Refrigerator

User manual

Free Standing Appliance

SAMSUNG

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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.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer. The room must be 1 m^3 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, 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 ice cream 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 outside the area of the rear of the appliance and easily accessible so that the appliance can be quickly disconnected from the supply in an emergency.
- 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.
- 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.

Safety information

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.
  - 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 of 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.
- 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.
- 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, 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.

- 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 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 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.
- 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.

Safety information

- 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.
- 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.
- 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.
- 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.

Safety information

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.

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 injured 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.
- 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.

Safety information

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.

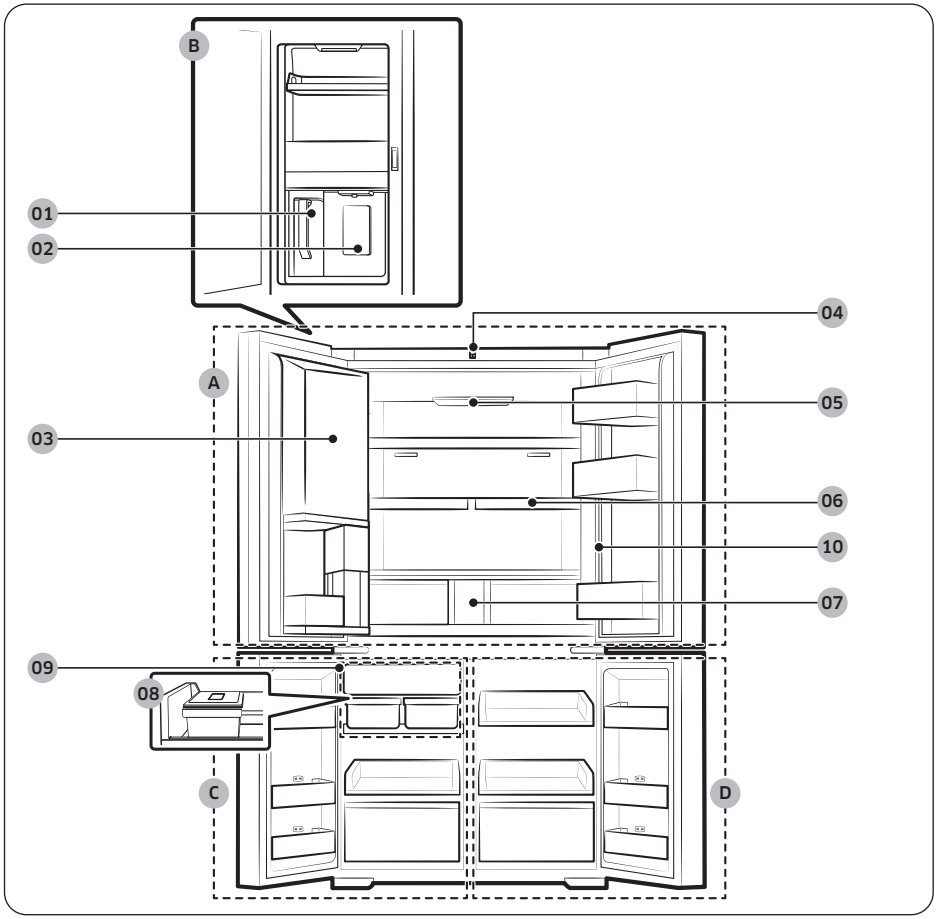
⚠ WARNING

- 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.

Installation

Refrigerator at a glance

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



01 AutoFill Pitcher **

02 Water dispenser **

03 Beverage Zone *

04 Camera *

05 UV Deodorizing Filter *

06 Quick Space shelf

07 Water filter **

08 Tray Ice Maker *

09 Auto Ice Maker **

10 Main panel * (General type)

A. Fridge
B. Beverage Center **
C. Freezer
D. Cool Select+

* Applicable models only
** Dispenser 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.
- If the internal or external LED lamp is out of order, contact a local Samsung service center.

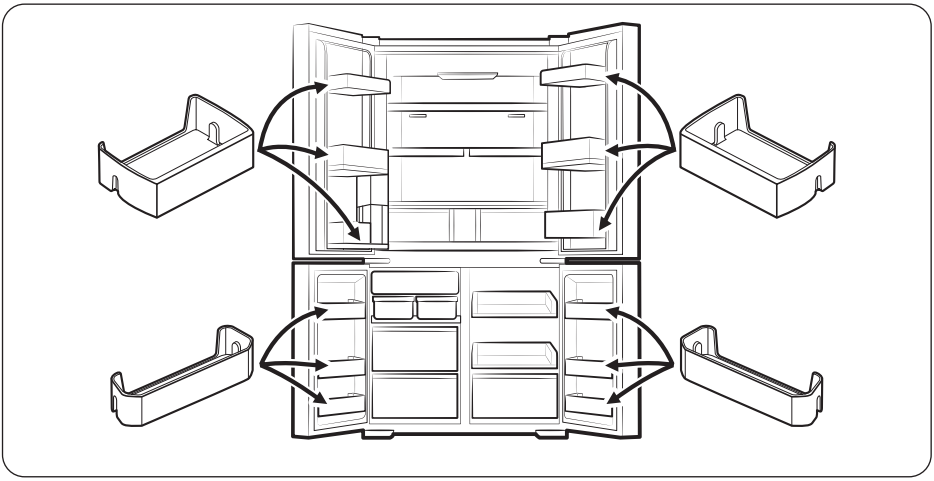
Installation

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.

NOTE

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



Step-by-step installation

STEP 1 Select a site

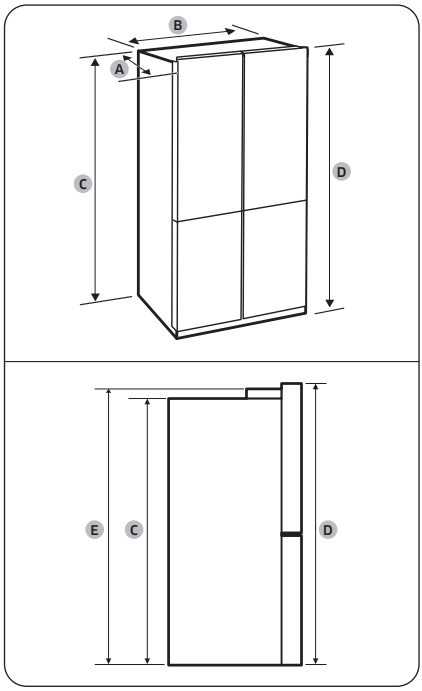
The site must:

- Have a solid level surface without carpeting or flooring that may obstruct ventilation
- Be out of direct sunlight
- Have adequate room for opening and closing the door
- Be away from any heat source
- Provide room for maintenance and servicing

Installation

Clearance

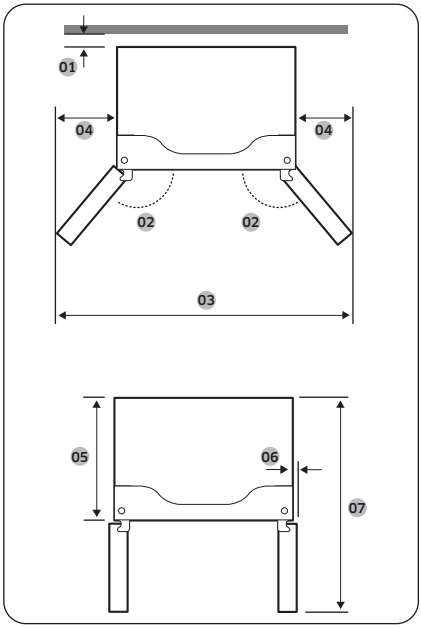
See the following figures and tables for installation space requirements.



Model	RF65DB*	RF65DG*
A	731	723
B	912	912
C	1797	1797
D	1853	1830
E	1830	1830

(Unit: mm)

A. Depth
B. Width
C. Height (without hinge)
D. Overall Height
E. Height (with hinge)



Model	RF65D**
01	more than 50 mm recommended
02	125°
03	1498
04	295
05	610
06	55
07	1093

(Unit: mm)

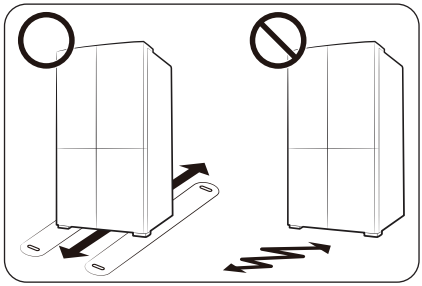
NOTE

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

Installation

STEP 2 Flooring

If the refrigerator cannot pass through the entrance due to its size, see STEP 3 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.

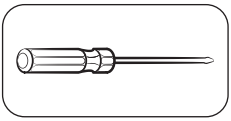
STEP 3 Door removal for entrance

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 33 to continue the installation procedure.

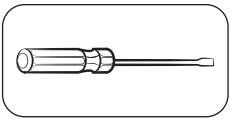
⚠ WARNING

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

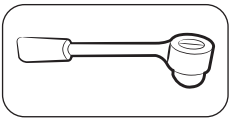
Tools required (not provided)



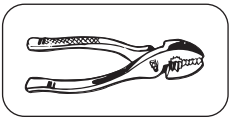
Phillips screwdriver



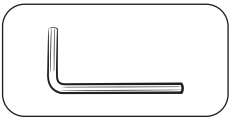
Flat-head screwdriver



Socket wrench 3/8" (10 mm)

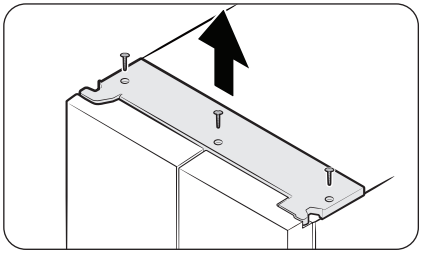


Pliers

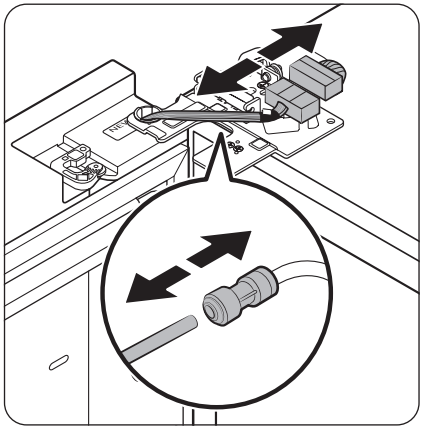


Allen wrench 1/4" (5 mm)

Detach the fridge doors



1. With the doors closed, use a Phillips screwdriver to remove the screws (x3) from the top cover. Pull up and remove the top cover with the connectors.

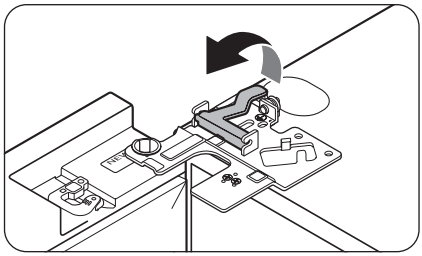


2. Disconnect the two wire connectors on the left door. The position of the connectors differs with the model.

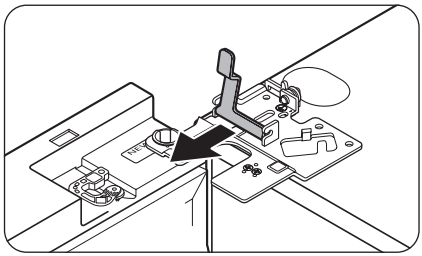
⚠ CAUTION

- Do not remove both doors simultaneously. Make sure to remove one door at a time. Otherwise, any of the doors may fall and cause physical injury.
- Make sure the refrigerator is off before disconnecting the connectors.

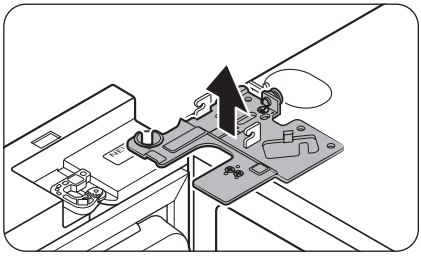
3. Disconnect the water tube from the coupler on the left door as shown.
   - This step does not apply to the models without the AutoFill pitcher and the water dispenser.



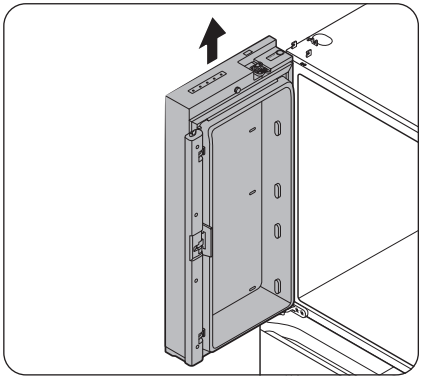
4. Gently draw up the clamp in several steps. To prevent finger injuries, do not apply a sudden force to the clamp.



5. Pull up the clamp to remove.



6. Open the door 90 degrees. While holding the door, pull up and remove the top hinge. Be careful not to damage the connector wires when you remove the hinge.



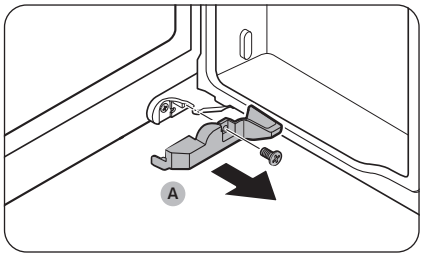
7. Gently pull up the door vertically to remove. Do not apply excessive force to the door. The door may fall, causing physical injury.
8. Lay the door down on a flat surface.
9. Repeat steps 1-8 for the other door, except for step 3. There is no water tube on the right side door.
   - Step 2 does not apply to the models without the Showcase door.

Installation

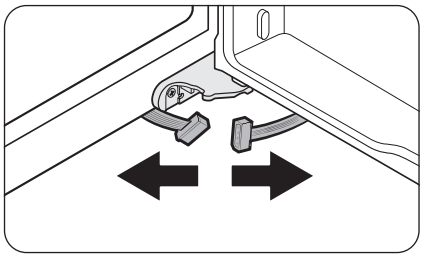
Detach the freezer doors

⚠ CAUTION

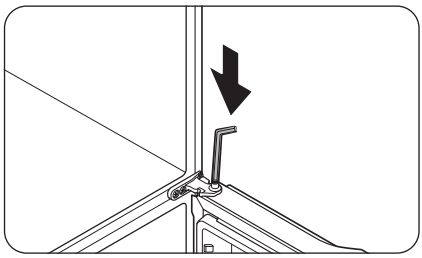
- Be sure to remove the fridge doors before removing the freezer doors.
- Use caution when disconnecting the bottom connectors.



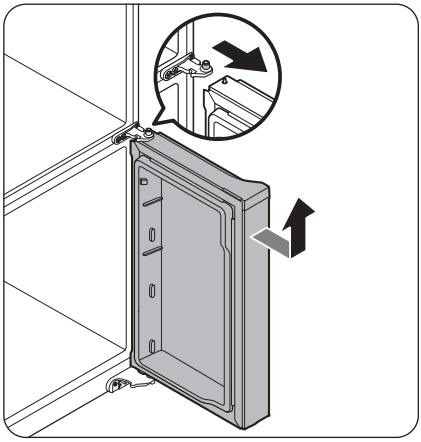
1. Open the freezer door.
2. Use a Phillips screwdriver to remove the screw holding the **cover (A)**. (applicable models only)
   - This step only applies to the right side freezer door (Cool Select+ door).



3. Disconnect the wire connectors. (applicable models only)
   - This step only applies to the right side freezer door (Cool Select+ door).



4. Locate the hinge shaft. While holding the door with one hand, use a flat-head screwdriver or Allen wrench to press the shaft down. Make sure to hold the door to prevent the door from falling.

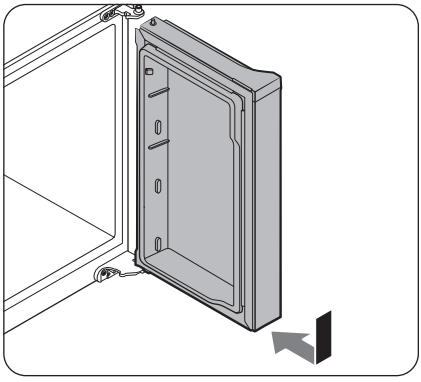


5. To prevent contact with the middle hinge, slightly tilt the door to the front, and then lift it up to remove.
6. Repeat steps 1-5 for the other door, except for steps 2 and 3.

To reattach the freezer doors

⚠ CAUTION

- After re-attaching the doors, make sure all the electrical connectors are properly connected.
- The freezer doors must be re-attached before the fridge doors.
- Be careful not to damage or step on the wires during this process.

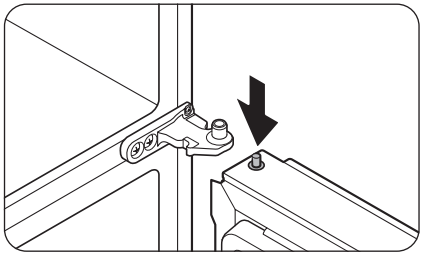


1. Insert the freezer door into the bottom hinge while pushing the freezer door in the direction of the arrow.

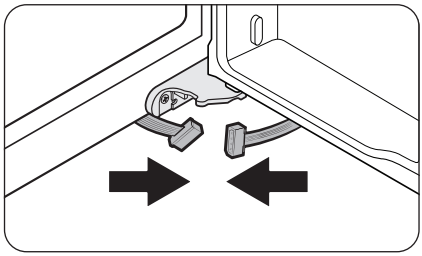
⚠ CAUTION

- Be careful not to damage or step on the wires during this process.

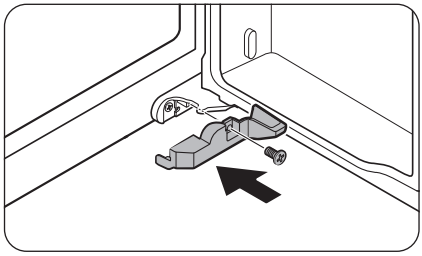
Installation



2. While pressing the hinge shaft down, position the door so that the hinge shaft is below the shaft hole in the middle hinge. Release the hinge shaft so that it enters the shaft hole.



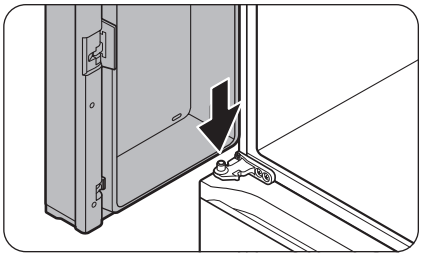
3. With the door open, connect the bottom connectors in the direction of the arrows. (applicable models only)
- This step only applies to the right side freezer door (Cool Select+ door).



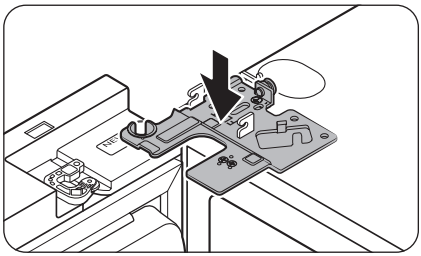
4. Attach the cover using a Phillips screwdriver. Be careful not to damage or step on the connectors. (applicable models only)
- This step only applies to the right side freezer door (Cool Select+ door).

5. Repeat steps 1-5 for the other door, except for steps 3 and 4.

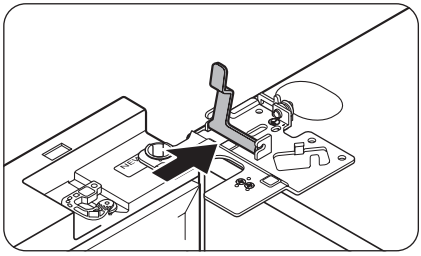
To reattach the fridge doors



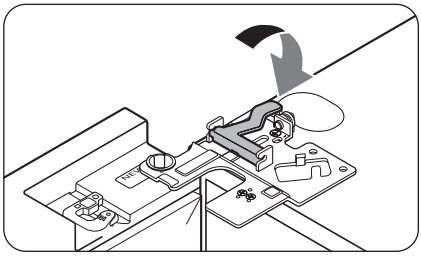
1. While holding the door open by more than 90 degrees, insert the shaft on the middle hinge into the hole on the bottom of the door.



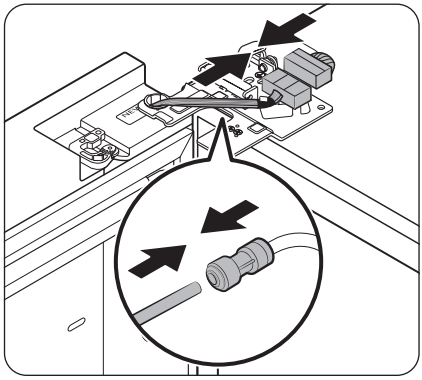
2. Put the top hinge into position on the top of the refrigerator, and then insert the hinge shaft into the top hole of the door. Make sure the wires from the door pass through the hole in the hinge shaft.

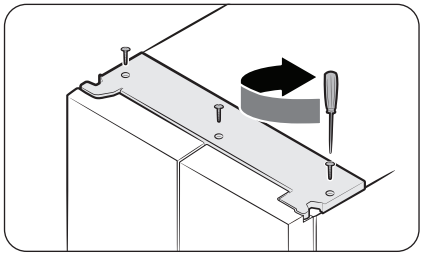


3. Insert the clamp in the direction of the arrow.



4. Push back the clamp as shown.





5. Connect the wire connectors.

⚠ CAUTION

- Make sure the wire connectors are connected properly. Otherwise, the display will not operate.

6. Connect the water tube.
   - This step does not apply to the models without the AutoFill pitcher and the water dispenser.

⚠ CAUTION

- To prevent water leaks, make sure the red clips tighten the coupler properly.
- Keep the clips out of children's reach.

7. Repeat steps 1-5 for the other door.
   - Step 5 does not apply to the models without the Showcase door.

8. Attach the top cover with the front side first, and then press down on its back to get it into position. Then, tighten the screws (x3).

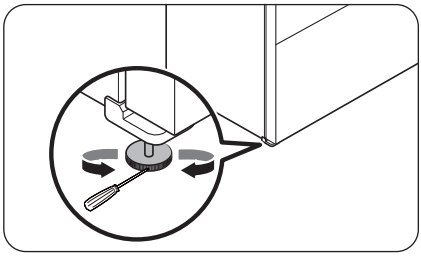
STEP 4 Leveling the refrigerator

Adjusting the front height

⚠ CAUTION

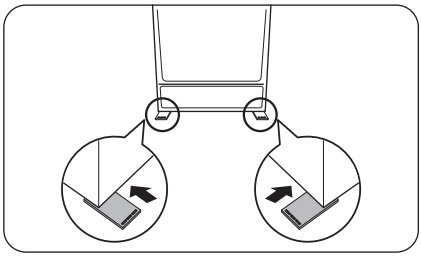
- When installed, the refrigerator must be leveled on a flat, solid floor. Not leveling the refrigerator can cause damage to the refrigerator or physical injury.
- Leveling must be performed with the refrigerator empty. Make sure no food items are inside the refrigerator.
- For safety reasons, adjust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

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



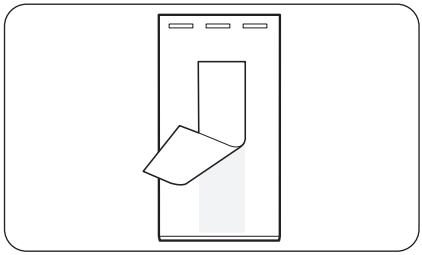
Insert a flat-head screwdriver into the leveler of the front left or right leg. Turn the leveler clockwise to raise or turn it counterclockwise to lower.

Adjusting the rear side height (applicable models only)

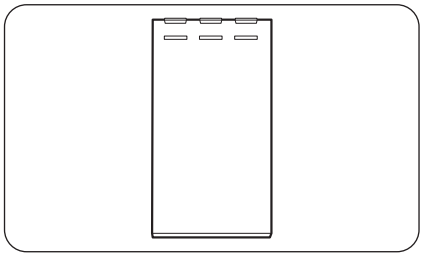


If you need to raise the rear side of the refrigerator to level it, you can use the provided level adjustment pad(s). Follow these instructions to raise the rear side of the refrigerator.

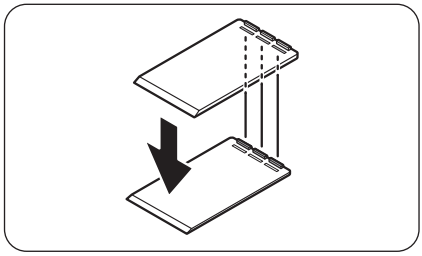
Installation



1. Choose the position on the floor where you need to attach the level adjustment pad.
2. Peel the double-sided tape on the bottom of the level adjustment pad.



3. Attach the level adjustment pad to the floor.



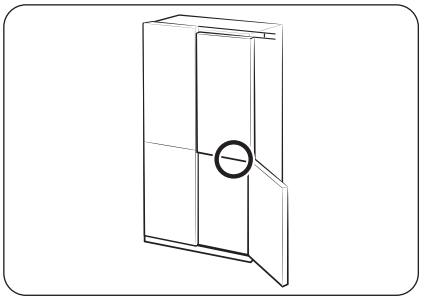
4. If you need to further raise the rear height, attach another adjustment pad on top of the first level adjustment pad.

NOTE

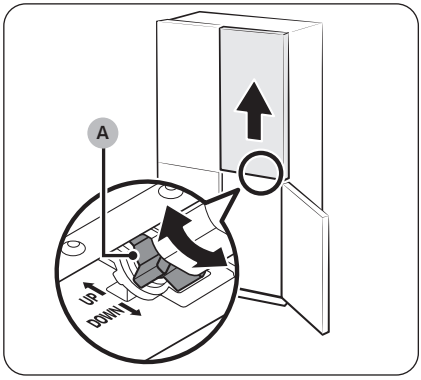
- You may skip this step if you can level the refrigerator using a single attachment pad.
- Make sure the ribs on the first adjustment pad are inserted into the grooves of the second level adjustment pad.

STEP 5 Adjust the door height

Adjusting the height with the height lever (applicable models only)



- Before aligning the door height, make sure the refrigerator is level. Use the leveling legs for this purpose.
- You can use the height lever at the bottom of the right-side door of the fridge. Open the right-side door of the freezer with both fridge doors closed and use the lever to adjust the door height.



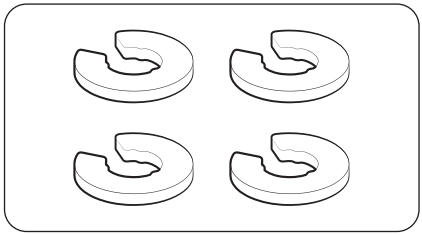
- Turn the height lever (A) until the two doors are aligned at the top. Turn the lever toward UP (as marked) to raise the right-side door and turn it toward DOWN (as marked) to lower the door.
- Lift the fridge door slightly to make alignment easier. The maximum adjustable height is 3 mm.
  - The lever will not turn past the maximum limit. It may make a noise it if is turned too far.
  - Excessive height may interfere with the upper hinge cover of the fridge door.
- If you align the door height with the door bins empty and then store items in the bins, the heights may differ again. If this happens, follow the steps above to realign the doors.

Installation

Adjusting the height with the snap rings

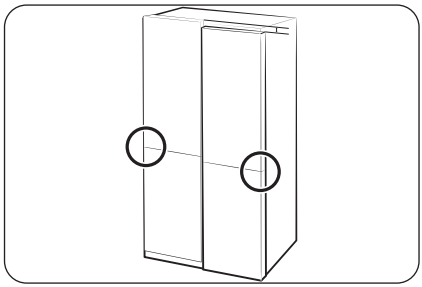
For the models with the height lever on the right-side door of the fridge, use the snaps rings only if you cannot align the doors with the height lever.

You may find the provided snap rings inside the fridge drawer.

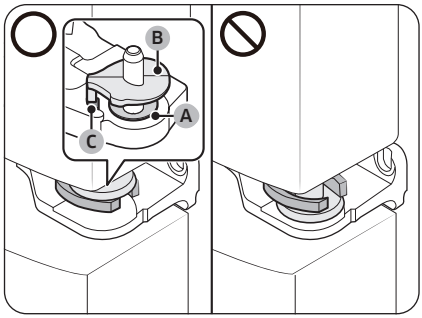


NOTE

The height of a door can be adjusted using the provided snap rings, which come in 4 different sizes (1 mm, 1.5 mm, 2 mm, and 2.5 mm).



1. Check the height difference between the doors, and then lift up and hold the door with the lower height.



2. Insert a suitable-sized snap ring (A) between the door grommet (B) and the hinge as shown.

NOTE

Ensure the snap ring (A) is inserted beneath the door grommet (B).

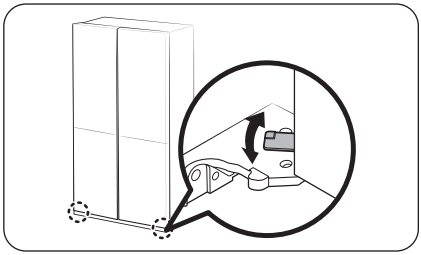
Ensure the shaft of the door grommet (B) is inserted into the hole (C) in the hinge.

⚠ CAUTION

- Insert only one snap ring. If you insert two or more snap rings, the rings may slip out or make a rubbing noise.
- Keep the snap rings out of children's reach and keep them for future use.
- Do not raise the door too much. The door can contact and damage the top cover.

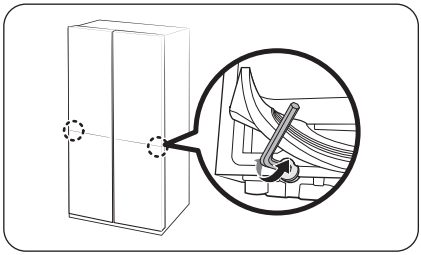
- If the ring is placed above the grommet, it may cause noise when the refrigerator door is opened or closed.

Adjusting the freezer door height (applicable models only)



- Before aligning the door height, make sure the refrigerator is level. Use the leveling legs for this purpose.
- You can adjust the height of both freezer doors using the lever located at the bottom hinge.
- Open the door, lift it a little, and then turn the lever left or right to adjust the height.

Adjusting the gap between the fridge doors and the main body of the refrigerator (applicable models only)



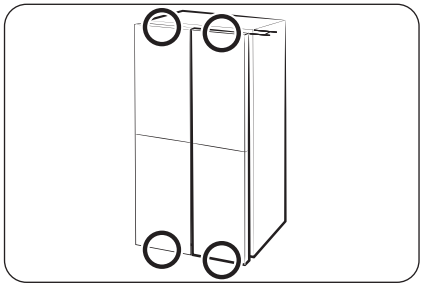
- You can adjust the gap between both fridge doors and the main body of the refrigerator using the adjustment bolt located at the bottom of the fridge compartment.
- Lift the door gasket and located the adjustment bolt underneath the gasket. Use the 4 mm Allen wrench to adjust the gap.

⚠ CAUTION

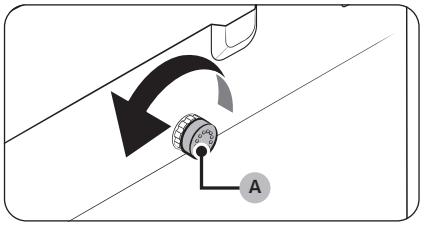
Make sure you firmly attach the gasket. Otherwise, cold air from the refrigerator may leak.

Installation

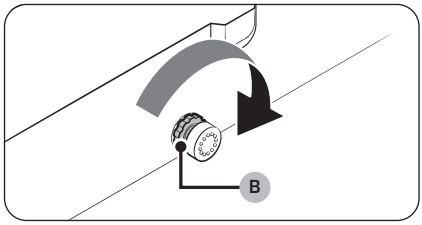
Adjusting the gap between the doors and the main body of the refrigerator (applicable models only)



You can adjust the gap between all four doors and the main body of the refrigerator using the adjustment dial. (Refer to the figure for the location of the adjustment dial.)



1. Open the door that is closer to the main body than the others. Then, turn the **adjustment dial (A)** counterclockwise until the gap becomes even with the others.



2. After adjusting the gap, turn the **locking nut (B)** to lock the **adjustment dial**.

NOTE

Each time you turn the **adjustment dial**, the gap is adjusted by 1 mm. However, the door may not close properly if you adjust the door by more than 1.5 mm.

STEP 6 Connect to a water line (applicable models only)

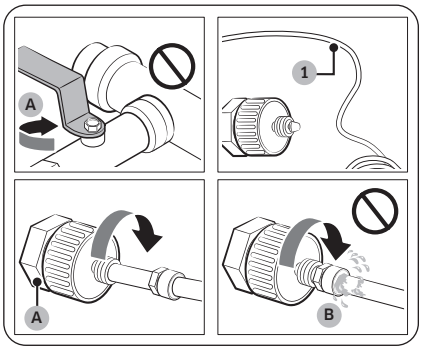
⚠ CAUTION

- The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.
- The water line must be connected by a qualified technician.
- The warranty for your refrigerator does not cover the water line installation. The water line installation will be performed at your own costs unless the installation fee is included in the retailer's price.
- Samsung takes no responsibility for the water line installation. If water leaks occur, contact the installer of the water line.

To connect the cold water pipe to the water filtering hose

⚠ CAUTION

- Make sure the water filtering hose is connected to a cold, potable water source pipe. Connecting to the hot water pipe may cause the purifier to malfunction.

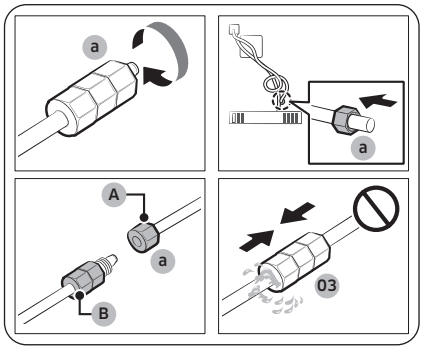


A. Close Main Water pipe
B. No gap

1. Shut off the main water supply by closing the main water valve.
2. Locate the cold, potable water pipe (1).
3. Follow the Water Line Installation to connect to the water pipe.
4. When connection is complete, open the main water valve and dispense about 3 liters of water. This is to remove impurities inside the pipe.

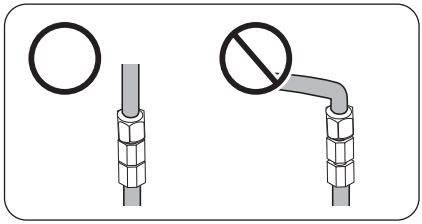
Installation

To connect the water filtering hose to the water line



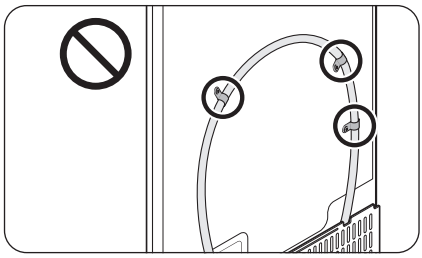
A. Water Line from unit
B. Water Line from Kit

1. Loosen and remove the **compression nut (a)** from the water line of the refrigerator, and insert it to the water filtering hose.
2. Tighten up the **compression nut (a)** to connect the water filtering hose and the water line.
3. Open the main water valve and check for any leaks.
4. If there are no leaks, dispense about a 3 liters of water before actually using the refrigerator to remove impurities inside the water filtering system.



NOTE

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



⚠ CAUTION

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

To repair the water line

⚠ CAUTION

The waterline must be repaired by a qualified professional. If you encounter a water leak, contact a local Samsung service centre or the installer of the waterline.

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.
   Recommended Temperature: Fridge 3 °C / Freezer -19 °C (The optimal temperature setting of each compartment depends on the ambient temperature.)

STEP 8 Final check

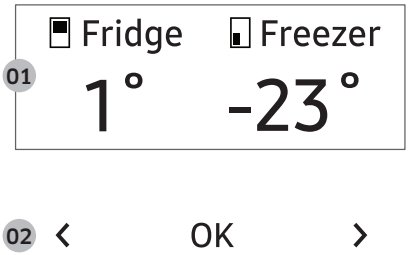
When installation is complete, confirm that:

- 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

General type



01 Display	Displays the menu, settings, and other information.
02 Buttons	• When the display is off, tap any button to wake up the display. • Tap < or > to navigate left and right. • Tap **OK** to confirm your selection. • Tap and hold **OK** to enter the AP mode. (For more information, see the "**SmartThings** > **Getting started**" section on page **51**.)

NOTE

- If the door is left open for 5 minutes, the internal light will blink for 5 minutes and turn off. It is to alert deaf and hard of hearing users that a door is open. Note that this function is normal.
- 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. It is normal. During this time, you need not set the temperature again.

Using the main panel

1. Tap any button (<, **OK**, or >) to wake up the display.
2. Tap < or > to select the desired menu, and then tap **OK** to confirm.
3. Tap < or > to select the desired setting, and then tap **OK** to confirm.
   - For more information on available settings, see the **Menu descriptions** section.

Menu descriptions

Fridge	• You can set the fridge temperature from 1 to 7 ˚C or set the Power Cool function. • 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.
Freezer	• You can set the freezer temperature from -23 to -15 ˚C or set the Power Freeze function. • 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.
Cool Select+	• You can set the Cool Select+ mode from one of the following modes. - Freeze: The temperature is set to the same temperature as the freezer. - Soft Freeze: The temperature is set to -5 ˚C. - Meat/Fish: The temperature is set to -1 ˚C. - Fruit/Veggies: The temperature is set to 2 ˚C. - Beverage: The temperature is set to 5 ˚C. **⚠ CAUTION** • Select the Cool Select+ mode according to the type of food you store in there. • Do not store meat or food in the Cool Select+ with the Fruit/Veggies or Beverage mode. Meat or food may spoil. • Do not store glass bottles in the Cool Select+ in Freeze or Soft Freeze mode. They may break and cause physical injury.

Beverage Zone *	• You can set the Beverage Zone mode from one of the following modes. - **Beverage**: The temperature is set to the same temperature as the fridge. - **Dessert**: The temperature is set to 4 to 5 °C higher than the fridge, which is ideal for keeping desserts, butter, and jam. **⚠ CAUTION** • Storing food in Dessert mode can result in a shorter storage time period because the temperature is higher than in the fridge. Therefore, if the food is not going to be consumed within a few days or is sensitive to temperature changes, keep it in the fridge. • Store any opened or leftover desserts, butter, jams, etc. in the Beverage mode or in the fridge. **NOTE** • Beverage Zone is for storing beverages, and desserts that you plan to consume immediately. • The number of door openings, amount of stored foods, and temperature setting can affect the storage time.
AutoFill Pitcher *	• You can set the AutoFill Pitcher mode from one of the following modes. - **On**: Set to fill your water pitcher automatically. - **Off**: Set to turn off the function. **NOTE** You can put tea or fruit into the infuser to make infused tea or water. If you want to keep the infused water in its initial concentration, turn the AutoFill Pitcher function off. (For more information, see the **Water pitcher (Autofill Pitcher) (applicable models only)** section on page **57**.)
Cubed Ice *	You can start or stop making cubed ice.
Ice Bites *	You can start or stop making ice bites.

Whiskey Ball Ice *	• You can start or stop making ice balls. The ice maker can make 3 ice balls at once, and the ice maker can make 3 to 9 ice balls every 24 hours. • You can select the option from **3 spheres**, **6 spheres**, **9 spheres***, **Off**. (Default setting: **6 spheres**) - **3 spheres**: The ice maker makes 3 ice balls approximately every 24 hours. - **6 spheres**: The ice maker makes 3 ice balls approximately every 12 hours. - **9 spheres***: The ice maker makes 3 ice balls approximately every 8 hours. • The ice is more transparent if you choose the smaller amount. • The ice maker stops making ice when it detects the full ice bucket (usually about 12 to 15 ice balls, depending on how the ice balls are stacked within the ice bucket). - To make new ice, make some room in the ice bucket by removing the ice balls. • The ice maker may stop making ice depending on the way ice balls stack in the ice bucket. Arrange the ice balls if too many ice balls stack on one side of the bucket. • The ice maker may not produce perfect sphere-shaped ice or you may notice air bubbles in the ice after the freezer has just been installed, the filter has been replaced, or if the power has been off for a certain time because of a power outage. - If you want to eliminate air bubbles in the ice, pour out the AutoFill Pitcher 6 times (about 12 liters). **⚠ CAUTION** • Make sure to put the whiskey ball ice maker pad in the right direction. (For more information, see the **Auto Ice maker (applicable models only)** section on page **61**.) - The ice maker may stop making whiskey ball ice if you remove the whiskey ball ice maker pad from the ice bucket or if it is inserted in the wrong direction.

Settings	You can change the settings for the following functions. Tap 〈 or 〉 to select the menu, and then tap **OK** to confirm. **UV Deodorizing Filter** *: You can turn the UV Deodorizing Filter on or off. **Auto Open Door** *: You can turn the Auto Open Door function on or off. (For more information, see the **Auto Open Door function (applicable models only)** on **55** page.) **Water Filter Reset** *: When you get the filter replacement message on the display, select this menu, and replace the filter according to onscreen instructions. **Welcome Lighting** *: You can turn on or off the Welcome Lighting (For more information, see the **Welcome Lighting (applicable models only)** section on page **54**.) **Sounds**: You can turn on or off the sound of the buttons (and Auto Open Door function*). **Door Alarm**: You can turn on or off the Door Alarm. **Wi-Fi**: You can turn on or off the Wi-Fi Connect. Turn it on to control and monitor your refrigerator on the SmartThings app. (For more information on SmartThings, see the **SmartThings** section on page **50**.)

* applicable models only

NOTE

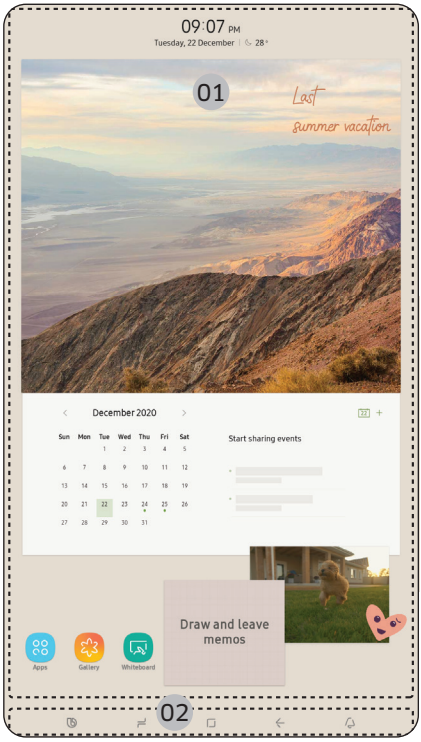
Using Power Cool or Power Freeze increases energy consumption.

Family Hub type

Home screen

NOTE

- For more information about other menus and apps available on the Refrigerator app. See the Online manual of your refrigerator.
- The content of apps and widgets, or their design is subject to change or support may be discontinued without notice, depending on the content provider's policy.
- Children's use of the refrigerator's functions, apps, and services must be supervised by adults.
- Underage transactions with the services must be supervised by adults.



01 Home screen
02 Soft buttons

⚠ CAUTION

When the refrigerator door is subjected to impact, a temporary change in screen brightness may occur. This is a normal characteristic of the display panel. The brightness will return to normal after the door is closed and does not indicate a product malfunction.

Operations

01 Home screen

- Tap a desired app or widget to launch it.
- On the home screen, you can add or remove items such as apps, widgets, pictures, videos, drawings, and texts.
- Tap and hold an item to enter Edit mode. In Edit mode, you can drag and drop an item to a new location on the home screen. When you move the item to a new location, the item turns red if the location is not available.

02 Soft buttons



01 Bixby
- Tap to use Bixby.

02 Task Manager
- Tap to open the Task Manager.

03 Home
- Tap to open the Home screen.

04 Return
- Tap to return to the previous screen.

05 Notification
- Tap to display the Quick Panel.

06 Hide/Show
- Tap to hide or show Soft buttons.
- The Hide/Show button only appears when an app is active.

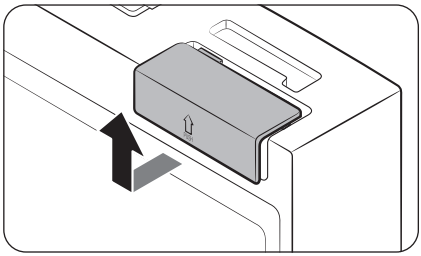
Fridge Manager

On the Home screen, tap the **Fridge Manager** app.

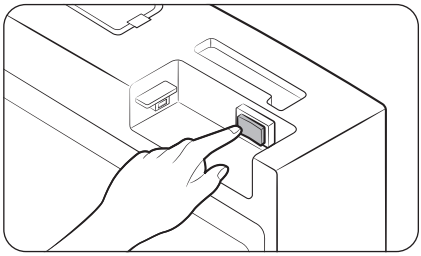
- You can set the desired temperature or modes for each compartment.
- For more detailed information on the Fridge Manager app, check the online manual.
- To access the online manual from your Family Hub refrigerator, tap **Setting** > **Help & Contact Us** > **Online Manual**.

Display reset (applicable models only)

If you encounter an abnormal symptom on the display, try resetting the display. This may solve the symptom.



1. Open the right-side fridge door and locate the switch cover on the top right corner of the door.
2. Push up the cover to reveal the power switch.



3. Turn the switch off and turn it on again.
4. Reinsert the switch cover to the end until you hear a clicking sound.

Operations

SmartThings

Installation

Visit the Google Play Store, Galaxy Apps, or Apple App Store and search for “SmartThings”. Download and install the SmartThings app provided by Samsung Electronics to your smart device.

NOTE

- The supporting software version of the SmartThings app is subject to change according to the OS supporting policy the manufacturer provides. In addition, as for the SmartThings app or the functions that the app supports, the new application update policy on the existing OS version can be suspended due to usability or security reasons.
- The SmartThings app is subject to change without notice to improve usability or performance. As the mobile phone OS version is updated every year, the SmartThings is also updated continually according to the latest OS. If you have enquiries regarding the items mentioned above, please contact us on st.service@samsung.com
- Recommended encryption systems include WPA/TKIP and WPA2/AES. Any newer or non-standard Wi-Fi authentication protocols are not supported.
- Wireless networks may be affected by the surrounding wireless communication environment.
- If your Internet service provider has registered the MAC address of your PC or modem for identification, your Samsung Smart Refrigerator may fail to connect to the Internet. If this happens, contact your Internet service provider for technical assistance.
- The firewall settings of your network system may prevent your Samsung Smart Refrigerator from accessing the Internet. Contact your Internet service provider for technical assistance. If this symptom continues, contact a local Samsung service center or retailer.
- To configure the wireless access point (AP) settings, see the user manual of the AP (router).
- Samsung Smart Refrigerators support both Wi-Fi 2.4 GHz with IEEE 802.11 b/g/n and Soft-AP protocols. (IEEE 802.11 n is recommended.)
- Unauthorized Wi-Fi wireless routers may fail to connect to applicable Samsung Smart Refrigerators.

Samsung account

You are required to register your Samsung account to use the app. If you don't have a Samsung account, follow the app's onscreen instructions to create a free Samsung account.

Getting started

Turn on the device you want to connect, open the SmartThings app on your phone, and then follow the instructions below.

If a pop-up appears saying that a new device has been found, tap **ADD NOW**.

If a pop-up doesn't appear, tap the **+** button, and then select the device you want to connect from the list of available devices.

If your device isn't in the list of available devices, tap **Supported Devices**, select the device type (Refrigerator), and then select the specific device model.

Follow the instructions in the app to set up your device. Once setup is complete, your refrigerator will appear as a "card" on your **Devices** screen.

Integrated control

You can monitor and control your refrigerator at home and on the go.

- Tap the refrigerator icon on the SmartThings Dashboard or tap the Devices icon at the bottom of the Dashboard, and then tap the refrigerator "card" to open the Refrigerator page.
- Check the operation status or notifications related to your refrigerator, and then change options or settings if necessary.

NOTE

Some options or settings of the refrigerator may not be available for remote control.

Operations

Category	Item	Description
Monitor & Control	Fridge Temperature	You can set and monitor the desired temperature of the fridge.
	Freezer Temperature	You can set and monitor the desired temperature of the freezer.
	Power Cool	You can turn Power Cool on or off, and check the current settings.
	Power Freeze	You can turn Power Freeze on or off, and check the current settings.
	Cool Select+	You can set and monitor the desired mode of the Cool Select+.
	Cubed Ice * Ice Bites * Whiskey Ball Ice *	You can turn the ice making function on or off, and check the current settings of the function.
	AutoFill Pitcher *	You can turn the AutoFill Pitcher function on or off, and check the current settings of the function.
Alarms	Abnormally high temperature	This alarm is triggered when the fridge, the freezer, or the Cool Select+ has abnormally high temperatures.
	Door opening	This alarm is triggered if the fridge door, the freezer drawer, or the Cool Select+ drawer is open for a specific time.
	Autofill Pitcher overflowing *	If the Autofill Pitcher function senses an overflow, it triggers this alarm to let you know the status of the overflow.
	Water filter replacement *	This alarm reminds you that the water filter must be replaced.
inside image *		You can view the inside of the refrigerator and can see if you need to replace food items.

* applicable models only

Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For more information on security updates, visit https://security.samsungda.com.

* The website supports only some languages.

Recommendations for voice recognition

(Applicable to Family Hub type only)

For the voice recognition function, there is a built-in microphone at the top of the refrigerator's display. To use the voice recognition function:

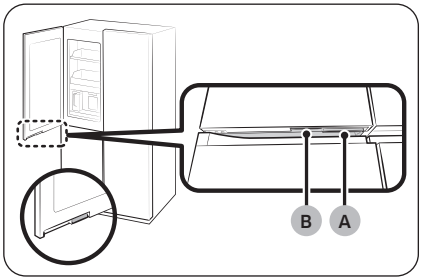
- Stand no more than 1 meter from the refrigerator and speak loudly and clearly towards the built-in microphone.
- Speak at a regular pace. Reduce ambient noises, such as noises from a living-room TV.

NOTE

The voice recognition function may not work if you stand more than 1 meter away or if you speak too softly.

Special features

Beverage Center (applicable models only)

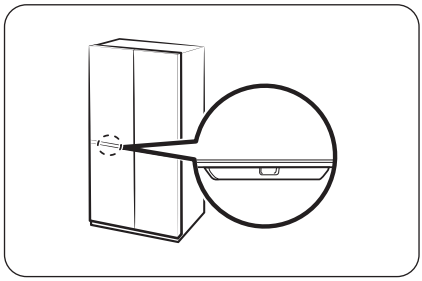


A. Fridge door handle
B. Beverage Center handle

The left fridge door has two handles on the bottom. To use the autofill pitcher, drink cold or purified water, press handle **(B)** to open the Beverage Center.

Operations

Welcome Lighting (applicable models only)



- When you get close to the refrigerator, the fridge light turns on automatically, allowing you to see inside the fridge without opening the doors.
  - There is a motion detection sensor on the underside of the fridge door.
  - The maximum time for the fridge light to stay on is 30 seconds.
- If you have installed the refrigerator for the first time or re-installed it, you must set the Welcome Lighting function to **On** from the main panel or the SmartThings app to use the function.
  - The default setting is **Off**.

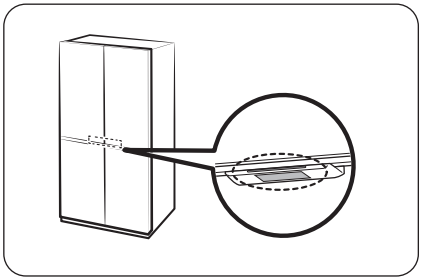
- You can change the **Distance** and **Reaction time** settings of the **Welcome Lighting sensor** in the SmartThings app.
  - The default **Distance** setting is **Middle** (about 50 cm).
  - The default **Reaction time** setting is **Fast**.
  - You must be within the detection distance of the sensor for the Welcome Lighting to work.
  - The distance which the **Welcome Lighting sensor** detects can vary depending on the installation and usage environment in your home. (Approaching direction to the refrigerator, material, and color of the recognizable parts such as clothes, objects, etc., movement through the kitchen, etc.)

NOTE

- The Welcome Lighting can turn on even when a person or large pet walks past in front of the refrigerator.
- If the **Welcome Lighting sensor** detects an object, the Welcome Lighting may turn on and off. Move any object (such as a chair) away from the **Welcome Lighting sensor**.
- The **Welcome Light sensor** can be desensitized when it becomes dirty with foreign substances or dust. Regularly clean the sensor with a clean cloth.
- Highly reflective objects, such as mirrors, within the **Welcome Lighting sensor**'s range can make the Welcome Lighting work from a distance.

Auto Open Door function (applicable models only)

The Auto Open Door function does not apply to the freezer doors.



Touch the sensor near the door handle of the fridge. The door will open.

- The default setting is **Off**.
- To turn on the function, refer to the followings.
  - General type: On the main panel, select **Settings** > **Auto Open Door** and select **On**.
  - Family Hub type: On the Fridge Manager app, tap **Settings**, and then turn on the **Auto Open Door**.

NOTE

- If both sensors are touched simultaneously, the door on the first touched sensor opens and then so does the other door within about 2 seconds.
- The door does not close automatically. Close the door manually after use.
- The angle (degree) at which the fridge doors open may vary depending on the installation environment, such as the floor where the refrigerator is installed, the level of the refrigerator, and the load of the food stored in the door bin.
  - If the doors open too wide or not wide enough, check and make sure the refrigerator is level. (For more information, see the "**STEP 4 Leveling the refrigerator**" section on page **33**.)

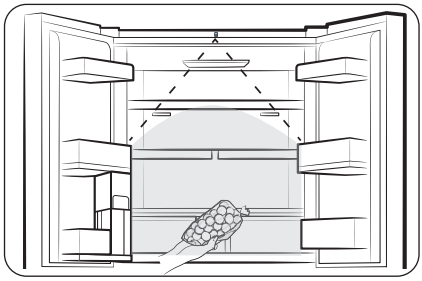
⚠ CAUTION

- The Auto Open Door function may malfunction if you open and close the door repeatedly.
- Do not push or force stop the door while it is opening automatically. It may cause the product to malfunction.
  - Be cautious not to get hit by the doors when they open automatically.
- If the door resists opening after repeated door opening, wait for about a minute and then try again. (It may be hard to open the door immediately after closing it due to air pressure change inside the refrigerator which occurs when you open and close the door.)
- Accidental touches to the sensor can cause the door to open, verify that it is closed.

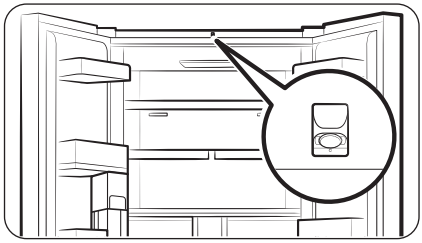
Operations

AI Vision Inside (applicable models only)

- The AI Vision Inside does not support food management for the freezer.
- For the Family Hub type model, tap **AI Vision Inside** > **Settings** > **AI food recognition guide** to see the user guide.



- You can manage the food coming in and out of the fridge using the camera on the top part of the fridge.
  - To use this feature, your refrigerator must be connected to a network through SmartThings.
  - You must complete the initial setup of the camera to use it.
- It checks food stored on the fridge shelves and door bins, or alerts you about the food that is nearing the expiration date.
- When you open the fridge door, it is recommended that you put food in or out of the fridge after hearing the recognition beep. Pause for a moment or move slowly within the camera range.
  - If you put several foods in the fridge at once, they will be registered as one food, so please put them separately.
  - When you take out a food, let the same side exposed to the camera as when you put it, and it must not be covered by more than 65%.



⚠ CAUTION

Do not get close to the camera. Otherwise, you will be photographed of your body.

- If you do not wish to use the AI Vision Inside feature, turn off the AI Vision camera on the AI Vision Inside app's settings or cover the AI Vision camera with a sticker.

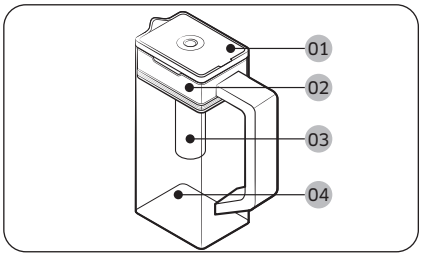
NOTE

- If the fridge lights are turned off or the surroundings are dark, its recognition rate may be lower.
- Ensure that the characteristics of an incoming item such as food are clearly visible (so clearly distinguished from other items), which can improve the accuracy of incoming/outgoing matching.

- Food in storage containers can be written in large and bold letters to help with incoming/outgoing matching.

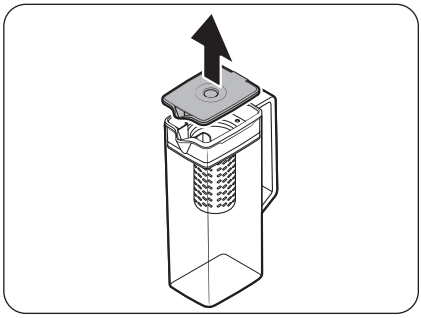
Water pitcher (Autofill Pitcher) (applicable models only)

Cold, purified water is always ready in the AutoFill Pitcher. You can put tea or fruits in the infuser to enjoy the various infused water you like.



01 Lid
02 Infuser holder
03 Infuser
04 Body

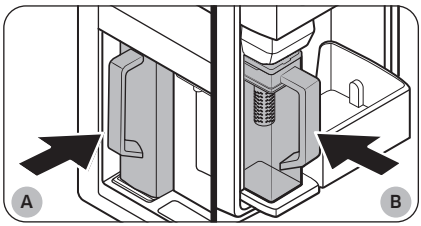
To fill the Water pitcher



1. Grasp a handle groove of the lid, and then pull up to open the lid.
2. Put tea leaves or fruit to your taste into the infuser.

NOTE

If you want to keep the infused water in its initial concentration, turn the AutoFill Pitcher function off.



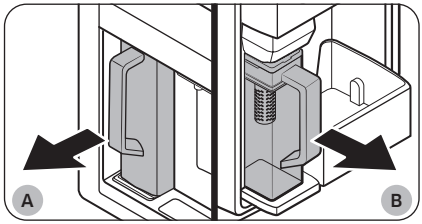
A. Type A models
B. Type B models

3. Enable the AutoFill Pitcher function on the main panel. Open the Beverage Center door (Type A) or the left door of the fridge (Type B), and then mount the water pitcher onto the holder. Push it straight in as shown in the figure.

⚠ CAUTION

Make sure the water pitcher fits in the water pitcher holder.

4. Close the door. The water pitcher will start to fill with chilled water a short time later.

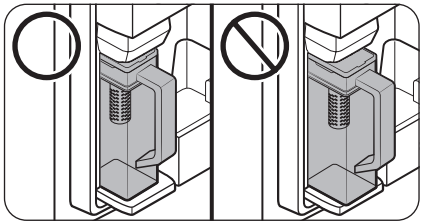


A. Type A models
B. Type B models

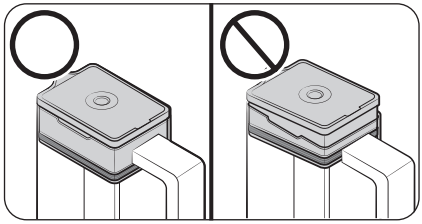
5. To drink tea, open the Beverage Center door (Type A) or the left door of the fridge (Type B), and then detach the water pitcher. Pull it straight out.

⚠ CAUTION

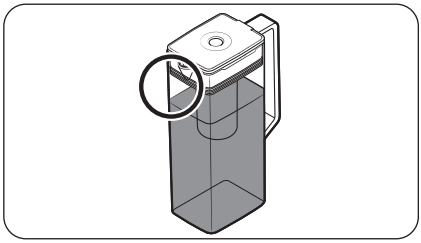
- We recommend consuming fruit infused water within 24 hours. After that, the infused water can spoil over time.
- You must clean the water pitcher after you have consumed the infused water. Also clean the water pitcher if you haven't used it for a long time.



- To prevent the water pitcher from tipping over or leaking, make sure the water pitcher fits in the water pitcher holder.

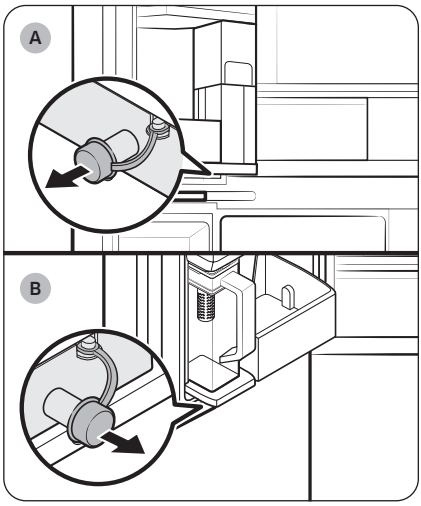


- To prevent the water pitcher from spilling over or leaking, make sure the infuser holder is properly inserted.



NOTE

- If the front side (specifically marked area) of the water pitcher has too much moisture, the water pitcher may not fully fill. Remove the moisture, and then try again.
- Autofill Pitcher function will stop supplying water to the water pitcher if the water pitcher does not fill after a certain amount of time. If this happens, check if the water line is properly connected. Remove and reinsert the water pitcher, and then try again.



A. Type A models
B. Type B models

NOTE

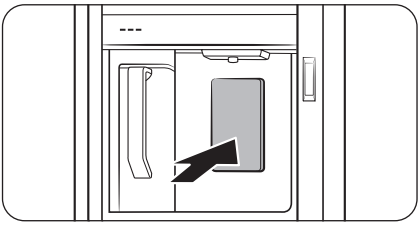
- Wipe around the water pitcher holder if the water pitcher overflows or leaks.
- Water drops off if the rubber cap is opened.
- An alert appears on the main panel if there is a leak. In case of a leak, open the rubber cap so that the leaked water drains. If the alert does not disappear after draining, there might be a system failure. Contact your local Samsung service center.

NOTE

- You must clean the water pitcher after you have consumed the infused water. You must also clean the water pitcher if you have not used it for a long time or left the pitcher full for more than three days.
- If the infuser is not properly cleaned, the scent of the tea or fruits you previously used in the infuser may remain. If you are not going to use the infuser, separate it from the pitcher and store it safely.
- If you have not used the water filter for a long time, dump out the first two pitchers of water. Then, clean the water pitcher thoroughly and use it.

Operations

Water dispenser (applicable models only)



To dispense chilled water, open the Beverage Center and press the dispenser lever.

NOTE

- The dispenser will stop dispensing if you keep pushing the dispenser lever for about 1 minute. To dispense more water, release and push the lever again.
- Make sure the glass is in line with the dispenser to prevent the dispensed water from spilling out.
- If you do not use the water dispenser for 2-3 days, the dispensed water may have an abnormal smell or taste. This is not a system failure. Discard the first 1-2 glasses of water.

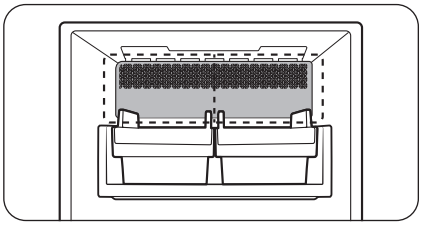
Water clouding

Water supplied to the refrigerator flows through a core alkaline filter. During this filtering process, the water pressure of the water increases and the water becomes saturated with oxygen and nitrogen. This causes the water to look misty or cloudy temporarily when dispensed. This is normal and the water will look clear after a few seconds.

Auto Ice maker (applicable models only)

The refrigerator has a built-in ice maker that automatically dispenses ice.

- The overall design and/or accessories may differ with the model.



⚠ WARNING

Choking hazard: Ice may cause choking in small children.

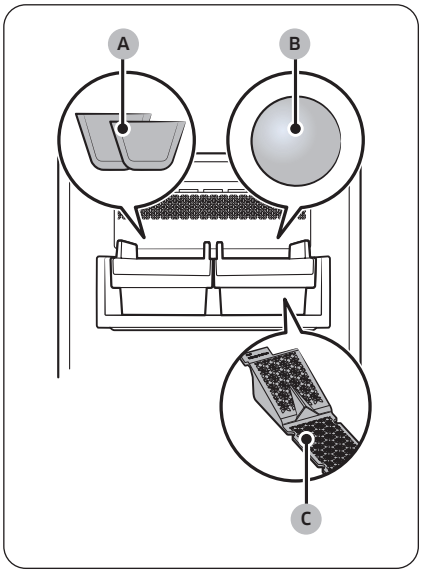
⚠ CAUTION

After using the ice scoop, do not leave it in the ice bucket.

For first-time use

- Let the ice maker make ice for 1-2 days.
- Discard the first 1-2 buckets of ice to remove impurities in the water supply system.

Cubed ice/ice bites and whiskey ball ice maker (Applicable models only)



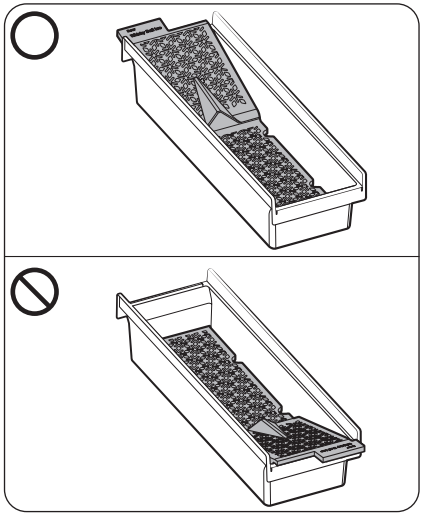
A. Cubed ice * or ice bites *
B. Whiskey ball ice *
C. Whiskey ball ice maker pad *

⚠ CAUTION

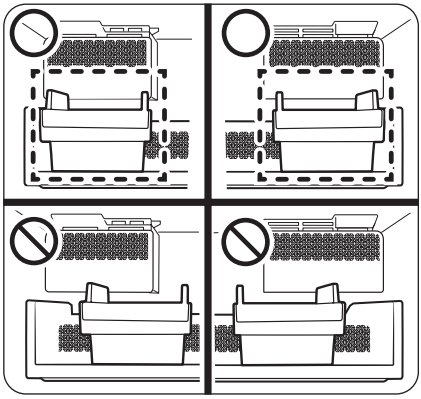
- Do not put your finger into the ice maker.
- Do not freeze water directly in the ice bucket. The ice bucket can get damaged.
- If you leave the door open too long, ice in the ice bucket may melt and clump together.
- If the ice inside the ice bucket melts into water (due to a power outage, etc.) empty the ice bucket. Otherwise, it may cause the ice bucket to break when the water refreezes.
- When the Ice function is on, the ice maker will keep making ice even if there is no ice bucket in place. Make sure you turn off the function if you do not want to make ice.

NOTE

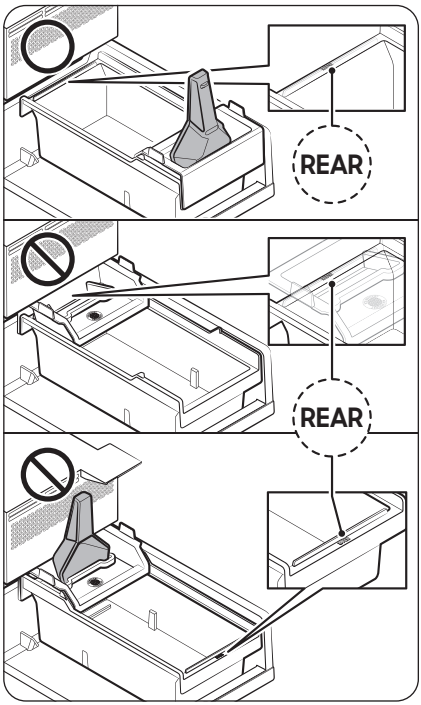
- Empty the ice bucket regularly.
  - Newly produced ice may clump with old ice, and old ice may stick to the ice bucket.
- The size, shape, and transparency of the ice may vary depending on the water pressure and the usage condition (such as ambient temperature, freezer temperature, and frequency of the door opening).
- You may hear a sound when the ice drops into the ice bucket.
- Hold the ice bucket with both hands when you remove it from the freezer to prevent dropping it.



- Make sure to put the whiskey ball ice maker pad in the right direction, and do not get it mixed up with the cubed ice maker pad.
  - The ice maker may stop making whiskey ball ice if you remove the whiskey ball ice maker pad from the ice bucket or if it is inserted in the wrong direction.
  - Place the side with the letter 'Rear' on the pad and ice bucket in the same direction.



- Check the position of the ice bucket before using each ice maker.
  - Place the ice bucket against the wall directly underneath the ice maker. If the ice bucket is not directly underneath the ice maker, the ice maker may not make ice.



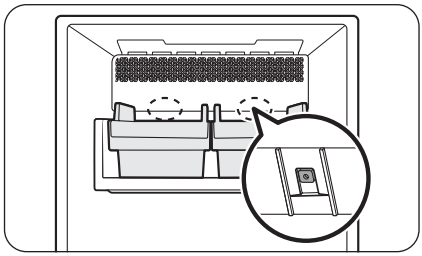
- Place the ice bucket under the ice maker with the side marked '**REAR**' facing the back.
- Place the scoop holder at the front of the ice bucket.

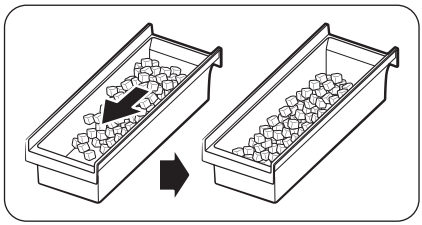
⚠ CAUTION

Ice may not be produced if the scoop holder and ice bucket are not positioned correctly.

Operations

Diagnosis





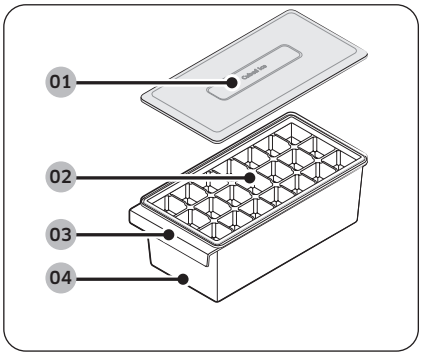
- The overall design and/or accessories may differ with the model.
- If ice does not dispense, first check the status of ice maker using the **Test** button on the bottom of the ice maker.
- Press the **Test** button on the back of the ice maker. You will hear a chime (ding-dong) when you press the button. You will hear another chime if the ice maker is operating properly.

- Ice accumulating on one side of the tray is normal. Arrange the ice evenly in the tray to store more ice.

⚠ CAUTION

- Leaving the water line disconnected may cause the water valve to produce a buzzing sound over time. If this is the case, make sure to turn the ice making function off.
- If the ice making chime rings repeatedly, contact the waterline installer or a local Samsung service center.
- Do not put food in the ice bucket. The frozen food may damage the ice maker, especially when you open or close the door.
- When the refrigerator recovers power after a power failure, the ice bucket may contain a mix of melted and jammed ice cubes, which can prevent the ice maker from working properly. To prevent this, make sure to empty the ice bucket before using the refrigerator.
- Do not put fingers or any objects into the ice maker. This can cause physical injury or property damage.
- Ice stored in the freezer for a long time gets smaller and then forms large ice chunks caused by sublimation. Therefore, if you are not planning to use the ice maker for a long time, turn it off and empty the ice bucket.
- Use the new hose-sets supplied with the appliance only. Do not re-use an old hose set.

Tray Ice Maker (applicable models only)



01 Ice bucket cover
02 Ice tray (inside)
03 Ice bucket handle
04 Ice bucket

NOTE

- If you do not need to make ice, you can take out the Tray Ice Maker to make more room in the freezer.
- Clean the Tray Ice Maker before using it for the first time.
  - Do not use the Tray Ice Maker in microwaves or sterilize with heat. It will cause product deformation.

1. Fill the ice tray with water. Overfilling the ice tray can cause the ice to clump together and not fall into cubes.
2. To remove the ice from the ice tray, hold both ends of the ice tray and gently twist.
   - Depending on how frozen the ice is, it might not drop all at once.
   - Beverages other than water (such as green tea or milk) may not stick to the tray and not drop well.

⚠ WARNING

Use only potable water to make ice cubes.

⚠ CAUTION

- Do not freeze water directly in the ice bucket. The ice bucket can get damaged.
- After cleaning the Ice Tray Maker, completely dry all parts before use.
  - Clean the Tray Ice Maker once every one to two weeks.

Maintenance

Handling and care

Ice bucket (applicable models only)

If you do not dispense ice for an extended period, ice may form clumps inside the bucket. If this happens, remove and empty the ice bucket.

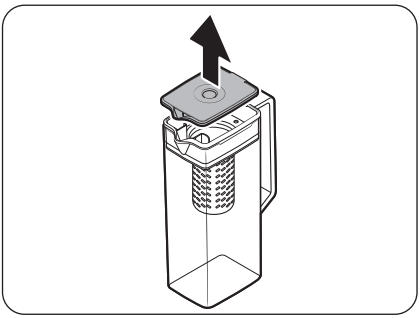
⚠ CAUTION

- To prevent injury, make sure to clean up any ice or water that has fallen on the floor.
- To prevent accidents or injury, do not let children play with the water dispenser or the ice maker.
- Use only the provided ice bucket. Third-party ice buckets may cause a system failure.

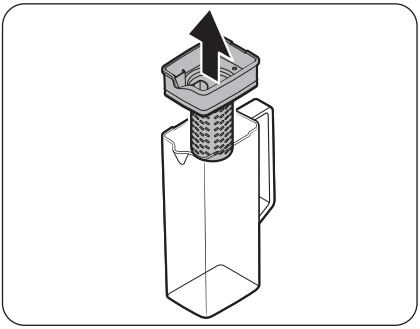
NOTE

Noise from the ice maker as it produces ice during the ice making process is normal.

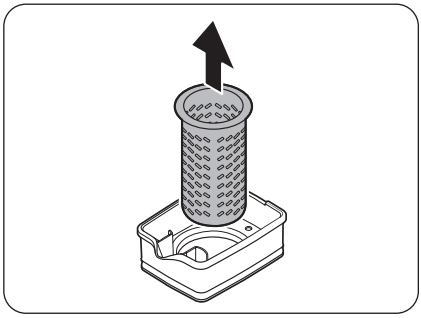
Autofill pitcher (applicable models only)



1. Grasp a handle groove of the **lid**, and then pull up to remove.



2. Grasp both sides of the **infuser holder**, and then lift to remove.



3. While slightly twisting the **infuser**, pull it out of the sealed mouth.
4. Clean the **infuser** with neutral agents and running water. Rinse and dry well.
5. Reassemble the Autofill pitcher in the reverse order of disassembly.

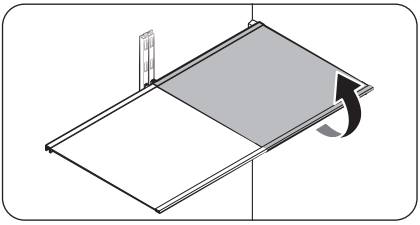
⚠ CAUTION

The water pitcher and lid are not microwave safe and can melt or deform if exposed to heat (including hot water). Please hand wash in cool or warm water as needed. (The water temperature must be below 70 °C.)

Maintenance

Fridge shelves

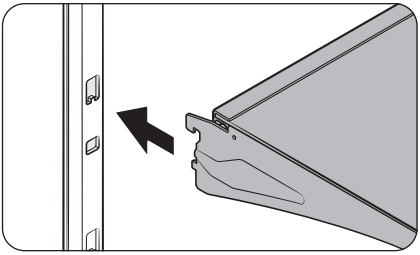
The appearance of the shelves differs by model.



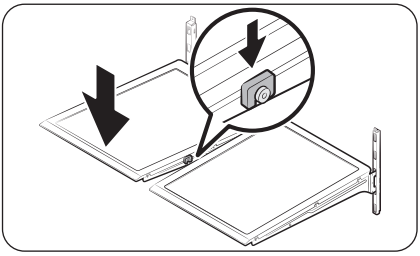
- To remove a shelf, fully open the corresponding door. Hold the front of the shelf, and then gently lift up and pull out.

NOTE

Do not lift up the shelf fully when removing or reinserting the shelf. The rear wall of the fridge room can be dented.



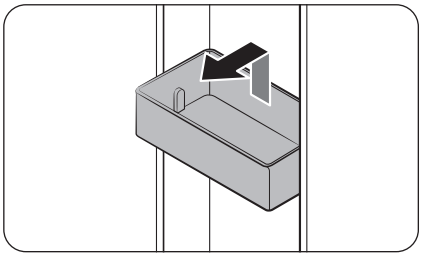
- To reinsert, hold the shelf at an angle so the front is higher than the back, and then insert the top hook into the top shelf notch. Then, lower the shelf and insert the bottom shelf hook into the bottom shelf notch.



⚠ CAUTION

- The tempered glass shelves are heavy. Use caution when removing them.
- The shelf must be inserted correctly. Do not insert upside down.
- Glass containers may scratch the surface of glass shelves.

Door bins

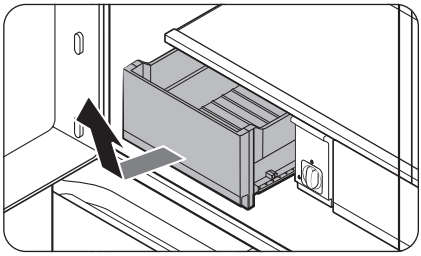


- To remove the **door bin**, hold the front sides of the bin, and then gently lift up to remove.
- To reinsert, insert the **door bin** slightly above its final location making sure that the back of the bin is against the door. Hold the rear of the **door bin** with both hands, and then press down so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

Fridge drawers



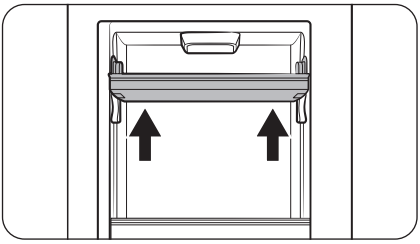
Gently lift up the front of the drawer and slide out.

- 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.

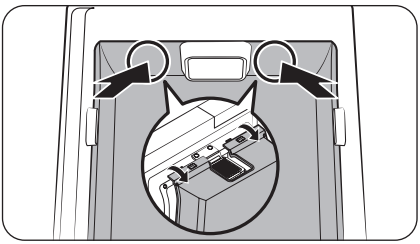
Maintenance

Beverage Zone (applicable models only)

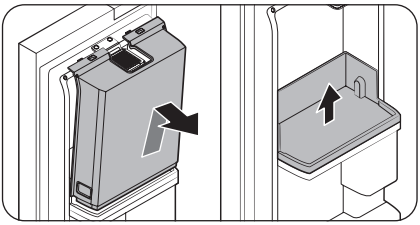
Disassembling the Beverage Zone



1. Open the left **Showcase door**, and then hold the upper door bin with both hands and lift up to remove it.

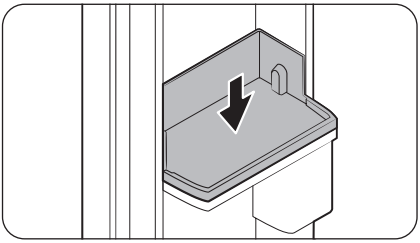


2. With the left **Showcase door** open, open the fridge door. Then, push the upper part of the **Beverage Zone** (left and right side of the fan) from inside to release the snap joints securing the **Beverage Zone cover** to the door.

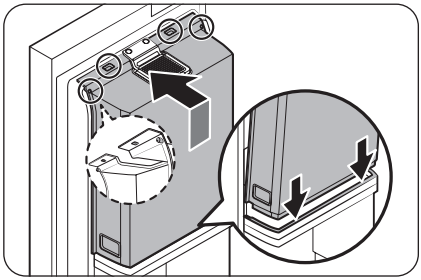


3. If the snap joints at the upper part are released, hold the **Beverage Zone cover** and lift it to remove it.
   - After disassembling the **Beverage Zone cover**, you can hold the lower door bin with both hands and lift it to remove it.

Assembling the Beverage Zone



1. With the fridge door or the **Showcase door** open, align the grooves on the left and right side of the bottom door bin, and then insert it.



2. Open the fridge door, and then assemble the snap joints at the bottom and top of the **Beverage Zone cover** in order. (Reversed order of the disassembly)
   - To assemble the upper door bin, open the **Showcase door**, align the grooves on the left and right side, and then insert it.

Cleaning

Interior and exterior

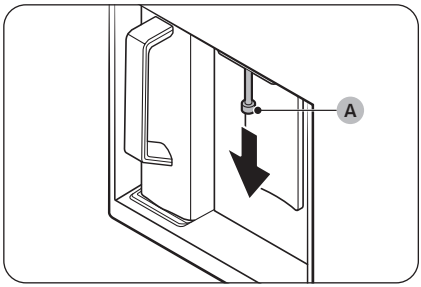
⚠ WARNING

- Do not use benzene, thinner, vinegar, liquid bleach, baking soda, citric, salt mixtures or home/car detergent such as Clorox™ for cleaning purposes. 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.

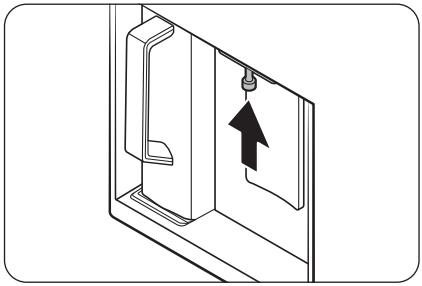
1. Unplug the power cord.
2. Use a moistened, soft, lint-free cloth or paper towel to clean the refrigerator's interior and exterior.
3. When done, use a dry cloth or paper towel to dry well.
4. Plug in the power cord.

Dispenser nozzle (applicable models only)



1. Hold the end of the **dispenser nozzle (A)**.
2. While turning the **dispenser nozzle (A)** left, pull it down to remove it from the dispenser.

Maintenance



3. Clean the dispenser nozzle thoroughly, and then assemble it back.

⚠ CAUTION

- Fully insert the dispenser nozzle, so it is back to its original position.
- Do not use a sponge with rough textures for cleaning the dispenser nozzle.

Inner-view camera (applicable models only)

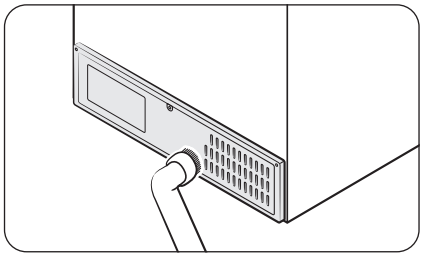
NOTE

Use a cotton swab or microfiber cloth to clean the camera on the top part of the fridge (with the fridge door open).

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.

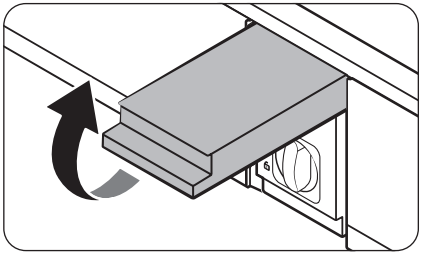
Replacement

Water filter (applicable models only)

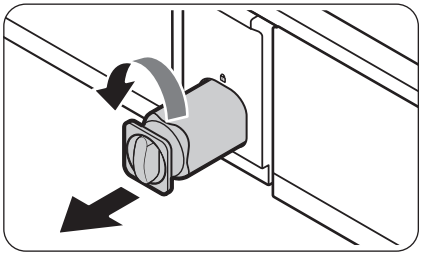
⚠ WARNING

- Use only Samsung brand replacement water filter.
  - Genuine Samsung replacement filters are equipped with a QR code for verification.
  - Always ensure the filter's authenticity by scanning the QR code.
- Third Party or counterfeit filters may be subject to cracking/leaking that could lead to property damage.
- Samsung is not responsible for any damage that may occur from use of third-party or counterfeit water filters.

The "**Replace water filter**" message appears on the main panel to let you know it is time to replace the water filter. Before replacing the filter, make sure the main water supply is shut off

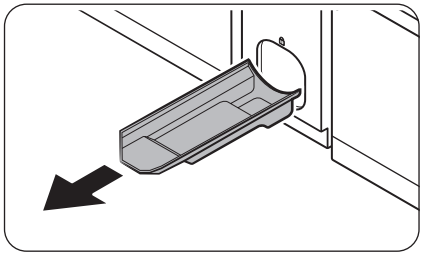


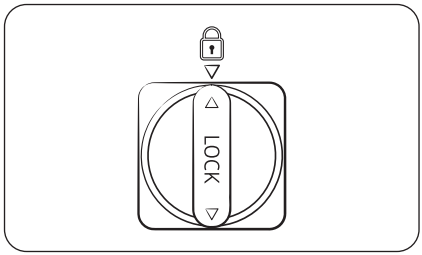
1. Shut off the main water supply.
2. Open the filter cartridge cover.



3. Turn the knob of the filter cartridge counter clockwise 90 degrees ($^1/_4$ turn). The filter cartridge unlocks.

Maintenance





4. Pull out to remove the cartridge.
   - If the water filter is severely contaminated, the cartridge may not be easy to remove. If that is the case, use force to remove the cartridge.
   - To prevent water leaks from the filter opening, pull the cartridge straight out while removing it.
5. Insert a new filter cartridge. Use only Samsung-provided or approved filters.
6. Turn the cartridge knob clockwise to lock into place.
7. Close the filter cartridge cover.
8. Reset the filter on the main panel.
   - General type: On the main panel, go to **Settings**, and then run **Filter Reset**.
   - Family Hub type: On the Home screen, tap **Fridge Manager** > **Fridge Settings** > **Water Filter**, and then select **Reset**.

NOTE

- A newly installed filter may cause the water dispenser to spurt water briefly. This is because air has entered the waterline.
- The replacement process may cause the water dispenser to drip for a short period of time. If it drips, simply wipe up any water on the floor with a dry towel.

Reverse osmosis water filtration system

The water pressure of the water supply system to a reverse osmosis water filtration system must be between 206-861 kPa.

The water pressure of the reverse osmosis water filtration system to the refrigerator's cold water line must be at least 206 kPa. If the water pressure is below these specifications:

- Check if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Refill the water tank in the reverse osmosis system with water.
- 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.

For more information or servicing, contact a licensed plumbing professional.

Ordering a new filter

To purchase a new water filter, contact a local Samsung service center.

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.

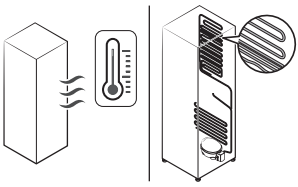
For detailed instructions on dismantling lamp(s) and/or control gear(s), simply follow the replacement instruction reached as described above.

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.	• Power cord is not plugged in properly.	• Properly plug in the power cord.
	• Temperature control is not set correctly.	• Set the temperature lower.
	• Refrigerator is located near a heat source or direct sunlight.	• Keep the refrigerator away from direct sunlight or a heat source.
	• Not enough clearance between refrigerator and nearby walls or cabinets.	• We recommend that the gap between the refrigerator and nearby walls (or cabinets) is more than 2" (50 mm).
	• The refrigerator is overloaded. Food is blocking the refrigerator vents.	• Do not overload the refrigerator. Do not allow food to block vents.
Fridge/freezer is over-cooling.	• Temperature control is not set correctly.	• Set the temperature higher.
Interior wall is hot.	• Refrigerator has heat-proof piping in the interior wall.	• 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.	• Spoiled food.	• Clean the refrigerator and remove any spoiled food.
	• Food with strong odors.	• Make sure strong smelling food is wrapped airtight.

Frost

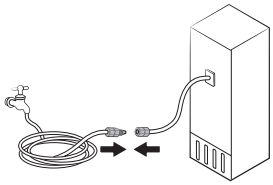
Symptom	Possible causes	Solution
Frost around the vents.	• Food is blocking the vents.	• Make sure no food blocks the refrigerator vents.
Frost on interior walls.	• Door is not closed properly.	• Make sure food does not block the door. Clean the door gasket.
Fruits or vegetables are frozen.	• Fruits or vegetables are stored in the Cool Select+.	• Do not store most kinds of fruit or vegetables in the Cool Select+.

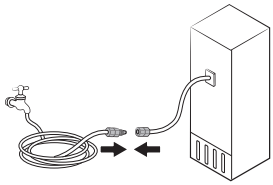
Condensation

Symptom	Possible causes	Solution
Condensation forms on the interior walls.	• If door is left open, moisture enters the refrigerator.	• Remove the moisture and do not leave a door open for extended periods of time.
	• Food with high moisture content.	• Make sure food is wrapped airtight.

Troubleshooting

Water/ice (dispenser models only)

Symptom	Possible causes	Solution
Water flow is weaker than normal.	• Water pressure is too low.	• Make sure the water pressure is between 206-861 kPa.
Ice maker makes a buzzing sound.	• The ice maker function is activated, but the water supply to the refrigerator has not been connected.	• Turn off the Ice Maker.
Ice maker does not make ice.	• Ice maker has just been installed.	• You must wait for 24 hours for the refrigerator to make ice.
	• Freezer temperature is too high.	• Set the freezer temperature below -18 °C or -20 °C in warm ambient air.
	• Ice maker is off.	• Turn on the ice maker.
	• Ice scoop or holder remains in the Ice bucket.	• Please keep the ice scoop in the front holder.
Ice does not dispense.	• Ice may jam if the ice dispenser is not used for a long time (approx. 3 weeks).	• If you won't be using the refrigerator for a long time, empty the ice bucket and turn off the ice maker.
	• Ice bucket is not properly inserted.	• Make sure the ice bucket is properly inserted.
	• Water line is not connected properly or water supply is not on.	• Check the water installation conditions. 

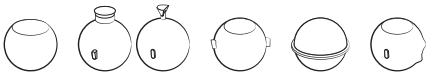
Symptom	Possible causes	Solution
Water does not dispense.	• Water line is not connected properly or water supply is not on.	• Check the water installation conditions. 
	• A third-party water filter was installed.	• Use only Samsung-provided or approved filters. • Unapproved filters may leak and damage the refrigerator.
	General type • The "**Replace water filter**" message appars on the main panel. Family Hub type • The water filter indicator turns on red.	General type • Replace the water filter. Then on the main panel, go to **Settings**, and then run **Filter Reset**. Family Hub type • Replace the water filter. After replacing, reset the filter in **Fridge Manager** > **Fridge Settings** > **Water Filter**.

Troubleshooting

Water/ice (applicable models only)

Symptom	Possible causes / solution
Ice is not being made.	• Ice is made approximately 24 hours after the installation. • If the ice maker is off, it will not make ice even if the water line is properly connected. Make sure the ice maker is turned on. • If too much ice is stacked at the rear of the bucket, the refrigerator may recognize that the ice bucket is full and stop making ice. Gently shake the bucket to level the stacked ice.
Unusual noise is heard.	• You may hear a sound for about 5 to 15 seconds when water is supplied to the ice maker. This is not a defect. • A loud noise may be heard when ice drops into the ice bucket.
Floating particles appear as ice melts.	• When water freezes, minerals such as magnesium and calcium can form white crystals. These may appear as floating particles as ice melts.

Water/ice (Sphere Ice models only)

Symptom	Possible causes / solution
Ice is not being made.	• Ice is made approximately 24 hours after the installation. • If the doors are open frequently, the freezer temperature may rise, slowing the ice-making process. • Make sure to check the front and back sides of the pad in the sphere ice maker's ice bucket and place it in the correct direction. - If the pad is removed or not placed correctly, ice may not be made.
The ice shape looks unusual.	• If the refrigerator was just installed, the water filter was replaced, or power was off for a while because of a power outage, the ice may have bubbles inside or appear misshapen. • The shape and size of the ice may vary depending on the water pressure and usage conditions. • The transparency of the ice may vary depending on usage conditions such as door openings, storage volume, ambient temperature, and temperature settings. • When the refrigerator is first installed, the water filter is replaced, or under various usage conditions, irregularly shaped ice, like the following examples, may be produced. 

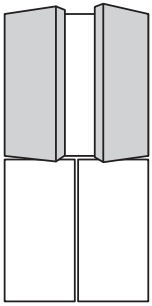
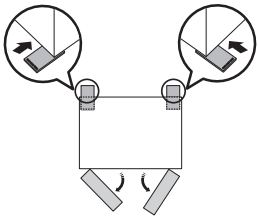
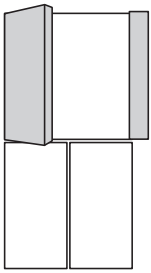
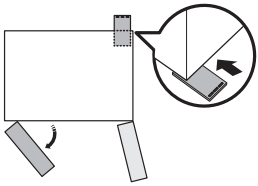
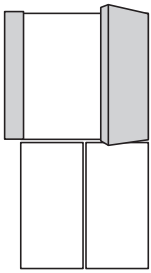
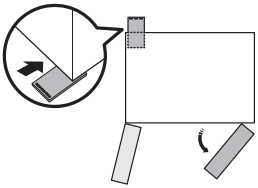
Symptom	Possible causes / solution
Floating particles appear as ice melts.	• When water freezes, minerals such as magnesium and calcium can form white crystals. These may appear as floating particles as ice melts.

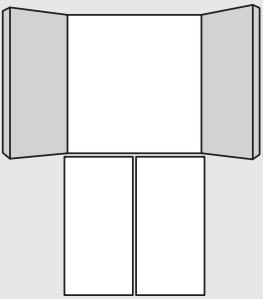
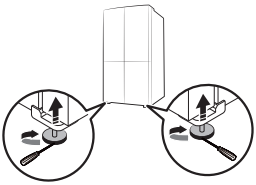
AutoFill Pitcher

Symptom	Possible causes / solution
Water is not being filled.	• Make sure the AutoFill Pitcher function is turned on. • If condensation forms on the surface of the pitcher, water may not be filled automatically. Wipe the moisture on the surface of the pitcher and try again.
Water overflows.	• Before opening the rubber cap at the bottom of the pitcher holder, place a bowl or towel underneath to catch any water. • Make sure the pitcher's lid is properly closed. If not, water may leak.

Troubleshooting

Auto Open Door (applicable models only)

Symptom		Possible causes	Solution
The fridge doors do not open wide enough.	Both doors 	• The rear sides of the refrigerator are low.	• Raise the rear sides of the refrigerator to level it. * 
	Left door 	• The rear-right side of the refrigerator is low.	• Raise the rear-right side of the refrigerator to level it. * 
	Right door 	• The rear-left side of the refrigerator is low.	• Raise the rear-left side of the refrigerator to level it. * 

Symptom	Possible causes	Solution
The fridge doors open too wide. 	• The front sides of the refrigerator are low.	• Raise the front sides of the refrigerator to level it. * 

* For more information on leveling the refrigerator, see the "**STEP 4 Leveling the refrigerator**" section on page **33**.)

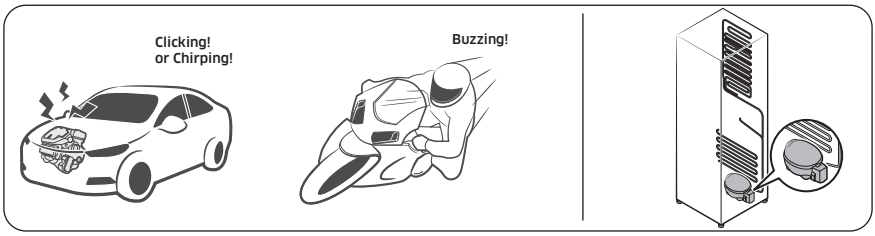
Troubleshooting

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.

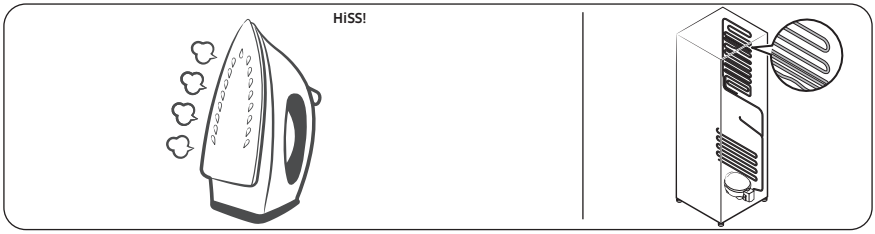
- When starting or ending an operation, the refrigerator may make sounds similar to a car engine igniting. As the operation stabilizes, the sounds will decrease.



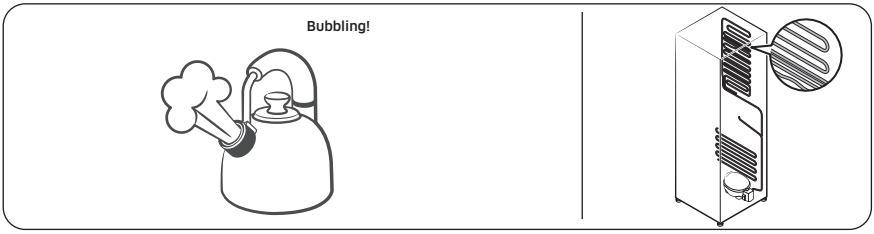
- While the fan is operating, these sounds may occur. When the refrigerator reaches the set temperature, no fan sound will occur.



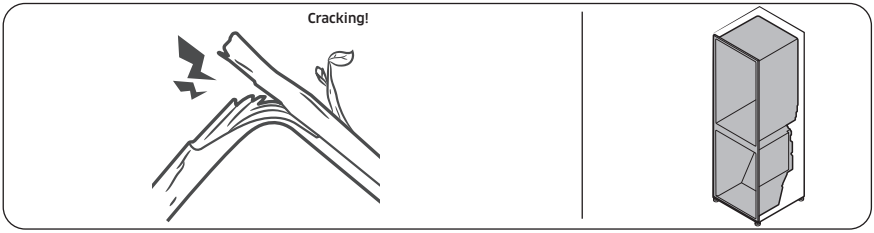
- During a defrost cycle, water may drip on the defrost heater, causing sizzling sounds.



- 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.
- Because of pressure equalizing when opening and closing the refrigerator door, whooshing sounds may occur.

Troubleshooting

SmartThings

Symptom	Action
Could not find “SmartThings” in the app market.	• The supporting software version of the SmartThings app is subject to change according to the OS supporting policy the manufacturer provides. In addition, as for the SmartThings app or the functions that the app supports, the new application update policy on the existing OS version can be suspended due to usability or security reasons.
The SmartThings app fails to operate.	• The SmartThings app is available for applicable models only. • The old Samsung Smart Refrigerator app cannot connect with Samsung Smart Home models.
The SmartThings app is installed but is not connected to my refrigerator.	• You must log into your Samsung account to use the app. • Make sure that your router is operating normally. • If the Wi-Fi icon on the refrigerator’s display is off, this indicates that no network connection has been established yet. In this case, use the SmartThings app to connect and register your refrigerator to the access point (AP) of your house.
Could not log into the app.	• You must log into your Samsung account to use the app. • If you don’t have a Samsung account, follow the app’s onscreen instructions to create one.
An error message appears when I try to register my refrigerator.	• Easy Connection may fail due to the distance from your access point (AP) or electrical interference from the surrounding environment. Wait a moment and try again.
The SmartThings app is successfully connected to my refrigerator but does not run.	• Exit and restart the SmartThings app, or disconnect and reconnect the router. • Power off the refrigerator, and then power it on again after 1 minute.

LCD

(Applicable to Family Hub type only)

Symptom	Action
Cannot connect to my TV.	• Check if your TV supports the “TV to Mobile” function. - You may find your model name on the label attached to your TV's back or on your TV's Settings menu. - Search for your model on Samsung website and check the specifications section to see if your model supports the function. - 2015-2016 : (J/K models) : JU6400/KU6400 series or above - 2017 : Q6FM or above, MU6400 or above, LS003(frame) - 2018 : Q6FN or above, NU7400 or above, LS03N(frame) - 2019 : Q60R or above, LS03R(frame), LS01R(serif), LS05R(sero. Korea only) - Models released in 2020 and after: Q70 series or above, LS01 series (serif), LS03 series (frame, except 32” models), LS05 series (sero). • Network connections may suffer temporary interruptions. Turn your TV off, and then try again.
The inner view picture looks bulged out or incomplete.	• The edges of the inner view may look bulged out. The bulging is caused by the convex lens of the camera. • The inner view may be incomplete due to the blind spots on the left and right corners or screened depending on the layout of food items. Make sure to place food items in the front center.
The displayed measurement on the Fridge Manager is not correct.	• The displayed conditions may differ from the actual temperature and humidity.

Open Source Announcement

Open Source Announcement

(Applicable to general type only. For Family Hub type, refer to the online manual.)

The software included in this product contains open source software.

The following URL http://opensource.samsung.com/opensource/SMART_TP1_0/seq/0 leads to open source license information as related to this product.

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.

Appendix

Temperature Instruction

Recommended Temperature

The optimal temperature setting for food storage:

- Fridge: 3 ℃
- Freezer: -19 ℃

NOTE

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

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.

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

Appendix

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	-

Information for model and ordering spare parts

Model information

To access energy labelling information about this product on the European Product Registry for Energy Labelling (EPREL), scan QR-Code on the energy label.

You can find QR-Code on the energy label in your product box.

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

Memo

NOTE

Hereby, Samsung declares that this radio equipment is in compliance with Directive 2014/53/EU and with the relevant statutory requirements in the UK.

The full text of the EU declaration of conformity and the UK declaration of conformity is available at the following internet address: The official Declaration of conformity may be found at http://www.samsung.com, go to Support > Search Product Support and enter the model name.

⚠ CAUTION

The 5 GHz WLAN function of this equipment may only be operated indoors. This equipment may be operated in all EU countries and in the UK. (applicable models only)

	Frequency range	Transmitter power (Max)
Wi-Fi	2412 - 2472 MHz	20 dBm
	5120 - 5250 MHz	23 dBm
	5250 - 5350 MHz	20 dBm
	5470 - 5725 MHz	27 dBm
Bluetooth	2402 - 2480 MHz	20 dBm

FRANCE	01 48 63 00 00	www.samsung.com/support
GERMANY	06196 77 555 77	
LUXEMBURG	+352 2610 37 10	
NETHERLANDS	+31 88 909 0111	
BELGIUM	+32 26200210	
NORWAY	21 62 90 99	
DENMARK	70 70 19 70	
FINLAND	OLD 030-622 75 15, NEW number: 0800 528 475	
SWEDEN	0771-400 300	
CYPRUS	8009 4000 only from landline, toll free	
GREECE	80111-SAMSUNG (80111 726 7864) from mobile and land line (+30) 210 6897691 from mobile and land line	
ITALIA	800-SAMSUNG (800.7267864)	
PORTUGAL	210 608 098 Chamada para a rede fixa nacional Dias úteis das 9h às 20h	
SPAIN	91 175 00 15	