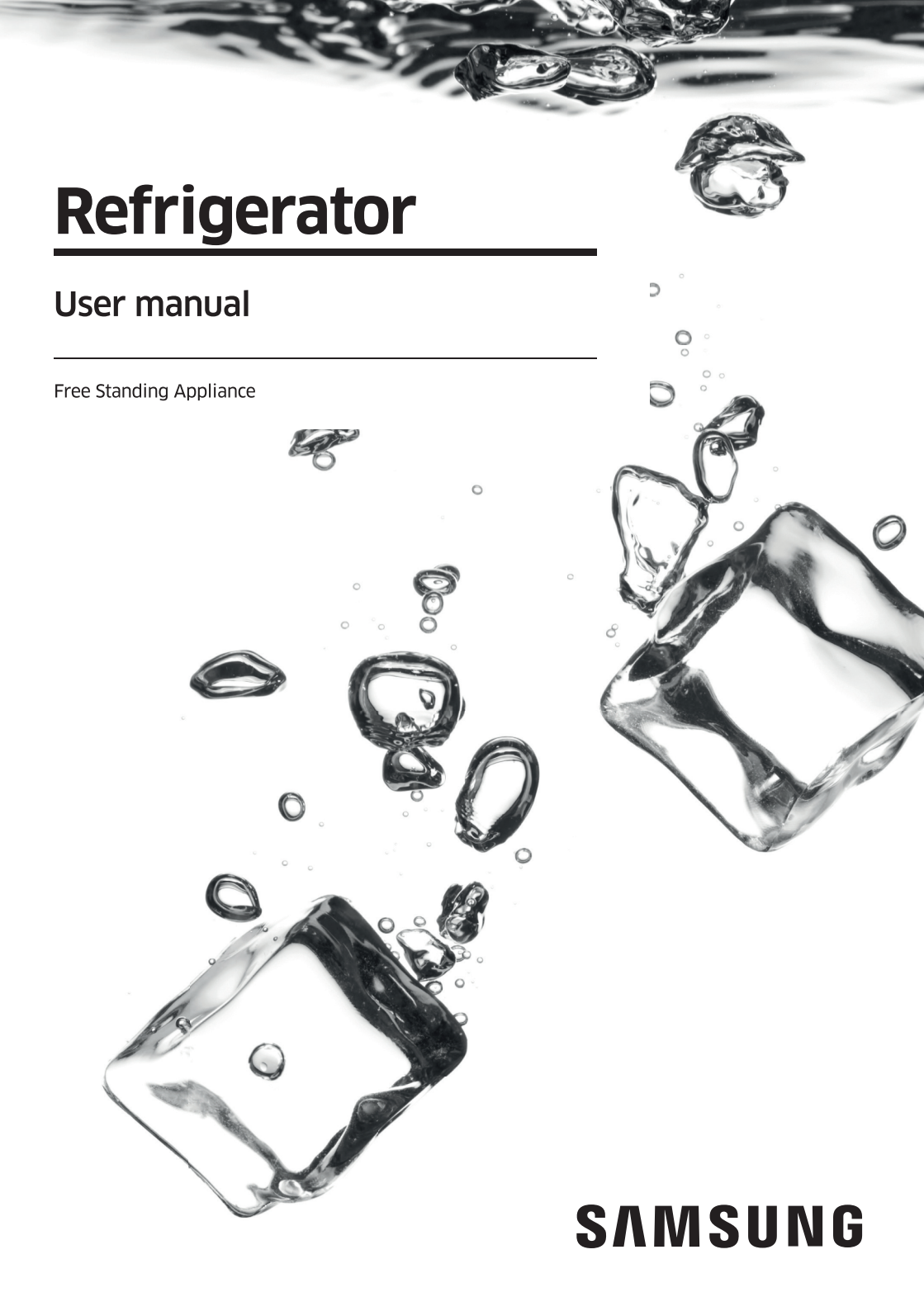




Refrigerator

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 m³ in size for every 8 g of R-600a refrigerant inside the appliance.
The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury. When refrigerant leaks from the pipe, avoid any naked flames and move anything flammable away from the product and ventilate the room immediately.
 - Failing to do so may result in fire or explosion.
- To avoid contamination of food, please respect the following instructions:
 - Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
 - Clean regularly surfaces that can come in contact with food and accessible drainage systems.
 - Clean water tanks if they have not been used for 48 h; flush the water system connected to a water supply if water has not been drawn for 5 days.
 - Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
 - Two-star frozen-food compartments are suitable for storing pre-frozen food, storing or making icecream and making ice cubes.
 - One-, two- and three-star compartments are not suitable for the freezing of fresh food.
 - If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

Important safety symbols and precautions:

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

WARNING

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

CAUTION

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

NOTE

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

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

Please follow them carefully.

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

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.

Safety information

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency.
 - It must be outside the area of the rear of the appliance.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- If the product is equipped with LED lamps, do not disassemble the Lamp Covers and LED lamps yourself.
 - Contact a Samsung service center.
 - Use only the LED Lamps provided by the manufacturer or its service agents.
- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.
- Have the refrigerator's water supply connected only to a potable water supply. To operate the ice maker properly, water pressure of 206-861 kPa (30-125 psi) is required.
- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.
- To get the best energy efficiency of this product, please leave all shelves, drawers and baskets on their original position.

How to minimize the energy consumption

- Install the appliance in a cool, dry room with adequate ventilation.
- Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
 - Not to block any vents or grilles is recommended for energy efficiency.
 - Allow warm food to cool down before placing it in the appliance.
 - Put frozen food in the refrigerator to thaw. You can then use the low temperatures of the frozen products to cool food in the refrigerator.
 - Do not keep the door of the appliance open for too long when putting food in or taking food out.
 - The shorter time for which the door is open, the less ice will form in the freezer.
 - Clean the rear of the refrigerator regularly. Dust increases energy consumption.
 - Do not set temperature colder than necessary.
 - Ensure sufficient air exhaust at the refrigerator base and at the back wall of the refrigerator. Do not cover air vent openings.
 - Allow clearance to the right, left, back and top when installing. This will help reduce power consumption and keep your energy bills lower.

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

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

Severe warning signs for transportation and site

WARNING

- When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
 - Refrigerant leaking from the pipe work could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
 - This appliance contains a small amount of isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- When transporting and installing the refrigerator, do not touch the water hose on the back side of the refrigerator.
 - This may damage the refrigerator and as a result the water dispenser can not be used.

Critical installation warnings

WARNING

- Do not install the refrigerator in a damp location or place where it may come in contact with water.
 - Deteriorated insulation on electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose it to the heat from stoves, room heaters, or other appliances.
- Do not plug several appliances into the same multiple power strip. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matches the voltage listed on the refrigerator's rating plate.
 - This provides the best performance and also prevents overloading of house wiring circuits, which could cause a fire hazard from overheated wires.
- If the wall socket is loose, do not insert the power plug.
 - There is a risk of electric shock or fire.
- Do not use a power cord that has cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy objects on it.
- Do not pull or excessively bend the power cord.
- Do not twist or tie the power cord.
- Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
 - This may result in an electric shock or fire.
- Never unplug your refrigerator by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
 - Damage to the cord may cause a short-circuit, fire, and/ or electric shock.
- Do not use aerosols near the refrigerator.
 - Using aerosols near the refrigerator may cause an explosion or fire.
- Do not install this appliance near a heater or inflammable material.

Safety information

- 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.
- If any dust or water is in the refrigerator, pull out power plug and contact your Samsung Electronics service center.
 - Otherwise there is a risk of fire.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
 - This may result in an electric shock, fire, problems with the product, or injury.
- You need to remove all the protective plastic film before you initially plug the product in.
- Children should be supervised to ensure that they do not play with the snap rings used for door adjustment or the water tube clips.
 - There is risk of death by suffocation if a child swallows a snap ring or water tube clip. Keep the snap rings and water tube clips out of children's reach.
- The refrigerator must be safely grounded.
 - Always make sure that you have grounded the refrigerator before attempting to investigate or repair any part of the appliance. Power leakages can cause severe electric shock.
- Never use gas pipes, telephone lines, or other potential lightning attractors as an electrical ground.
 - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
 - This may result in an electric shock, fire, explosion, or problems with the product.
- Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.
 - This may result in an electric shock or fire.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
 - Failing to do so may result in an electric shock or personal injury.

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 chopsticks, etc.) into the bottom or the back of the refrigerator.
 - This may result in an electric shock or injury.
 - Any sharp edges may cause a personal injury.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
 - This may cause frostbite.
- Do not put a container filled with water on the refrigerator.
 - If spilled, there is a risk of fire or electric shock.
- Do not keep volatile or flammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas, and other such products) in the refrigerator.
 - This refrigerator is for storing food only.
 - This may result in fire or explosion.
- Children should be supervised to ensure that they do not play with the appliance.
 - Keep fingers out of "pinch point" areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open the doors if children are in the area.
- Do not put your fingers or children's fingers between the doors.
 - Keep fingers out of the left and right door gaps. Be careful when you open the doors if your fingers are in between the doors.
- Do not let children hang on the door or door bins. A serious injury may occur.
- Do not let children go inside the refrigerator. They could become trapped.
- Do not insert your hands into the bottom area under the appliance.
 - Any sharp edges may cause personal injury.

Safety information

- Do not store pharmaceutical products, scientific materials, or temperature sensitive products in the refrigerator.
 - Products that require strict temperature controls must not be stored in the refrigerator.
- If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung Electronics service center.
- If any dust or water is in Refrigerator, pull out power plug and contact your Samsung Electronics service center.
 - Otherwise there is a risk of fire.
- Do not let children step on a drawer.
 - The drawer may break and cause them to slip.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside the refrigerator.
- Do not allow babies or children go inside the drawer.
 - It can cause death from suffocation by entrapment or personal injury.
- Do not overfill the refrigerator with food.
 - When you open the door, an item may fall out and cause personal injury or material damage.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
 - As well as being harmful to humans, it may also result in an electric shock, fire, or problems with the product.
- Never put fingers or other objects into the water dispenser hole, ice chute and ice maker bucket.
 - It may cause a personal injury or material damage.
- Do not use or place any substances sensitive to temperature such as flammable sprays, flammable objects, dry ice, medicine, or chemicals near or inside of the refrigerator.
- Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odours.
 - This may result in an electric shock or fire.
- Fill the water tank, ice tray and water cubes only with potable water (mineral water or purified water).
 - Do not fill the tank with tea, juice or sports drink, this may damage the refrigerator.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance. This may result in an electric shock, fire, problems with the product, or injury. Do not put a container filled with water on the appliance.
 - If spilled, there is a risk of fire or electric shock.
- Never stare directly at the UV LED lamp for long periods of time.
 - This may result in eye strain due to the ultraviolet rays.
- Do not put shelf in upside down. Shelf stopper could not work.
 - It may cause a personal injury because of glass shelf drop.

-
- If a gas leak is detected, avoid any naked flames or potential sources of ignition, and air the room in which the potential sources of ignition, and air the room in which the appliance is standing for several minutes. 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.
 - 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.

Safety information

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.
 - Fill the water tank and ice cube trays with potable water only (tap water, mineral water, or purified water).
 - Do not fill the tank with tea or a sports drink. This may damage the refrigerator.
 - Be careful that your fingers are not caught in.
 - If the refrigerator is flooded, make sure to contact your nearest service center.
 - There is a risk of electric shock or fire.
 - 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.
- When disposing of this refrigerator, remove the door/ door seals and door latch so that small children or animals cannot become trapped inside. Children should be supervised to ensure that they do not play with the appliance. If trapped inside, a child may get hurt or suffocate to death.
 - If trapped inside, the child may become injury and suffocate to death.
- Cyclopentane is used in the insulation. The gases in the insulation material require a special of this product. Please contact your local authorities in regard to the environmentally safe disposal
- 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.

For more information on safe disposal and recycling visit our website www.samsung.com/in/support or contact our Helpline numbers - 1800 40 SAMSUNG (1800 40 7267864).

Installation

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

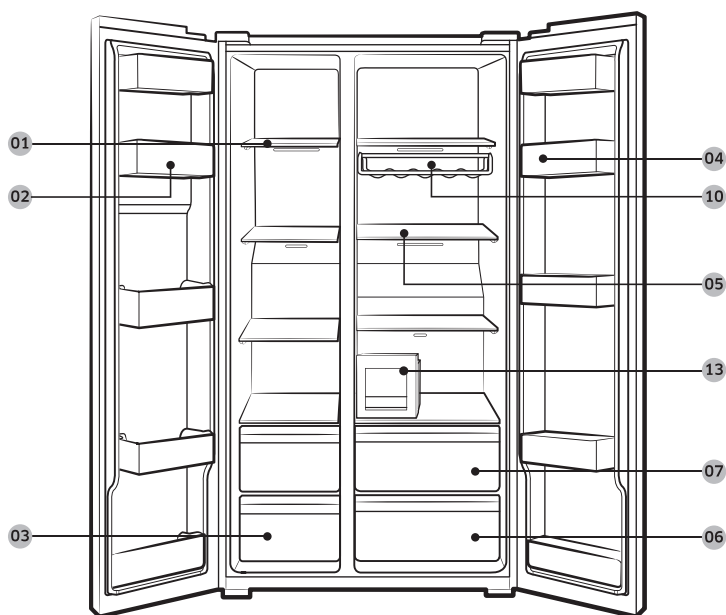
⚠ WARNING

- 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 cord before servicing or replacements.

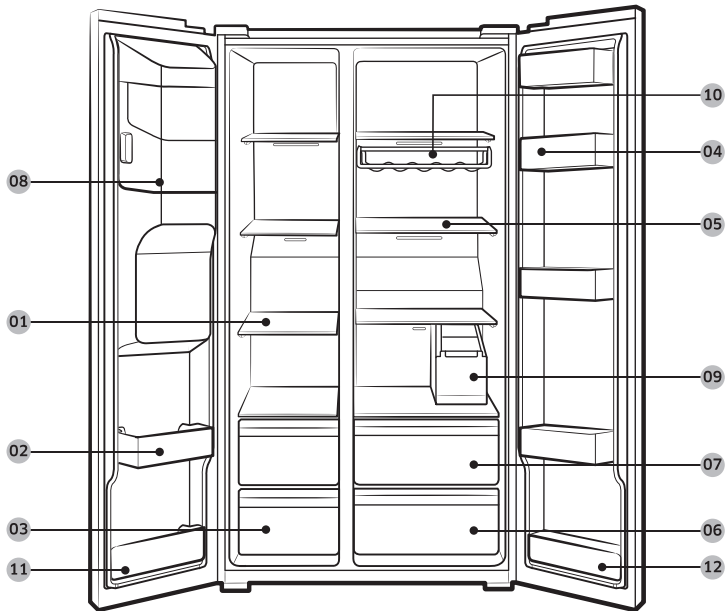
Refrigerator at a glance

The actual appearance of your refrigerator may differ, depending on the model and the country.

Normal models



Dispenser-featured models



01 Freezer shelves

02 Multipurpose freezer bin

03 Dried food and meat storage drawer

04 Refrigerator bin

05 Refrigerator shelves

06 Vegetable drawer

07 Multipurpose drawer *

08 Ice maker bucket **

09 Water tank **

10 Wine rack *

11 Lower freezer bin

12 Lower refrigerator bin

13 Curd Maestro Plus *

* Applicable models only

** Dispenser models only

Installation

NOTE

The design of the egg container may differ with the model.

CAUTION

For normal models, do not change the position of the freezer shelves. Freezer shelves have different lengths, and if you change the position, you may damage the product when closing the door.

Step-by-step installation

STEP 1 Select a site

Site requirements:

- Solid, level surface without carpeting or flooring that may obstruct ventilation
- Away from direct sunlight
- Adequate room for opening and closing the door
- Away from a heat source
- Room for maintenance and servicing
- Temperature range: between 16°C and 43°C

Effective temperature range

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

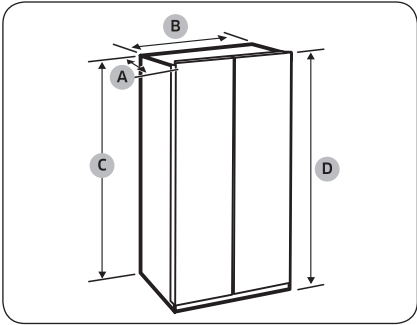
Class	Symbol	Ambient Temperature range (°C)
		IS 17550
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43

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.

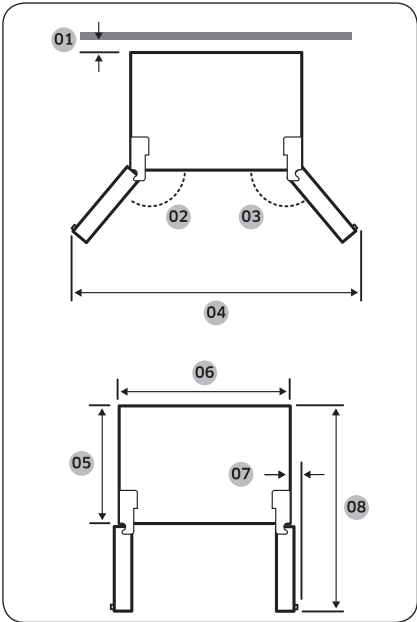
Clearance

See the pictures and table below for space requirements for installation.



Depth "A"	716
Width "B"	912
Height "C"	1746
Overall Height "D"	1780

(unit: mm)



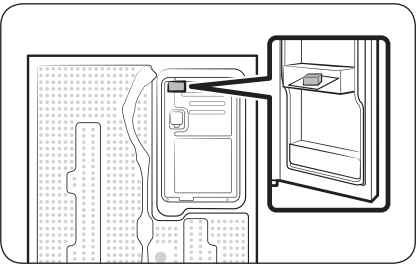
01	more than 50 mm recommended
02	165°
03	170°
04	1739 mm
05	610 mm
06	912 mm
07	30 mm
08	1165 mm

 NOTE

The measurements in the above table may differ, depending on the measuring method.

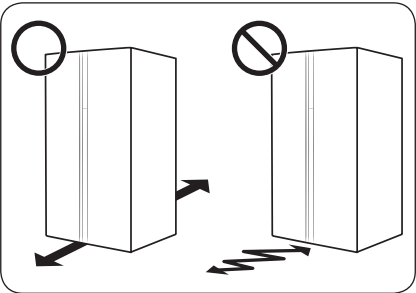
Installation

STEP 2 Spacing (applicable models only)



1. Open the door and locate the provided spacer.
2. Unpack the spacer and attach it to the rear of the refrigerator as shown. It helps ventilate air to the rear wall and save power consumption.

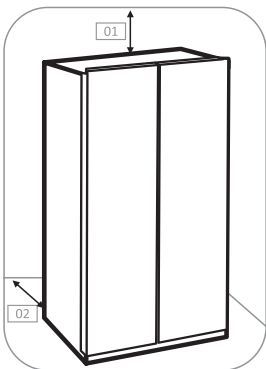
STEP 3 Flooring



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

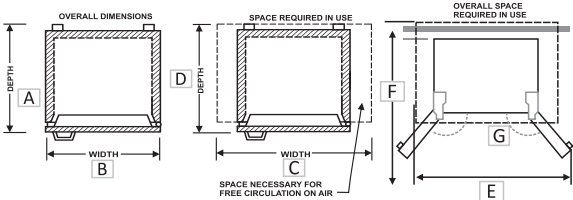
NOTE

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



Model	A	B	C	D	E	F	G
SBS	716	912	816	962	1378	1215	170*

(unit: mm) 01 100 mm 02 50 mm 03 at least 50 mm

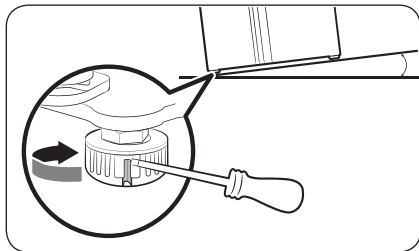


STEP 4 Adjust the levelling feet

⚠ CAUTION

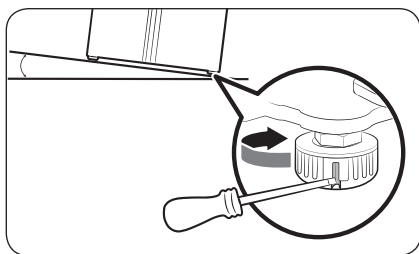
- The refrigerator must be levelled on a flat, solid floor. Failing to do so can cause damage to the refrigerator or physical injury.
- Levelling must be performed with an empty refrigerator. Make sure no food items remain inside the refrigerator.
- For safety reasons, adjust the front side a little higher than the rear side.

The refrigerator can be levelled using the front legs that have a special screw (leveller) for levelling purposes. Use a flat-head screwdriver for levelling.



To adjust the height of the freezer side:

Insert a flat-head screwdriver into the leveller of the freezer-side front leg. Turn the leveller clockwise to raise, or turn it counter clockwise to lower.



To adjust the height of the fridge side:

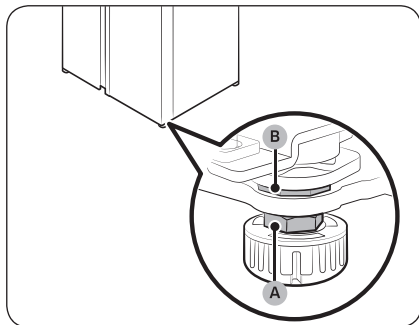
Insert a flat-head screwdriver into the leveller of the fridge-side front leg. Turn the leveller clockwise to raise, or turn it counter clockwise to lower.

Installation

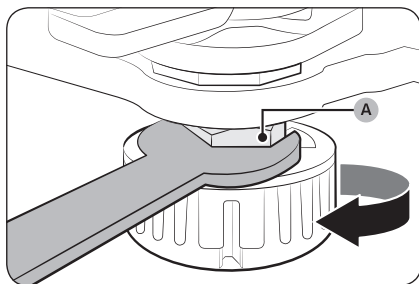
STEP 5 Adjust the door height as well as the door gap

To adjust the height of a door

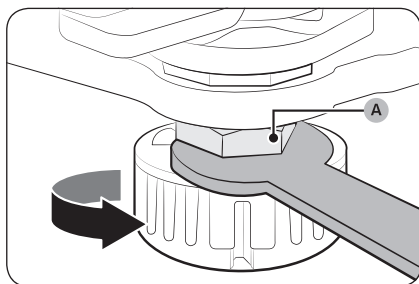
The height of a door can be adjusted using the clamp nut and the height nut on the front bottom of each door.



1. Open the door to adjust, and locate the two nuts (A) and (B) on the front bottom of the door.



2. With a 19 mm spanner (provided), turn the **clamp nut (A)** clockwise to loosen. Then, open the door, and do the following inside the door.
 - To raise the door, turn the **height nut (B)** counter clockwise.
 - To lower the door, turn the **height nut (B)** clockwise.

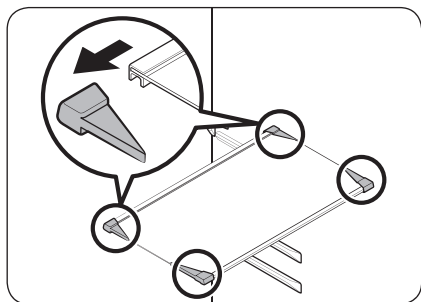


3. When complete, tighten the **clamp nut (A)** by turning it counter clockwise.

STEP 6 Initial settings *Only applicable models

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, and wait for about an hour. Then, the freezer will be slightly chilled, and the motor will run smoothly.
4. Wait until the refrigerator reaches the set temperature. Now the refrigerator is ready for use.



NOTE

Before you start using the refrigerator, make sure you remove the protective plastic cap from every shelf.

STEP 7 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 the wall or the cabinet.
- 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.

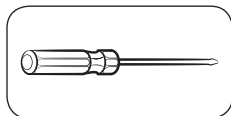
Installation

Door removal for entrance

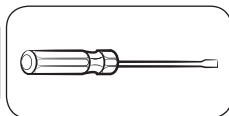
If the refrigerator cannot pass through the entrance due to its size, follow these instructions:

Tools required (not provided)

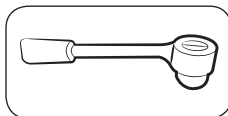
These tools are used for removing the doors.



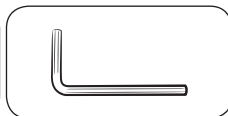
Phillips screwdriver



Flat-head
screwdriver



Socket spanner
(10 mm)

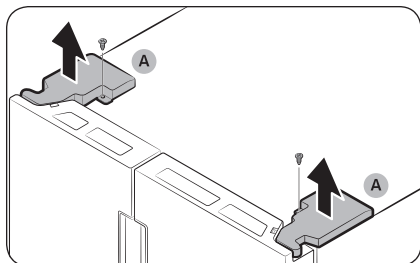


Allen spanner
(5 mm)

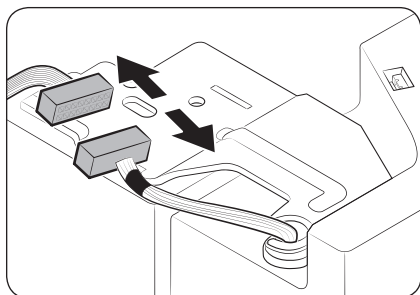
Detach the doors

⚠ CAUTION

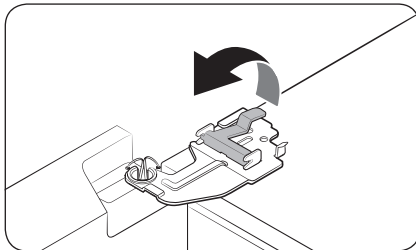
The door may fall off or over and damage itself during any of these steps. To prevent an accident, use extreme caution when performing these steps.



1. Use a Phillips screwdriver to unscrew the **hinge covers (A)** on the top of each door.
2. Open the doors to loosen the hinges and remove the hinge covers. Once the covers are removed, close the doors.



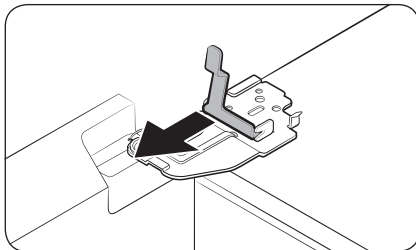
3. Disconnect the electrical harness.



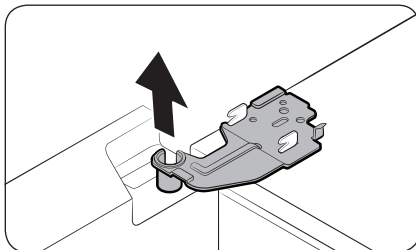
4. Gently lift the clamp.

NOTE

To prevent damage to the clamp or injuries, do not lift the clamp forcefully.



5. Pull the clamp to remove.



6. Open the door by 90 degrees. While holding the door, remove the hinge.

CAUTION

If you remove the hinge without holding the door, the door may fall and cause injury.

Installation

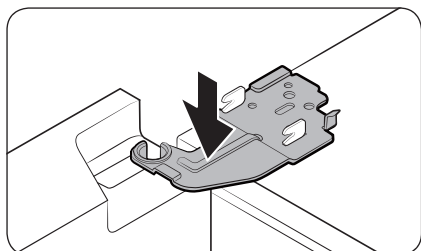
Reattach the doors

CAUTION

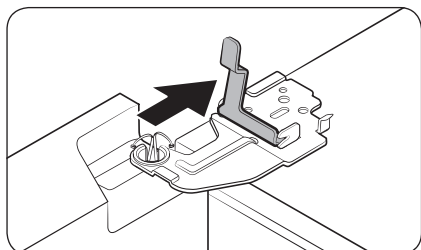
- Before reattaching the doors, make sure all the electrical connectors are properly connected.
- The freezer door must be reattached before the fridge door.
- Take care when removing the door to ensure that it does not fall on you.
- Be careful not to scratch.



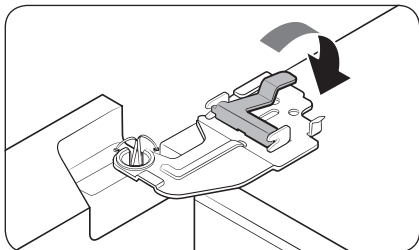
1. Hold the freezer door and hook to the hinge at the bottom of the refrigerator.



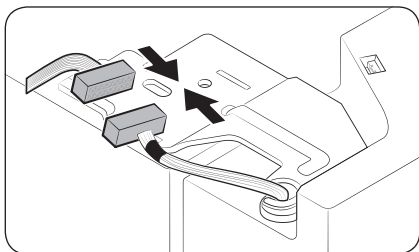
2. Put the hinge into its position, and then insert it into the hole on the door.



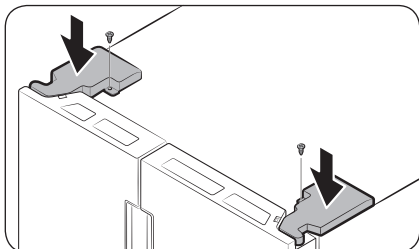
3. Insert the clamp in the arrow direction.



4. Press the clamp as shown.



5. Connect the electrical harness.

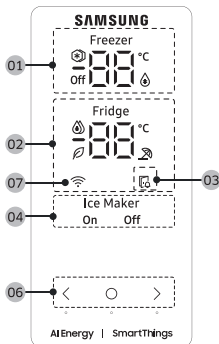


6. Insert the hinge covers with the front sides first, and then tighten the screws. Use a Phillips screwdriver for this step.

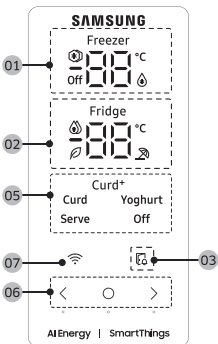
Operations

Main panel

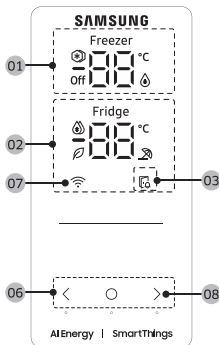
Type 1



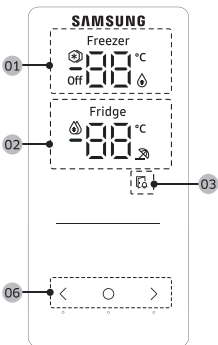
Type 2



Type 3



Type 4



01 Freezer indicator	- Displays the current or desired temperature of the freezer. ❄️ indicates that the Power Freeze function is on. 💧 indicates that the freezer is operating in Fridge mode. Off indicates that the freezer is off.
02 Fridge indicator	- Displays the current or desired temperature of the fridge. 💧 indicates that the Power Cool function is on. ❄️ indicates that the Vacation function is on. - The 🌀 icon appears if you turn on the AI Energy Mode in the SmartThings app. (applicable models only)
03 Door open indicator	This indicator blinks with an alarm if the door is left open for more than 2 minutes.

04 Ice Maker indicator (applicable models only)	- Displays the status of the ice maker. - To enable ice making, you must turn on the ice maker.
05 Curd+	- Displays the status of the curd mode. The corresponding indicator lights up and the Curd Maestro Plus is set to the selected mode. Off indicates that the curd mode is off.
06 Buttons	- When the display is off, tap any button to wake up the display. - Use  to select the fridge or freezer and  or  to select the desired temperature or function for the selected compartment.
07 Network connection indicator (applicable models only)	This icon indicates that the refrigerator is connected to a network. If the Wi-Fi icon flashes, we recommend connecting your refrigerator with the SmartThings app. You can control and monitor your refrigerator on the SmartThings app. For more information, see the SmartThings (applicable models only) section.
08 Auto door open sound (applicable models only)	Press and hold  for 3 seconds to turn on or off the sound that occurs when you use the Auto door open function.

NOTE

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

Setting the desired temperature or function

- Tap any button (, , or ) to wake up the display.
 - This step may not apply to some models.
- Tap  to select the fridge or freezer.
 - The selected compartment's indicator blinks.
 - The degrees Celsius symbol (°C) does not blink.
- Tap  or  to select the desired temperature or function.
 - Refer to the table for available selection for each compartment.

Fridge	- Available selection:  (Power Cool) ↔ 1 °C ↔ 2 °C ↔ 3 °C ↔ 4 °C ↔ 5 °C ↔ 6 °C ↔ 7 °C ↔  (Vacation) - Power Cool speeds up the cooling process at maximum fan speed. The fridge keeps running at full speed for two and a half hours and then returns to the previous temperature. - Use the Vacation function if you are going on vacation or a business trip, or if you do not intend to use the fridge for an extended time. The fridge temperature will be kept under 15 °C, but the freezer remains active as previously set.
---------------	--

Operations

Freezer	• Available selection:  (Power Freeze) ↔ -23 °C ↔ -22 °C ↔ -21 °C ↔ -20 °C ↔ -19 °C ↔ -18 °C ↔ -17 °C ↔ -16 °C ↔ -15 °C ↔  (Fridge) ↔ Off • 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. • If you select  (Fridge), the freezer operates as a fridge and the temperature setting changes to 3 °C. • If you select Off, the freezer turns off. • Empty the ice bucket before you select  (Fridge) or Off. After 15 seconds from you select  (Fridge) or Off, the ice maker will begin to dispense any ice leftover into the ice bucket.  WARNING • Do not put glass bottle containing liquid in the freezer while it is in the Fridge mode. When you unselect the Fridge mode, and the freezer returns to the freezer mode, the liquid in the glass bottles will freeze, which can cause the glass bottles to break or burst in the freezer. • Make sure to remove frozen foods from the freezer before you select the Fridge mode. Frozen foods will melt and spoil as the temperature increases. • Make sure to remove foods that you do not want to freeze before you unselect the Fridge mode and use the freezer to freeze.  NOTE • When you use Power Freeze 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. • When the freezer is set to Off mode, the freezer temperature will be kept under 15 °C, but the fridge remains active as previously set. • Do not store food or beverages in the refrigerator when the freezer is set to Off. • If you are going to use the freezer in the freeze mode, we strongly recommend that you use plastic containers to store food, especially vegetables.
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4. Wait for 5 seconds to confirm your selection.
 - The selected compartment's indicator stops blinking.

NOTE

Using Power Cool or Power Freeze increases power consumption.

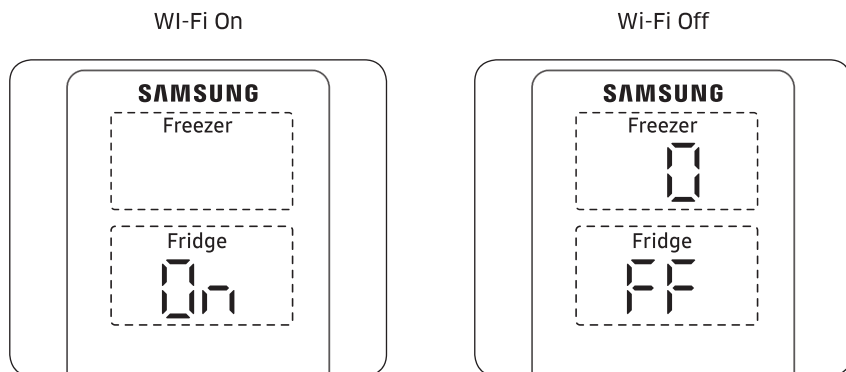
Turning on or off the ice maker (applicable models only)

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

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

Turning on or off the Wi-Fi (applicable models only)

To turn the Wi-Fi on or off, press and hold > for 10 seconds. The display shows the status of Wi-Fi for 5 seconds (as shown in the figure).



NOTE

- You must turn on the Wi-Fi to connect the refrigerator to the SmartThings app.
- For more information, see the **SmartThings (applicable models only)** section.

Operations

SmartThings (applicable models only)

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 unstandardized 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.
- 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, 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, 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.

Refrigerator app

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 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
Monitoring	Fridge temperature	You can set and monitor the desired temperature of the fridge.
	Power Cool	You can turn Power Cool on or off, and check the current settings.
	Freezer temperature	You can set and monitor the desired temperature of the freezer.
	Power Freeze	You can turn Power Freeze on or off, and check the current settings.
	Ice maker *	You can turn the ice maker on or off.
	Auto door open time *	You can set the time that the door remains slightly open by the Auto door open function.
	Auto door open sound *	You can turn on or off the sound that occurs when you use the Auto door open function.
Functions	Curd Maker *	You can select a curd mode or turn off.
	Power Cool	You can turn Power Cool on or off, and check the current settings.
Alarms	Power Freeze	You can turn Power Freeze on or off, and check the current settings.
	Abnormally high temperature	This alarm is triggered when the fridge or the freezer, has abnormally high temperatures.
	Door opening	This alarm is triggered if the fridge or freezer door is left open for a specific time.
AI Energy Mode *	Curd ready to serve *	This alarm is triggered if the curd making is complete.
	You can turn on or off the AI Energy Mode under the Energy menu in the SmartThings app. You can check the status of the AI Energy Mode on the SmartThings app. On some models, the  icon appears on the main panel to indicate that AI Energy Mode is on. (applicable models only) Turning on the AI Energy Mode decreases energy consumption, but it may also reduce the cooling performance.	

* applicable models only

Curd Maestro Plus (applicable models only)

How to use the Curd Maestro Plus

1. Tap any button (<, ○, or >) to wake up the display.
 - You can skip this step depending on the model.
2. Tap and hold ○ until the Curd+ indicator blinks.
3. Tap < or > to select a mode or turn the Curd Maestro Plus off.
 - Select Serve to store curd in the curd container.
4. Wait for 5 seconds or tap ○ to confirm your selection. The Curd+ indicator stops blinking.

How to make curd

1. Heat milk at 80 °C or higher. Allow the milk to cool down to around 40-43 °C, then pour it into the curd container.
2. Add a starter (about 1.5-20 % of the amount of milk) to the milk in the curd container and mix well.
3. Close the curd container lid, put the curd container into the Curd Maestro Plus, and then select Curd or Yogurt.
4. When curd making is complete (approximately 8-12 hours), Serve LED turns on and an alarm will sound.

NOTE

Thickness and flavor of the curd depend on the type of milk as well as the type and ratio of starter used.

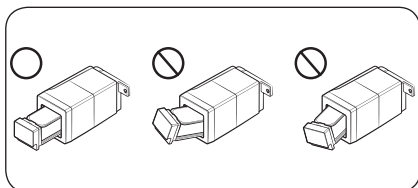
CAUTION

- Do not use the Curd Maestro Plus for any purposes other than curd making.
- It takes 8-12 hours to make curd. (The stated time is based on complying with the instruction in this manual.)
- Make sure the Curd Maestro Plus is in Serve mode to refrigerate when storing curd that was made elsewhere.
- You cannot make curd using low temperature (25 °C or lower) milk.
- If you are not using the Curd Maestro Plus, turn the Curd Maestro Plus off.
- Always close the lid on the curd container. If the lid is not closed, contents may get into the Curd Maestro Plus, causing malfunction.
- Do not put hot milk (over 50 °C) or other beverages in the curd container.
- Do not use stale milk to make curd.
- Clean the curd container and lid after each use to prevent unpleasant smells.
- Use a smooth, damp cloth to clean inside the Curd Maestro Plus in the refrigerator. Be careful not to hurt your hands while cleaning.
- Clean the curd container with lukewarm water using neutral detergent.
- If you want to clean the curd container with hot water, try to keep the cleaning time to less than a minute.
 - Do not submerge the curd container and lid in boiling water. They may become warped.
 - Do not use the curd container in a dishwasher or microwave.

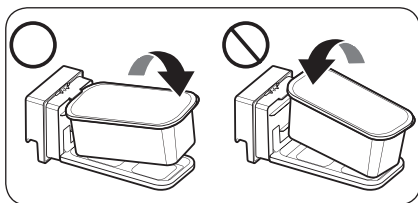
Operations

- If you want your fermented curd to be thicker, select **Curd** or **Yogurt** to your preferred thickness. The Curd Maestro Plus starts an additional fermenting process. To end the additional fermenting, select **Curd** or **Yogurt** again. When complete, it will automatically enter Serve mode.
- If there's a power failure during curd making, the fermenting process will resume when the power comes back on.

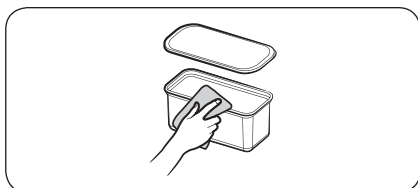
NOTE



When removing or inserting the tray, care must be taken in order to avoid damage from collision with other parts, or to prevent the Curd Maestro Plus from tipping over.

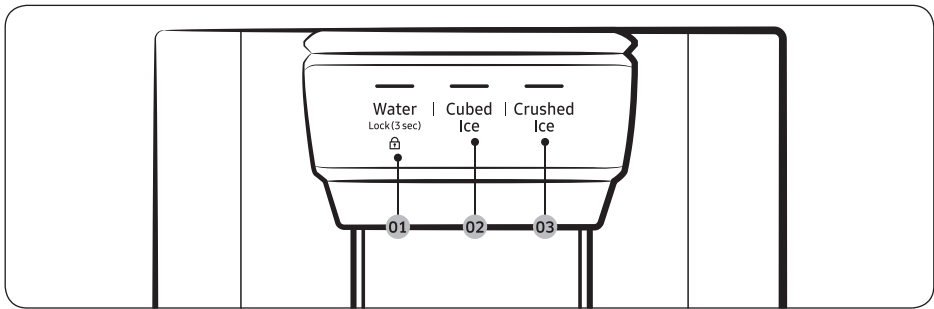


The Curd Maestro Plus must be placed correctly in the tray. Insert the front portion first then the rear.



Clean both the container and the lid after each use.

Dispenser panel (applicable models only)



01 Water / Lock

02 Cubed Ice

03 Crushed Ice

01 Water / Lock (3 sec)

Water	To dispense chilled water, press Water . The corresponding indicator turns on.
Lock (Dispenser panel / Dispenser lever)	To prevent use of the dispenser panel buttons and the dispenser lever, press and hold Water for more than 3 seconds. If you press and hold the button again for more than 3 seconds, the dispenser lock will be deactivated. NOTE The Lock on the dispenser panel does not affect the controls on the main panel. To lock the main panel, use the Control Lock function on the main panel.

02 Cubed Ice

Cubed Ice	Press Cubed Ice to dispense cubed ice. The corresponding indicator turns on.
-----------	---

03 Crushed Ice

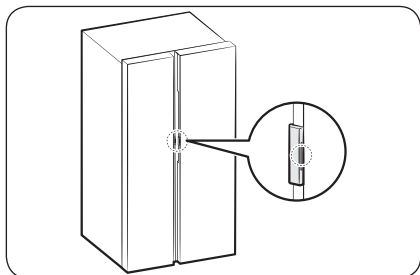
Crushed Ice	Press Crushed Ice to dispense crushed ice. The corresponding indicator turns on.
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Operations

Special features

The refrigerator features user-oriented devices that you can use to benefit from.

Auto door open function (applicable models only)



1. Touch where the auto door open sensor is. The door slightly opens.

NOTE

For your safety, the Auto door open function works only one door at a time.

2. When the door slightly opens, hold the handle and fully open the door.
 - The door does not close automatically. Close the door manually after use.

CAUTION

- The Auto door open 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.
- 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.)

NOTE

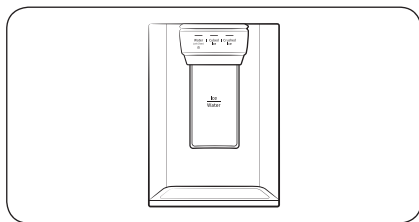
If the front side of the refrigerator is lower than the rear side, the door may not close properly after you open the door with the Automatic door opening function. Use the levelling feet to set the front side a little higher than the rear side.

Water/Ice dispenser (applicable models only)

Using the dispenser, you can dispense water with or without ice.

The water dispenser offers 3 options: chilled water, cubed ice, and crushed ice. To dispense chilled water, press **Water** on the dispenser panel. Put a water glass under the dispenser, and then push the dispenser lever.

To dispense water with ice



1. With the Ice Maker enabled, press **Cubed Ice** or **Crushed Ice** to select the ice type.
2. Put a water glass under the dispenser, and then push the **dispenser lever** with the glass. Ice will be dispensed from the dispenser.
3. Press **Water** to select water.
4. Push the **dispenser lever** with the glass. Water will be dispensed from the dispenser.

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.

Ice maker (applicable models only)

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

Ice making

After you have installed your refrigerator and plugged it in, follow these instructions to ensure proper ice making and to keep the ice bucket full of ice:

1. Let the refrigerator operate for at least 24 hours to ensure optimal performance.
2. Dispense the first 4 to 6 ice cubes into a glass.
3. Wait another 8 hours and dispense another 4 to 6 ice cubes.
4. Then, wait another 16 hours and dispense the first glass-full of ice.

NOTE

- If you consume all the ice at once, you must wait 8 hours before dispensing the first 4 to 6 cubes. This ensures that the ice bucket is filled with ice properly.
- Ice cubes generated rapidly may look white, which is normal.

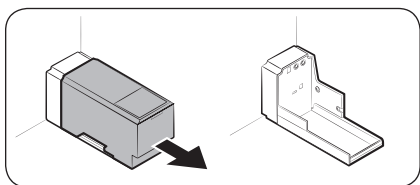
Operations

⚠ CAUTION

Dispense the ice according to the size of the cup.

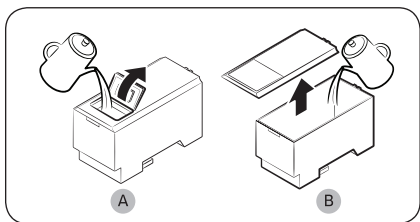
- If you dispense excessive amount, ice may fall out on the ground and cause personal injury.
- Ice may accumulate and block the ice chute.

To fill the water tank (applicable models only)



For first-time use, clean the inner side of the water tank and dry well.

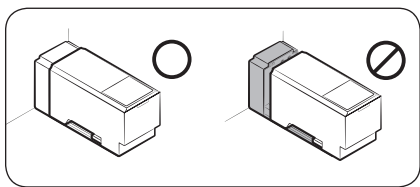
1. Hold both handgrips on the front of the tank, and slide out as shown.



2. Open the **front lid (A)** of the cover or the **entire cover (B)** and fill the tank with a max of 5 litres water.

⚠ CAUTION

- Do not exceed the max line. Water overflows.
- Fill with potable water only.



3. Reinsert the water tank and fit into the dispenser mechanism. Make sure the front side (with the front lid) of the tank faces to the front.

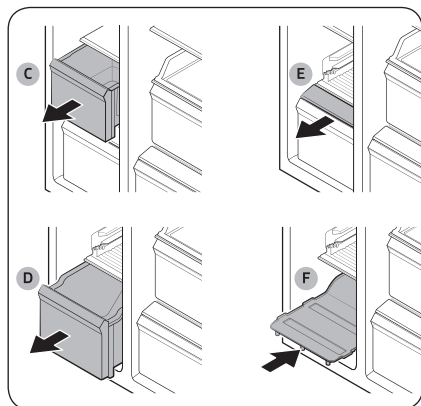
⚠ CAUTION

- Make sure the water tank fits into the shelf. Otherwise, the water tank may not operate properly.
- Do not use the refrigerator without inserting the water tank. This may decrease the cooling performance.
- Fill the tank only with potable water such as mineral or purified water. Do not use other liquid.
- Use caution when moving a filled tank. Physical injury may occur if the tank is dropped.
- Do not try to disassemble the internal pump yourself. If the internal pump is damaged or disconnected from the water tank, the dispenser does not operate.

For first-time use

- Push the dispenser lever for 10 seconds to emit air from the hoses of the water supply system.
- Discard the first six glasses of water to remove impurities in the water supply system.

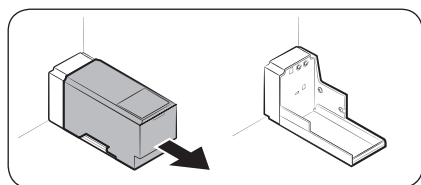
To secure more storage space (applicable models only)



To secure more space, remove the **upper drawer (C)**, **lower drawer (D)**, and **lower drawer cover (E)**. Then, insert the provided bottom shelf (F).

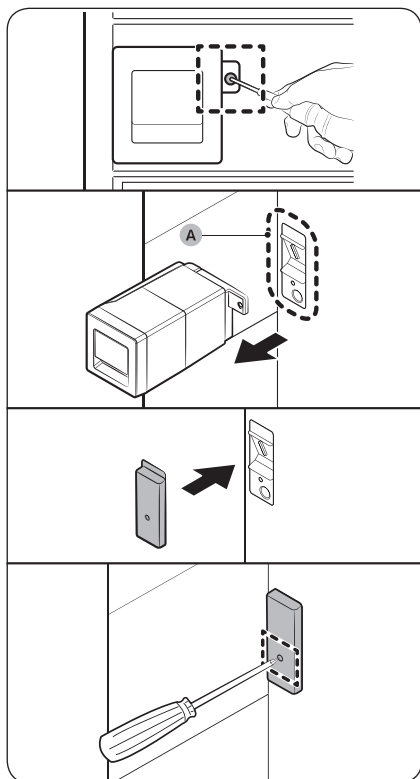
NOTE

- Removing the drawers does not affect the temperature or usage of the freezer.
- The declared freezer volume is measured with the bottom shelf, after removing the upper drawer, lower drawer, and lower drawer cover.



For more space, remove the water tank and use the space to store more items.

Operations

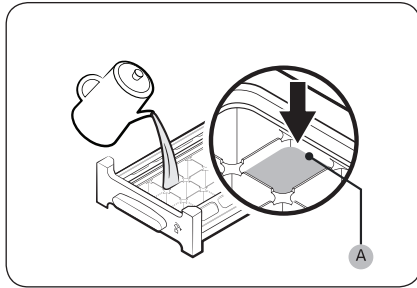


To secure more room, remove the **Curd Maestro Plus** and use the space for storing more food items.

1. Use a phillips screwdriver to press down the side button at the rear of the **Curd Maestro Plus**.
2. Pull up the **Curd Maestro Plus** to remove.
3. Insert the **outlet cap** in the inner outlet (A). Then, tighten the cap with a screw.

Ice making (applicable models only)

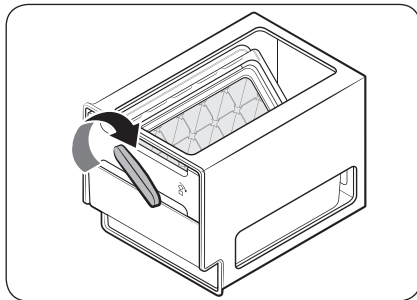
Twist ice maker



1. Open the freezer door, and slide open the ice tray.
2. Fill the tray with water up to the **maximum level (A)** marked on the inner rear of the tray.
3. Slide the tray back into position.

NOTE

The ice making time depends on your temperature settings.



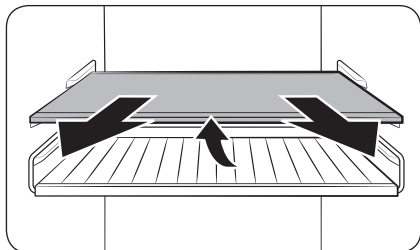
NOTE

- Make sure the ice cube storage bin is in place under the ice tray.
- To dispense the ice cubes, turn the handle of the bin to the right to empty half of the ice cubes into the bin. Then, turn it to the left to empty the other half.
- Take out the bin by slightly twisting and pulling to the front.

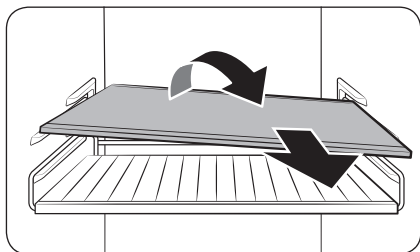
Maintenance

Handle and care

Shelves (fridge/freezer) / Wine rack (applicable models only)



1. Pull out the shelf (or wine rack) a little. Then, while lifting the rear side, pull out.



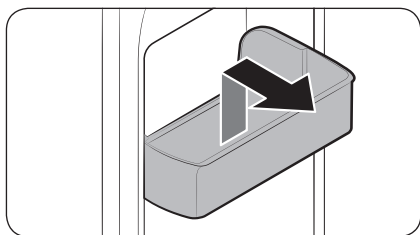
2. Twist the shelf (or wine rack) diagonally to remove.



CAUTION

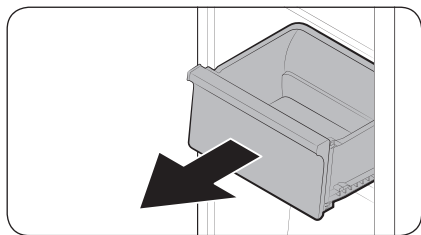
- The shelf must be inserted correctly. Do not insert upside down.
- Glass containers may scratch the surface of glass shelves.
- Do not insert a shelf in the wine rack position. This may damage the refrigerator. (applicable models only)

Door bins



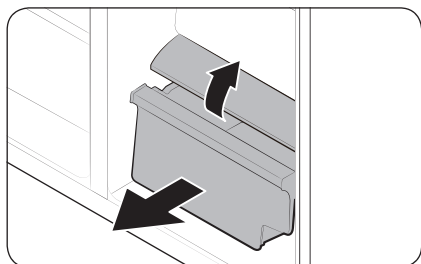
To remove a door bin, hold the front sides of the bin and gently lift up to remove.

Drawers



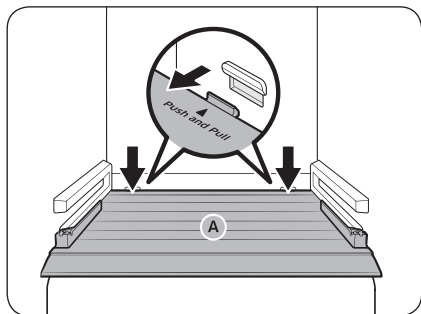
Gently lift up the front of the drawer and slide out.

Vegetable / Dried food and meat storage drawer (applicable models only)



To remove the vegetable drawer from the fridge or the dry drawer from the freezer:

1. First, remove surrounding multipurpose drawers if necessary.
2. If your refrigerator has a **cover (A)** for the vegetable/dry drawer, remove it in the following method.
 - a. Pull the drawer halfway out.
 - b. Pull the cover while pressing the rear sides (as marked in the figure).
3. Gently pull out the vegetable/dry drawer.



Icemaker bucket

To remove the ice maker bucket, see the Icemaker bucket section on page .

Maintenance

Cleaning

Interior and exterior

WARNING

- Do not use benzene, thinner, 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.
- Do not put fingers or other objects into the dispenser hole.

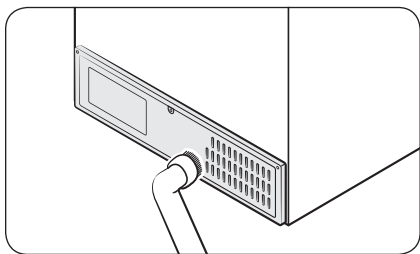
Regularly use a dry cloth to remove all foreign substances such as dust or water from the power plug terminals and contact points.

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

Rubber seals

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

Rear panel



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

CAUTION

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

Replacement

Lamps

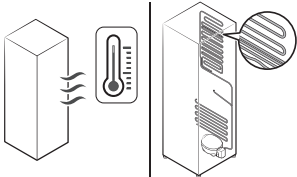
The lamps are not user-serviceable. To replace the lamps of the refrigerator, contact a local Samsung service centre.

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 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. 

Odour

Symptom	Possible causes	Solution
Refrigerator has odours.	• Spoiled food.	• Clean the refrigerator and remove any spoiled food.
	• Food with strong odours.	• 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.

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

SmartThings (applicable models only)

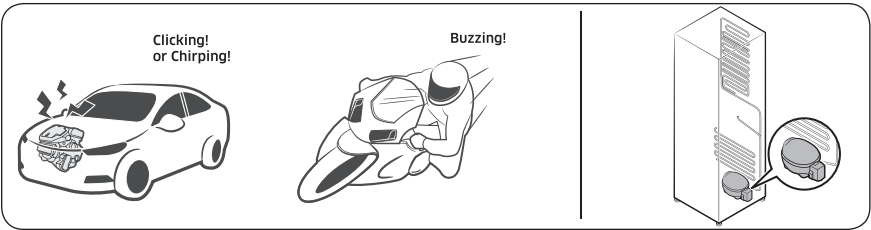
Symptom	Action
Could not find "SmartThings" in the app market.	The supporting software version of the SmartThings app is subject to change according to the OS supporting policy the manufacturer provides. In addition, as for the SmartThings app or the functions that the app supports, the new application 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 you have not connected your refrigerator to the SmartThings App after the app was installed, you must make the connection using the device registration function of the app.
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. - Unplug the power cord of the refrigerator, and then plug it in again after 1 minute.
The Wi-Fi icon is blinking. ()	- Connect your refrigerator with the SmartThings app before use. When the connection is made successfully, the indicator stops blinking. - If you fail to make connection or don't want to use the app, press and hold the > button for 10 seconds. The indicator stops blinking with "OFF" shown on the temperature display.

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.

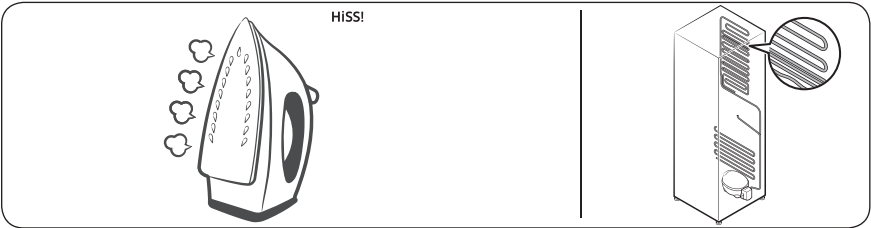
- When starting or ending an operation, the refrigerator may make sounds similar to a car engine igniting. As the operation stabilizes, the sounds will decrease.



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

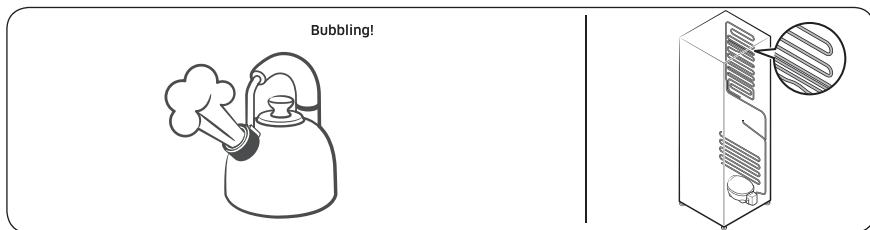


- During a defrost cycle, water may drip on the defrost heater, causing sizzling sounds.

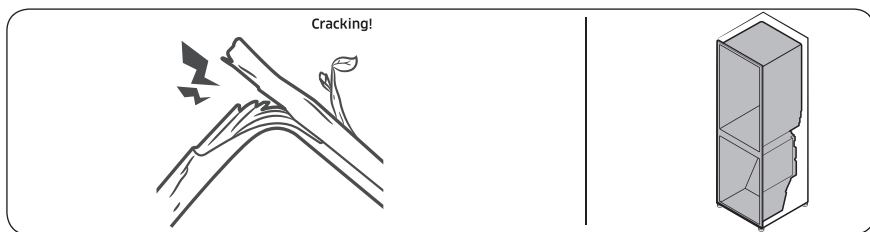


Troubleshooting

- 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.

Open Source Announcement

(Wi-Fi model only)

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.





This warranty card gives the key points related to warranty claim. for further details log on to www.samsung.com/in/support.

Warranty Card

*TERMS & CONDITIONS

1. Proof of purchase is a pre-requisite to claim warranty.
2. The product should have been purchased from an authorised Samsung Sales Dealer in India.
3. Warranty can be claimed only if the repair was carried out by the Samsung authorised service center.
4. Carry-in service or In-Home service applicability depends on the product category and Samsung policy.
5. Free installation or demo of the product, if applicable, can be availed only once and within 6month from the date of purchase. In case of installation, any additional material required over and above the standard installation kit shall be on the chargeable basis.
6. In case of defective accessory, only the accessory will be repaired or replaced.
7. Cosmetic/ Aesthetic / Plastic / Glass Parts /Bulbs / Cable /Wiring / Piping/ Consumables are not covered under warranty.
8. The defective parts/ products which were replaced by Samsung under this warranty shall be the property of Samsung.
9. While carrying out repair, Samsung may use accessories or parts that are new or refurbished or reconditioned.
10. Samsung shall not be liable for any losses or consequential losses due to product failure or the installed software.
11. Samsung shall be free to decide on whether or not to provide a software update for its products.
12. Samsung shall not be responsible for any loss or misuse of data, personal information, setting, third party software during product usage or repair or software update.
13. Samsung shall not be liable for any loss, cost, expense, inconvenience or damage that may result from use inability to use the product. Under no circumstances shall Samsung be liable for any loss, cost, expense, inconvenience or damage exceeding the purchase price of the product.
14. Defects caused by customer negligence, tampering shall void the product warranty.
15. Any extended/addition warranty offered by Samsung has to be supported by relevant proofs.
16. Usage of power stabilizers of proper rating is necessary unless explicitly mentioned by Samsung on product literature/instruction booklet.
17. In case of defect arising out of installation done by party other than Samsung authorised party, the limited warranty will be applicable as per revised T&C as Samsung shall deem fit.
18. Regular upkeep, maintenance and cleaning of parts are necessary in certain products. Such periodic maintenance shall be on chargeable basis unless otherwise provided and not covered under warranty.
19. In the event of any unforeseen circumstances, and spares not being available Samsung's prevailing depreciation rules will be binding on the purchaser and same shall be considered as a commercial solution in lieu of repairs.
20. Defects arising out of the following are not covered under warranty like Mishandling/Misuse, Improper ventilation, Improper voltage, Use of external material, Normal wear and tear, Physical damage and / or electrical damage caused by physical impact.
21. Complaints related to playability, printability, compatibility with external accessories, software, file systems, third party applications, CODEs, signals, Networks & ISP bandwidth shall not be considered as defect in product and not covered under warranty.
22. This warranty covers only the defects in products arising out of manufacturing or faulty workmanship.
23. This warranty covers repair/replacement of parts.
24. Warranty period of parts & accessories may vary from product to product.
25. Maximum liability out of this warranty is limited to the product purchase value/MRP.
26. No warranty on certain parts/conditions/types of product failures.
27. Under certain conditions where warranty obligations cannot be met, depreciation will be applicable on the existing product.

CUSTOMER DETAILS CUM WARRANTY CARD

Model No.: _____ Customer copy (to be retained by customer): _____

Product Serial No.: _____ Date of Purchase: _____

Name: _____

Address in Full: _____

Telephone No.: _____ Model No: _____

Dealer Name & Address : _____

Customer's Signature & Date
(I accept the Terms & Conditions of warranty)

Dealer 's Signature with rubber stamp

The Warranty shall be null and void in any of the following cases, and in such cases Samsung may at its sole discretion repair the equipment on a chargeable basis. The decision of Samsung, whether a complaint falls in any of these categories or not shall be binding on the Purchaser.

- The duly filled warranty card/proof of purchase is not presented to the service engineer at the time of repairs being undertaken / requested.
- The original serial number of the product is removed, altered or obliterated from the product.
- The product purchased is not used as per the rated power conditions or instructions mentioned in the INSTRUCTION MANUAL.
- The product is being used for commercial purpose OR if the product has been used excessively and beyond reasonable usage as permitted within the product instruction manual.
- Site (premises where the product is used/ kept) conditions that do not conform to the recommended operations of the product.
- Defects caused due to exposure to moisture/dampness/extreme thermal or environmental conditions or rapid changes in such of conditions/corrosions/oxidations/spilling of food/liquid/influence of Chemical substances.
- Defects due to causes beyond control like lightning, abnormal voltage, spikes, external sources (ex: cable/set top box connections), fire, water logging, natural calamities, commotion, riots, theft, anti-social action, acts of God or while in transit.
- Defects caused by household pets, rats, cockroaches, ants, pests, fungi or any other animal/birds/insects.
- Defects caused due to negligence/omission of the Purchaser on account of periodic maintenance(s)/periodic servicing as mentioned in the instruction manual of the product.
- Defects caused due to usage of third party material/non Samsung Authorized Consumables.
- Any modifications, including but not limited to, rooting attempts, reverse engineering, unlocking, jail-breaking etc. of the original firmware(s) or software(s) of the product.
- Repair due to misuse/third party repair attempts are not covered in warranty.
- Warranty does not cover repair due to external factors/mediums/data types.
- Warranty shall apply only if the product is used as per its usage specifications (ex: personal, commercial etc.)
- Warranty shall be void if product has failed under certain conditions/types (ex: water logging, misuse, etc.)

All disputes arising out of this warranty are subject to Delhi jurisdiction only.

Warranty period commences from the date of purchase of the product unless specified otherwise.

Product Group	Product Description	Warranty Period (Months)	Parts/Accessory Warranty (if applicable)
Refrigerator	Refrigerator	12	120 months for Digital Inverter Compressor*

* 15 Months from date of purchase or 12 months from installation, whichever ends early. **12 Months from date of commissioning.

" In case of parts warranty, labour cost and gas charging cost(if applicable) will be chargeable as per the applicable rates.



Correct disposal of the product (Waste Electrical & Electronic Equipment)

This marking on the product, accessories or literature indicates that the electronic accessories (e.g. charger, headset, and USB cable) should not be disposed with other household waste at the end of their working life.



For more information on safe disposal and recycling visit our website or contact number.

SAMSUNG INDIA ELECTRONICS PRIVATE LIMITED

Registered Address: 6th Floor, DLF Centre, Sansad Marg, New Delhi-110001, Visit : www.samsung.com/in

Samsung Helpline - Call : 1800 5 7267864 (1800 5 SAMSUNG) / 1800 40 7267864 (1800 40 SAMSUNG)

Marking and Labeling Information as per Plastic Waste Management Rules

Brand Owner Name	EPR Registration No.	Thickness of Plastic Packaging (In case of CAT-II)
Samsung India Electronics Private Limited	BO-20-000-05-AAACS5123K-22	> 50 Micron

Contact SAMSUNG WORLD WIDE

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

Country	Contact Center	Web Site
INDIA	1800 5 7267864 (1800 5 SAMSUNG) Toll-Free 1800 40 7267864 (1800 40 SAMSUNG) Toll-Free	www.samsung.com/in/support

This Product is RoHS compliant

