



Refrigerator

User manual

Free Standing Appliance



SAMSUNG



Contents

Safety information	3
What you need to know about the safety instructions	3
Important safety symbols and precautions:	5
Important safety precautions	6
Severe warning signs for transportation and site	9
Critical installation warnings	10
Installation cautions	14
Critical usage warnings	14
Usage cautions	19
Cleaning cautions	22
Critical disposal warnings	24
Additional tips for proper usage	25
Instructions about the WEEE	27
Installation	28
Refrigerator at a glance	28
Step-by-step installation	31
Operations	47
Main panel	47
Setting the desired temperature or function	49
Changing the temperature scale	50
Turning on or off the ice maker	50
Activating or deactivating the Sabbath mode (applicable models only)	50
Special features	51
Maintenance	54
Handling and care	54
Cleaning	58
Replacement	59
Troubleshooting	60
General	60
Do you hear abnormal sounds from the refrigerator?	64
Appendix	66
Safety Instruction	66
Install Instruction	66
Temperature Instruction	67
Information for model and ordering spare parts	70



Safety information

Before using your new Samsung 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.

What you need to know about the safety instructions

- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur.
It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.
- 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 appliance. When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.

Safety information

- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer. The room must be 1 m³ in size for every 8 g of R-600a refrigerant inside the appliance.
The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury. When refrigerant leaks from the pipe, avoid any naked flames and move anything flammable away from the product and ventilate the room immediately.
 - Failing to do so may result in fire or explosion.
- To avoid contamination of food, please respect the following instructions:
 - Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
 - Clean regularly surfaces that can come in contact with food and accessible drainage systems.
 - Clean water tanks if they have not been used for 48 h; flush the water system connected to a water supply if water has not been drawn for 5 days.
 - Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
 - Two-star frozen-food compartments are suitable for storing pre-frozen food, storing or making icecream and making ice cubes.
 - One-, two- and three-star compartments are not suitable for the freezing of fresh food.

-
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

Important safety symbols and precautions:

Please follow all safety instructions in this manual. This manual uses the following safety symbols.

WARNING

Hazards or unsafe practices that may result in **severe personal injury, property damage, and/or death.**

CAUTION

Hazards or unsafe practices that may result in **severe personal injury and/or property damage.**

NOTE

Useful information that helps users understand or benefit from the refrigerator.

These warning signs 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.

Safety information

Important safety precautions



Warning; Risk of fire / flammable materials

WARNING

- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- Fill with potable water only.
- Connect to potable water supply only.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- 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 use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

- 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.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Children aged from 3 to 8 years are allowed to load and unload refrigerating appliances.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency.
 - It must be outside the area of the rear of the appliance.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- If the product is equipped with LED lamps, do not disassemble the Lamp Covers and LED lamps yourself.
 - Contact a Samsung service center.
 - Use only the LED Lamps provided by the manufacturer or its service agents.
- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.
- Have the refrigerator's water supply connected only to a potable water supply. To operate the ice maker properly, water pressure of 206-861 kPa (30-125 psi) is required.



Safety information

- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.
- To get the best energy efficiency of this product, please leave all shelves, drawers and baskets on their original position.

How to minimize the energy consumption

- 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 (radiator, for example).
 - Not to block any vents or 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 time for which the door is open, the less ice will form in the freezer.
 - Clean the rear of the refrigerator regularly. Dust increases energy consumption.
 - Do not set temperature colder than necessary.
 - Ensure sufficient air exhaust at the refrigerator base and at the back wall of the refrigerator. Do not cover air vent openings.



-
- Allow clearance to the right, left, back and top when installing. This will help reduce power consumption and keep your energy bills lower.

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

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

Severe warning signs for transportation and site

⚠ WARNING

- When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
 - Refrigerant leaking from the pipe work could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

Safety information

- This appliance contains a small amount of isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- When transporting and installing the refrigerator, do not touch the water hose on the back side of the refrigerator.
 - This may damage the refrigerator and as a result the water dispenser can not be used.

Critical installation warnings

WARNING

- 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 pull or excessively bend the power cord.
 - 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 location where gas may leak.
 - This may result in an electric shock or fire.

Safety information

- 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.
- 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.
- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
 - Deteriorated insulation of electrical parts may cause an electric shock or fire.
- If any dust or water is in the refrigerator, pull out power plug and contact your Samsung Electronics service center.
 - Otherwise there is a risk of fire.
- 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.
- 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 snap rings used for door adjustment or the water tube clips.
 - There is risk of death by suffocation if a child swallows a snap ring or water tube clip. Keep the snap rings and water tube clips out of children's reach.
 - 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.
 - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
 - This may result in an electric shock, fire, explosion, or problems with the product.
 - 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.
 - The fuse on the refrigerator must be changed by a qualified technician or service company.
 - Failing to do so may result in an electric shock or personal injury.

Safety information

Installation cautions

CAUTION

- Allow sufficient space around the refrigerator and install it on a flat surface.
 - If your refrigerator is not level, cooling efficiency and durability can be declined.
- Allow the appliance to stand for 2-3 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.

Critical usage warnings

WARNING

- Do not insert the power plug into a wall socket with wet hands.
 - This may result in an electric shock.
- 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 chopsticks, 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 touch the inside walls of the freezer or products stored in the freezer with wet hands.
 - This may cause frostbite.
 - Do not put a container filled with water on the refrigerator.
 - If spilled, there is a risk of fire or electric shock.
 - Do not keep volatile or flammable 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.
 - 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 put your fingers or children's fingers between the doors.
 - Keep fingers out of the left and right door gaps. Be careful when you open the doors if your fingers are in between the doors.
 - 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.

Safety information

- 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.
- If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung Electronics service center.
- If any dust or water is in Refrigerator, pull out power plug and contact your Samsung Electronics service center.
 - Otherwise there is a risk of fire.
- Do not let children step on a drawer.
 - The drawer may break and cause them to slip.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside the refrigerator.
- Do not allow babies or children go inside the drawer.
 - It can cause death from suffocation by entrapment or personal injury.
- 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 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 put fingers or other objects into the water dispenser hole, ice chute and ice maker bucket.
 - It may cause a personal injury or material damage.

- Do not use or place any substances sensitive to temperature such as flammable sprays, flammable objects, dry ice, medicine, or chemicals near or inside of the refrigerator.
- Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odours.
 - This may result in an electric shock or fire.
- Fill the water tank, ice tray and water cubes only with potable water (mineral water or purified water).
 - Do not fill the tank with tea, juice or sports drink, this may damage the refrigerator.
- 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.
- 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 put shelf in upside down. Shelf stopper could not work.
 - It may cause a personal injury because of glass shelf drop.
- 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.

Safety information

- 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.
- 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.
- Never put fingers or other objects into the water dispenser hole, ice chute and ice maker bucket.
 - It may cause a personal injury or material damage.
- Do not attempt to repair, disassemble, or modify the refrigerator yourself.
- Do not use any fuse (such as cooper, steel wire, etc.) other than a standard fuse.
- If your refrigerator 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 refrigerator emits a burning smell or smoke, unplug the refrigerator immediately and contact your Samsung Electronics service center.
 - Failing to do so may result in an electric or fire hazards.
- Pull the power plug out of the socket before changing the interior lamps of the refrigerator.
 - Otherwise, there is a risk of electric shock.
- If you experience difficulty changing a non-LED light, contact a Samsung service center.

-
- 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.

Usage cautions

CAUTION

- Do not refreeze thawed food.
 - Frozen and thawed food will develop harmful bacteria faster than fresh.
 - The second thaw will break down even more cells, leaching out moisture and changing the integrity of the product.
- Do not thaw meat at room temperature.
 - Safety will depend on whether the raw product was handled properly.
- Do not place glass bottles or carbonated beverages into the freezer.
 - The container may freeze and break, and this may result in injury.
- Use only the ice maker provided with the refrigerator.
- 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.

Safety information

- If you won't be using the refrigerator for a very long period of time, (3 weeks or more) empty the refrigerator including the 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.
- To get the best performance from the product:
 - Do not place food too close to the vents at the rear of the refrigerator as this 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.
 - 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.
- 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 a cooling period lasts too long, the water filter may break and cause water leakage.
 - Use only the ice-maker provided with the refrigerator.
 - Wipe excess moisture from the inside and leave the doors open.
 - Otherwise, odor and mold may develop.
 - If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.
 - When the refrigerator got wet by water, pull out the power plug and contact your Samsung Electronics service center.
 - Do not strike or apply excessive force to any glass surface.
 - Broken glass may result in a personal injury and/or property damage.
 - 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.
 - Be careful that your fingers are not caught in.
 - If the refrigerator is flooded, make sure to contact your nearest service center.
 - There is a risk of electric shock or fire.

Safety information

- Do not keep vegetable oil in your refrigerator's door bins. The oil can solidify, making it foul-tasting and difficult to use. In addition, the open container can leak and the leaked oil can cause the door bin to crack. After opening an oil container, it is best to keep the container in a cool and shaded place such as a cupboard or pantry.
 - Examples of vegetable oil: olive oil, corn oil, grape-seed oil, etc.

Cleaning cautions

CAUTION

- 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.
- Do not spray cleaning products directly on the display.
 - Printed letters on the display may come off.
- If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service center.
 - Failing to do so 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.
- Do not clean the appliance by spraying water directly onto it.
- Do not use benzene, thinner, or Clorox, Chloride for cleaning.
 - They may damage the surface of the appliance and may cause a fire.
- Never put fingers or other objects into the dispenser hole.
 - It may cause a personal injury or material damage.
- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
 - Failing to do so may result in an electric shock or fire.
- Use a clean sponge or soft cloth and a mild detergent in warm water to clean the refrigerator.
- Do not use abrasive or harsh cleansers such as window sprays, scouring cleansers, flammable fluids, muriatic acid, cleaning waxes, concentrated detergents, bleaches, or cleansers containing petroleum products on exterior surfaces (doors and cabinet), plastic parts, door and interior liners, and gaskets.
 - These can scratch or damage the material.
- Do not clean glass shelves or covers with warm water when they are cold. Glass shelves and covers may break if exposed to sudden temperature changes or impacts such as bumping or dropping.

Safety information

Critical disposal warnings

WARNING

- 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 refrigerator 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 refrigerator 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, a child may get hurt or suffocate to death.
 - If trapped inside, the child may become injury and 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 electric company and ask how long the failure 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 refrigerator might not operate consistently (frozen contents can thaw or temperatures can become too warm in the frozen food compartment) if 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. 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.

Safety information

- The temperature of two star section (sections) or compartment (compartments) which have two star symbol (❄️❄️) is slightly higher than other freezer compartment (compartments).
The two star section (sections) or compartment (compartments) is (are) based on the instruction and/or the condition as delivered.

Instructions about the WEEE



Correct Disposal of This Product (Waste Electrical & Electronic Equipment) (Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product regulatory obligations, e.g. REACH, WEEE or Batteries, visit our sustainability page available via www.samsung.com

(For products sold in European countries and in the UK only)

Installation

Follow these instructions carefully to ensure a proper installation of this refrigerator and to prevent accidents before using it.

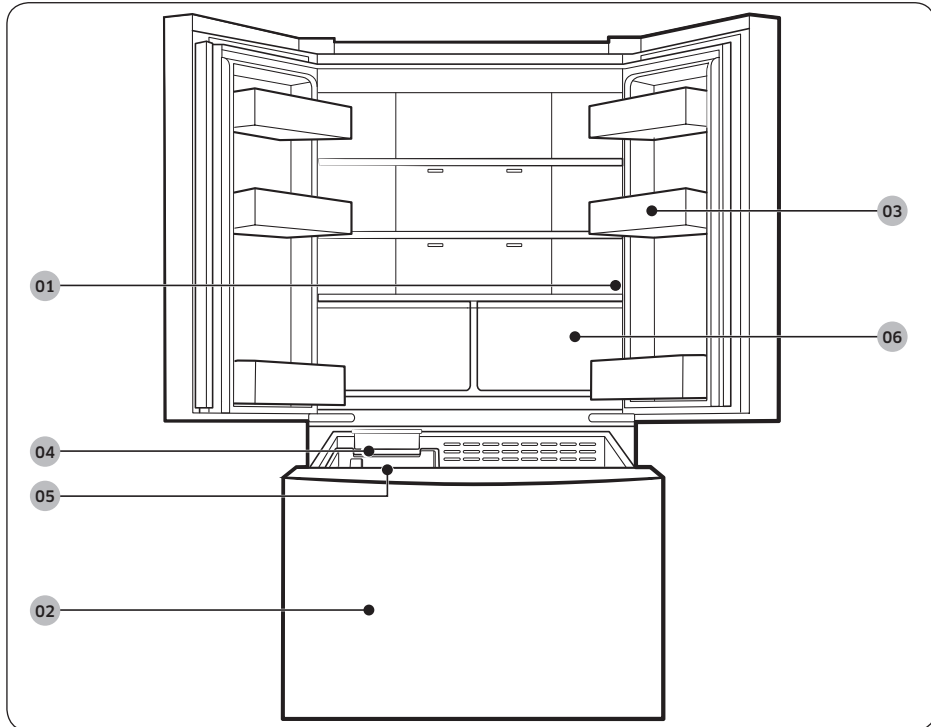
⚠ WARNING

- Use the refrigerator only for its intended purpose as described in this manual.
- Any servicing must be performed by a qualified technician.
- Dispose of the product packaging material in compliance with the local regulations.
- To prevent electric shock, unplug the power plug before servicing or replacing parts.

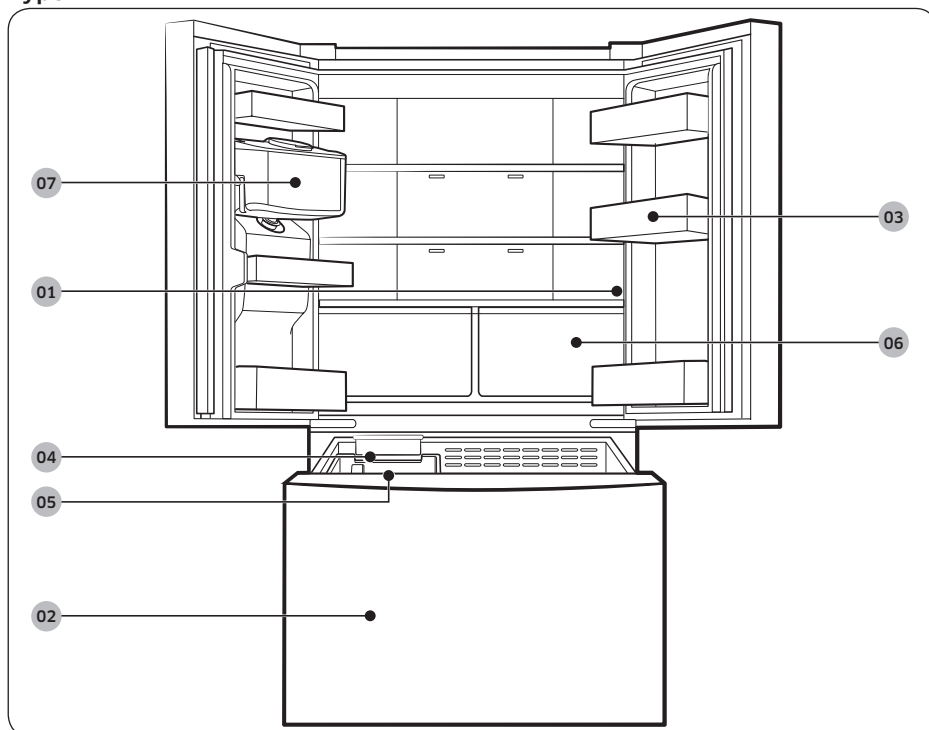
Refrigerator at a glance

The actual refrigerator and provided parts of your refrigerator may differ from the illustrations in this manual, depending on the model and the country.

Type A



Type B



01 Main panel

03 Door bins

05 Ice bucket

07 Water Tank *

02 Freezer

04 Ice Maker

06 Fridge drawers

* applicable models only

NOTE

- For energy efficiency, keep all shelves, drawers, and baskets in their original positions.
- 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 into the correct position, and then close the door.
- Moisture may form at times on the vertical hinged section.
- If you close a door forcefully, the other door may open.

Installation

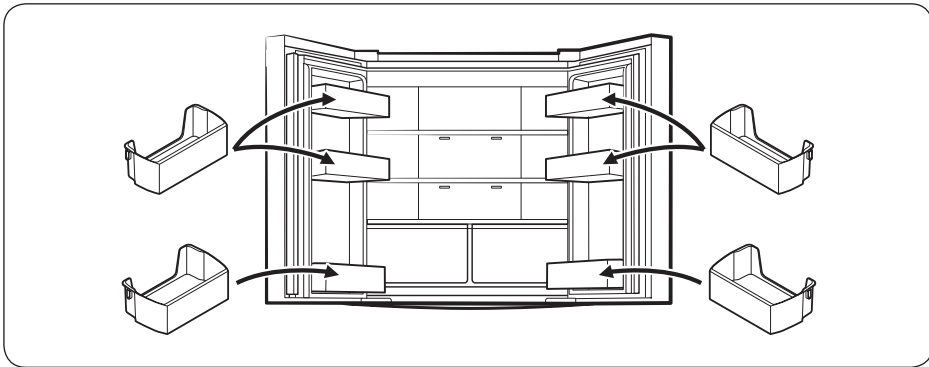
- If the internal or external LED lamp is out of order, contact a local Samsung service center.
- If the door is left open for too long, the top internal LED will blink. This is normal.

Door bins

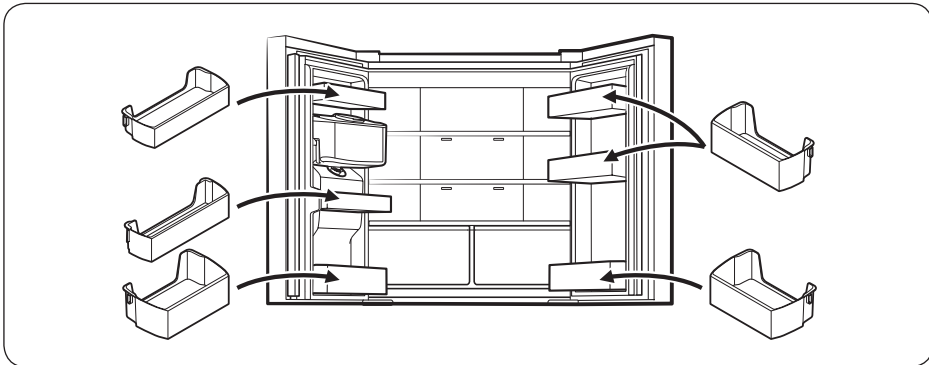
Your refrigerator ships with door bins of different types and sizes. If the door bins for your refrigerator were packaged separately, use the figure below to help you position the bins properly.

The number of door bins provided may differ with the model.

Type A



Type B



Step-by-step installation

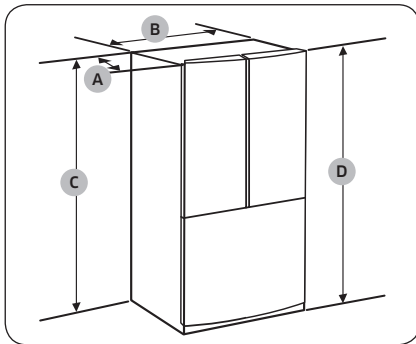
STEP 1 Select a site

Select a site that:

- Has a solid, level surface without carpeting or flooring that may obstruct ventilation
- Is away from direct sunlight
- Has adequate room for opening and closing the door
- Is away from any heat sources
- Provides room for maintenance and servicing
- Has a temperature range between 10 °C and 43 °C

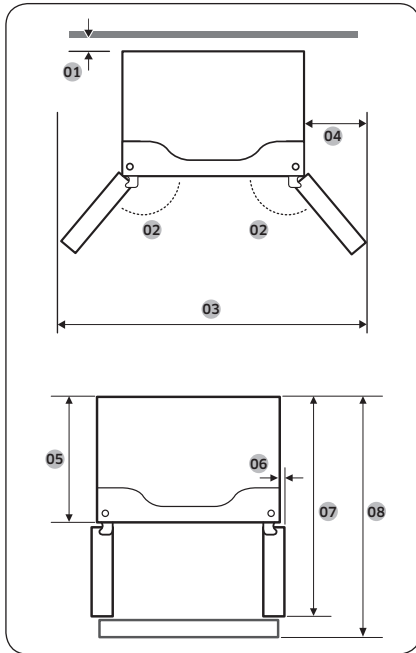
Clearance

See the following figures and tables for space requirements for installation.



Model	RF44A* RF50A*	RF49A* RF57A*
Depth "A"	715 mm	765 mm
Width "B"	817 mm	817 mm
Height "C"	1749 mm	1749 mm
Overall Height "D"	1776 mm	1776 mm

Installation



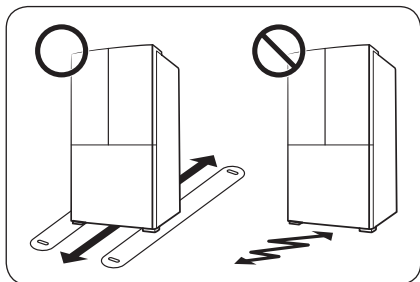
Model	RF44A* RF50A*	RF49A* RF57A*
01	50 mm	50 mm
02	135°	135°
03	1393 mm	1393 mm
04	291 mm	291 mm
05	625 mm	675 mm
06	31.5 mm	31.5 mm
07	1056 mm	1101 mm
08	1082 mm	1132 mm

NOTE

The measurements in the table above may differ slightly from the actual measurements, depending on the measuring and rounding method.

STEP 2 Flooring

If the refrigerator cannot pass through the entrance due to its size, see **Door removal for entrance**.



NOTE

To prevent floor damage, make sure the front leveling legs are in the upright position.

- The surface you install the refrigerator on must support a fully loaded refrigerator.
- To protect the floor, put a large piece of cardboard along the path to the refrigerator's final installation location.
- Once the refrigerator is in its final position, do not move it unless necessary to protect the floor. If you have to move the refrigerator, place thick paper or cloth such as old carpets along the path of movement.

Installation

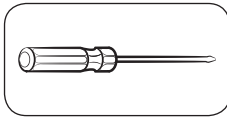
STEP 3 Door removal for entrance

If the refrigerator cannot pass through the entrance to your home or kitchen due to its size, follow these instructions to remove and then re-install the refrigerator's doors. If you do not need to remove the doors, go to page 40 to continue the installation procedure.

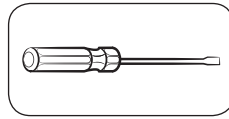
WARNING

Unplug the power cord of the refrigerator before removing the doors.

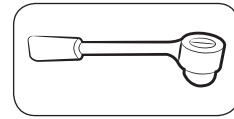
Tools required (not provided)



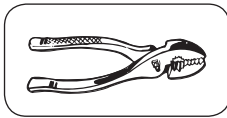
Phillips screwdriver



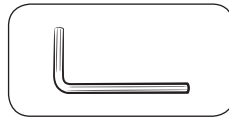
Flat-head screwdriver



Socket wrench 10 mm

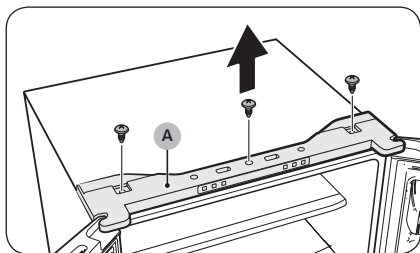


Pliers

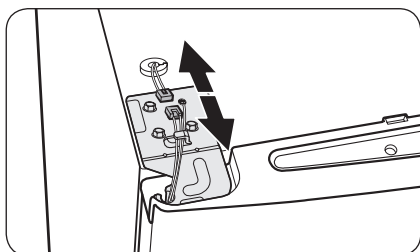


Allen wrench 5 mm

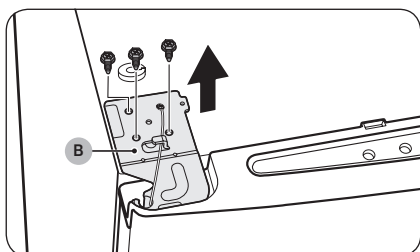
Detach the fridge doors



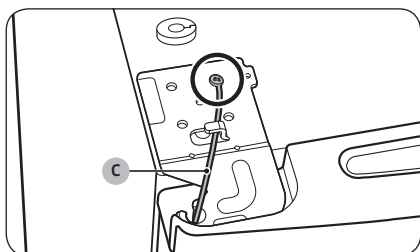
1. Use a Phillips screwdriver to remove the screws fastening the **top cover (A)**.



2. Disconnect the wires on the top of the refrigerator.

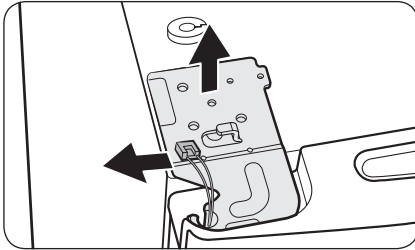


3. Use a socket wrench (10 mm) to remove the screws fastening the **top hinge (B)**.



4. Use a Phillips screwdriver to remove the screw fastening the **ground wire (C)**.

Installation



5. Remove the top hinge from the door.

NOTE

Remove the top hinge carefully. The wires from the door are arranged through the hinge shaft.



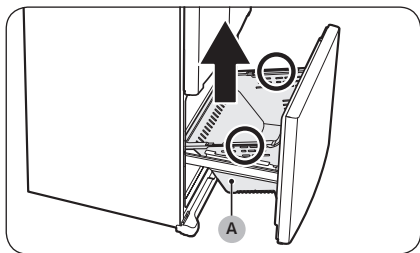
6. Gently pull up the fridge door to remove. Do not apply excessive force to the door. The door may fall, causing physical injury.

7. Lay the door down on a flat surface.

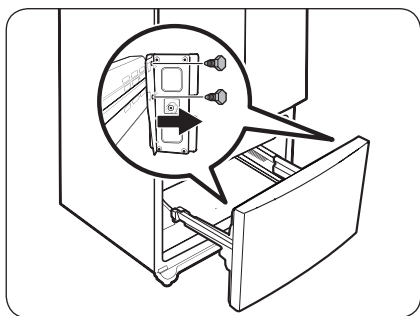
To reattach the fridge doors

After moving the refrigerator to its final location, reattach the doors by following the removal instructions in the reversed order.

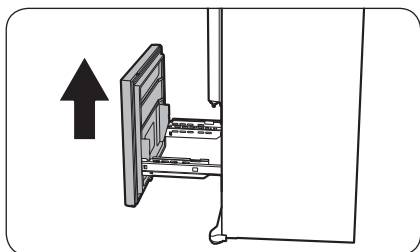
Detach the freezer drawer



1. Fully open the freezer drawer, and then lift the drawer basket (A) to remove.

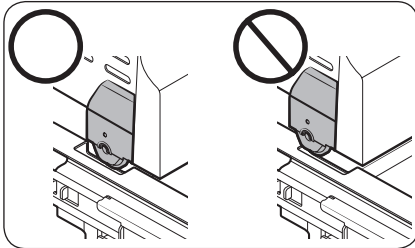


2. Use a socket wrench (10 mm) to remove the 4 screws fastening the door.



3. Lift the freezer door from the rails to remove.

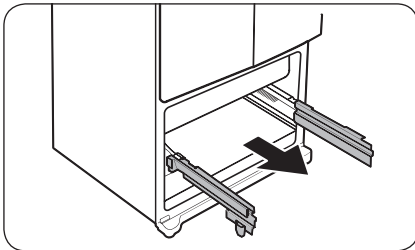
Installation



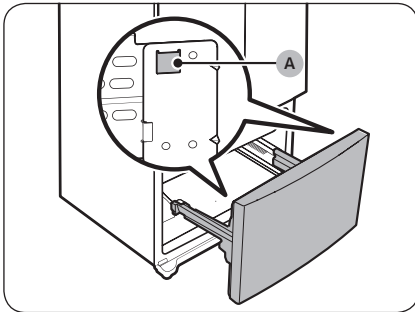
⚠ CAUTION

- Be careful not to scratch or dent the rail assembly.
- Make sure you mount the freezer baskets in the correct position. Otherwise, the door will not open or close properly, which causes frost to build up.
- Do not store too much food in the freezer drawer. This prevents the freezer drawer from closing properly, resulting in frost buildup.

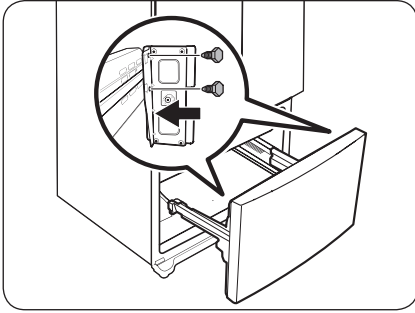
To reattach the freezer drawer



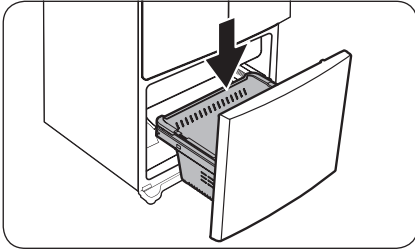
1. Fully pull out the freezer drawer rails.



2. Attach the freezer door to the slots (A) at the side of the rails.



3. Use a socket wrench (10 mm) to fasten the door to the rail with 4 screws.



4. Insert the freezer basket back into its position.

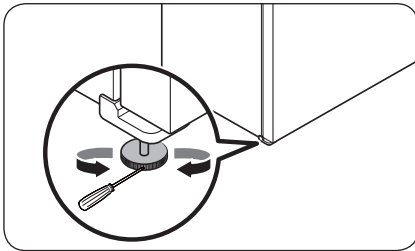
Installation

STEP 4 Leveling the refrigerator

⚠ CAUTION

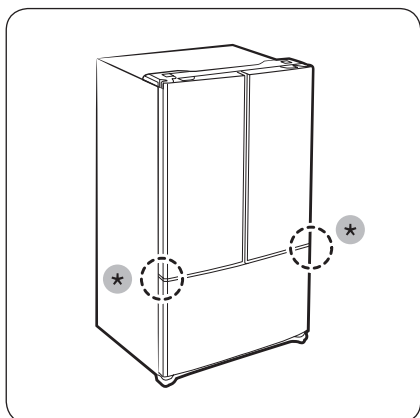
- When installed, the refrigerator must be leveled on a flat, solid floor. Not leveling the refrigerator can cause damage to the refrigerator or physical injury.
- Leveling must be performed with the refrigerator empty. Make sure no food items are inside the refrigerator.
- For safety reasons, adjust the front a little higher than the rear.

Level the refrigerator using the special screws (levelers) on the front legs. Use a flat-head screwdriver to turn the levelers.

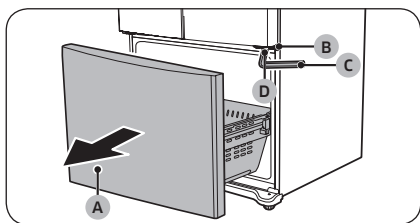


- To adjust the height of the left side: Insert a flat-head screwdriver into the leveler of the left side front leg. Turn the leveler clockwise to raise the left side or turn it counterclockwise to lower.
- To adjust the height of the right side: Insert a flat-head screwdriver into the leveler of the right side front leg. Turn the leveler clockwise to raise the right side or turn it counterclockwise to lower.

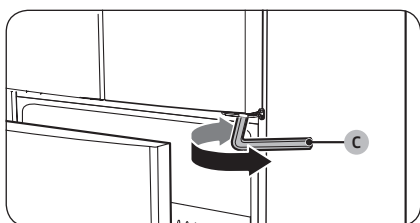
STEP 5 Align the fridge doors



- Before aligning the fridge doors, make sure the refrigerator is level. Refer to the “**Leveling the refrigerator**” section for detailed instruction.
- You can use the **adjustment parts (*)** at the bottom of both fridge doors to raise or lower the door.

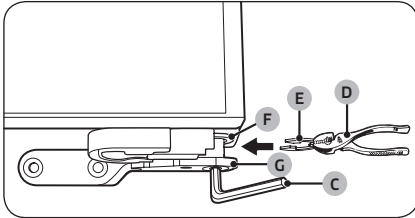


1. Fully open the **freezer drawer (A)**, and then find the **middle hinge (B)**.
2. Insert the **Allen wrench (C)** into the shaft (**D**) of the middle hinge.



3. Turn the **Allen wrench (C)** clockwise or counterclockwise to raise or lower the door.

Installation



4. Use the Pliers (D) to insert the provided snap ring (E) in the gap between the hinge-grommet (F) and the middle hinge (G). The number of snap rings depends on the gap.

NOTE

Two 0.04" snap rings are provided with the product.



STEP 6 Connect the water dispenser line (applicable models only)

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

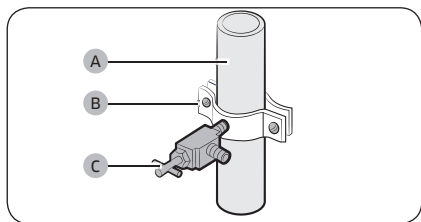
The water line also connects to the ice maker. For the ice maker to operate properly, water pressure of 206 to 827 kPa is required.

If the refrigerator is installed in an area with low water pressure (below 30 psi / 206 kPa), you can install a booster pump to compensate for the low pressure.

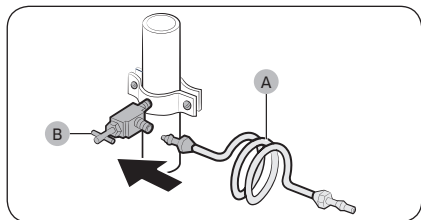
After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled. To do this, press the water dispenser lever until water runs from the water outlet.

NOTE

- Water line installation kits are available at extra cost from your retailer. We recommend using a water line installation kit that contains copper tubing and a 6 mm compression nut.



1. Shut off the main water source.
2. Insert the pipe clamp (B) and the shutoff valve (C) into the cold water line (A).



3. Connect the water line installation kit (A) to the shutoff valve (B).



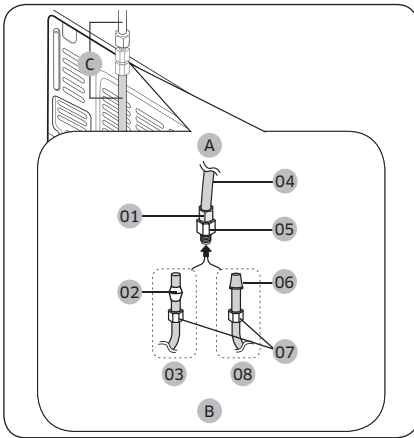
Installation

Connect the water supply line to the refrigerator

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

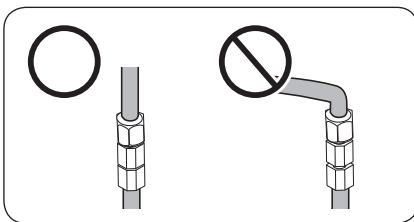
Copper Tubing	<ul style="list-style-type: none">• 1/4" copper tubing• 1/4" compression nut (1 pc)• Ferrule (2 pc)
Plastic Tubing	<ul style="list-style-type: none">• 1/4" plastic tubing → Molded end (Bulb)• 1/4" compression nut (1 pc)

Installation



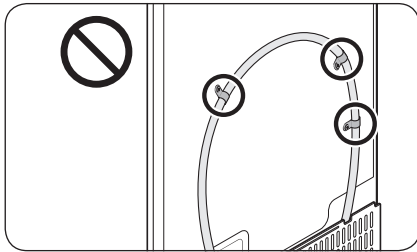
- A. Refrigerator
- B. Household water supply line
- C. Water Line: must be kept straight.

- 01 Compression Nut (1/4") (Assembled)
- 02 Ferrule (Not supplied)
- 03 Copper tubing (Not supplied)
- 04 Plastic Tubing (Assembled)
- 05 Compression Fitting (Assembled)
- 06 Molded end (Bulb)
- 07 Compression nut (1/4") (Not supplied)
- 08 Plastic Tubing (Not supplied)



NOTE

If you have to relocate the refrigerator after connecting the **water line (C)**, make sure the joined section of the water line is straight.



⚠ CAUTION

Do not mount the water filter on any part of the refrigerator. This may damage the refrigerator.

1. Connect the household water line to the assembled compression fitting.
 - If you are using copper tubing, slip the **compression nut (07)** (not supplied) and **ferrule** (not supplied) on the copper tubing (not supplied) as shown.
 - If you are using **plastic tubing (08)**, insert the molded end (Bulb) of the **plastic tubing (08)** into the compression fitting.

⚠ CAUTION

- If you use **plastic tubing (08)**, do not use it without the molded end (Bulb).
 - Leaving the water line disconnected may cause the water valve to produce a buzzing sound over time. If this is the case, make sure that the ice making function is turned "OFF" and do not attempt to use the water dispenser.
2. Tighten the **compression nut (07)** onto the **compression fitting**. Do not over-tighten the **compression nut (07)**.
 3. Turn the water on and check for any leakage. If you find water drops or leakage 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, 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 ice maker makes to ensure all impurities have been removed from the water line.

📖 NOTE

Only connect the water line to a potable water source.

- If you have to repair or disassemble the water line, cut off $\frac{1}{4}$ " 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 170 cc cup in about 10 seconds.

Installation

STEP 7 Initial settings

By completing the following steps, the refrigerator should be fully functioning.

1. Plug the power cord into the wall socket to turn the refrigerator on.
2. Open the door, and check if the interior light lights up.
3. Set the temperature to the coldest setting, and wait for about an hour. Then, the freezer will be slightly chilled, and the motor should be running smoothly.
4. Wait until the refrigerator reaches the set temperature. Now the refrigerator is ready for use.

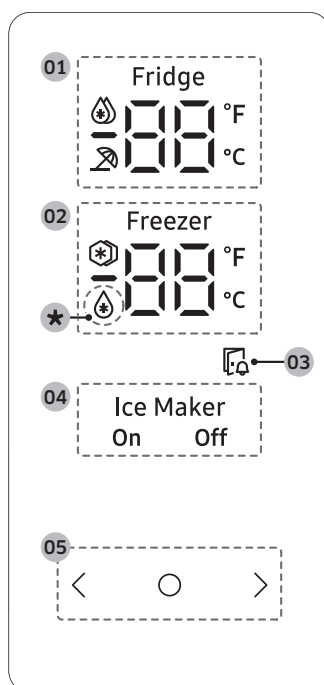
STEP 8 Final check

When installation is complete, confirm that:

- The refrigerator is plugged into an electrical outlet and grounded properly.
- The refrigerator is installed on a flat, level surface with a reasonable clearance from walls and cabinets.
- The refrigerator is level and is sitting firmly on the floor.
- The door opens and closes freely, and the interior light turns on automatically when you open the door.

Operations


Main panel



01 Fridge indicator	<ul style="list-style-type: none"> Displays the current or desired temperature of the fridge. ☰ indicates that the Power Cool function is on. ☒ indicates that the Vacation function is on.
02 Freezer indicator	<ul style="list-style-type: none"> Displays the current or desired temperature of the freezer. ❄️ indicates that the Power Freeze function is on.
03 Door open indicator	<ul style="list-style-type: none"> This indicator blinks with an alarm if the door is left open for more than 2 minutes.
04 Ice Maker indicator	<ul style="list-style-type: none"> Displays the status of the ice maker. To enable ice making, you must turn on the ice maker.

Operations

05 Buttons

- When the display is off, tap any button to wake up the display.
- Tap  to select the desired item on the main panel and to confirm any setting changes.
- Tap < or > to change the settings of the selected item on the main panel.

* applicable models only





NOTE

- The control panel is designed to stay off when the refrigerator is not in use. It only becomes active and lights up when you open the door or tap the buttons.
- If the door is left open for 5 minutes, the internal light will blink for 5 minutes and turn off to alert deaf and hard of hearing users that a door is open. Note that this function is normal.

Setting the desired temperature or function

Select the fridge or freezer and set the desired temperature or function of your choice.

1. Tap any button (< , ○ , or >) to wake up the display.
 - This step may not apply to some models.
2. Tap ○ until the fridge or freezer indicator blinks.
 - The selected compartment's indicator blinks.
3. Tap < or > to select the desired temperature or function.
 - Refer to the table for available selection for each compartment.

Fridge	<ul style="list-style-type: none"> • Available selection (Celsius):  (Power Cool) ↔ 1 °C ↔ 2 °C ↔ 3 °C ↔ 4 °C ↔ 5 °C ↔ 6 °C ↔ 7 °C ↔  (Vacation) • Power Cool speeds up the cooling process at maximum fan speed. The fridge keeps running at full speed for two and a half hours and then returns to the previous temperature. • Use the Vacation function if you are going on vacation or a business trip, or if you do not intend to use the fridge for an extended time. The fridge temperature will be kept under 17 °C, but the freezer remains active as previously set.
Freezer	<ul style="list-style-type: none"> • Available selection (Celsius):  (Power Freeze) ↔ -23 °C ↔ -22 °C ↔ -21 °C ↔ -20 °C ↔ -19 °C ↔ -18 °C ↔ -17 °C ↔ -16 °C ↔ -15 °C • Power Freeze speeds up the freezing process at maximum fan speed. • The freezer keeps running at full speed for 50 hours and then returns to the previous temperature. To freeze large amounts of food, activate Power Freeze for at least 20 hours before putting food in the freezer. <p> NOTE When you use this function, the energy consumption of the refrigerator will increase. Remember to turn it off when you do not need it and return the freezer to your original temperature setting.</p>

4. Wait for 5 seconds or tap ○ to confirm your selection.
 - The selected compartment's indicator stops blinking.

NOTE

- Using Power Cool or Power Freeze increases power consumption.
- When you change the temperature on the panel, the panel displays the actual temperature inside the refrigerator until the temperature matches the temperature you set. Then, the panel displays the new set temperature. Note that it will take time for the refrigerator to reach the new temperature. This is normal. During this time, you do not need to set the temperature again.
- To ensure optimal performance, we recommend setting the temperature to -19 °C for the freezer, and 3 °C for the fridge.



Operations

- The temperature in the refrigerator may rise if you open the door frequently or put a large amount of food into the refrigerator. If this happens, the temperature display blinks until the refrigerator returns to the specified temperature settings. If the blinking continues for an extended time, contact a local Samsung service center for technical assistance.

Changing the temperature scale

You can switch the temperature scale between Fahrenheit and Celsius.

1. Tap any button (< , ○ , or >) to wake up the display.
 - This step may not apply to some models.
2. Tap ○ until the °F and °C symbols on the fridge or freezer blink.
3. Tap < or > to select the desired temperature scale.
 - Tap < to select Fahrenheit.
 - Tap > to select Celsius.
4. Wait for 5 seconds or tap ○ to confirm your selection.
 - The °F and °C symbols stop blinking.

Turning on or off the ice maker

You can turn on or off the auto ice maker in the freezer.

1. Tap any button (< , ○ , or >) to wake up the display.
 - This step may not apply to some models.
2. Tap ○ until the Ice Maker indicator blinks.
3. Tap < or > to turn on or off the ice maker.
 - Tap < to turn it on.
 - Tap > to turn it off.
4. Wait for 5 seconds or tap ○ to confirm your selection.
 - The Ice Maker indicator stops blinking.

Activating or deactivating the Sabbath mode (applicable models only)

The Sabbath mode stays active for 85 hours once it is activated. After that, it will be deactivated automatically.

- To activate or deactivate the Sabbath Mode, tap and hold ○ and > simultaneously for 6 seconds. Then, when the display blinks, tap > .
 - When the refrigerator is in the Sabbath mode, the buttons, display, and internal lights do not function. The refrigerator and freezer, however, continue to cool.

NOTE

- If the refrigerator powers off and restarts (for example, if there is a power failure), the Sabbath mode remains active. To end Sabbath Mode, you must deactivate it as instructed above.

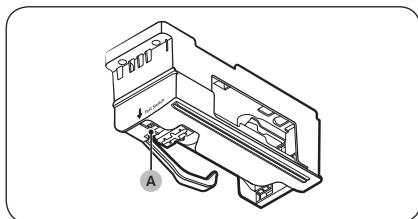


Special features

Ice maker

The refrigerator has a built-in ice maker that automatically dispenses ice so that you can enjoy filtered water with cubed or crushed ice.

Ice Maker Operation



- The ice maker will produce 8 cubes per cycle - approximately 100~130 cubes in a 24-hour period, depending on freezer compartment temperature, room temperature, number of door openings, and other use conditions.
- Throw away the first few batches of ice to allow the water line to clear.
- Be sure nothing interferes with the sweep of the feeler arm. When the bin fills to the level of the feeler arm, the ice maker will stop producing ice.
- After the ice maker has been turned on again, there will be a time delay before the ice maker resumes operation.
- It is normal for several cubes to be joined together.
- If ice is not used frequently, old ice cubes will become cloudy, taste stale, and shrink. If you do not want to make ice, turn the ice maker off. (For detailed instructions on turning the ice maker on or off, see the “Turning on or off the ice maker” section on page 50.)
- If the auto ice maker does not make ice, remove the ice bucket and press **Test Switch (A)** to check if the auto ice maker operates properly.

NOTE

When the ice maker is on, the temperature of the freezer will be lower than the set temperature. If you do not need to use the ice maker, turn off the ice maker.

If You Turn the Ice Maker Off

If you turn the ice maker off, make sure to remove all ice cubes from the ice bucket. The remaining ice cubes may clump together, making it difficult to remove.

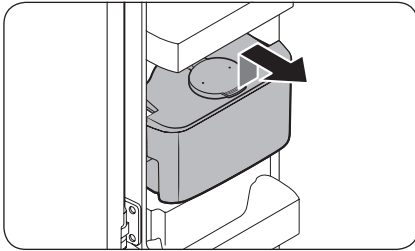
Operations

Water dispenser (applicable models only)

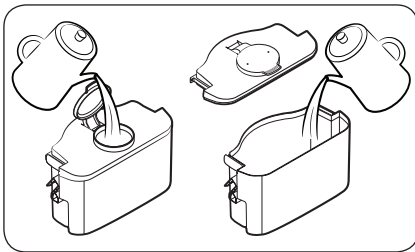
With the water dispenser, you can dispense water without opening the fridge door. The water tank must be filled with potable water before use.

To fill the water tank with potable water

Open the door and locate the water tank that is located in the door shelf area.



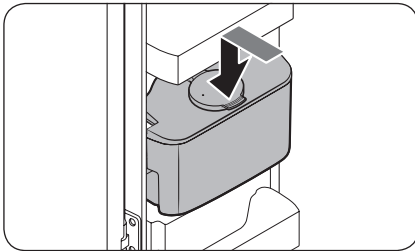
1. Hold the handgrips on both sides of the water tank and lift up to remove.



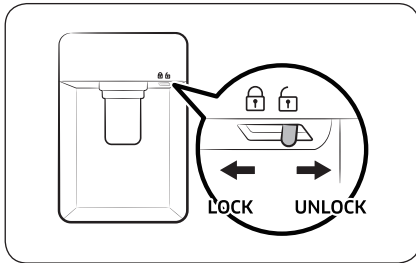
2. Fill the water tank with potable water up to 4 liters. You can remove either the top cap or the cover and pour water.

NOTE

For first-time use, clean inside the water tank.



3. Reinsert the water tank and close the door. Make sure the water outlet of the water tank faces forward.



4. Put a water glass under the water outlet of the dispenser, and gently push the dispenser lever to dispense water. Make sure the water dispenser is unlocked.

⚠ CAUTION

- The water dispenser is designed to dispense potable water. Fill the water tank only with potable water. Do not fill with any other liquids.
- Do not fill the water tank excessively, which causes an overflow.
- Do not try to fill the water tank without removing it from the door.
- Make sure that water tank is seated properly.
- Do not use the refrigerator without the water tank. This may reduce performance and efficiency.
- To prevent water bouncing, make sure the glass is in line with the dispenser lever.

📖 NOTE

To secure more room, you can use the water tank to store food. In this case, remove the lid of the tank.

Maintenance

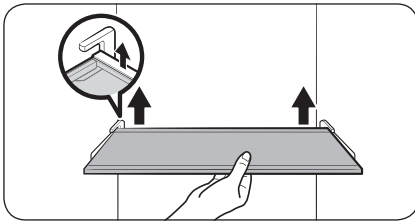
Handling and care

Shelves

⚠ CAUTION

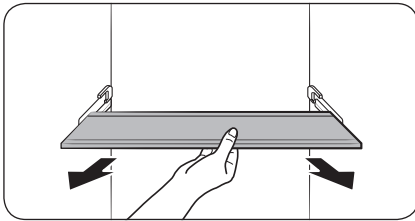
- The shelf must be inserted correctly. Do not insert upside down.
- Glass containers may scratch the surface of glass shelves.

Fridge shelves



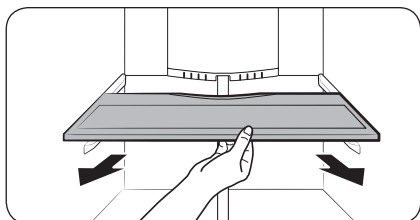
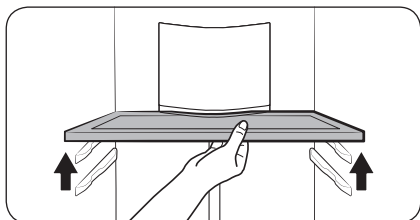
To remove a shelf, fully open the fridge door. Hold the front of the shelf and gently lift up and slide out.

1. Fully open the fridge door.
2. Hold the front of the shelf lift the back of the shelf to release the hook from the groove.



3. Pull out to remove.

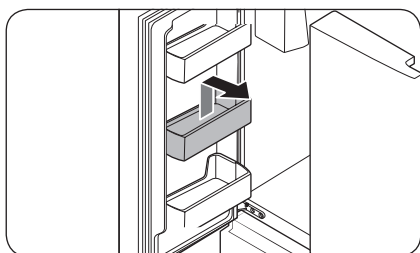
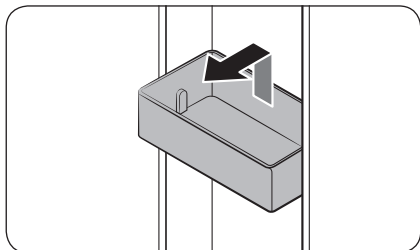
Vegetable shelves



1. Fully open the fridge door.
2. Lift up the front of the shelf and pull it to release the shelf from the holder at the rear wall.

3. Pull out to remove.

Door bins



- To remove the **door bin**, hold the front sides of the bin, and then gently lift up to remove.
- To reinsert, insert the **door bin** slightly above its final location making sure that the back of the bin is against the door. Hold the rear of the **door bin** with both hands, and then press down so that it fits snugly.

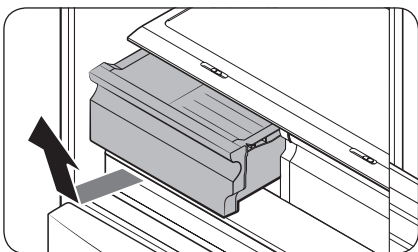
⚠ CAUTION

- Do not remove a bin that is filled with food. Empty the bin beforehand.
- Use caution when opening the door if the bottom bin contains larger bottles, which may fall over.
- Do not allow children to play with the bins. Sharp corners of the bin may cause injury.

Maintenance

Fridge drawers

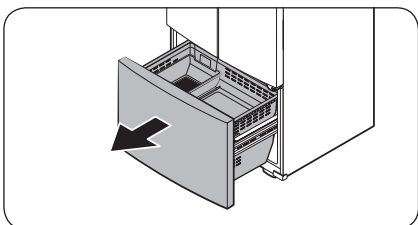
Vegetable / fruit drawers



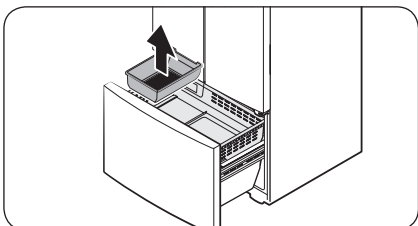
Gently lift up the front of the drawer and slide out.

- We recommend that you remove the door bins before removing the drawer. This is to prevent damage to the door bins.
- To reinsert, insert the drawer into the frame rails and then slide inward.

Freezer baskets

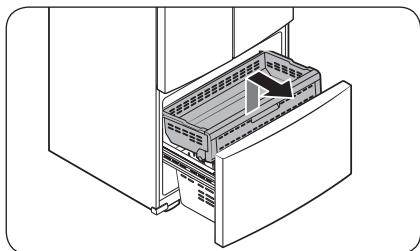


1. Fully open the freezer drawer.



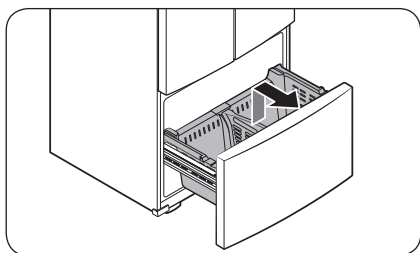
2. Lift the ice bucket to remove.

Upper basket



- To remove, fully slide open the freezer drawer. Lift up the front of the **upper basket** and pull to remove.
- To reinsert, align the front wheels of the **upper basket** with the end of the **lower basket**. Slide the **upper basket** to the front.

Lower basket



- To remove, first remove the **upper basket**. Then, tilt up the front of the **lower basket** to pull out.
- To reinsert, put the basket onto the rail assembly rear side first.

⚠ CAUTION

- Do not twist the basket when removing or reinserting the basket. The basket can be scratched.
- To prevent physical injury, property damage, or suffocation, keep children away from freezer baskets that have been removed.
- Do not remove the divider.
- Put the wheels of the upper basket on the end of the rails of the lower basket. Then, slide the upper basket all the way to the front. Otherwise, the drawer will not open or close properly, which will cause frost to build up.

Maintenance

Cleaning

Interior and exterior

⚠ WARNING

- Do not use benzene, thinner, home/car detergent, or Clorox™ to clean the refrigerator. They may damage the surface of the refrigerator and cause a fire.
- Do not spray water onto the refrigerator. This may cause electric shock.

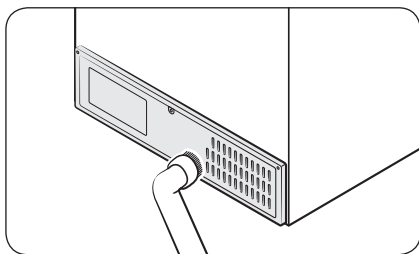
Regularly use a dry cloth to remove all foreign substances such as dust or water from the power plug terminals and contact points.

1. Unplug the power cord.
2. Use a moistened, soft, lint-free cloth or paper towel to clean the refrigerator's interior and exterior.
3. When done, use a dry cloth or paper towel to dry well.
4. Plug in the power cord.

Rubber seals

If the rubber seals of a door become dirty, the door may not close properly and reducing refrigerator performance and efficiency. Use a mild detergent and damp cloth to clean the rubber seals. Then, dry well with a cloth.

Rear panel



To keep cords and exposed parts of the rear panel free of dirt, vacuum the panel once or twice a year.

⚠ CAUTION

Do not remove the rear panel cover. Electric shock may occur.

Replacement

LED Lamps

To replace the lamps of the refrigerator, contact a local Samsung service center.

WARNING

- The lamps are not user-serviceable. Do not attempt to replace a lamp yourself. This can cause electric shock.

Lamp (Light Source)

This product contains a light source of energy efficiency class <G>.

The lamp(s) and/or control gear(s) are not user-serviceable. To replace the lamp(s) and/or control gear(s) in the product, contact a local Samsung service centre.

For detailed instructions on replacing lamp(s) or control gear(s) in your product, visit the Samsung website (<http://www.samsung.com>), go to Support > Support home, and then enter the model name.

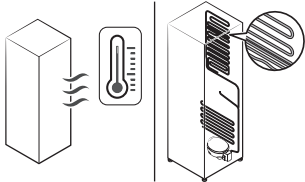
For detailed instructions on dismantling lamp(s) and/or control gear(s), simply follow the replacement instruction reached as described above.

Troubleshooting

Before calling for service, review the checkpoints below. Any service calls regarding normal situations (No Defect Cases) will be charged to users.

General

Temperature

Symptom	Possible causes	Solution
Fridge/freezer does not operate. Fridge/freezer temperature is warm.	<ul style="list-style-type: none"> Power cord is not plugged in properly. 	<ul style="list-style-type: none"> Properly plug in the power cord.
	<ul style="list-style-type: none"> Temperature control is not set correctly. 	<ul style="list-style-type: none"> Set the temperature lower.
	<ul style="list-style-type: none"> Refrigerator is located near a heat source or direct sunlight. 	<ul style="list-style-type: none"> Keep the refrigerator away from direct sunlight or a heat source.
	<ul style="list-style-type: none"> Not enough clearance between refrigerator and nearby walls or cabinets. 	<ul style="list-style-type: none"> Make sure there is a gap of at least 2.5 inches (5 cm) between the refrigerator back and sides and any nearby walls or cabinets.
	<ul style="list-style-type: none"> The refrigerator is overloaded. Food is blocking the refrigerator vents. 	<ul style="list-style-type: none"> Do not overload the refrigerator. Do not allow food to block vents.
Fridge/freezer is over-cooling.	<ul style="list-style-type: none"> Temperature control is not set correctly. 	<ul style="list-style-type: none"> Set the temperature higher.
Interior wall is hot.	<ul style="list-style-type: none"> Refrigerator has heat-proof piping in the interior wall. 	<ul style="list-style-type: none"> To prevent condensation from forming, the refrigerator has heat-proof piping in the front corners. If the ambient temperature rises, this equipment may not work effectively. This is not a system failure. 



Odors

Symptom	Possible causes	Solution
Refrigerator has odors.	<ul style="list-style-type: none"> Spoiled food. 	<ul style="list-style-type: none"> Clean the refrigerator and remove any spoiled food.
	<ul style="list-style-type: none"> Food with strong odors. 	<ul style="list-style-type: none"> Make sure strong smelling food is wrapped airtight.

Frost

Symptom	Possible causes	Solution
Frost around the vents.	<ul style="list-style-type: none"> Food is blocking the vents. 	<ul style="list-style-type: none"> Make sure no food blocks the refrigerator vents.
Frost on interior walls.	<ul style="list-style-type: none"> Door is not closed properly. 	<ul style="list-style-type: none"> Make sure food does not block the door. Clean the door gasket.

Condensation

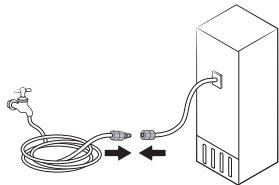
Symptom	Possible causes	Solution
Condensation forms on the interior walls.	<ul style="list-style-type: none"> If door is left open, moisture enters the refrigerator. 	<ul style="list-style-type: none"> Remove the moisture and do not leave a door open for extended periods of time.
	<ul style="list-style-type: none"> Food with high moisture content. 	<ul style="list-style-type: none"> Make sure food is wrapped airtight.

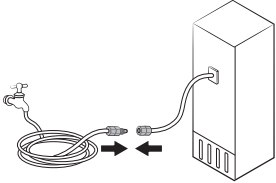
Water/ice (dispenser models only)

Symptom	Possible causes	Solution
Water flow is weaker than normal.	<ul style="list-style-type: none"> Water pressure is too low. 	<ul style="list-style-type: none"> Make sure the water pressure is between 30 to 125 psi (206 to 861 kPa).
Ice maker makes a buzzing sound.	<ul style="list-style-type: none"> The Ice Maker function is activated, but the water supply to the refrigerator has not been connected. 	<ul style="list-style-type: none"> Press Ice Maker.



Troubleshooting

Symptom	Possible causes	Solution
Ice maker does not make ice.	<ul style="list-style-type: none"> Ice maker has just been installed. 	<ul style="list-style-type: none"> You must wait for 12 hours for the refrigerator to make ice.
	<ul style="list-style-type: none"> Freezer temperature is too high. 	<ul style="list-style-type: none"> Set the freezer temperature below 0 °F (-18 °C) or -4 °F (-20 °C) in warm ambient air.
	<ul style="list-style-type: none"> Dispenser panel Lock is activated. 	<ul style="list-style-type: none"> Deactivate dispenser panel Lock.
	<ul style="list-style-type: none"> Ice maker is off. 	<ul style="list-style-type: none"> Turn on the ice maker.
Ice does not dispense.	<ul style="list-style-type: none"> Ice may jam if the ice dispenser is not used for a long time (approx. 3 weeks). 	<ul style="list-style-type: none"> If you won't be using the refrigerator for a long time, empty the ice bucket and turn off the ice maker.
	<ul style="list-style-type: none"> Ice bucket is not properly inserted. 	<ul style="list-style-type: none"> Make sure the ice bucket is properly inserted.
	<ul style="list-style-type: none"> Water line is not connected properly or water supply is not on. 	<ul style="list-style-type: none"> Check if the water line is installed correctly. Check if the water line stop cock is closed. 

Symptom	Possible causes	Solution
Water does not dispense.	<ul style="list-style-type: none"> Water line is not connected properly or water supply is not on. 	<ul style="list-style-type: none"> Check if the water line is installed correctly. Check if the water line stop cock is closed. 
	<ul style="list-style-type: none"> Dispenser panel Lock is activated. 	<ul style="list-style-type: none"> Deactivate dispenser panel Lock.
	<ul style="list-style-type: none"> A third-party water filter was installed. 	<ul style="list-style-type: none"> Use only Samsung-provided or approved filters. Unapproved filters may leak and damage the refrigerator.
	<ul style="list-style-type: none"> Water filter indicator turns on or blinks. 	<ul style="list-style-type: none"> Replace the water filter. After replacing, reset the filter indicator sensor.

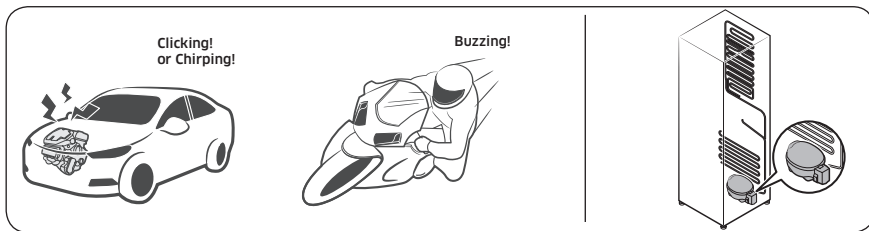
Troubleshooting

Do you hear abnormal sounds from the refrigerator?

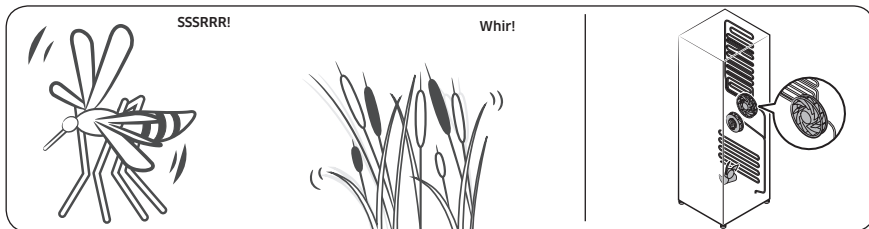
Before calling for service, review the checkpoints below. Any service calls related to normal sounds will be charged to the user.

These sounds are normal.

- When starting or ending an operation, the refrigerator may make sounds similar to a car engine igniting. As the operation stabilizes, the sounds will decrease.



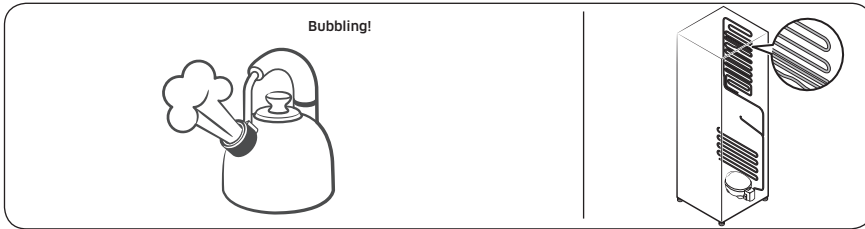
- While the fan is operating, these sounds may occur. When the refrigerator reaches the set temperature, no fan sound will occur.



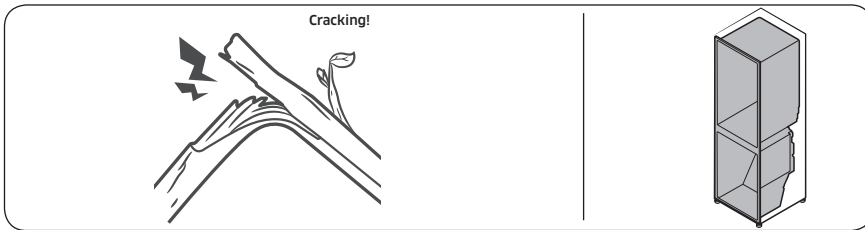
- During a defrost cycle, water may drip on the defrost heater, causing sizzling sounds.



- As the refrigerator cools or freezes, refrigerant gas moves through sealed pipes, causing bubbling sounds.



- As the refrigerator temperature increases or decreases, plastic parts contract and expand, creating knocking noises. These noises occur during the defrosting cycle or when electronic parts are working.



- For ice maker models: When the water valve opens to fill the ice maker, buzzing sounds may occur.
- Due to pressure equalizing when opening and closing the refrigerator door, whooshing sounds may occur.

Appendix

Safety Instruction

- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves and ice cube tray on the position supplied by manufacturer.
- This refrigerating appliance is not intended to be used as a built-in appliance.

Install Instruction

For refrigerating appliances with climate class

Depending on the climate class, This refrigerating appliance is intended to be used at ambient temperatures range as specified following table.

The climate class can be found on the rating plate. The product may not operate properly at temperatures outside of the specific range.

You can find climate class on label inside of your refrigerator

Effective temperature range

The refrigerator is designed to operate normally in the temperature range specified by its class rating.

Class	Symbol	Ambient Temperature range (°C)	
		IEC 62552 (ISO 15502)	ISO 8561
Extended Temperate	SN	+10 to +32	+10 to +32
Temperate	N	+16 to +32	+16 to +32
Subtropical	ST	+16 to +38	+18 to +38
Tropical	T	+16 to +43	+18 to +43

NOTE

The cooling performance and power consumption of the refrigerator may be affected by the ambient temperature, the door-opening frequency, and the location of the refrigerator. We recommend adjusting the temperature settings as appropriate.

Temperature Instruction

Recommended Temperature

The optimal temperature setting for food storage:

- Fridge: 3 °C
- Freezer: -19 °C

NOTE

The optimal temperature setting of each compartment depends on the ambient temperature. Above optimal temperature is based on the ambient temperature of 25 °C.

Power Cool

Power Cool speeds up the cooling process at maximum fan speed. The fridge keeps running at full speed for two and a half hours and then returns to the previous temperature.

Power Freeze

Power Freeze speeds up the freezing process at maximum fan speed. The freezer keeps running at full speed for 50 hours and then returns to the previous temperature. To freeze large amounts of food, activate Power Freeze for at least 20 hours before putting food in the freezer.

NOTE

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.

How to store for best preservation (applicable models only)

Cover foods to retain moisture and prevent them from picking up odors from other foods. A large pot of food like soup or stew should be divided into small portions and put in shallow containers before being refrigerated. A large cut of meat or whole poultry should be divided into smaller pieces or placed in shallow containers before refrigerating.

Placement of Foods

Shelves	Shelves should be adjustable to accommodate a variety of packages.
Specialized compartment (applicable models only)	Sealed crisper drawers provide an optimal storage environment for fruits and vegetables. Vegetables require higher humidity conditions while fruits require lower humidity conditions. Crispers are equipped with controls devices to control the humidity level. (*Depending on model and options) An adjustable temperature meat drawer maximizes the storage time of meats and cheeses.

Appendix

Stored on the door	Don't store perishable foods in the door. Eggs should be stored in the carton on a shelf. The temperature of the storage bins in the door fluctuate more than the temperature in the cabinet. Keep the door closed as much as possible.
Freezer Compartment	You can store frozen food, make ice cubes and freeze fresh food in the freezer compartment.

NOTE

Freeze fresh, undamaged food only. Keep food which is to be frozen away from food which is already frozen. To prevent food from losing its flavour or drying out, place in airtight containers.

Refrigerator & Freezer Storage Chart

The freshness longevity depends on temperature and exposure to moisture. Since product dates aren't a guide for safe use of a product, consult this chart and follow these tips.

Milk products

Product	Refrigerator	Freezer
Milk	1 week	1 month
Butter	2 weeks	12 months
Ice cream	-	2-3 weeks
Natural cheese	1 month	4-6 months
Cream cheese	2 weeks	Not recommended
Yogurt	1 month	-

Meat

Product	Refrigerator	Freezer
Fresh roasts, steaks, chops	3-4 days	2-3 months
Fresh ground meat, stew meat	1-2 days	3-4 months
Bacon	7 days	1 month
Sausage, Raw from pork, beef, turkey	1-2 days	1-2 months

Poultry / Eggs

Product	Refrigerator	Freezer
Fresh poultry	2 days	6-8 months
Poultry salad	1 day	-
Eggs, Fresh in shell	2-4 weeks	Not recommended

Fish / Seafood

Product	Refrigerator	Freezer
Fresh fish	1-2 days	3-6 months
Cooked fish	3-4 days	1 month
Fish salad	1 day	Not recommended
Dried or pickled fish	3-4 weeks	-

Fruits

Product	Refrigerator	Freezer
Apples	1 month	-
Peaches	2-3 weeks	-
Pineapple	1 week	-
Other fresh fruit	3-5 days	9-12 months

Vegetables

Product	Refrigerator	Freezer
Asparagus	2-3 days	-
Broccoli, Brussels sprouts, green peas, mushrooms	3-5 days	-
Cabbage, cauliflower, celery, cucumbers, lettuce	1 week	-
Carrots, beets, radishes	2 weeks	-

Appendix

Information for model and ordering spare parts

Model information

To access the EPREL registration of the model :

1. Go to <https://eprel.ec.europa.eu>
2. Get the model identifier from the energy label of the product and type it in the search box
3. Energy Labelling information of the model is shown

Part information

- The minimum period during which spare parts, necessary for the repair of the appliance, are available
 - 7 Years thermostats, temperature sensors, printed circuit boards and light sources, door handles, door hinges, trays, baskets (boxes or drawers)
 - 10 Years door gaskets
- The minimum duration of the guarantee of the refrigerating appliance offered by the manufacturer 24 Months.
- Relevant information for ordering spare parts, directly or through other channels provided by the manufacturer, importer or authorized representative
- You can find professional repair information on <http://samsung.com/support>. You can find user servicing manual on <http://samsung.com/support>.

Memo

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
UK	0333 000 0333	www.samsung.com/uk/support
IRELAND (EIRE)	0818 717100	www.samsung.com/ie/support
SOUTH AFRICA	0860 SAMSUNG (726 7864)	www.samsung.com/za/support



DA68-04132L-04