

Refrigerator

Simple User manual

- Free standing Appliance
- For detailed instructions on installation and cleaning of the appliance and ecodesign information (according to (EU)2019/2023), visit the Samsung website (<http://www.samsung.com>), go to Support > Support home, and then enter the model name. Or, download and install the SmartThings app on your mobile device, and then open HomeCare Wizard in SmartThings for tips and guides.
- Open a QR code scanner app and scan the QR code image attached to the product. You can access 'Product registration', 'Manual', and 'Customer support' through SmartThings connection.
- Figures and illustrations are provided for reference only and may differ from the actual product appearance. Product design and specifications may change without notice.



Scan this with your phone.

Instructions about the WEEE



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

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

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

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

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

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

SAMSUNG

Safety information

- Congratulations on your new Samsung appliances. This manual contains important information on the installation, use, and care of your appliances. Read this manual thoroughly before using the appliances to ensure that you know how to safely and efficiently operate the features and functions that your new appliances offers.
- To check the product's model name, see the label enclosed with the product or attached to the product.

Important safety symbols

What the icons and signs in this user manual mean:

WARNING

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

CAUTION

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

NOTE

Supplementary information that may be useful

Read the instructions

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

Please follow them explicitly.

After reading this manual, store it in a safe place for future reference.

WARNING

Failure to follow the instructions may result in electric shock, injury, fire, breakdown or explosion.

Important safety precautions

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. **For use in Europe :** 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.
3. Children should be supervised to ensure that they do not play with the appliance.
4. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



WARNING; Risk of fire / flammable materials

5. This appliance contains a small amount of combustible refrigerant isobutane (R-600a). For installation, handling, servicing and disposal of the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
6. R-600a or R-134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your appliance. When this product contains flammable gas (Refrigerant R-600a), contact your local authority in regard to safe disposal of this product.
7. Do not damage the refrigerant circuit.

8. To avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the room size must be 1 m³ in size for every 8 g of R-600a refrigerant inside the appliance. And, unplug the appliance showing any signs of damage and please consult to your dealer if in doubt.
9. Cyclopentane is used in the insulation. The gases in the insulation material require a special disposal procedure. Please contact your local authorities for environmentally safe disposal.
10. The socket must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency.
11. When positioning the appliance, ensure the supply cord is not trapped or damaged.
12. Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
13. 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.
14. Keep ventilation openings, in the appliance enclosure or in the builtin structure, clear of obstruction.
15. Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.

16. Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
17. Do not keep volatile or flammable objects or substances in the refrigerator.
 - This refrigerator is for storing food only.
 - This may result in fire or explosion.
18. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
19. For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.
20. Connect to potable water supply only. (applicable models only)
21. Fill with potable water only. (applicable models only)
 - 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.
22. New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.
23. Please connect to the potable water supply only. Water pressure of 206-861 kPa(30-125 psi) is required for the correct operation.
24. If the product is equipped with LED lamps, please contact a local Samsung service center or it's agents to replace the lamps.

25. To avoid contamination of food, please respect the following instructions:

- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- Clean regularly surfaces that can come in contact with food and accessible drainage systems.
- Clean water tanks if they have not been used for 48 h; flush the water system connected to a water supply if water has not been drawn for 5 days.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- Two-star frozen-food compartments are suitable for storing prefrozen food, storing or making icecream and making ice cubes.
- One-, two- and three-star compartments are not suitable for the freezing of fresh food.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

26. The temperature of two star section (sections) or compartment (compartments) which have two star symbol (❄❄) is slightly higher than other freezer compartment (compartments).

Installation

- This appliance should only be transported by two or more people holding the appliance securely.
- Install the appliance on a firm and level floor.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Do not place the appliance in direct sunlight or expose it to the heat from heating appliances such as stoves or heaters.
- Be careful not to expose the rear of the appliance when installing.
- Install the appliance in a place where it is easy to unplug the power plug of the appliance.
- Be careful not to let the appliance door fall during assembly or disassembly.
- Be careful not to pinch, crush, or damage the power cable during assembly or disassembly of the appliance door.
- Be careful not to point the power plug up or let the appliance lean against the power plug.

- Do not connect a plug adapter or other accessories to the power plug.
- Do not modify or extend the power cable.
- Ensure that the outlet socket is properly grounded, and that the earth pin on the power cord is not damaged or removed from the power plug. For more details on grounding, inquire at the Samsung Electronics service center.
- This appliance is equipped with a power cord having an equipment-grounding conductor and a grounding power plug. The power plug must be plugged into an appropriate outlet socket that is installed and grounded in accordance with all local codes and ordinances.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- Do not plug the appliance into a multi socket adapter which does not have a power cable (mounted).
- The appliance should be connected to a dedicated power line which is separately fused.
- Do not use a multi socket outlet which is not properly grounded (portable). In case of using a properly-grounded multi socket outlet (portable), use the multi socket outlet with the current capacity of the power cord rating or higher and use the multi socket outlet only for the appliance.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.

Operation

CAUTION

To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precaution, including the following:

- Be careful of nearby children when you open or close the appliance door. The door may bump the child and cause injury.
- Avoid the danger of children getting trapped inside the appliance. A child trapped inside the appliance can cause suffocation. Do not touch frozen food or the metal parts in the freezer compartment with wet or damp hands. It may cause frostbite.
- Do not place glass containers, bottles or cans (especially those containing carbonated drinks) in the freezer compartment, shelves or ice bin that will be exposed to temperatures below freezing.
- The tempered glass on the front side of the appliance door or the shelves can be damaged by an impact. If it is broken. Do not touch it with hands.
- Do not hang from the appliance doors, storage room, shelf or climb up into it.
- Do not store an excessive amount of water bottles or containers for side dishes on the door baskets.
- Do not open or close the appliance door with excessive force.
- If the hinge of the appliance door is damaged or operates improperly, stop using the appliance and contact an authorized service centre.
- Prevent animals from nibbling on the power cable or water hose.
- Never eat frozen foods immediately after they have been taken out in the freezer compartment.
- Make sure not to get a hand or foot stuck upon opening or closing the appliance door or door in door.

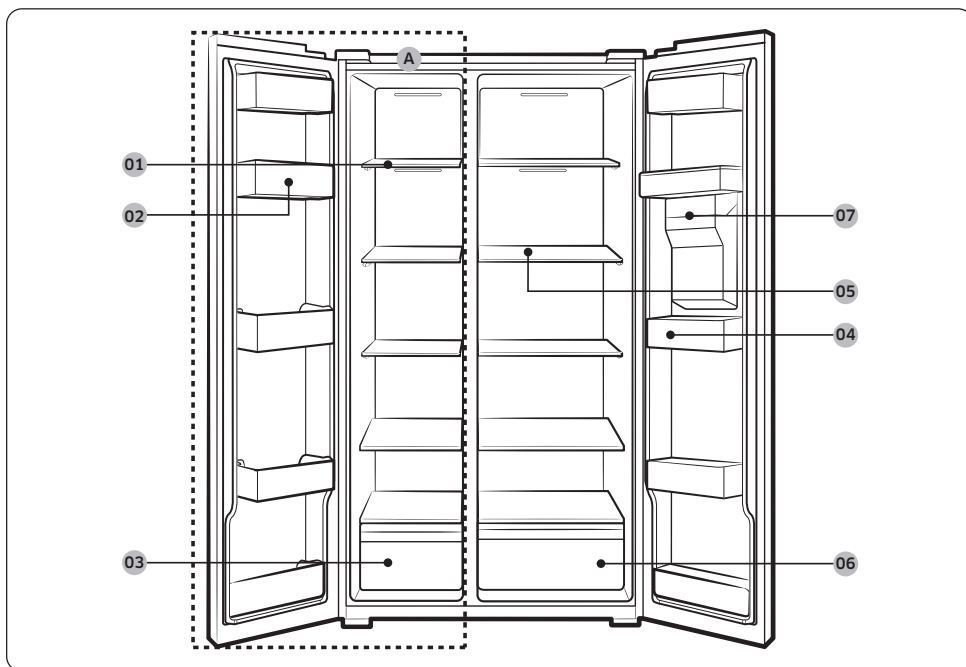
Maintenance

- Do not clean glass shelves or covers with warm water when they are cold. They may shatter if exposed to sudden temperature changes.
- Do not insert the shelves upside down. The shelves may fall.
- To remove frost from the appliance, contact the Samsung Electronics service center.
- Dispose of the ice inside the ice bin in the freezer compartment during an extended power outage.

Installation

Refrigerator at a glance

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



01 Freezer shelves

02 Multipurpose freezer bin

03 Dried food and meat storage drawer

04 Fridge bin

05 Fridge shelves

06 Vegetable drawer

07 Water tank *

A. Freezer

* Applicable models only

NOTE

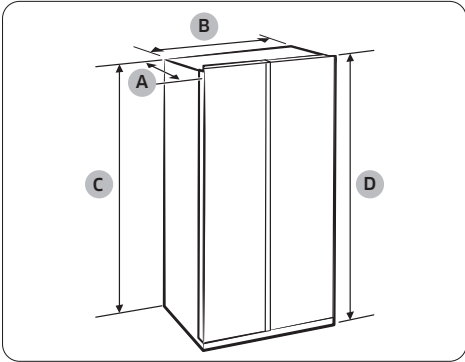
The design of the egg container may differ with the model.

CAUTION

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

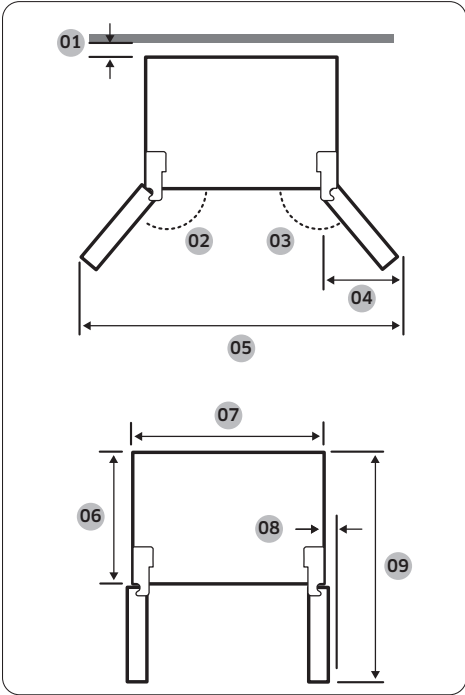
Clearance

See the following figures and tables for installation space requirements.



Depth "A"	654
Width "B"	912
Height "C"	1744
Overall Height "D"	1780

(unit: mm)



01	more than 50 mm recommended
02	165°
03	170°
04	564 mm
05	1730 mm
06	548 mm
07	912 mm
08	30 mm (without handle)
09	1103 mm

NOTE

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

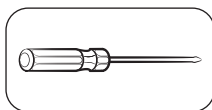
Step-by-step installation

STEP 1 Door removal for entrance

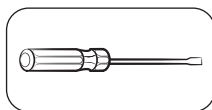
If the refrigerator cannot pass through the entrance due to its size, follow these instructions:

Tools required (not provided)

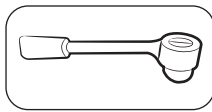
These tools are used for removing the doors.



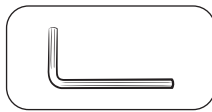
Phillips screwdriver



Flat-head screwdriver



Socket spanner
(10 mm)

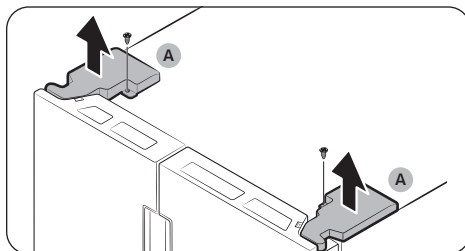


Allen spanner (5 mm)

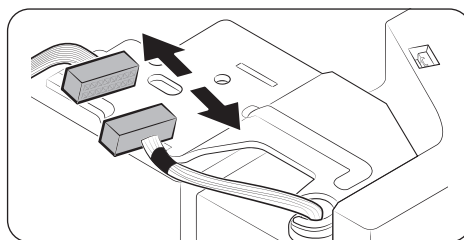
Detach the doors

⚠ CAUTION

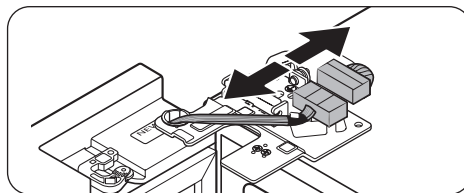
The door may fall off or over and damage itself during any of these steps. To prevent an accident, use extreme caution when performing these steps.



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



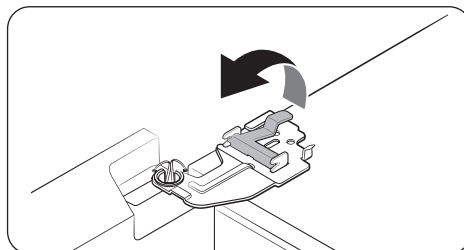
3. Disconnect the electrical harness.



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

⚠ CAUTION

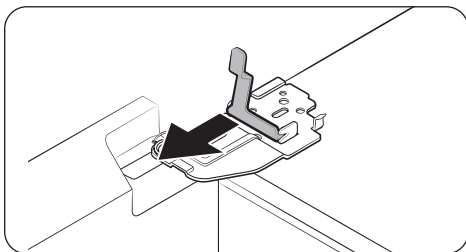
- Do not remove both doors simultaneously. Make sure to remove one door at a time. Otherwise, any of the doors may fall and cause physical injury.
- Make sure the refrigerator is off before disconnecting the connectors.



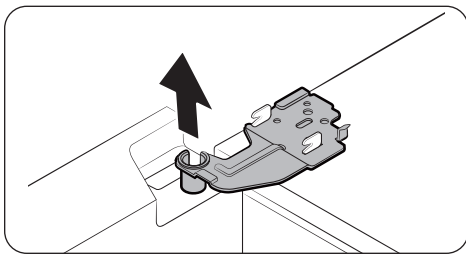
5. Gently lift the clamp.

📖 NOTE

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



6. Pull the clamp to remove.



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

⚠ CAUTION

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

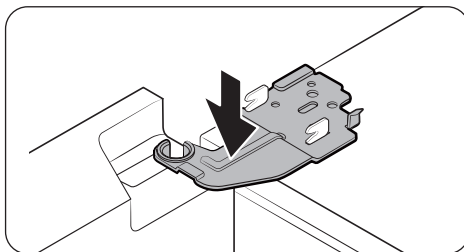
Reattach the doors

⚠ CAUTION

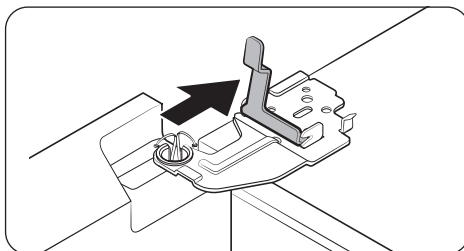
- Before reattaching the doors, make sure all the electrical connectors are properly connected.
- The freezer door must be reattached before the fridge door.
- Take care when removing the door to ensure that it does not fall on you.
- Be careful not to scratch.



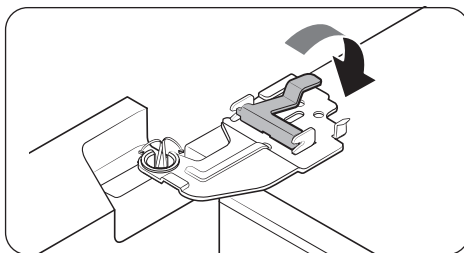
1. Hold the freezer door and hook to the hinge at the bottom of the refrigerator.



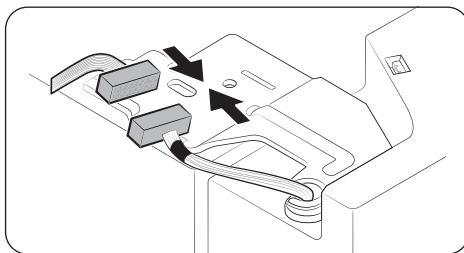
2. Put the hinge into its position, and then insert it into the hole on the door.



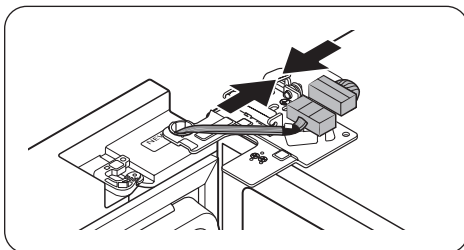
3. Insert the clamp in the arrow direction.



4. Press the clamp as shown.



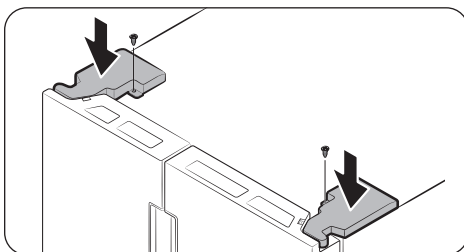
5. Connect the electrical harness.



6. Connect the wire connectors.

⚠ CAUTION

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



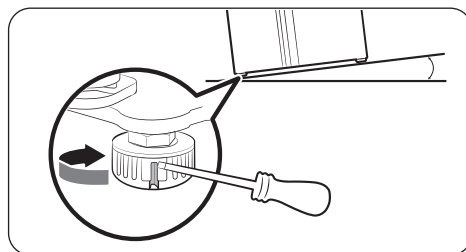
7. Insert the hinge covers with the front sides first, and then tighten the screws. Use a Phillips screwdriver for this step.

STEP 2 Adjust the levelling feet

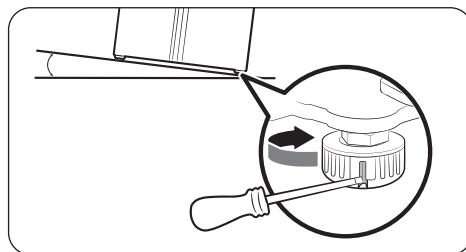
⚠ CAUTION

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

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

**To adjust the height of the freezer side:**

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

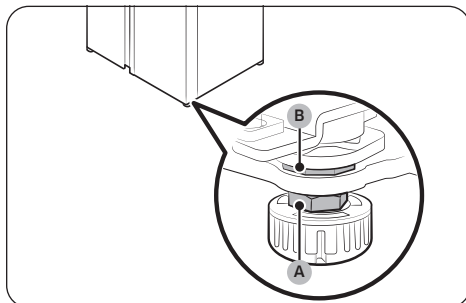
**To adjust the height of the fridge side:**

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

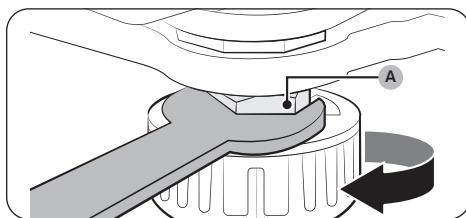
STEP 3 Adjust the door height as well as the door gap

To adjust the height of a door

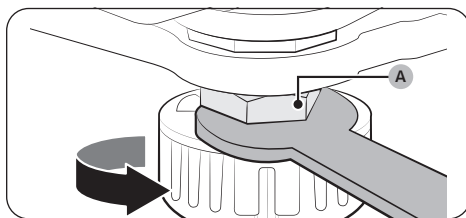
The height of a door can be adjusted using the clamp nut and the height nut on the front bottom of each door.



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

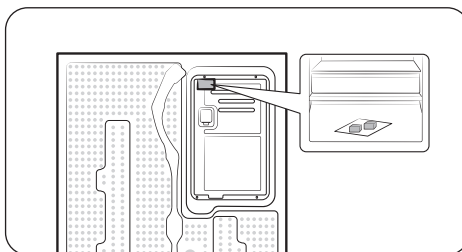


2. With a 19 mm spanner (provided), turn the **clamp nut (A)** clockwise to loosen. Then, open the door, and do the following inside the door.
 - To raise the door, turn the **height nut (B)** counter clockwise.
 - To lower the door, turn the **height nut (B)** clockwise.



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

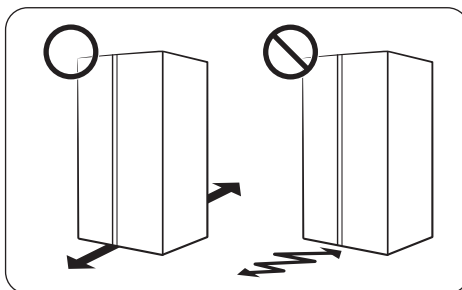
STEP 4 Spacing (applicable models only)



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

STEP 5 Flooring

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



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

NOTE

If the refrigerator cannot pass through the entrance due to its size, see the **STEP 1 Door removal for entrance** section in the Installation chapter.



Maintenance

Cleaning

Interior and exterior

WARNING

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

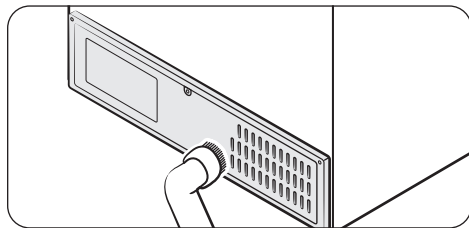
Regularly use a dry cloth to remove all foreign substances such as dust or water from the power plug terminals and contact points.

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

Rubber seals

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

Rear panel



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

CAUTION

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

LED Lamps

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

WARNING

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

Lamp (Light Source)

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

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

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

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



Appendix

Safety Instruction

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

Install Instruction

For refrigerating appliances with climate class

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

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

You can find climate class on label inside of your refrigerator

Effective temperature range

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

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

NOTE

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

Temperature Instruction

Recommended Temperature

The optimal temperature setting for food storage:

- Fridge: 3 °C
- Freezer: -19 °C

NOTE

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

Power Cool

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

Power Freeze

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

NOTE

When you use this function the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting.

How to store for best preservation (applicable models only)

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

Placement of Foods

Shelves	Shelves should be adjustable to accommodate a variety of packages.
Specialized compartment (applicable models only)	Sealed crisper drawers provide an optimal storage environment for fruits and vegetables. Vegetables require higher humidity conditions while fruits require lower humidity conditions. Crispers are equipped with controls devices to control the humidity level. (*Depending on model and options) An adjustable temperature meat drawer maximizes the storage time of meats and cheeses.
Stored on the door	Don't store perishable foods in the door. Eggs should be stored in the carton on a shelf. The temperature of the storage bins in the door fluctuate more than the temperature in the cabinet. Keep the door closed as much as possible.
Freezer Compartment	You can store frozen food, make ice cubes and freeze fresh food in the freezer compartment.

NOTE

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

Refrigerator & Freezer Storage Chart

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

Product		Refrigerator	Freezer
Milk products	Milk	1 week	1 month
	Butter	2 weeks	12 months
	Cream cheese	2 weeks	Not recommended
Meat	Fresh roasts, steaks, chops	3-4 days	2-3 months
	Sausage, Raw from pork, beef, turkey	1-2 days	1-2 months
Poultry / Eggs	Fresh poultry	2 days	6-8 months
	Eggs, Fresh in shell	2-4 weeks	Not recommended
Fish / Seafood	Fresh fish	1-2 days	3-6 months
	Dried or pickled fish	3-4 weeks	-
Fruits	Apples	1 month	-
	Other fresh fruit	3-5 days	9-12 months
Vegetables	Asparagus	2-3 days	-
	Broccoli, Brussels sprouts, green peas, mushrooms	3-5 days	-
	Cabbage, cauliflower, celery, cucumbers, lettuce	1 week	-
	Carrots, beets, radishes	2 weeks	-

Information for model and ordering spare parts

Model information

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

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

Part information

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

Memo

Memo

NOTE (For Wi-Fi models only)

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

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

	Frequency range	Transmitter power (Max)
Wi-Fi	2412 - 2472 MHz	20 dBm
Bluetooth	2402 - 2480 MHz	20 dBm

Contact SAMSUNG WORLD WIDE

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

Country	Contact Center	Web Site
UK	0333 000 0333	www.samsung.com/uk/support
IRELAND (EIRE)	0818 717100	www.samsung.com/ie/support



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