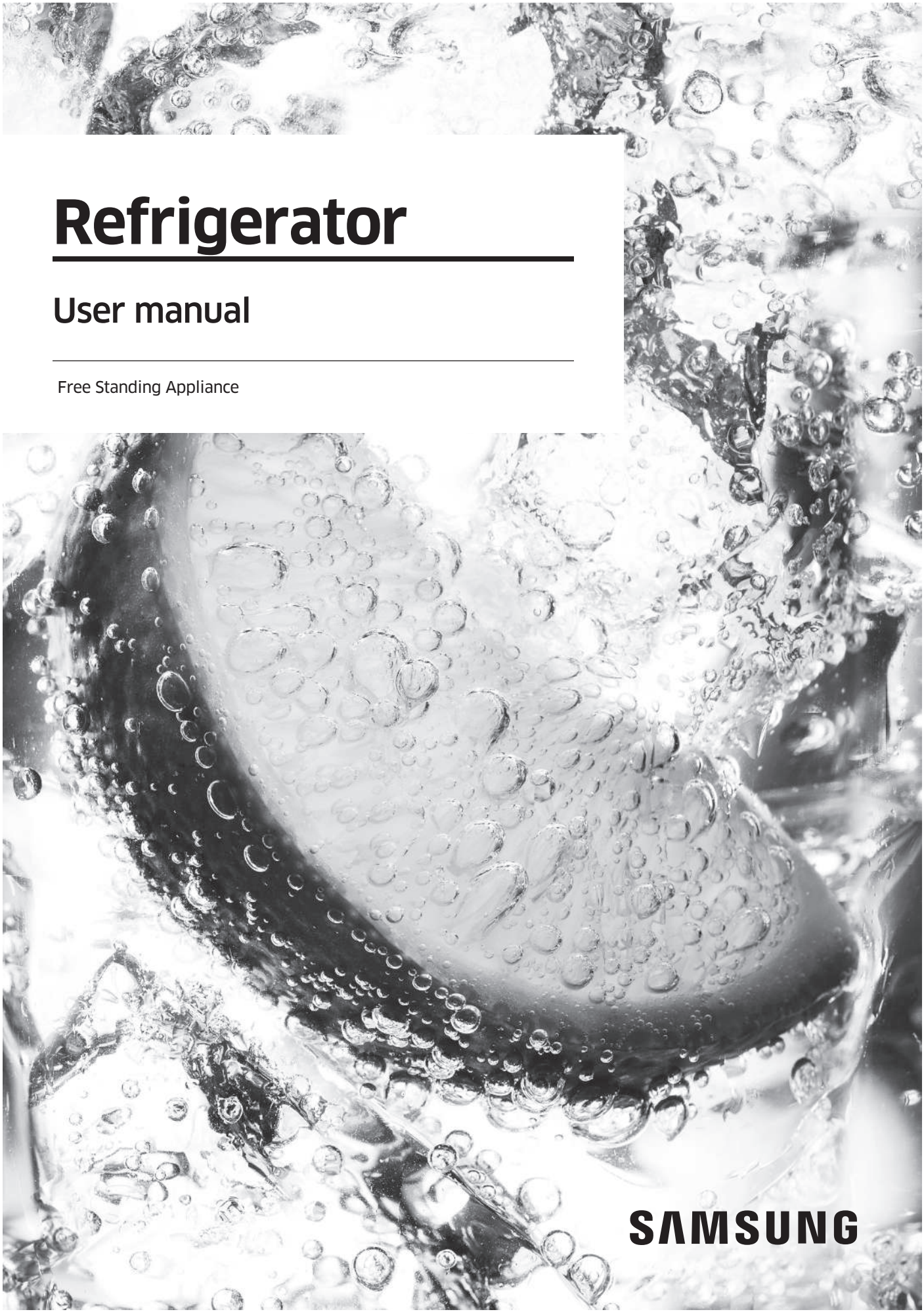
Refrigerator

User manual

Free Standing Appliance



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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.
- 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.
- 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 refrigerator. When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.

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Safety information

- 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 and move anything flammable away from the product and ventilate the room immediately.
  - Failing to do so may result in fire or explosion.
- It is hazardous for anyone other than an Authorised Service Person to service this appliance.



Warning; Risk of fire / flammable materials

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Important safety symbols and precautions:

⚠ WARNING

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

⚠ CAUTION

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

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.

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.

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Safety information

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.

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- 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 store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- 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.
- The appliance must be positioned so that the plug is accessible after installation.
  - Failing to do so may result in an electric shock or fire due to electric leakage.
- 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.

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Safety information

- 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.

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

Installation cautions

⚠ CAUTION

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

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Safety information

Critical usage warnings

⚠ WARNING

- Do not insert the power plug into a wall socket with wet hands.
  - This may result in an electric shock.
- Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause personal injury and/or material damage.
- Do not insert hands, feet or metal objects (such as chopsticks, etc.) into the bottom or the back of the refrigerator.
  - This may result in an electric shock or injury.
  - Any sharp edges may cause a personal injury.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- Do not put a container filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.
- Do not keep volatile or flammable objects or substances (benzene, thinner, propane gas, alcohol, ether, LP gas, and other such products) in the refrigerator.
  - This refrigerator is for storing food only.
  - This may result in fire or explosion.
- Children should be supervised to ensure that they do not play with the appliance.
  - Keep fingers out of “pinch point” areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open the doors if children are in the area.
- Do not 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.

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- 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.
- Do not place or use electrical appliance inside the refrigerator/ freezer, unless they are of a type recommended by the manufacturer.
- 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.

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Safety information

- 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.
- 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.
- 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 fridge shelf in upside down. Shelf stopper could not work.
  - It may cause a personal injury because of glass shelf drop.
- Keep fingers out of “pinch point” areas. Clearances between the doors and cabinet are necessarily small. Be careful when you open the doors if children are in the area.

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- If a gas leak is detected, avoid any naked flames or potential sources of ignition, and air the room in which the appliance is standing for several minutes.
  - Do not touch the appliance or power cord.
  - Do not use a ventilating fan.
  - A spark may result in explosion or fire.
- Use only the LED Lamps provided by the manufacturer or its service agents.
- 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.
  - Unauthorized modifications can cause safety problems. To reverse an unauthorized modification, we will charge the full cost of parts and labor.
- 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 interior or exterior LED lamp has gone out, contact your nearest service center.
- 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.

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Safety information

- 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.
- If the product is equipped with LED lamps, do not disassemble the Lamp Covers and LED lamps yourself.
  - 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 re-freeze frozen foods that have thawed completely. Do not place carbonated or fizzy drinks in the freezer compartment. Do not put bottles or glass containers in the freezer.
  - When the contents freeze, the glass may break and cause personal injury.
- Use only the ice maker provided with the refrigerator.
- 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.

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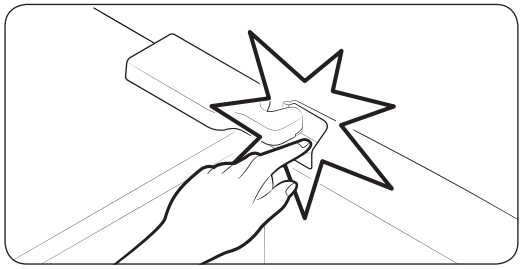
- Do not place glass bottles or carbonated beverages into the freezer. They can freeze and break. Broken beverage containers can cause injury.
- Please observe maximum storage times and expiration dates of frozen goods.

• Do not place glass or bottles or carbonated beverages into the freezer.
  - The container may freeze and break, and this may result in injury.
• Do not place carbonated or fizzy drinks in the freezer compartment. Do not put bottles or glass containers in the freezer.
  - When the contents freeze, the glass may break and cause personal injury and property damage.
• 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.

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Safety information

- 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.

- The lamps in the freezer and refrigerator can be turned off if the doors of the freezer and refrigerator are left open for 2 seconds or longer.
  - The lamps will turn back on when the doors are closed and opened again.
- 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.

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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.

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Safety information

- 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.

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Critical disposal warnings

⚠ WARNING

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

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Safety information

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.

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Saving Energy Tips

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

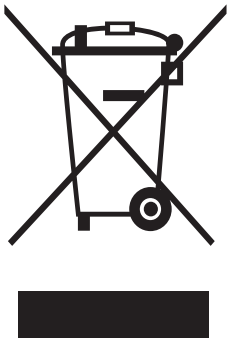
This appliance is intended to be used in household and similar applications such as

- 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.

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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.

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Installation

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

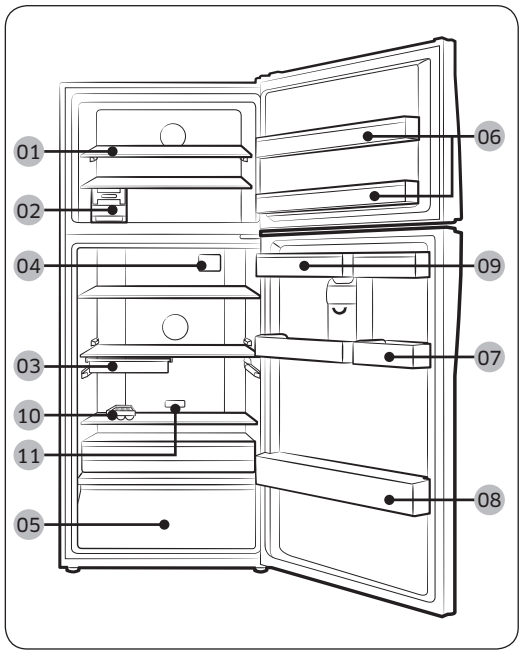
⚠ WARNING

- 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.

Refrigerator at a glance

NOTE

The actual image and provided component parts of the refrigerator may differ, depending on the model and the country.



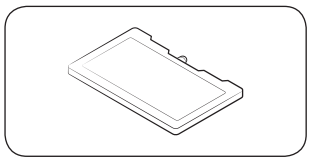
01 Shelf-Fre
02 Ice Maker
03 Deli Bin *
04 A/Bacteria Protector *
05 Vegetable Box *
06 Freezer bin
07 Variety bin
08 Bottle bin
09 Water Tank *
10 Egg bin
11 Deodorizer *

* applicable models only

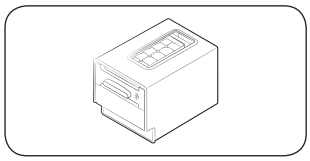
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Installation

Optional accessories *



Cool pack: This helps keep the refrigerator cool.



Twist Ice Maker: Used to make ice.

* Your refrigerator may not include optional accessories listed above. Provision of optional accessories depends on the model and the country.

To secure more room for storage in the freezer compartment

Remove the ice maker, which can be detached manually without a tool.

- Removal of the ice maker does not affect thermal and mechanical performance of the freezer.

For best energy efficiency, make sure all of shelves, drawers, and baskets are placed in their original position.

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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 10 °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)	
		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

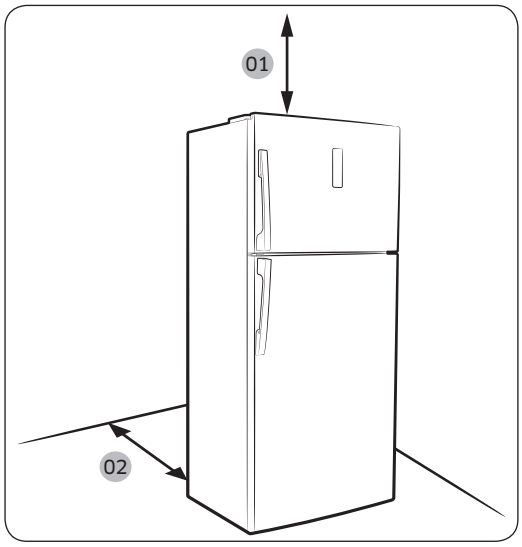
The cooling performance and power consumption of the refrigerator may be affected by the ambient temperature, the door-opening frequency, and the location of the refrigerator. We recommend adjusting the temperature settings as appropriate.

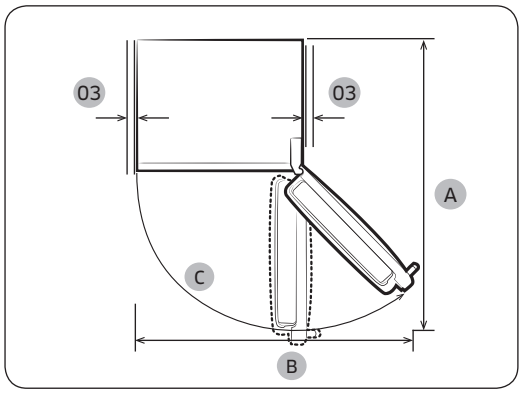
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Installation

Clearance

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





Model	A	B	C
RT58	1507	1352	120˚
RT62	1507	1352	120˚

(unit: mm)

01 100 mm
02 50 mm
03 at least 50 mm

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STEP 2 WiFi connection

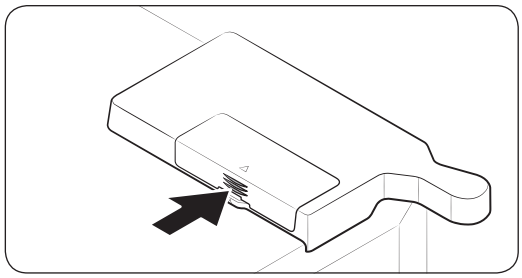
You can control the refrigerator remotely using the Smart Home Adapter that is sold separately. To purchase the Smart Home Adapter, visit www.samsung.com and follow the product information about the adapter.

NOTE

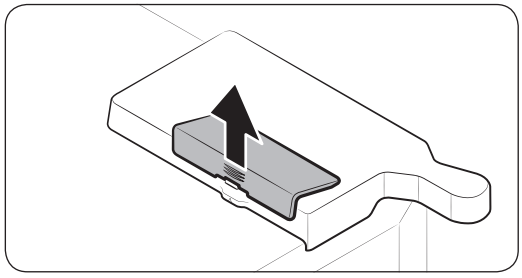
You may not be able to purchase the Smart Home Adapter separately in some countries. Please check with your dealer for availability.

⚠ CAUTION

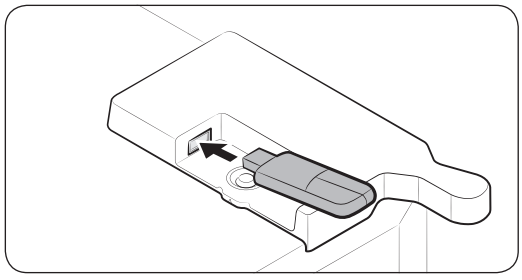
- The Samsung Smart Home Adapter comes in two types: one that is dedicated to Samsung smart TVs, and the other one that is dedicated to Samsung home appliances.
- You must purchase the Samsung Smart Home Adapter (HD39N1230GW) dedicated to home appliances. Any other adapters may cause system failure.



1. Press to unlock the arrow area of the adapter cover.



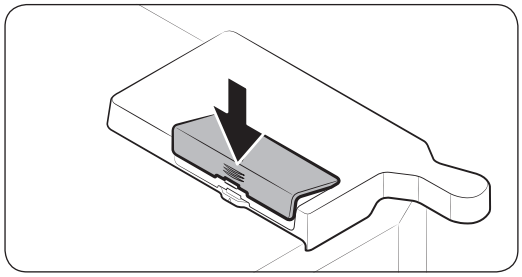
2. Open up the adapter cover.

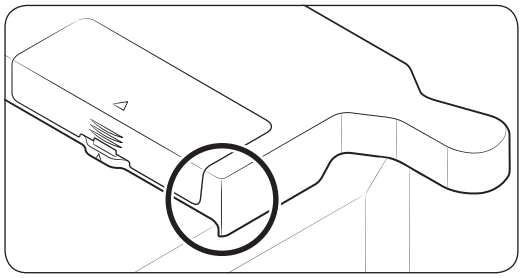


3. Insert the Smart Home Adapter into the adapter port in the correct direction.

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Installation



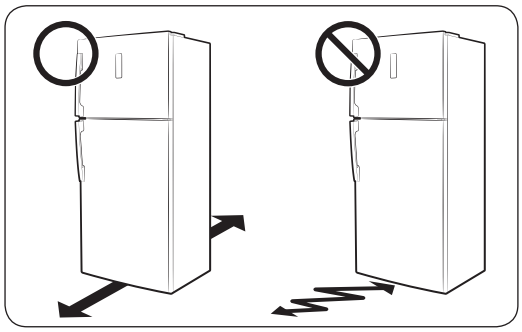


4. Insert the upper area of the adapter cover first, and then close to lock as shown.

NOTE

The marked area is the cover of the optional adapter, not a crack or defect.

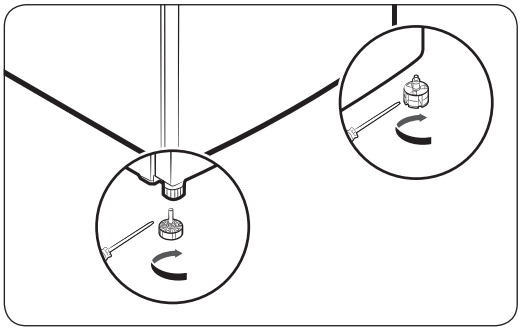
STEP 3 Flooring



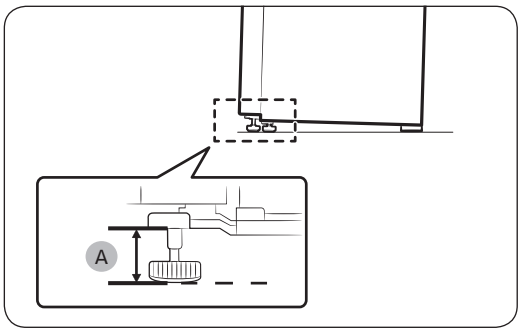
- The surface to install the refrigerator must support a fully loaded refrigerator, or approximately 100 kg.
- To protect the floor, put a large piece of cardboard on each leg of the refrigerator.
- Once the refrigerator is in its final position, do not move it unless necessary to protect the floor. If you have to, use a thick paper or cloth such as old carpets along the movement path.

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STEP 4 Adjust the levelling feet



Level the refrigerator by manually adjusting the levelling feet. Turn the levelling feet clockwise to lower the position, or turn counter clockwise to raise.



Leave the feet at least 35 mm (A) from the floor as shown.

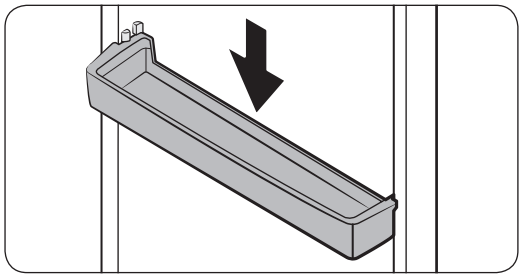
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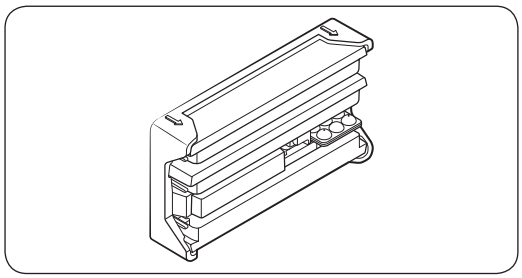
Installation

STEP 5 Unpack and put accessories in place (applicable models only)

The accessories that ship with this refrigerator are properly packed for transportation and safety reasons. Unpack those accessories and put them in place.

Door bins





There are door bins provided with the product. Insert door bins each to the freezer and the fridge.

If you want to use the egg tray, make sure it is put in the fridge or inserted in the door bin.

NOTE

Firmly press the door bins when assembling them to the door.

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STEP 6 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, 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.

STEP 7 Final check

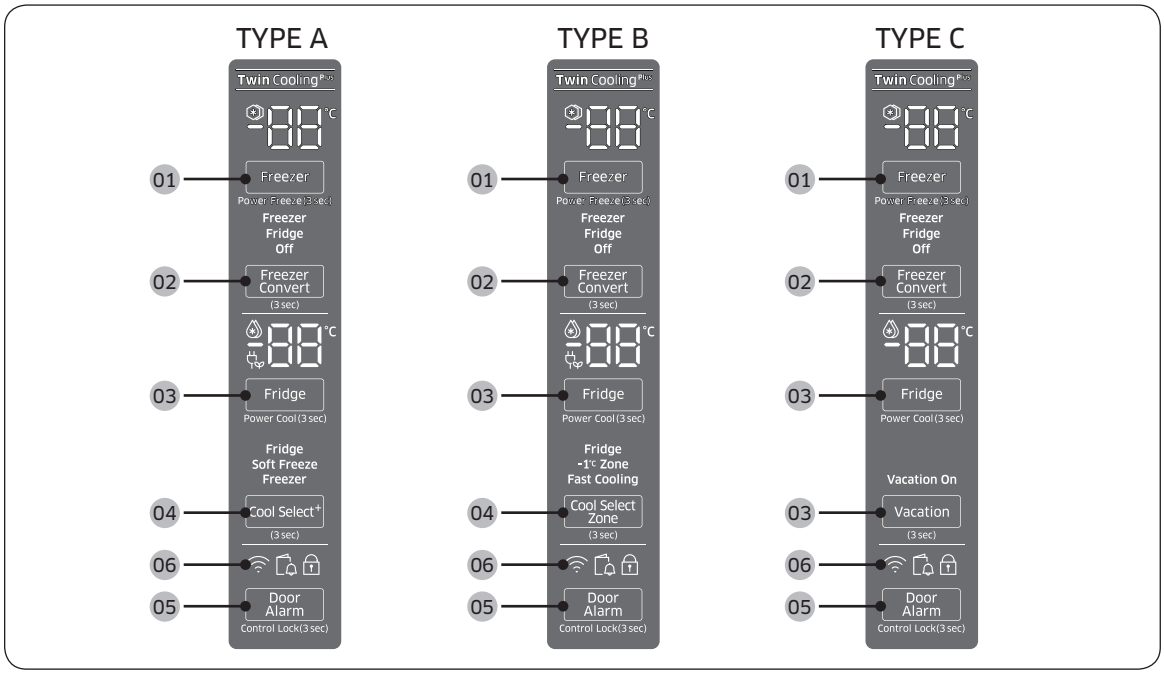
When installation is complete, confirm that:

- 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.

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Operations

Feature panel



01 Freezer / Power Freeze

02 Freezer Convert

03 Fridge / Power Cool / Vacation

04 Cool Select+ / Cool Select Zone (Type A and Type B models only)

05 Door Alarm / Control Lock

06 Network connection (applicable models only)

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01 Freezer / Power Freeze

Freezer	The **Freezer** button can be used to set the freezer temperature. Available temperatures are between -15 °C and -23 °C. ⚠ **CAUTION** • To prevent system failure or food spoiling, do not set the temperature to -15 °C in summer (above 35 °C). • Do not store glass bottles containing liquid in the freezer. Glass bottles will crack or break into pieces when the liquid freezes.
Power Freeze	Power Freeze speeds up the freezing process at maximum fan speed. The freezer keeps running at full speed for several hours and then returns to the previous temperature. • To activate Power Freeze, press and hold **Freezer** for 3 seconds. The corresponding indicator (❄) lights up, and the refrigerator will speed up the cooling process for you. • To deactivate, press and hold **Freezer** again for 3 seconds. The freezer returns to the previous temperature setting. • To freeze large amounts of food, activate Power Freeze for at least 20 hours before putting food in the freezer. • The freezer keeps running at full speed for 50 hours and then returns to the previous temperature. **NOTE** Using Power Freeze increases power consumption. Make sure you turn it off and return to the previous temperature if you do not intend to use it.

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Operations

02 Freezer Convert

Freezer Convert	You can use the entire refrigerator with Fridge mode, or turn off the freezer. To change the default freezer mode, press and hold **Freezer Convert** for 3 seconds to enter the selection mode. Then, press **Freezer Convert** to select a desired mode. The mode changes in this sequence: Fridge → Off → Freezer → Off → Fridge setting mode. • If you select Fridge, the Fridge indicator turns on. Power Freeze will be deactivated if active, and Ice On will turn off if enabled. • If you select Off, the Off indicator turns on. The freezer will be turned off. • If you select Freezer, the Freezer indicators turns on for your selection. Your changes will be set and activated after 10 seconds. To cancel or change the mode again, press and hold **Freezer Convert** again for 3 seconds. Then, follow the instructions as mentioned above. **NOTE** • If you press and hold **Freezer Convert** for 3 seconds, the refrigerator switches to selection mode where you can press **Freezer Convert** to select a different mode. • When refrigeration or freezing functions are at 'Off mode', the temperature of the fridge or freezer remains under 15 °C to prevent mold and odors, using low electricity. • Fridge or Freezer cannot be powered off independently. • Do not store food or beverage in refrigerator when refrigeration or freezing functions are at 'Off mode'. 15 °C is not cool enough to prevent spoilage.

⚠ WARNING

- Do not put glass bottles containing liquid in the freezer. When cancelling Freezer Convert, the glass bottles may break or burst in the freezer.
- Make sure to remove frozen foods from the freezer before enabling the Freezer Convert. Frozen foods melt and spoil as the temperature increases (Freezer mode changes to Fridge mode).
- Make sure to remove chilled foods from the freezer before disabling the Freezer Convert. Chilled foods may freeze as the temperature decreases (Fridge mode changes to Freezer mode).

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NOTE

If you want to use Freezer Convert, it is strongly recommend to use plastic containers to store food, especially vegetables.

03 Fridge / Power Cool / Vacation

Fridge	To adjust the fridge temperature, press **Fridge** to select the corresponding temperature. You can change the temperature between 1 °C and 7 °C. **⚠ CAUTION** • In winter, do not set the temperature control to 1 °C. This may cause problems with the cooling performance. • In summer, do not set the temperature control to 5-7 °C. This may also cause problems with the cooling performance.
Power Cool	Power Cool speeds up the cooling process at maximum fan speed. The fridge keeps running at full speed for several hours and then returns to the previous temperature. • To activate Power Cool, press and hold **Fridge** for 3 seconds. The corresponding indicator (❄) lights up, and the refrigerator will speed up the cooling process for you. • To deactivate Power Cool, press and hold **Fridge** again for 3 seconds. The fridge returns to the previous temperature setting. **NOTE** Using Power Cool increases power consumption. Make sure you turn it off and return to the previous temperature if you don t intend to use it.

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Operations

Vacation	If you are going on vacation or a business trip, or if you do not intend to use the fridge for an extended time, use the Vacation mode. (Type A and Type B models only) • To activate Vacation mode, press **Fridge** with the 1 °C indicator selected. The vacation indicator ( ) turns on while the display of the fridge temperatures will turn off. The display of Type A (Cool Select+) and Type B (Cool Select Zone) models also turns off. The fridge temperature will be controlled under 15 °C, but the freezer remains active as previously set. • To deactivate Vacation mode, press **Fridge** again. The fridge temperature will restore the 7 °C. Note that Type A (Cool Select+) and Type B (Cool Select zone) models return to the temperature settings of the fridge. (Type C models only) • To activate Vacation mode, press and hold **Vacation** for 3 seconds. The Vacation On indicator turns on while the display of the fridge temperatures will turn off. The fridge temperature will be controlled under 15 °C, but the freezer remains active as previously set. • To deactivate Vacation mode, press and hold **Vacation** again for 3 seconds. The fridge temperature will return to the previous setting. **NOTE** It is strongly recommended to empty the fridge compartment and make sure the door is closed. For Cool Select+/Cool Select Zone models, Vacation mode is controlled under 15 °C just like the fridge settings. However, the relevant indicator turns off, depending on the model.

04 Cool Select+ / Cool Select Zone

Cool Select+ (TYPE A)	Press and hold **Cool Select+** for 3 seconds. Then, press again to select a desired mode. The corresponding indicator turns on. • Fridge If selected, the Cool Select Zone will be set to 3 °C. • Soft Freeze If selected, the Cool Select Zone will be set to -5 °C. This is useful to store meat and/or fishery for an extended time. • Freezer If selected, the Cool Select Zone will be set to -12 °C. This is useful to keep frozen vegetables for an extended time.

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Cool Select Zone (TYPE B)	Press and hold **Cool Select Zone** for 3 seconds. Then, press again to select a desired mode. The corresponding indicator turns on. • **Fridge** If selected, the Cool Select Zone will be set to 3 °C. • **-1 °C Zone** If selected, the Cool Select Zone will be set to -1 °C. This is useful to store perishable foods. • **Fast Cooling** Select this if you want to fast cool foods. The Cool Select Zone will cool foods at max speed for 60 minutes.

05 Door Alarm / Control Lock

Door Alarm	You can set the alarm for a reminder. If the door is left open for more than 2 minutes, the alarm will sound with the Alarm indicator blinking. You can toggle to enable and disable the alarm by pressing **Door Alarm**. The alarm is enabled by factory default.
Control Lock	To prevent accidental manipulation, press and hold **Door Alarm** for 3 seconds to activate the Control Lock. All controls will be disabled with the indicator ( ) on. To deactivate, press and hold again for 3 seconds. The controls will be enabled as normal.
Device authentication	When connecting the refrigerator to Samsung Smart Home App or Samsung smart devices such as Samsung Smart TVs, follow the app's or device's onscreen instructions and press and hold **Door Alarm** for 5 seconds. The temperature panel displays "**on**" for 5 seconds before proceeding with the authentication procedure. Note that the Door Alarm function will be not affected by this authentication.

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Operations

06 Network connection (applicable models only)

You can use the optional Smart Home Adapter (sold separately) to control and monitor your refrigerator through the SmartThings app. For more information about SmartThings, see the SmartThings section.

NOTE

- 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 featuring the Samsung Smart Home Adapter 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.

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SmartThings (available only with the optional adapter)

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 SmartThings app is designed for Android 6.0 (Marshmallow) or later, iOS 10.0 or later, iPhone 6 or later, and is optimized for Samsung smartphones (Galaxy S and Galaxy Note series).
- For improved performance, the SmartThings app is subject to change without notice, or discontinued support according to the manufacturer’s policy.

Samsung account

You are required to register with a 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

1. Insert the Smart Home Adapter into the corresponding port of your refrigerator.
2. Run the SmartThings app and log in with your Samsung account. iPhone users are required to provide the login information each time they access the app.
3. Access **Add Device** and then tap **Refrigerator**.
4. Follow the onscreen instructions to provide the necessary information about the router, and then tap **Next**.
5. Press and hold **Fridge** for more than 5 seconds until the "AP" message appears on the display. Your refrigerator will be registered with the app.
6. When device registration is complete, the refrigerator icon will appear on the SmartThings app.
7. Tap the refrigerator icon to open the refrigerator page.
8. When a network connection is established, the Wi-Fi icon lights up on your refrigerator.

Refrigerator app

Integrated control

You can monitor and control your refrigerator at home as well as while on the move.

- Tap the refrigerator icon on the SmartThings to open the refrigerator page.
- Check the operation status or notifications for your refrigerator, and change options or settings if necessary.

NOTE

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

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Operations

Key features

Register Samsung smart home appliances to the SmartThings server for remote access.

Menu overview

Chat control	You can control your Samsung smart home appliances remotely, or check the operating status.
Home view (applicable models only)	By using the built-in camera of a Samsung smart home appliance, you can monitor your living room. This is available only with applicable models.
Master key	The master key is designed to control the locking system for different user activities such as going out, coming home, going to bed at night, and waking up in the morning. This is available only with applicable models.
Customer service	The user manual is downloadable, and the contact information for customer support is also provided.
Settings	You can check the connected device as well as the software information (version and open-source licenses), and add devices or select a country. You can simulate the operation of the current device for demonstration purposes.

Refrigerator settings

Fridge	• Displays the currently set fridge temperature. • You can turn on or off Power Cool, and check the current settings.
Freezer	• Displays the currently set freezer temperature. • You can turn on or off Power Freeze, and check the current settings.
Cool Select	• Displays the current mode setting. • Depending on the model, it displays Cool Select+, Cool Select Zone, or none.

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About Device	• Displays the product information including the current version, tutorial, Self Check, and Help Desk. The user manual is downloadable, and the contact information for customer support is also provided. Self Check By referencing Self Check, you can check the diagnostic results of your refrigerator. If you encounter an abnormal symptom, Self Check displays an information that can be used for customer service.

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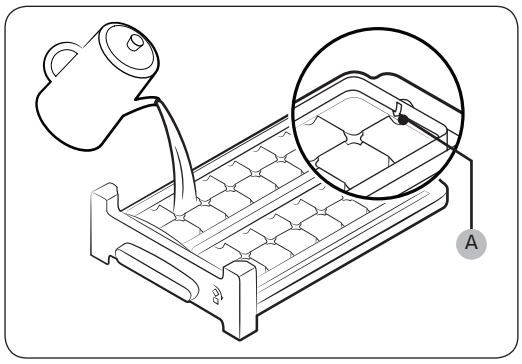
Operations

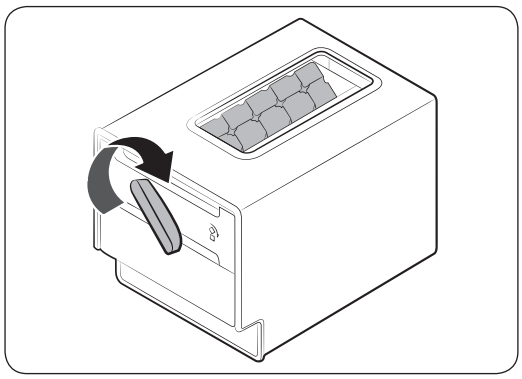
Special features

The actual image and special functions of your refrigerator may differ, depending on the model and the country.

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.

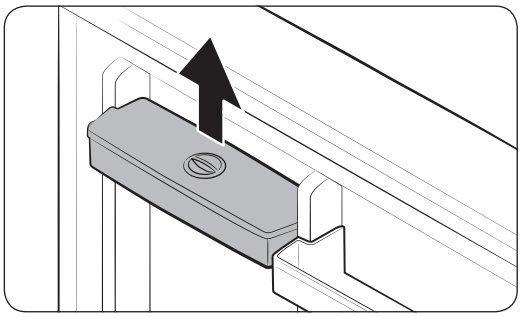
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Water dispenser

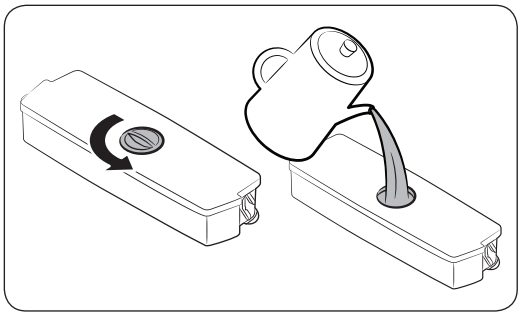
With the water dispenser, you can dispense water without opening the fridge door. The water tank must be filled with potable water before use.

To fill the water tank with potable water

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



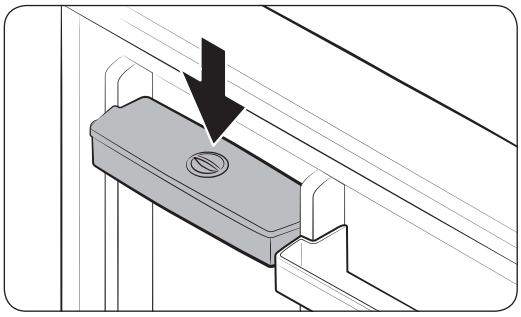
1. Hold the handgrips on both sides of the water tank and lift up to remove.



2. Fill the water tank with potable water up to 2.8 liters. You can remove either the top cap or the cover and pour water.

NOTE

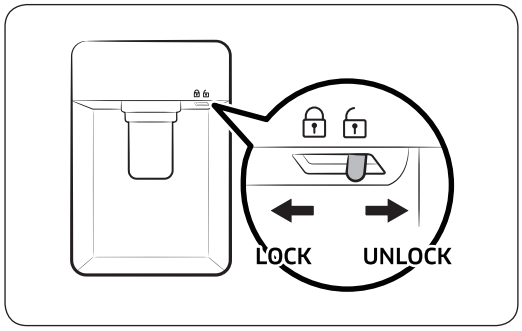
For first-time use, clean inside the water tank.



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

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Operations



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

⚠ CAUTION

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

NOTE

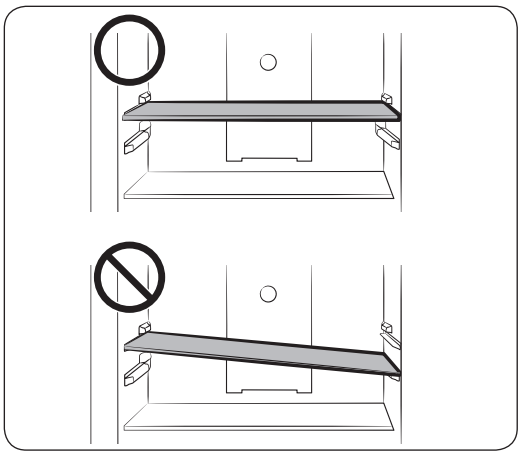
To secure more room, you can use the water tank to store food. In this case, remove the lid of the tank.

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Maintenance

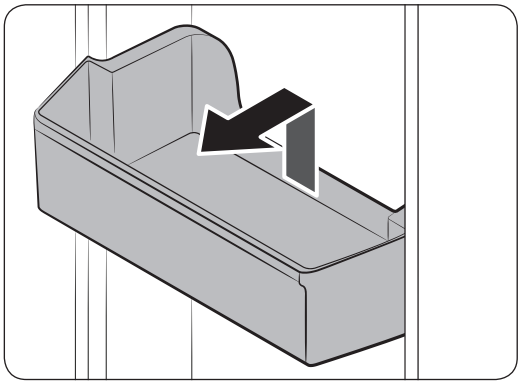
Handle and care

Freezer and fridge shelves



- To remove a shelf, first open the door completely. Pull the shelf forward, lift up, and then pull out.
- When reinserting the shelf, make sure the “Front” label of the shelf faces forward.
- Do not attempt to tilt the shelf into position.

Door bins



Slightly lift up and pull out the door bin.

⚠ **CAUTION**

To prevent accidents, empty the door bins before removing.

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Maintenance

Cleaning

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 of the refrigerator.
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 of the refrigerator to turn the refrigerator on.

NOTE

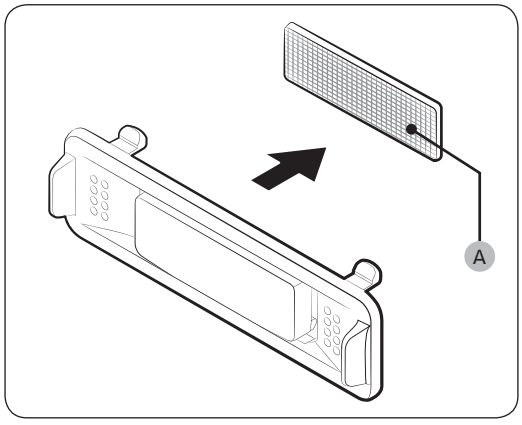
If you have removed any removable parts such as shelves for cleaning, refer to the overall layout in the What's included section to make sure you have reinserted correctly.

⚠ 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.

Replacement

Deodorizer filter (applicable models only)



While holding the top and bottom sides of the filter case, unlock the filter case to reveal the deodorizer filter (A). Replace the filter, and then reinsert the case.

Lamps and anti-bacteria filter

Neither lamps nor the anti-bacteria filter are user-serviceable. Do not attempt to replace them yourself. To replace them, contact a local Samsung service centre.

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Troubleshooting

If you encounter an abnormal situation with the refrigerator, first check the table below and try the suggestions.

General

Symptom	Action
Does not operate or cool.	• Make sure the power cord is connected properly. • Make sure the temperature control is set correctly. • Make sure to keep the refrigerator away from direct sunlight or a heat source. Failing to do so may affect the cooling performance. • Make sure the refrigerator has enough room from the rear and side walls or the cabinet. Failing to do so may affect the cooling performance. • Too much food may block the ventilation of the refrigerator. To keep the refrigerator in normal operation, do not put too much food inside.
Food in the fridge freezes.	• Check if the temperature control is set to the lowest temperature. If so, change the temperature to higher or optimal. • This happens if the ambient temperature is too low. Set the temperature higher. • Check if food containing a high portion of water is put in the coldest area of the fridge or near the cooling vent. If this happens, move the food to other shelves in the fridge.
Emits noises.	• Make sure the refrigerator is installed on a stable, flat surface. • Make sure the refrigerator has enough room from the rear and side walls or the cabinet. • Make sure to keep the refrigerator from impurities or foreign objects inside or underneath. • The refrigerator may produce a ticking sound from inside, which occurs when the various removable parts contract or expand. This is not a system failure.

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Troubleshooting

Symptom	Action
The front corners and sides become warm and form condensation.	• 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. • Condensation may form on the exterior surface of the refrigerator if humid air comes into contact with the cool surface of the refrigerator.
The ice maker does not make ice.	• You must wait for 12 hours until the refrigerator makes ice. • Make sure the ice maker is not stopped while making ice. • Make sure the freezer is set below 0 °C (or -5 °C in warm ambient air). • Make sure the water tank is filled with water.
The water dispenser is not functioning.	• Check if the water tank is frozen. If so, select a higher fridge temperature. • Make sure the water tank is filled with water. • Make sure the water tank is installed properly. • Make sure the water filter is installed properly.
Produces a bubbling sound.	• The refrigerator makes this sound during the cooling process, which is normal.
A bad smell comes from inside the refrigerator.	• Check for any spoiled food. We recommend cleaning the refrigerator on a regular basis and remove any spoiled or suspect food items. • Make sure strong smelling food is wrapped up airtight.
Frost forms on the interior walls.	• Make sure no food blocks the vents of the refrigerator. It is also important to arrange food items evenly for ventilation. • Make sure the door is closed properly.
Condensation forms on the interior walls or around vegetables.	• This happens when food containing a high portion of water is stored uncovered, or the door has been left open for a while. • Make sure food is covered or put in sealed containers.

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SmartThings

Symptom	Action
Could not find “SmartThings” in the app market.	• The SmartThings app is designed for Android 6.0 (Marshmallow) or later, iOS 10.0 or later, iPhone 6 or later, and is optimized for Samsung smartphones (Galaxy S and Galaxy Note series).
The SmartThings app fails to operate.	• The SmartThings app is available for applicable models only. • The old Samsung Smart Refrigerator app cannot connect with SmartThings 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. • Make sure that the Smart Home Adapter is inserted properly. • 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/Router) in your home.
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 information message appears when I try to register my refrigerator.	• Network 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. • Remove the Smart Home Adapter, and reconnect it properly. Then, try again.

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SAMSUNG

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

Country	Contact Center	Web Site
U.A.E	800-SAMSUNG (800 - 726 7864)	www.samsung.com/ae/support (English) www.samsung.com/ae_ar/support (Arabic)
OMAN	800-SAM CS (800-72627)	
KUWAIT	183-CALL (183-2255)	
BAHRAIN	8000-GSAM (8000-4726)	
QATAR	800-CALL (800-2255)	
EGYPT	08000-7267864 16580	www.samsung.com/eg/support
ALGERIA	3004	www.samsung.com/n_africa/support
PAKISTAN	0800-Samsung (72678)	www.samsung.com/pk/support
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JORDAN	0800-22273 06 5777444	www.samsung.com/levant/support
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