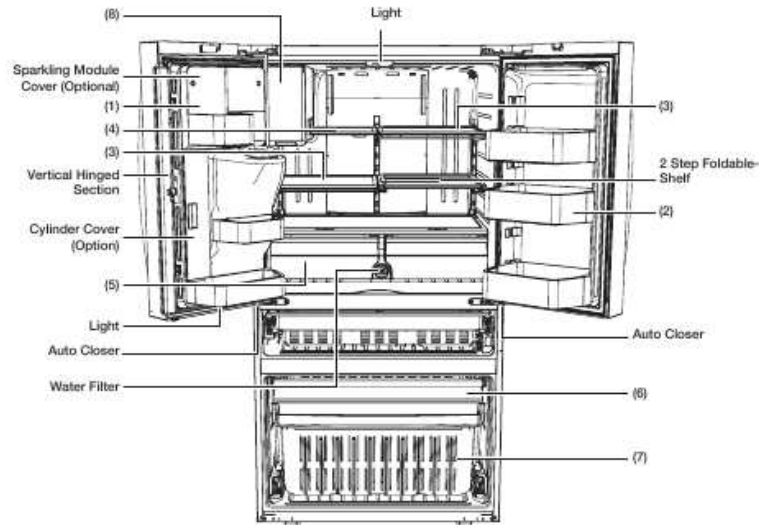
The Quick Sparkling function can produce sparkling water with a high sparkling level in 3 to 10 minutes, regardless of the selected concentration.

- If the refrigerator is not currently making sparkling water, turning on the Quick Sparkling function will reduce the processing time the next time the refrigerator makes sparkling water. When the refrigerator finishes making sparkling water, the Quick Sparkling function turns off automatically.
- If the refrigerator is currently making sparkling water, turning on the Quick Sparkling function will reduce the processing time. When the refrigerator finishes making sparkling water, the Quick Sparkling function turns off automatically.
- To cancel the Quick Sparkling function while the refrigerator is making sparkling water, press the Quick Sparkling button again within 10 seconds.
- After 10 seconds, the Quick Sparkling function will remain active even if the corresponding indicator turns off.


The Quick Sparkling function repeatedly injects and discharges CO₂ gas. This can cause a noticeable noise. Quick Sparkling consumes approximately 35% more CO₂ gas than Sparkling Level 3.


PARTS AND FEATURES


Review the illustration below to become more familiar with the parts and features of your refrigerator.



OPERATING

 When closing the door, make sure the Vertical Hinged Section is in the correct position to avoid scratching the other door.
 If the Vertical Hinged Section is reversed, put it back to the right position, and then close the door.
 Moisture may appear at times on the Vertical Hinged Section.
 The door handle may become loose over time. If this happens, tighten the bolts found on the inside of the door.
 If you close one door with too much force, the other door may open.

 When the door opens, the interlock switch automatically turns off the auger motor in the ice maker for safety reasons.

 if the interior or exterior LED lamp has gone out, please contact your service agent.

CAUTION

When you open the door, you might hear the sound of sloshing water because the Sparkling Water Tank is inside the door.

(1) Sparkling Water Tank (Optional)

Use the Sparkling Water Tank function, and enjoy the sparkling water directly from the tank any time you want.

(2) Door Bins

Designed to handle large, bulky items such as gallons of milk or other large bottles and containers.

(3) Slide-Shelf

Makes it easier to take out food.

(4) Foldable-Shelf

The shelf functions as a full depth shelf or can be tucked in to accommodate taller containers.

(5) Vegetable & Fruit Drawers

Used to preserve the freshness of your stored vegetables and fruits.

(6) Auto Pull Out Drawer

Best used to store meats or dry foods. Stored food should be placed in a container or wrapped securely using foil or other suitable wrapping materials.

(7) Freezer Drawer Bin

Best used to store meats or dry foods. Stored food should be wrapped securely using foil or other suitable wrapping materials or containers.

(8) FF Ice Maker

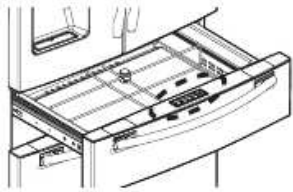
Makes ice conveniently and continuously so you can have ice when you need it.

USING FLEX ZONE

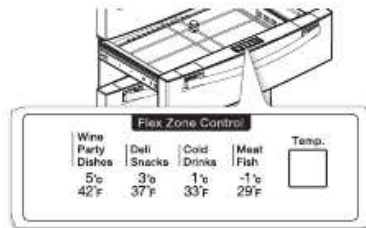
The Flex Zone is a full-width drawer with an adjustable temperature control. You can use the Flex Zone for large party trays, deli items, wines, pizzas, beverages, or miscellaneous items.

There is a temperature sensor which lets you adjust the amount of cold air allowed into the Zone.

The control buttons are located on the cap door center.



Temperature Selection Button




- Press the Temp. button repeatedly until your desired mode is lit.
- Each time you press the Temp. button, you change the mode in this order : Meat/Fish mode (29 °F or -1 °C), Cold Drinks mode (33 °F or 1 °C), Deli/Snack mode (37 °F or 3 °C), Wine/Party Dishes mode (42 °F or 5 °C). Initially, the Cold Drinks mode is selected. The refrigerator will adjust the temperature in the Flex Zone automatically to the temperature you selected.
- The Flex Zone Temp. Display may change depending on the number of items inside, where they are located, the ambient temperature, and how often the door is opened.

1. When **"Wine/Party Dishes"** is selected, the temperature of the Flex Zone will be kept around 42 °F or 5 °C. This feature helps keep food fresh for a long time.
2. When **"Deli/Snack"** is selected, the temperature of the Flex Zone will be kept around 37 °F or 3 °C. This feature helps keep food fresh for a longer time.
3. When **"Cold Drink"** is selected, the temperature of the Flex Zone will be kept around 33 °F or 1 °C. This feature helps keep drinks cold and refreshing.
4. When **"Meat/Fish"** is selected, the temperature of the Flex Zone will be kept around 29 °F or -1 °C. This feature helps keep meat or fish fresh for a longer time.

OPERATING

Examples of food items you can store in the Flex Zone by temperature setting.

Wine Party Dishes	Deil Snacks	Cold Drinks	Meat Fish
• wine	• pineapples	• bottled water	• steaks
• cocktails	• lemons	• juice	• cold cuts
• cakes	• biscuits	• soft drinks	• bacon
• cheeses	• potatoes	• beer	• chili dogs

 Fruit and vegetables may be damaged if stored under the "Meat Fish" setting. Do not store lettuce or other leafy produce in the Flex Zone.

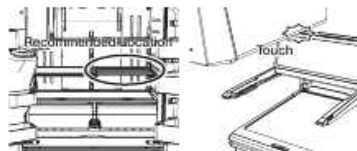
CAUTION

Do not store glass bottles in the Flex Zone under the "Cold Drinks" or "Meat/Fish" setting. If they are frozen, they can break and cause personal injury.

RECOMMENDED LOCATION FOR THE FOLDABLE SHELF

The Foldable Shelf folds up from the center, giving you more storage area for tall items without your having to re-arrange the shelves.

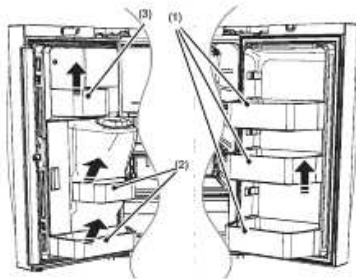
- Install the Foldable Shelf on the right side of the refrigerator.
- If you install the Foldable Shelf on the left side, the ice maker will prevent the shelf from folding completely.
- To use, push the front portion of the shelf back gently so that the shelf folds up from the middle.



REMOVING THE REFRIGERATOR ACCESSORIES

1. Door Bins

- Door Bins (1)
 - To remove : Simply lift the bin up and pull straight out.
 - To relocate : Slide it in above the desired location and push down until it stops.
- Door Bins (2)
 - To remove : Take the right side of the bin out by lifting it at an angle along the guide, and then take the left side out by pulling it from the door.
 - To relocate : Slide it into the original location and push down until it sticks.
- Sparkling Water model door bins (2)
 - To remove : Take the right side of the bin out by lifting it at an angle along the guide, and then take the left side out by pulling it from the door.
 - To relocate : Align the positions of the Door Bin's holes carefully, and then slide the bin in above the desired location and push down until it stops.
 - When removing and re-assembling the Bottom Door Bin of the Sparkling Water model, open the Cylinder Cover and tilt the Cylinder towards the front first.



- Sparkling Water model door bins (3). Do not remove Sparkling Water model door bin (3). To clean, wipe it completely with a clean cloth without removing it.

⚠ CAUTION

Do not remove door bins (3). Do not adjust a bin full of food. Remove the food first. To remove dust from the bins, remove the guard and wash in water.

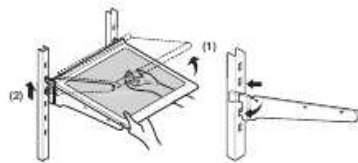
⚠ CAUTION

Injuries can occur if large bottles in the bottom door bins fall over when you open the doors. Open the doors carefully.

- ⚠ Injuries can occur if the door bins are not firmly connected to the doors. Do not allow children to play with the bins. Sharp corners of the bins may cause injury.

2. Tempered Glass shelves

- To remove : Tilt up the front of the shelf in the direction shown (1) and lift it up vertically (2). Pull the shelf out.
- To re-install : Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height. Then lower the front of the shelf so that the hooks can drop into the slots.

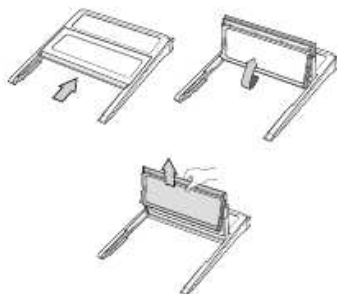


⚠ CAUTION

The Tempered Glass shelves are heavy. Use special care when removing them.

3. Foldable Shelf

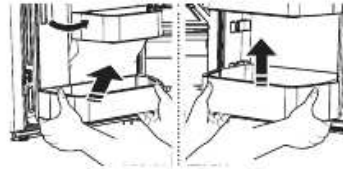
- To remove : After removing the Shelf Front, lift up the Shelf and remove it.
- To re-install : Hook the Shelf on the Angle Frame and re-attach the Shelf Front to the Foldable Shelf.



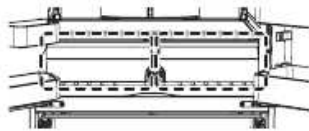
OPERATING

⚠ CAUTION

After sliding the foldable shelf in and folding it, the Shelf Front can be removed for your convenience. If you use the self without removing the Shelf Front, be careful. The Shelf Front can separate from the rest of the shelf.



4. Vegetable & Fruit Drawers

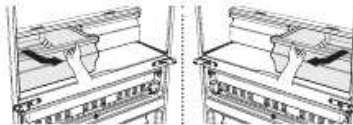


- Door Bins
 - Before removing the drawer, please remove the door bins first as shown below.
 - To remove : Simply lift the bin up and pull straight out.



- Sparkling Water Model Door Bins
 - To remove : Take the right side of the bin out by lifting it at an angle along the guide, and then take the left side out by pulling it from the door.
 - When removing and re-assembling the Bottom Door Bin of the Sparkling Water model, open the Carbonator Cover and tilt the Carbonator towards the front first.

- Tilt up the front of the drawer and pull it straight out. Then, move the drawer slightly in the direction of the arrow and pull it out of the refrigerator. See the illustration below.



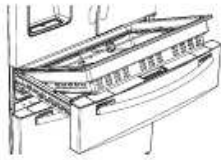
- **To re-install**
 - Insert the drawer into the frame rails, and push it back into place.
 - Slide each bin in above the desired location, and then push down until it stops.

⚠ CAUTION

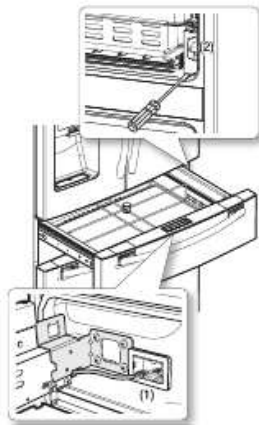
The drawers need to be removed before the glass shelf above them can be lifted out.

5. Flex Zone

- **To remove the Flex Zone** : Pull the Flex door out to full extension. Then, lift the Flex Zone up, pulling it to your body with both hands.
- **To re-install the Flex Zone** : Open the Flex door to full extension. Tilt the front of the Flex Zone up, place the back of the Flex Zone onto the rails, and then lower the front until the whole Zone rests on the rails.



If the Flex Zone or LED lighting is not working, check the connectors [(1), (2) shown below] for cracks or leaks.



1. Disassemble the Flex Door. Refer to to page 12 for disassembly instructions.
2. Open the cover rail cap with a flat-blade screw driver to examine the connectors.

Using the doors

Ensure that the doors close all the way and are securely sealed.

When the refrigerator door is only partially open, it will automatically close.

If the the door is opened more than its auto close range, it will remain open.

You must close it manually.

REMOVING THE FREEZER ACCESSORIES

1. Freezer Room Guard

- **To remove** : Remove the freezer room guard (1) by lifting the guard up.
- **To re-install** : Push down until the guard (1) locks into place.



2. Super Extended Drawer

- **To remove** : Pull the drawer out to full extension. Tilt up the rear of the drawer and lift straight out.
- **To re-install** : Place the drawer onto the rails (4) by tilting it up. Lower the drawer into place until it is horizontal and slide the Drawer (3) in.



3. Freezer Drawer

- **To remove the freezer drawer** : Pull the freezer drawer out fully. Tilt up the rear of the bin and lift it out to remove.
- **To re-install the freezer drawer** : Place the bin into the rail assembly.

⚠ CAUTION

You can scratch the side of the bin if you twist it left or right when disassembling or re-assembling it.

⚠ CAUTION

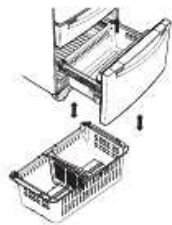
Do not allow babies or children go inside the freezer drawer. They could damage the refrigerator and seriously injure themselves.
Do not sit on the freezer door.
The door may break.
Do not allow children to climb into the freezer drawer.

⚠ CAUTION

Do not remove the divider.

⚠ CAUTION

If trapped inside, children may be injured or suffocate to death.



REPLACING A SODASTREAM CARBONATOR

If the carbonation level is abnormally low, this means the Carbonator is empty and needs to be replaced.

To replace a Carbonator, follow these steps:

Purchase SodaStream 60 L Carbonators at the nearest SodaStream retailer or on line.
Visit www.sodastream.com for more information.

1. Lift up the Lever holding the Carbonator in place.	
2. Pull the Carbonator out of the Support.	
3. Rotate the Carbonator counterclockwise to remove it from the Regulator.	
4. To install the new Carbonator, follow the directions for installing a Carbonator on page 20.	
5. Press and hold the Quick Sparking button for 3 seconds to activate the Fill Up function. If the Sparking Water function is deactivated, press and hold the Sparkling Water or Quick Sparking button for 3 seconds to reactivate it. • If you replace the Carbonator during Sparking Water Production (indicated by the Carbonation Level icons lighting in succession), wait until the refrigerator completes production before turning the Sparking Water Production function back on. Because you interrupted production, the sparkling water may be over carbonated. We recommend that you throw out the overly carbonated water.	

Sparkling Water: Operational Notes

- Be sure to use genuine SodaStream Cylinders from authorized resellers.



- The refrigerator starts making sparkling water about 10 seconds after you turn on the Sparkling Water Production function.
- If you open the refrigerator door while the refrigerator is making sparkling water, it will stop. When you close the door, it will resume making sparkling water in about a minute.
- If there is a power interruption when the refrigerator is making sparkling water, the refrigerator may re-start the carbonation process when power returns and put too much carbonation into the water. If this occurs, we recommend throwing out the overly carbonated water and starting the process again.
- If you keep dispensing sparkling water, the water stream may become unstable or break up. This is caused by changes in pressure in the Sparkling Water Tank. It is not a defect.
- If the water hose is kinked or water is not supplied properly, the Carbonation Level of the Sparkling Water will be high. This occurs because the the same amount of the carbon dioxide (CO₂) is dispensed by the Carbonator regardless of the amount of water in the Production Tank.
- The useful life of a SodaStream Carbonator will vary, depending on the level of carbonation you select.
- If the Sparkling Water function is on and you dispense about 1.16 quarts (1.1 L) of sparkling water, the refrigerator automatically begins making more sparkling water.
- If you are not going to be home for a long period of time, do not want to use the Sparkling Water function any more, or you are moving :
 1. Press the Sparkling Water button for three seconds to turn off the Sparkling Water function.
 2. Empty the Sparkling Water tank by dispensing all the water in the tank.
 3. Remove the SodaStream Carbonator.

⚠ CAUTION

Remove the SodaStream Carbonator from the compartment located in the left door of the refrigerator before you transport the refrigerator.




CLEANING THE REFRIGERATOR

Caring for your Samsung French Door Refrigerator prolongs its life and helps keep it free of odor and germs.

⚠ WARNING

Do not use benzene, thinner, Clorox, or car detergent to clean the refrigerator. They can damage the surface of the appliance and may cause a fire. Do not spray the refrigerator with water while it is plugged in. This can cause an electric shock. To clean the refrigerator, follow these steps:

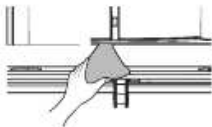
1. Unplug the power cord of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.

 Do not use any kind of detergent to clean the refrigerator because that can discolor or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.
4. Plug the power cord of the refrigerator back in.

Cleaning the Interior

Clean the inside walls and accessories with a mild detergent and then wipe dry with a soft cloth. You can remove the drawers and shelves for a more thorough cleaning. Just make sure to dry drawers and shelves before putting them back into place.



Cleaning the Exterior

Wipe the control panel and digital display with a damp, clean, soft cloth.

The doors, handles, and cabinet surfaces should be cleaned with a mild detergent and then wiped dry with a soft cloth.

To keep your appliance looking its best, polish the exterior once or twice a year.



⚠ CAUTION

Do not spray water directly on the refrigerator. Use a clean, damp cloth to clean.

⚠ CAUTION

You can erase the printed letters on the display if you apply stainless cleaner directly to the area where the letters are printed.



Cleaning the Ice / Water Dispenser

Push down one end of the tray dispenser and remove it.

Wipe the Ice / Water Dispenser with a clean, soft cloth.

⚠ CAUTION

When you dispense crushed ice from the dispenser, some residual ice chips may start to collect in the ice chute.

To prevent that residual ice from melting and running out of the chute, you should clean out the residual ice when you see it start to collect in the ice chute.



Cleaning the Rubber door seals

If the rubber door seals are dirty, the doors may not close properly, and the refrigerator will not operate efficiently.

Keep the door seals free of dust or stains by cleaning the doors using a mild detergent and damp cloth. Wipe dry with a clean, soft cloth.



⚠ CAUTION

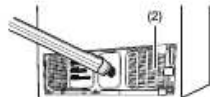
Do not clean the refrigerator with benzene, thinner, or car detergent. These substances could cause a fire.

Cleaning the rear side of the refrigerator

To keep cords and exposed parts free of dust and dirt accumulation, vacuum the rear side of the appliance once or twice a year.

⚠ CAUTION

Do not remove the back cover (1). You could suffer an electric shock.



FOOD STORAGE TIPS

Foods	Refrigerator	Freezer	Storage Tips
DAIRY PRODUCTS			
Butter	2-3 Weeks	6-9 Months	Wrap or cover tightly.
Milk	1-2 Weeks	Not recommended	Check date code. Most milk and similar products are sold in date-coded cartons that indicate a product's peak freshness. Re-seal with cap or wrap tightly. Do not return unused portions to original container.
Cream Cheese, cheese food, and cheese spread	2-4 Weeks	Not recommended	Check date code. Keep all cheese tightly packed in moisture proof wrap.
Hard Cheese (unopened)	3-4 Months	6 Months	
Hard Cheese (opened)	2 Months	Not recommended	
Cottage Cheese	10-15 Days	Not recommended	
Cream	7-10 Days	2 Months	Check date code. Most yogurt, creams, and similar products are sold in date-coded cartons that indicate a product's peak freshness. Re-seal or cover tightly. Do not return unused portions to original container.
Sour Cream	2 Weeks	Not recommended	
Cream Dips (opened)	1 Week	Not recommended	Check date code. Keep covered.
Yogurt	10-14 Days	Not recommended	
Frozen Yogurt	na	2 Months	
EGGS			
Eggs (uncooked)	3-4 Weeks	Not recommended	Check date code. Store eggs in coldest part of refrigerator and in their original container.
Eggs (cooked)	1 Week	Not recommended	Store in covered container
Leftover egg dishes	3-4 Days	Not recommended	Store in covered container
FRESH FRUITS			
Apples	1 Month	Not recommended	If storing in refrigerator, do not wash fruit before storing. Store in moisture resistant bags or containers. Wrap cut fruits. Some fruits darken when refrigerated.
Bananas	2-4 Days	Not recommended	
Peaches, Melons, Pears, Avocados	3-5 Days	Not recommended	
Berries and Cherries	2-3 Days	12 Months	
Apricots	3-5 Days	Not recommended	
Grapes	2-5 Days	na	
Pineapple (un-cut)	2-3 Days	Not recommended	
Pineapple (cut)	5-7 Days	6-12 Months	
Citrus	1-2 Weeks	Not recommended	Store uncovered.
Juice	6 Days	Not recommended	Check date code and re-seal in original container. Do not return unused portions to original container.
Frozen Juice	Thawing only	12 Months	Check date code. Do not re-freeze.

Foods	Refrigerator	Freezer	Storage Tips
FISH AND SHELLFISH			
Fish			
Fatty Fish (mackerel, trout, salmon)	1-2 Days	2-3 Months	Keep in original wrapper and store in coldest part of refrigerator. Package in vapor-proof and moisture proof wrap for freezing. Freeze at 0 °F (or -18 °C). Thaw in refrigerator or check date code. Freeze in original packaging.
Lean Fish (cod, flounder, etc)	1-2 Days	6 Months	
Frozen or Breaded	na.	3 Months	
Shellfish			
Shrimp (uncooked)	1-2 Days	12 Months	To freeze, package in vapor-proof and moisture-proof container.
Crab	3-5 Days	10 Months	
Cooked Fish or Shellfish	2-3 Days	3 Months	
MEAT			
Fresh, Uncooked			
Chops	2-4 Days	6-12 Months	Check date code for use. Store in coldest part of refrigerator in original packaging. Package in moisture-proof and vapor-proof container for freezing. Recommended refrigerator temperature 33 °F to 36 °F (or 1 °C to 2 °C) and freezer temperature 0 °F to 2 °F (or -18 °C to -16 °C)
Ground	1 Day	3-4 Months	
Roast	2-4 Days	6-12 Months	
Bacon	1-2 Weeks	1-2 Months	
Sausage	1-2 Days	1-2 Months	
Steak	2-4 Days	6-9 Months	
Poultry	1 Day	12 Months	
Lunch meat	3-5 Days	1 Month	
Cooked			
Meat	2-3 Days	2-3 Months	Check date code for use.
Poultry	2-3 Days	4-5 Months	Store in coldest part of refrigerator in original packaging.
Ham	1-2 weeks	1-2 Months	Package in moisture-proof and vapor-proof container for freezing.

Sources:

American Meat Institute Foundation. 1994. Yellow pages: answers to predictable questions consumers ask about meat and poultry. American Meat Institute Food Marketing Institute. 1999. The food keeper. Food Marketing Institute, Washington, D.C. Freeland-Graves, J.H. and G.C. Peckham. 1996. Foundations of food preparation, 6th ed. Prentice-Hall, Inc. Englewood Cliffs, NJ. Hillers, V.N. 1993. Storing foods at home. Washington State University Cooperative Extension, Pullman, WA. Publ. EB 1205.

National Restaurant Association. 2001. Be cool-chill out! Refrigerate promptly. National Restaurant Association Education Foundation/4s International Food Safety Council, Washington, D.C. USDA. 1997. Basics for handling food safety. U.S. Department of Agriculture, Food Safety and Inspection Service, Washington, D.C.

Troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	<ul style="list-style-type: none"> Check if the power plug is properly connected. Check if the set temperature on the digital display is warmer than the freezer or fridge inner temperature. If it is, set the refrigerator colder. Is the refrigerator in direct sunlight or located near a heat source? Is the back of the refrigerator too close to the wall, preventing proper ventilation?
The food in the fridge is frozen.	<ul style="list-style-type: none"> Check if the set temperature on the digital display is too low. Try setting the refrigerator to a warmer temperature. Is the temperature in the fridge too low? Set the refrigerator warmer. Did you store food with a high moisture content in the coldest part of the refrigerator? Try moving those items to the other shelves in the fridge instead of keeping them in the colder areas or bins.
You hear unusual noise or sounds.	<ul style="list-style-type: none"> Check if the refrigerator is level and stable. Is the back of the refrigerator too close to the wall, preventing proper ventilation? Try moving the back of the refrigerator at least 2 inches from the wall. Was anything dropped behind or under the refrigerator? if you hear a "ticking" sound from inside the refrigerator, this is normal. It occurs because various parts contract or expand in response to temperature changes in the refrigerator interior. if it sounds as if something is hitting something else inside the refrigerator, this is normal. The sound is caused by the compressor operating at high capacity.
The cabinet-door sealing area of the appliance is hot and condensation is occurring.	<ul style="list-style-type: none"> Some heat is normal as anti-condensators are installed in the vertical hinged section of the refrigerator to prevent condensation. Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
Ice Maker is not producing ice.	<ul style="list-style-type: none"> Did you wait for 12 hours after installation of the water supply line before making ice? Is the water line connected and the shut-off valve opened? Did you manually stop the ice making function? Is the freezer temperature too warm? Try setting the freezer temperature lower.

PROBLEM	SOLUTION
You can hear water bubbling in the refrigerator.	<ul style="list-style-type: none"> This is normal. The bubbling comes from refrigerant circulating through the refrigerator.
There is a bad smell in the refrigerator.	<ul style="list-style-type: none"> Check for spoiled food. Foods with strong odors (for example, fish) should be tightly covered. Clean out your freezer periodically and throw away any spoiled or suspicious food.
Frost forms on the walls of the freezer.	<ul style="list-style-type: none"> Is the air vent blocked? Remove any obstructions so air can circulate freely. Allow sufficient space between the stored foods for efficient air circulation. Is the freezer drawer closed properly?
Water dispenser is not functioning.	<ul style="list-style-type: none"> Is the water line connected and the shut-off valve open? Has the water supply line tubing been crushed or kinked? Make sure the tubing is free and clear of any obstruction. Is the water tank frozen because the fridge temperature is too low? Try selecting a warmer setting on the Digital display. Is the Control Lock on?
Auto close system does not work with the freezer door.	<ul style="list-style-type: none"> Is there an imbalance between the right and left parts of the door? Open and close the door smoothly 1–2 times. After you do this, the auto close system usually works properly again. Try opening the door smoothly to avoid unbalancing the right part and the left part of the door.
Sparkling water is not dispensed.	<ul style="list-style-type: none"> Is the water line connected and the shut-off valve open? Is the Sparkling water icon selected? Is the Sparkling Water Production Function Off icon on? Press the Sparkling Water button for 3 seconds to turn on sparkling water production. The Sparkling Water Production function is set to OFF at the factory. Set it ON to get sparkling water. Are the Carbonation Level icons lighting in succession? If the Carbonation Level icons are lighting in succession, the refrigerator is in the middle of producing sparkling water. Please wait until the icons stop lighting. Is the Sparkling Water Cylinder empty? If the SodaStream Carbonator runs out of CO₂, water might not be dispensed or the dispensed water might be weak. Please change the cylinder. Is the refrigerator door open? If the door is open, Sparkling water/Water/Ice are not dispensed. Is the cylinder lever unlocked? Please open the cylinder cover and lock the cylinder lever. Is the Control Lock on?

PROBLEM	SOLUTION
The Quick Sparkling function makes a whirling noise while in process.	<ul style="list-style-type: none"> While the Quick Sparkling function is active, the Carbonator alternately injects and discharges CO₂ gas. This can cause a noise.
The taste of the sparkling water is weak.	<ul style="list-style-type: none"> Increase the Sparkling Level of the sparkling water. When the taste of the sparkling water is too weak or there is no other taste than water, replace the SodaStream Carbonator with a new one. If you use the Fill Up (3 sec) option after replacing the cylinder, the sparkling water tastes stronger or weaker than normal, depending on the amount and concentration of the remaining gas in the water tank.
Condensation or water drops forms on both sides of fridge door's central part.	<ul style="list-style-type: none"> Condensation or water drops may form if the humidity is too high while the refrigerator is operating. If condensation or water drops appears on both sides of fridge door's central part, turn the Energy Saver mode off after removing the condensation.

Warranty (USA)

WARRANTY ON SAMSUNG REFRIGERATOR

LIMITED WARRANTY TO ORIGINAL PURCHASER

This Samsung brand product, as supplied and distributed by Samsung Electronics America, Inc. (Samsung) and delivered new, in the original carton to the original consumer purchaser, is warranted by Samsung against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) year Parts and Labor on Refrigerator

Five (5) years Parts and Labor on sealed Refrigeration system only*

Ten (10) years Parts and Five (5) years Labor on Digital Inverter Compressor

(*Compressor, evaporator, condenser, drier, connecting tubing)

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact Samsung for problem determination and service procedures. Warranty service can only be performed by a Samsung authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to Samsung or Samsung authorized service center.

Samsung will repair or replace any part found to be defective, at our option and at no charge as stipulated herein, with new or reconditioned parts during the limited warranty period specified above. All replaced parts and products become the property of Samsung and must be returned to Samsung. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

In-home service will be provided during the warranty labor period subject to availability within the contiguous United States. In-home service is not available in all areas. To receive in-home service, the product must be unobstructed and accessible from floor level to service personnel. If during in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, Samsung may elect, at our option, to provide for transportation of our choice to and from a Samsung authorized service center. Otherwise, transportation to and from the Samsung authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external plumbing and leaks, external wiring, circuit breakers, fuses or connectors not supplied and authorized by Samsung, or which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; loss of food due to spoilage; consumable items including filters and light.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

To obtain warranty service, please contact Samsung at:

SAMSUNG CUSTOMER CARE CENTER

Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660
1-800-SAMSUNG (1-800-726-7864) and www.samsung.com

If your refrigerator needs service

Do not hesitate to call any Samsung Authorized Service Center nearby giving them your name, address and telephone number when your product is not functioning properly.

Warranty Information (CANADA)

Limited Warranty for Original Purchaser

This Samsung product is warranted by Samsung Electronics Canada Inc. (hereafter referred to as SECA) against manufacturing defects in material or workmanship for the following periods:

Labor : 1 years (in-home)
Parts : 1 years
Inverter Compressor : 10 years

SECA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to improper workmanship or defective material, SECA will repair or replace the product at its option. In-home service is not available in all areas. Contact us to find out if in-home service is currently available in your area by using the contact information at the back of this warranty.

All warranty repairs or part replacements must be performed by a SECA Authorized Service Center. (To find the nearest SECA Service Center, call 1-800-SAMSUNG (726-7864) or visit our web site at www.samsung.com/ca)

Obligation to the Original Owner

The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to a SECA Authorized Service Center at the time service is requested before warranty services are rendered. On all carry-in models, transportation to and from the Authorized Service Center is the responsibility of the customer.

Exclusions of the Warranty

This warranty does not cover damage due to accident, fire, flood, and/or other Acts of God, misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs during shipping. Customer adjustments which are explained in this owners manual are not covered under the terms of this warranty. This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in the Canada.

Samsung Electronics Canada Inc. 2050 Derry Road West, Mississauga, Ontario L5N 0B9 Canada

**Customer Care Center 1-800-SAMSUNG (726-7864)
Customer Care Center Fax. 1-866-436-4617**

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.
Samsung Electronics Canada Inc. 2050 Derry Road West, Mississauga, Ontario L5N 0B9 Canada
TEL : 905-542-3535 FAX : 905-542-3835
1-800-SAMSUNG (726-7864)
www.samsung.com/us/support

Memo



Scan the QR code* or visit
www.samsung.com/span
to view our helpful
How-to Videos and Live Shows

* Requires reader to be installed on your
smartphone

Scan this with your smartphone

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Country	Contact Center	Web Site	Subsidiaries office address
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com/us/support	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660
CANADA	1-800-SAMSUNG (726-7864)	www.samsung.com/ca/support (English) www.samsung.com/ca_fr/support (French)	Samsung Electronics Canada Inc. 2050 Derry Road West, Mississauga, Ontario L5N 0B9 Canada