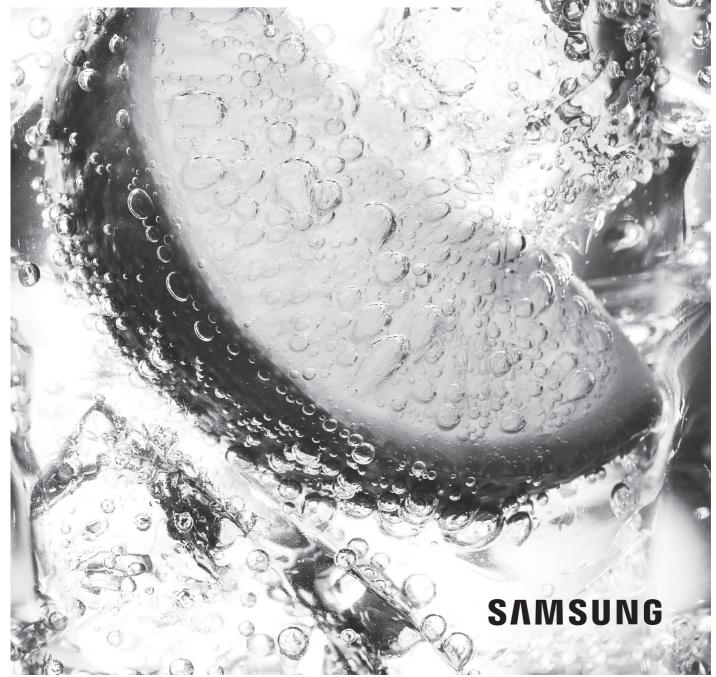




User manual

Free Standing Appliance









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2 English





- 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.
- 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.
- It is hazardous for anyone other than an Authorized Service Person to service this 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.



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.

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.



English 5



Critical installation warnings

⚠ WARNING

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

6 English



English 7



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.

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.
- 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.
- 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.
- 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.
- 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.
- Never put fingers or other objects into the water dispenser hole, ice chute and ice maker bucket.
 - It may cause a personal injury or material damage.
- Do not attempt to repair, disassemble, or modify the refrigerator yourself.
- 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.





- 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.
- Have the refrigerator's water supply connected only to a potable water supply. To operate the ice maker properly, water pressure of 20 ~ 125 psi (138 ~ 862 kPa) is required. If you will be away from home for a long period of time (on vacation, for example) and won't be using the water or ice dispensers, close the water valve.
 - Otherwise, water leakage may occur.
- If you won't be using the refrigerator for a very long period of time, (3 weeks or more)
 empty the refrigerator including 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.
 - 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.









- 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.
- 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.
- If you have a long vacation planned or do not intend to use the refrigerator for a long period of time, (3 weeks or more) empty the refrigerator including the ice bucket, pull out the power plug, close the water valve, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.
- 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.
- If the refrigerator is flooded, make sure to contact your nearest service center.
 - There is a risk of electric shock or fire.





English 11





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.
- Before cleaning or performing maintenance, unplug the appliance from the wall socket.
 - Failing to do so may result in an electric shock or fire.

Critical disposal warnings

⚠ WARNING

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







- Cyclopentane is used in the insulation. The gases in the insulation material require a special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product.
- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
 - If a child places a bag over his or her head, the child could suffocate.

Additional tips for proper usage

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







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.







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.





English 15



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

⚠ WARNING

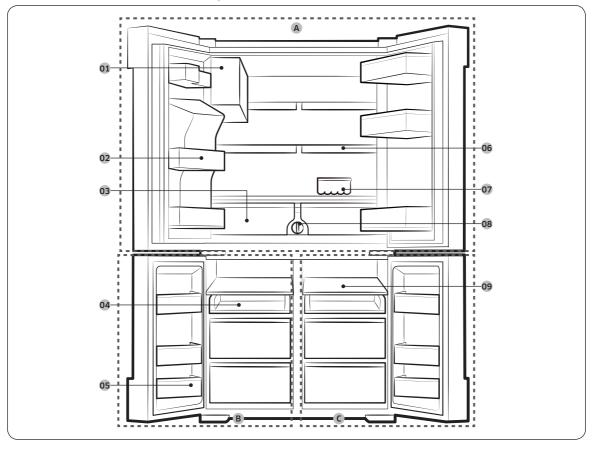
- Use the refrigerator only for its intended purpose as described in this manual.
- Any servicing must be performed by a qualified technician.
- Dispose of the product packaging material in compliance with the local regulations.
- To prevent electric shock, unplug the power cord before servicing or replacements.

Refrigerator at a glance



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

For more information, see the Layout section.









- **01** Auto Ice Maker (ICE MASTER)
- **02** Fridge door bin
- **03** Fresh Vegetable & Fruit Drawers
- **04** Sliding shelf
- **05** Freezer door bin
- **06** Quick space shelf
- **07** Egg tray
- **08** Water filter
- 09 Freezer Shelf (ASSY SHELF FRE)
- * applicable models only

NOTE

- For best energy efficiency, make sure all shelves, drawers, and bins are placed in their original position.
- When closing the door, make sure the vertical hinged section is in the correct position to avoid scratching the other door.
- If the vertical hinged section is reversed, put it back into the correct position, and then close the door.
- Moisture may form at times on the vertical hinged section.
- If you close a door by force, the other door may open.
- When the door opens, the interlock switch automatically disables the auger motor of the ice maker for safety reasons.
- If the internal or external LED lamp is out of order, contact a local Samsung service center.



B. Freezer

C. Cool Select+ (FlexZone)



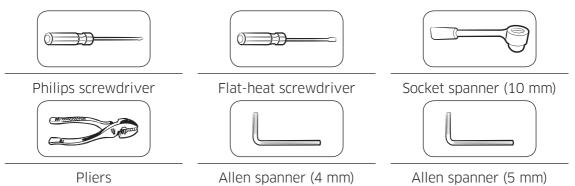




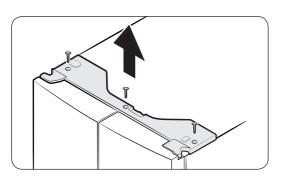
Door removal for entrance

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

Tools required (not provided)



Detach the fridge doors

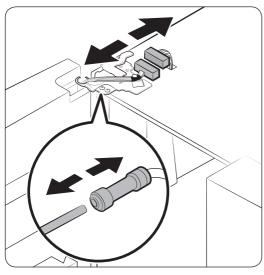


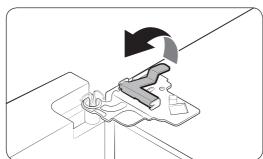
1. With the door closed, use a Philips screwdriver to remove the screws (x3) from the top cover. Pull up and remove the top cover with the connectors.

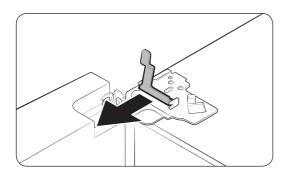












2. Disconnect the two connectors on the left door. The position of the connectors differs with the model.

! CAUTION

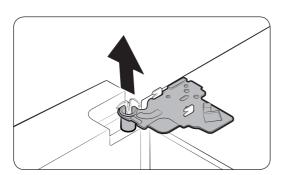
- Do not remove both doors simultaneously. Make sure to remove one door at a time. Otherwise, any of the doors may fall and cause physical injury.
- Make sure the refrigerator powers off before disconnecting the connectors.
- **3.** Disconnect the water tube from the coupler on the left door as shown.
- **4.** Gently draw up the clamp in several steps. To prevent finger injuries, do not apply a sudden force to the clamp.

5. Pull up the clamp to remove.

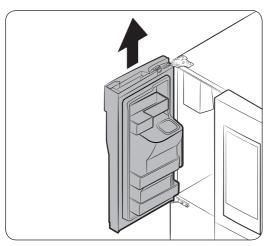








6. Open the door by 90 degrees. While holding the door, remove the top hinge.

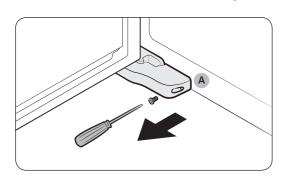


- **7.** Gently pull up the door vertically to remove. Do not apply excessive force to the door. The door may fall, causing physical injury.
- 8. Lay the door down on a flat surface.
- **9.** Repeat the above steps for the other door.

Detach the freezer doors

! CAUTION

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

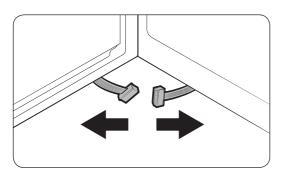


 With the freezer door open, use a Philips screwdriver to remove the screw holding the cover (A) of the adjustable leg.

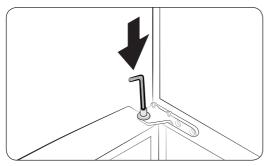




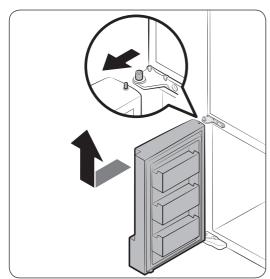




2. Then, disconnect the connectors.



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



- **4.** To prevent contact with the middle hinge, slightly tilt the door to the front, and then lift it up to remove.
- **5.** Repeat the above steps for the other door.



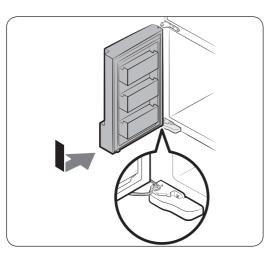




Reattach the freezer doors

! CAUTION

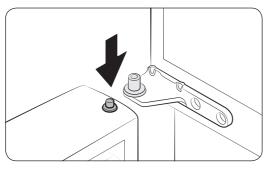
- Before reattaching the doors, make sure all the electrical connectors are properly connected.
- The freezer door must be reattached before the fridge door.
- Be careful not to damage or step on the wires during this process.



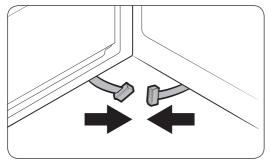
1. Insert the freezer door into the bottom hinge while pushing the freezer door in the arrow direction.

! CAUTION

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



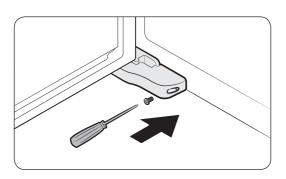
2. While pressing down the hinge shaft of the door, reinsert the door into the middle hinge.



3. With the door open, connect the bottom connectors in the arrow directions.

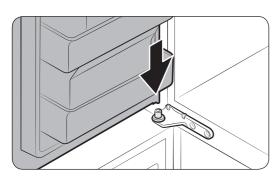




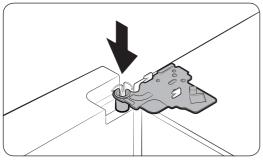


- **4.** Attach the levelling foot cover using a Philips screwdriver. Use caution not to damage or step on the connectors.
- **5.** Repeat the above steps for the other door.

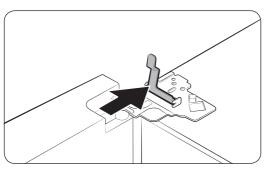
Reattach the fridge doors



1. While holding the door open by more than 90 degrees, reinsert it into the middle hinge.



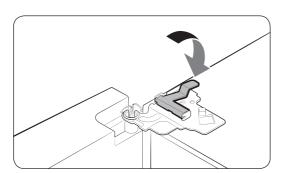
2. Put the top hinge into its position, and then insert into the top hole of the door.



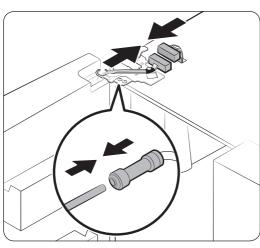
3. Insert the clamp in the arrow direction.

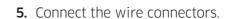






4. Draw back the clamp as shown.



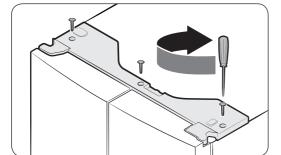


A CAUTION

- Make sure the wire connectors are connected properly. Otherwise, the display does not operate.
- 6. Connect the water tube.

A CAUTION

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



- **7.** Repeat the above steps for the other door.
- **8.** Attach the top cover with the front side first, and then press down on its back to fit into position. Then, tighten the screws (x3).







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



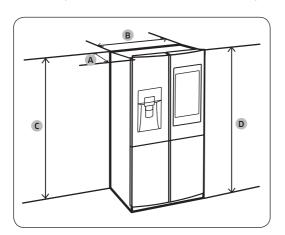


English 25



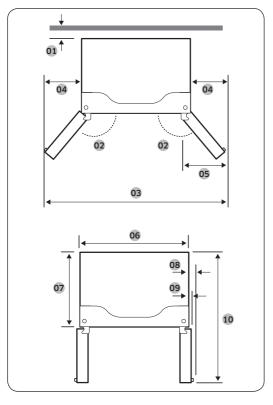
Clearance

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



Depth "A"	733
Width "B"	908
Height "C"	1797
Overall Height "D"	1825

(unit: mm)



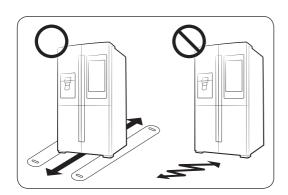
- **01** 50 mm
- **02** 125°
- **03** 1515 mm
- **04** 303 mm
- **05** 305 mm
- **06** 908 mm
- **07** 610 mm
- **08** 70 mm
- **09** 43 mm
- **10** 1083 mm

NOTE

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



STEP 2 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.



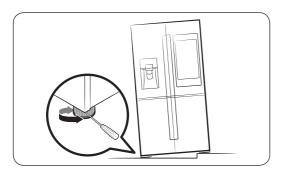
If the refrigerator cannot pass through the entrance due to its size, see the Door removal for entrance section in the Maintenance chapter.

STEP 3 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.



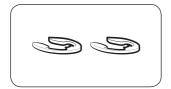
- To adjust the height of the left side: Insert a flat-head screwdriver into the leveller of the left side front leg. Turn the leveller clockwise to raise, or turn it counter clockwise to lower.
- To adjust the height of the right side:
 Insert a flat-head screwdriver into the leveller of the right side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







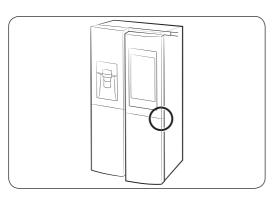
STEP 4 Adjust the door height as well as the door gap



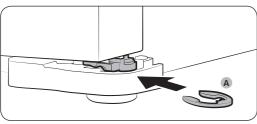
Snap ring

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

To adjust the height of a door



1. Check the height difference between the doors, and then raise and hold the lower door



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

! CAUTION

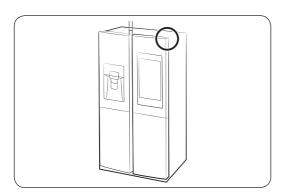
- Insert only one snap ring for this purpose. Two or more snap rings may slip out or make a rubbing noise.
- Keep the snap rings out of children's reach, and keep them for future use.
- Do not raise the door too much. The door can contact and damage the top cover.



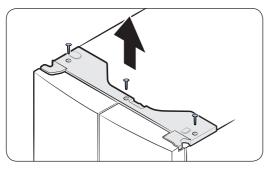




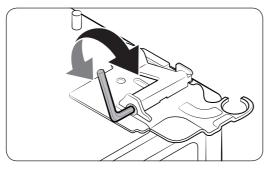
To correct the door gap



Door gaps can be corrected using the gap bolt on the top right corner of the refrigerator.



1. With the door closed, use a **Philips** screwdriver to remove 3 screws on the top cover with the wire connectors.



- **2.** Use a 4 mm Allen spanner (not provided) to correct the door gap between two doors.
 - To widen the gap, turn the gap bolt clockwise.
 - To narrow the gap, turn the gap bolt counter clockwise.
- **3.** When complete, reinsert the top cover.

! CAUTION

The electrical connectors must be intact during this process. Use caution not to tangle the connector wires or peel off the coating.







STEP 5 Connect to a water source

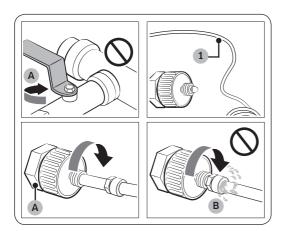
A CAUTION

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

To connect the cold water pipe to the water filtering hose

! CAUTION

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



- A. Close Main Water pipe
- B. No gap

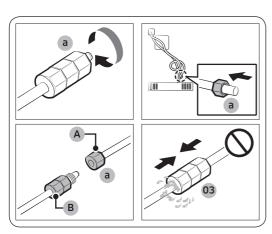
- **1.** Shut off the water supply by closing the main water valve.
- **2.** Locate the cold, potable water pipe (1).
- **3.** Follow the Water Line Installation to connect to the water pipe.
- **4.** When connection is complete, open the main water valve and dispense about 3 liters of water. This is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







To connect the water filtering hose to the water line



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

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

To repair the water line

! CAUTION

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

STEP 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.







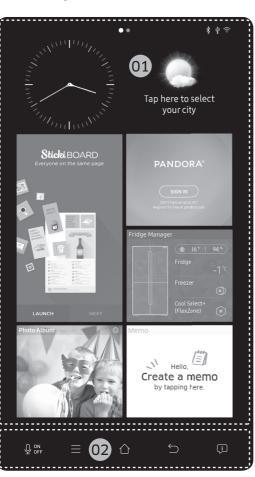


Operations

User interface

(E) NOTE

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



01 Home screen

02 Task bar







01 Home screen



01 Apps & Widgets	 Tap a desired app or widget to launch it. Tap and hold an app or widget to enter Edit mode. A grid appears. In Edit mode, you can drag and drop an app or widget to a new position on the grid. When you move the app or widget to a new grid location, the location turns blue if it is available. If it is not available, it turns red.
02 Status bar	• Bluetooth (★): Indicates Bluetooth connection status. • USB (♠): Indicates USB connection status. ♠ NOTE The refrigerator supports USB memory that is formatted in FAT32 or exFAT file system. NTFS is not supported. Be sure to convert NTFS to FAT32 or exFAT before use. • Network (♠): Indicates network connection status in 5 levels (Off, 1-4).

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English 33



Operations

02 Task bar



01 Microphone	Tap to turn on or off the voice recognition function. The microphone icon turns red when it is turned off.
02 Menu	Tap to display the menus available.
03 Home	 Tap to open the Home screen. Tap and hold to open the Task Manager. See the Task Manager section for details.
04 Return	Tap to return to the previous screen.
05 Notification	Tap to display the Quick Panel.

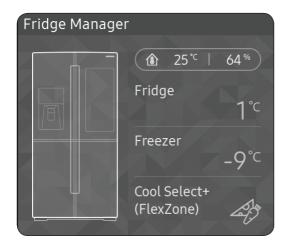






Fridge Manager

To access Fridge Manager, tap the **Fridge Manager** widget on the Home screen.



- On the Fridge Manager widget, the current fridge and freezer temperatures as well as active special functions are displayed for quick reference.
- For detailed settings, tap the widget to open the Fridge Manager.







Operations



Fridge Manager At a Glance

01 Temperature

Set or change the temperatures for the fridge, freezer, and Cool Select+ with Power mode (Power Cool or 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 freeze large amounts of food, activate Power Freeze for at least 20 hours before putting food in the freezer.

(E) NOTE

Using Power Freeze increases power consumption. Make sure you turn it off to return to the previous temperature if you do not intend to use it.

- **02** Special Features Special functions available on this refrigerator are listed with a brief description.
- 03 Fridge Settings See the next page for details.
- **04** External Conditions Displays the external (ambient) temperature and humidity.

(E) NOTE

The displayed conditions may differ from the actual temperature and humidity.







Ice Making	Turn the ice maker on or off. Note that if the ice bucket is full of ice, the refrigerator does not start making ice at the press of this button (turning the Ice Maker on), but displays the Ice Making Off indicator on the main screen.	
Dispenser Lock	Turn the Dispenser Lock on or off.	
Door Alarm	With the Door Alarm enabled, the door being open displays an alert with a beep. With the Door Alarm disabled, the door being open displays just an alert.	
Temp. Unit	Switch the scale unit between Celsius and Fahrenheit.	
Water Filter	You will be guided to replace the filter. After installing the water filter for the first time, tap Water Filter, and then tap RESET. Tapping RESET initializes the time remaining until the water filter needs to be replaced.	
Self Check	Run the self-diagnosis.	







Settings

Display	You can adjust the screen brightness, screen automatic wake-up, and screen saver including the theme and duration.		
Volume	Adjust the volume, and turn on or off the key tone and keyboard feedback.		
Voice Control	 Proximity sensor wake-up: The proximity sensor becomes active when a user comes close to the door. Voice feedback: This function reads out recognized text and performs voice commands. 		
Wi-Fi	 Turn on or off a Wi-Fi connection. The current Wi-Fi network is listed first in the access point (AP) list. To add an AP, press Menu on the task bar, and then add the AP with Wi-Fi turned on. 		
Bluetooth	 Up to 4 recently paired Bluetooth devices are listed. To add a new device, first unpair a paired device from the device list. Available devices are Bluetooth-enabled headsets, headphones, and speakers. 		
Date and Time	 Make sure the Automatic Time Update function is on with a proper Wi-Fi network connection. Open the fridge door and locate the display reset button on the inner side of the door. Press the button and press again to reset the display. Then, the date and time will be synced from the time server. You can change the time zone through the Time Zone menu. 		
Language	Select a preferred language. Available languages depend on the sales region.		
Learn more about Family Hub	Tap Learn more about Family Hub to open the demo mode app. This app will walk you through a wide variety of Family Hub menus and functionality by separating them into 3 categories: Family Communication, Food Management, and Entertainment.		
Online Manual	The online manual will walk you through various menus and apps that the refrigerator provides directly on the display.		
About Device	 Make sure the Software Update function is on with a proper Wi-Fi network connection. When updates are available, the UPDATE button becomes active. When updates are complete, the refrigerator restarts automatically. Legal information displays the Open Source License Agreement. Tap the list item to open the Open Source Announcement. 		



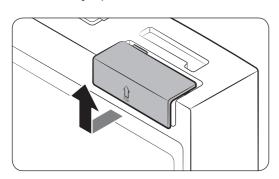




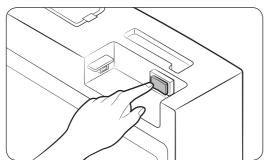
Easy Connection	• Easy Connection can be used with Samsung Smartphone apps, and allows you to connect your device to the same home Wi-Fi network that your smartphone is connected to.
Device Authentication	 Device Authentication can be used with Samsung Smart TV apps where the privacy information on the refrigerator can be shared to the TV. Availability of this function depends on the device model.
Factory Data Reset	Tap Reset to restart the refrigerator in Factory Data Reset mode. All user data will be removed permanently. Data to be removed includes account information, memos, photos, and user settings. CAUTION Once factory reset is complete, no user data can be recovered.

Display reset (applicable models only)

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



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



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







Samsung Smart Home

Installation

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

NOTE

- The Samsung Smart Home app is designed for Android 4.0 (ICS) or higher, or iOS 7.0 or higher, and is optimized for Samsung smartphones (Galaxy S and Galaxy Note series).
- For improved performance, the Samsung Smart Home app is subject to change without notice, or discontinued support according to the manufacturer's policy.
- 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

- **1.** Run the Samsung Smart Home app and log in with your Samsung account. iPhone users are required to provide the login information each time they access the app.
- **2.** Select **Device** > the **+** icon, and then tap **Refrigerator**.
- **3.** Follow the onscreen instructions to provide the necessary information about the router, and then tap **Next**.
- **4.** On the display of the refrigerator, access **Settings**, and then select **Easy Connection**.
- **5.** When device registration is complete, the refrigerator icon will appear on the Samsung Smart Home app.
- **6.** Tap the refrigerator icon to open the refrigerator page.

Refrigerator app

Integrated control

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

- Tap the **refrigerator** icon in the Samsung Smart Home 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.





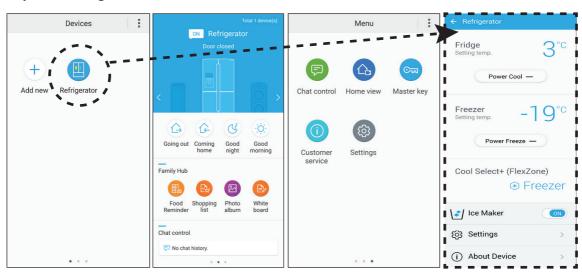
Key features

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

Menu overview



For improved performance and design, the content of the Samsung Smart Home App is subject to change without notice.



- Tap **Refrigerator** to open the settings page of the refrigerator.
- Swipe to move to the next page.







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.	
Food Reminder	Food Reminder displays the inner view of the refrigerator by taking a picture of it or receiving the food list created by the user.	
Shopping List	Shopping List displays a shopping list created by the user.	
Photo Album	You can send photos in the refrigerator's Photo Album to your smartphone, or vice versa.	
White Board	Create a new white board memo using the refrigerator's White Board and send to your smartphone, or vice versa.	

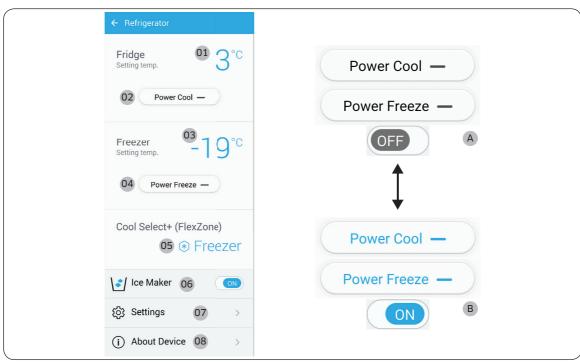


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Refrigerator settings



A : Disabled (black)
B : Enabled (blue)

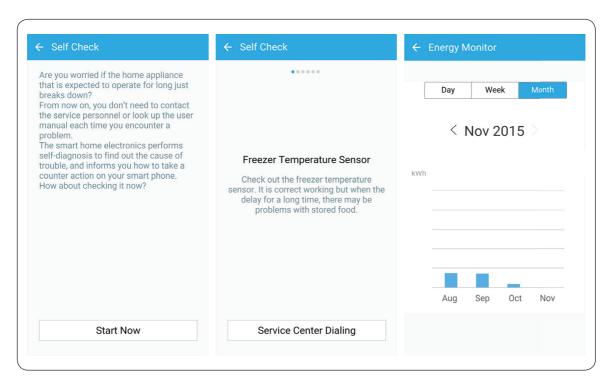
Fridge	01 Displays the currently set fridge temperature.02 You can turn on or off Power Cool, and check the current settings.	
Freezer	03 Displays the currently set freezer temperature.04 You can turn on or off Power Freeze, and check the current settings.	
Cool Select+ (FlexZone)	05 Displays the current mode setting.	
Ice Maker	06 You can turn on or off Ice Maker, and check the current settings as well as the ice making status.	











Settings	07 On the Settings screen, you can monitor the energy usage status of your refrigerator in a preferred format. Supported formats are daily, weekly, or monthly cumulative energy consumption reports covering a max of the last 180 days.	
About Device	O8 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 the refrigerator detects an issue to check, it displays detailed information about the issue that can be used for customer service.	







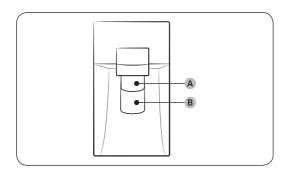


Special features

The refrigerator has features convenient for you.

Water dispenser

With the water dispenser, you can dispense water without opening the fridge door.



The water dispenser offers 3 options: chilled water, cubed ice, and crushed ice. If you do not want to dispense ice, simply press water lever (B).

With the Ice Maker enabled.

- **1.** Press to select an ice type.
- **2.** Put a water glass on the ice lever (A) and push it. Ice is dispensed from the dispenser.
- Then, put the glass on the water lever(B) and push it. Water is dispensed from the dispenser.

♠ NOTE

- To get ice and water, push the ice lever (A) first for ice, then move your glass down and press the water lever (B) for water.
- If you push both levers at once, only the first pushed lever operates.
- To prevent spills, wait 1 second before removing the glass after dispensing.
- 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

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

Ice making

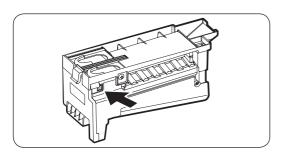
To ensure proper ice making and keep the ice bucket available with ice after using the refrigerator for the first time, follow these instructions:

- 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.
- The ice cubes generated rapidly may look white, which is normal.

Diagnosis



If ice does not dispense, first check the ice maker.

To check the ice maker

- 1. Press Test on the side of the ice maker. You will hear a chime (ding-dong) at the press of the button.
- **2.** You will hear another chime if the ice maker operates properly.

! CAUTION

- If the ice making chime rings repeatedly, contact the waterline installer or a local Samsung service center.
- Do not press the button repeatedly after the ice tray is filled with ice or water. Water may overflow or ice may jam.
- Do not put food in the ice bucket. The frozen food may damage the ice maker, especially when opening or closing the door.
- When the refrigerator recovers power supply after a power failure, the ice bucket may contain a mix of melted and jammed ice cubes, resulting in a system failure. To prevent this, make sure to empty the ice bucket before using the refrigerator.
- Do not put fingers or other objects into the dispenser hole or the ice maker. This may cause physical injury or property damage.









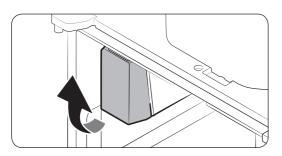
• When reinserting the ice maker tray, make sure that the tray is properly centered at the entrance. Otherwise, the tray may be stuck.

Ice Maker Off

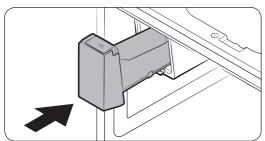
To disable the icemaker, tap **Fridge Manager** > **Fridge Settings** > **Ice Making** on the Home screen, and then select **Off**. Make sure to empty the ice bucket.

Remaining ice cubes may clump together, making it difficult to remove them.

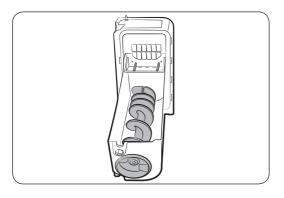
To remove the ice bucket



- **1.** Hold the bottom of the ice bucket with one hand and hold the side with the other hand.
- 2. Gently lift up and pull out.



3. Remove the remaining ice cubes and put the ice bucket back into place.



If the ice bucket is not firmly inserted, turn the ice screw by 90 degrees and try again.

NOTE

• Removal of the ice bucket does not affect the thermal and mechanical performance of the refrigerator.

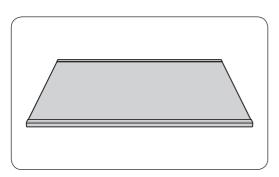




Water clouding

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

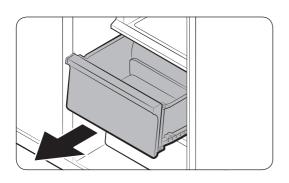
Freezer shelf (ASSY SHELF FRE)



To secure more room in the **freezer** or the **CoolSelect+** (FlexZone) compartment. remove the middle drawer of the freezer or the CoolSelect+ (FlexZone) compartment, and then insert the **freezer** shelf between the middle and bottom drawers.

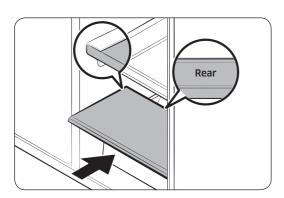
- The freezer shelf does not affect the thermal or mechanical performance of the refrigerator.
- Remove the protective film on the freezer shelf before use.



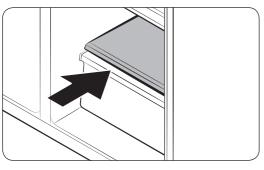








2. Insert the freezer shelf in the position of the middle drawer. Make sure the REAR mark faces upward, which is located at the rear of the shelf.





A CAUTION

- The freezer shelf (ASSY SHELF FRE)
 is specifically designed to replace the
 middle drawer for additional storage
 room. Do not put the freezer shelf over
 on the Sliding Shelf.
- Make sure to insert the freezer shelf in the correct direction. Otherwise, it may be damaged.
- Keep the removed middle drawer in a safe place for future use.





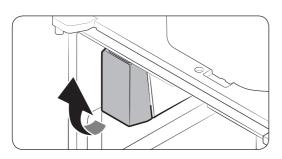


Maintenance

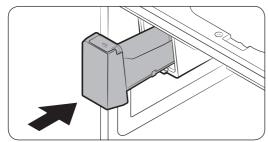
Handle and care

Ice bucket

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



- 1. To remove the ice bucket, gently lift it up and pull out slowly while holding the bottom of the bucket with one hand and the side with the other hand.
- **2.** Lift up and pull the bucket out. Empty the bucket.



3. When done, put the bucket back into position. If the bucket does not fit in, turn the helix screw by 90 degrees and try again.

A CAUTION

- Do not apply excessive force to the bucket cover. The cover may break.
- Do not forcefully close the door. Water may spill over the ice maker.
- To prevent injury, make sure to clean up any ice or water that has fallen on the floor.
- To prevent accidents or injury, do not let children play with the water dispenser or the ice maker.
- Do not put your hand or an object into the ice chute. This may cause physical injury or product damage.
- Use only the provided ice bucket. Third-party ice buckets may cause a system failure.
- Use only potable water that is connected to the water supply line.

♠ NOTE

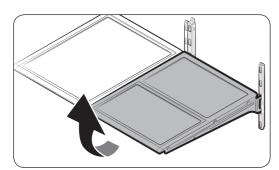
- The required water pressure for ice making is between 20 psi and 125 psi.
- Any sound from the ice maker is normal, which outputs during the ice making process.
- While the door is open, neither the ice maker nor the water dispenser operates.



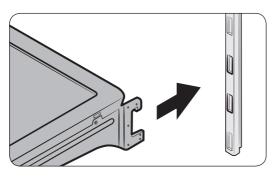


Maintenance

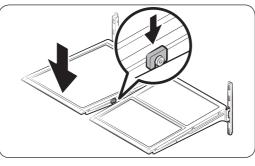
Tempered glass shelves (fridge)



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



• To reinsert, lower the rear side of the shelf and insert into the shelf hooks. Then, lower the front side to slide in to the end.



A CAUTION

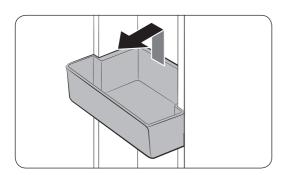
- The tempered glass shelves are heavy. Use caution when removing them.
- The shelf must be inserted correctly. Do not insert upside down.
- Glass containers may scratch the surface of glass shelves.





Door bins

The top door bin section has a marked line to ensure easy removal and proper reinsertion.

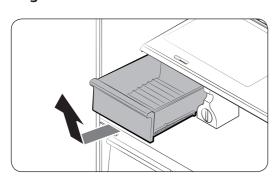


Lift up the door bin, and then pull out straight.

A CAUTION

Do not allow children to play with the bins. Sharp-edged corners may cause injury.

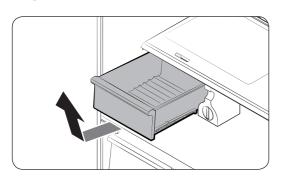
Vegetable & fruit drawers



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

It is recommended to remove the door bins before removing the drawer. This is to prevent damage to the door bins.

Vegetable shelf



1. Slide out the left-sided vegetable drawer.



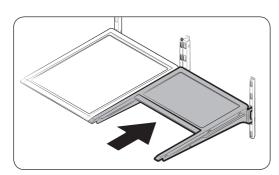
The actual image and provided component parts of the refrigerator may differ, depending on the model and the country.



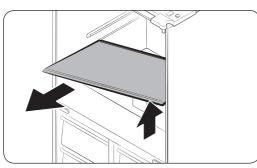




Maintenance



2. Slide in the right-sided foldable shelf.



3. While supporting the vegetable shelf with one hand, slide out with the other hand.



Using the space that is revealed after removing the foldable shelf, take out the vegetable shelf.

To reinsert, follow the steps above in the reverse order.

Ice bucket

To remove the ice bucket, see the Maintenance section on page 51.







Cleaning

Interior and exterior

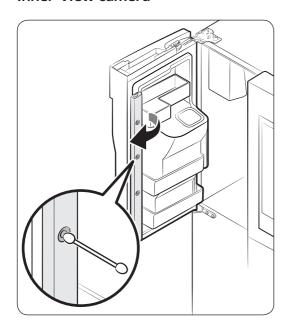
WARNING

- 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.

Inner-view camera





Use a cotton swab or microfiber cloth to clean the camera on the left-side door of the fridge.





Maintenance

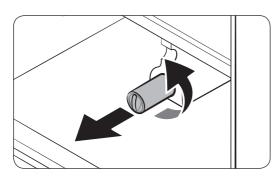
Replacement

Water filter

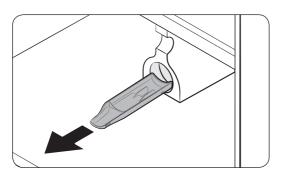
MARNING

- Do not use third-party water filters. Use only Samsung-provided or -approved filters.
- Unapproved filters may leak and damage the refrigerator, causing electric shock.
 Samsung holds no responsibility for any damage that may occur from use of third-party water filters.

The filter indicator (♥) turns red as a reminder that lets you know it is time to replace the water filter. Before replacing the filter, make sure the water supply line is shut off.



- **1.** Turn the knob of the filter cartridge counter clockwise by 90 degrees (1/4 turn). The filter cartridge unlocks.
- 2. Pull out to remove the cartridge.
 - If the water filter is contaminated severely, the cartridge may not be easily removable. In that case, pull out by force.
 - To prevent water leaks from the opening, keep the cartridge in line while removing it.

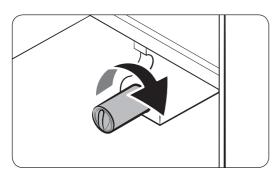


■ NOTE

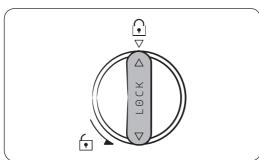
To prevent overflow, empty and dry the water filter tray.







3. Insert a new filter cartridge. Use only Samsung-provided or -approved filters.



- **4.** Turn the cartridge knob clockwise to lock into place.
- 5. On the Home screen, tap Fridge Manager > Fridge Settings > Water Filter, and then select RESET. The filter indicator turns off.
- **6.** When replacing is complete, open the water valve and run water through the dispenser for about 7 minutes. This is to remove impurities and air from the water line.

■ NOTE

- A newly installed filter may cause the water dispenser to spurt water briefly. This is because of air entering the waterline.
- This replacement process cause the refrigerator to drip water onto the floor. Simply wipe up with dry cloths.

Reverse osmosis water filtration system

The water pressure of the water supply system to a reverse osmosis water filtration system must be between 35 psi and 120 psi (241 kPa and 827 kPa).

The water pressure of the reverse osmosis water filtration system to the refrigerator's cold water line must be at least 40 psi (276 kPa). If the water pressure is below the specified:

- Check if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Refill the water tank in the reverse osmosis system with water.
- If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system. Remove the water filter.

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

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Maintenance

Ordering a new filter

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

LED Lamps

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

WARNING

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







Troubleshooting

If you encounter a problem with the refrigerator, first check the tables starting below, and then try the suggested actions.

General

Symptom	Action	
The refrigerator does not operate or cool.	 Make sure the power cord is connected properly. Make sure the temperature control is set correctly. Try setting to a lower temperature. Make sure the refrigerator is not being exposed to direct sunlight and is not near a heat source. Failing to do so may affect the cooling performance. Make sure the refrigerator is far enough away from rear walls, side walls, or cabinets to allow proper ventilation. Failing to do so may affect the cooling performance. Too much food can block the internal ventilation of the refrigerator. To keep the refrigerator operating normally, 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 to a higher temperature. This can happen if the ambient room temperature is too low. Set the room temperature higher. Check if food containing a high proportion of water has been put in the coldest area of the fridge or near the cooling vent. If so, move the food to other shelves in the fridge. 	
You hear unusual noises or sounds.	 Make sure the refrigerator is installed on a stable, flat surface. Make sure the refrigerator is far enough away from rear walls, side walls, and cabinets to allow proper ventilation. Make sure that there are no foreign objects (coins keys). 	







English 59



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. Make sure the door is closed properly. Condensation may form if you leave the door open for an extended period of time. 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.	 If you have used all the ice in the ice bucket, you must wait for 12 hours for the refrigerator to make more ice. Check if the Ice Off indicator is lit. If it is, activate the Ice Maker function so that the Ice Off indicator turns off. See Fridge Setting for details. Make sure the freezer is set below 32 °F (0 °C) (or 23 °F (-5 °C) in warm ambient air). Make sure the water line is properly connected and the shut-off valve is open. Check if the ice bucket contains ice clumps. If it does, empty the ice bucket and try again. 	
The water dispenser is not functioning.	 Make sure the water line is properly connected and the shut-off valve is open. Make sure the water supply line tubing is not damaged such as crushed or kinked. Make sure the water filter is installed properly. 	
You hear a bubbling sound.	This is normal. The bubbling sound comes from refrigerant circulating through the refrigerator.	
A bad smell comes from inside the refrigerator.	 Check for any spoiled food. We recommend cleaning the refrigerator on a regular basis and removing any spoiled or suspect food items. Make sure strong smelling food is wrapped tightly or stored in air tight containers. 	
Frost forms on the interior walls.	 Make sure the air vents are not blocked by food or any other objects so that the air can circulate freely. For efficient air circulation, it is recommended to arrange food items evenly Make sure the door is closed properly. 	









Samsung Smart Home

Symptom	Action	
Could not find "Samsung Smart Home" on the app market.	The Samsung Smart Home app is available on smartphones that run Android 4.0 (ICS) or higher, or iOS 7.0 or higher.	
The Samsung Smart Home app fails to operate.	 The Samsung Smart Home app is available on applicable models only. The old Samsung Smart Refrigerator app cannot connect with Samsung Smart Home models. 	
The Samsung Smart Home 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 Samsung Smart Home App after the app was installed, you must make 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 Samsung Smart Home app is successfully connected to my refrigerator but does not run.	 Exit and restart the Samsung Smart Home app, or disconnect and reconnect the router. Unplug the power cord of the refrigerator, and then plug it is again after 1 minute. 	







Troubleshooting

LCD

Symptom	Action	
Cannot connect to my TV.	 This refrigerator can connect only with Samsung Smart TV 6400 series or higher models released since 2015. Please check the model name of your TV first. Network connections may suffer temporarily. Turn your TV off, and then try again. 	
The inner view picture looks bulged.	 The edges of the inner view may look bulged, which is attributed to the convex lens. The inner view may be incomplete due to the blind spots on the left and right corners or screened depending on the layout of food items. Make sure to place food items in the front center. 	
The displayed measurement on the Fridge Manager is not correct.	 The displayed conditions may differ from the actual temperature and humidity. 	







Memo







SAMSUNG

Contact SAMSUNG WORLD WIDE

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

Country	Contact Center	Web Site
AUSTRALIA	1300 362 603	www.samsung.com/au/support
NEW ZEALAND	0800 726 786	www.samsung.com/nz/support







