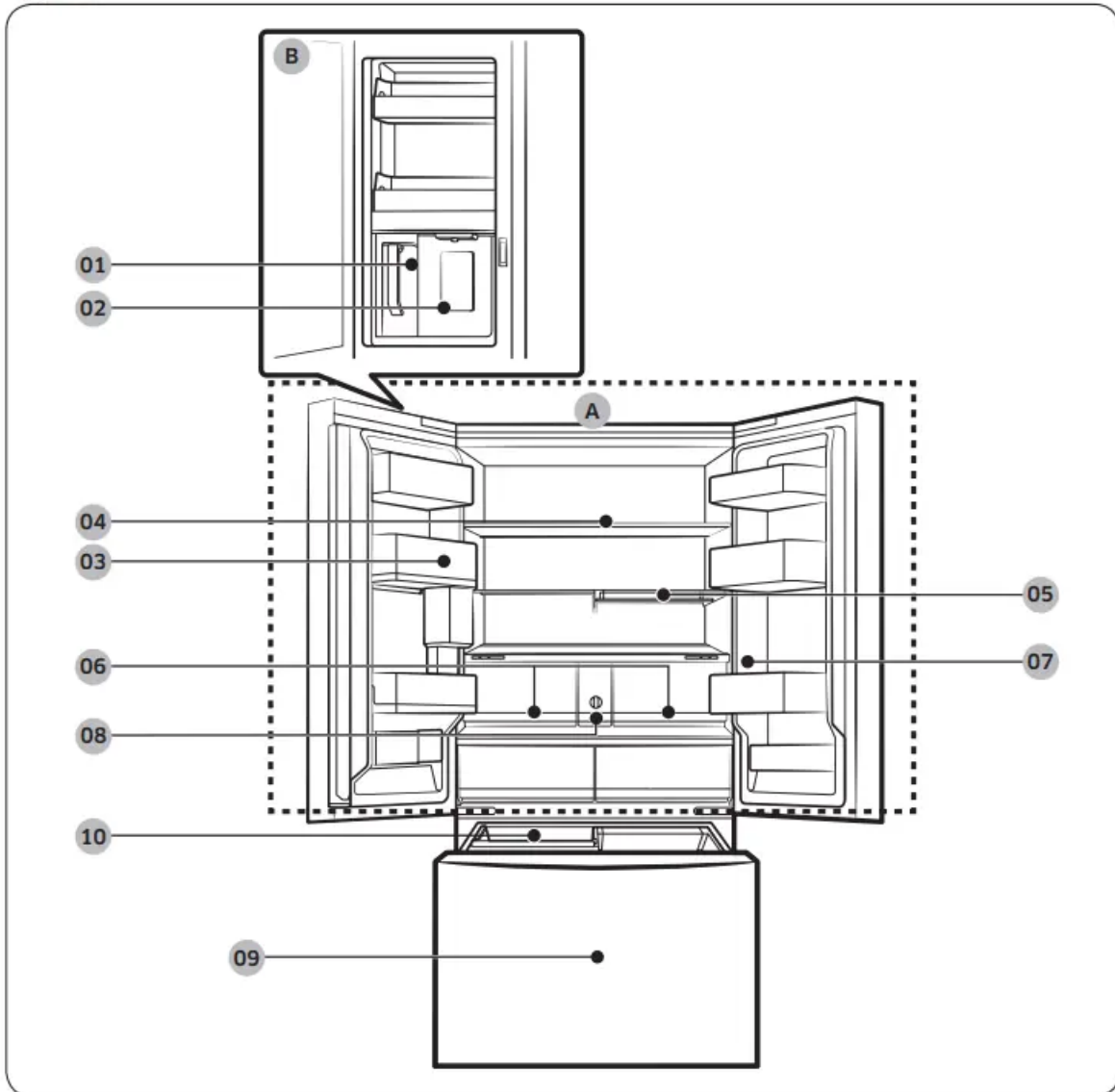


Installation

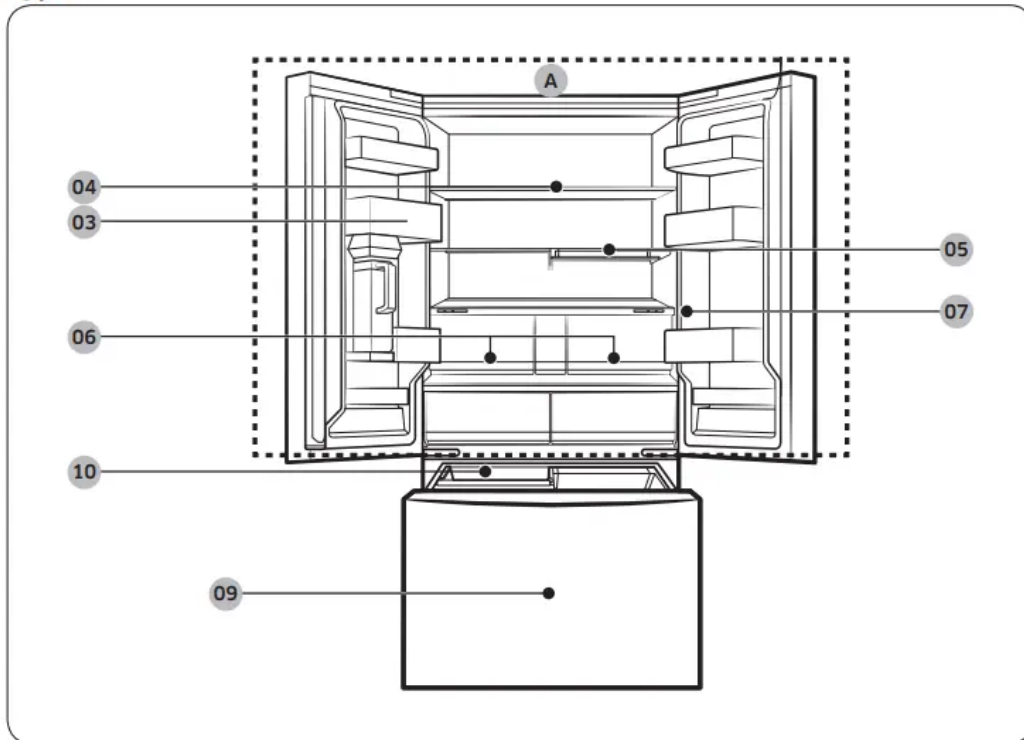
Refrigerator at a glance

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

Type A



Type B



<p>01. AutoFill pitcher *</p> <p>02. Water dispenser **</p> <p>03. Fridge door bin</p> <p>04. Fridge shelf</p> <p>05. Quick Space shelf *</p> <p>06. Crisper+ / Fridge Drawers</p> <p>07. Control panel</p> <p>08. Water filter *</p> <p>09. Freezer</p> <p>10. Ice maker</p>	<p>A. Fridge</p> <p>B. Beverage Center **</p> <p>* Applicable models only</p> <p>** Dispenser models only</p>
---	---

NOTE

- For energy efficiency, keep all shelves, drawers, and baskets in their original positions.
- When closing the door, make sure the vertical hinged section is in the correct position to avoid scratching the other door.
- If the vertical hinged section is reversed, put it back into the correct position, and then close the door.
- Moisture may form at times on the vertical hinged section.
- If you close a door forcefully, the other door may open.

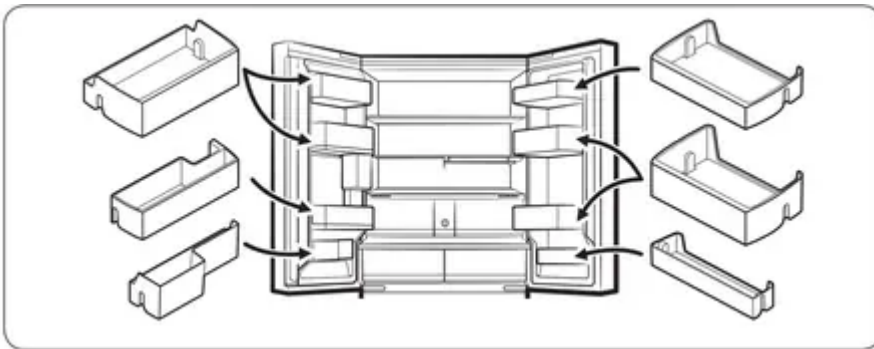
- If the internal or external LED lamp is not working, contact a local Samsung service center.

Door bins

Your refrigerator ships with door bins of different types and sizes. If the door bins for your refrigerator were packaged separately, use the figure below to help you position the bins properly.

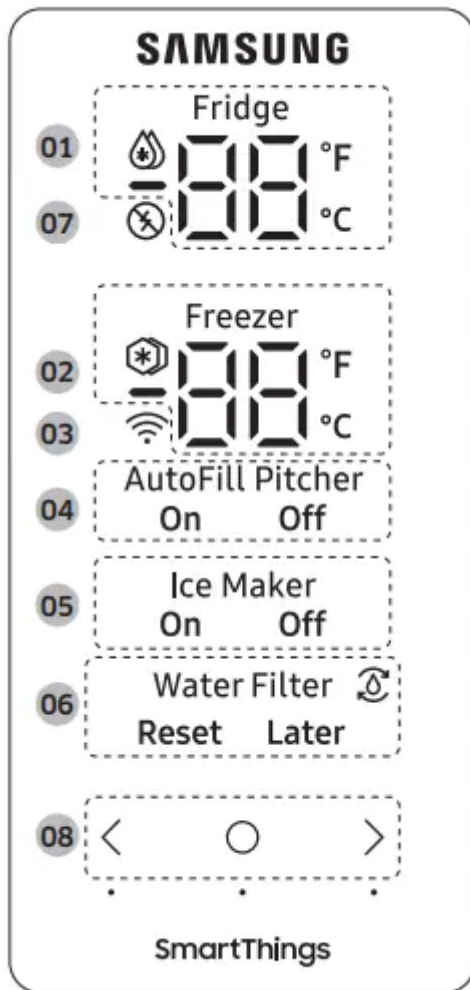
NOTE



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






Operations

Control panel



01 Fridge indicator	<ul style="list-style-type: none"> • Displays the current or desired temperature of the fridge. •  indicates that the Power Cool function is on.
02 Freezer indicator	<ul style="list-style-type: none"> • Displays the current or desired temperature of the freezer. •  indicates that the Power Freeze function is on.
03 Network connection indicator	<ul style="list-style-type: none"> • This icon indicates that the refrigerator is connected to a network. If the Wi-Fi icon flashes, we recommend connecting your refrigerator with the SmartThings app. You can control and monitor your refrigerator on the SmartThings app. For more information, see the SmartThings section.
04 AutoFill Pitcher indicator	<p>The AutoFill Pitcher has 2 indicators (AutoFill Pitcher On / Off) to indicate its operating status.</p> <ul style="list-style-type: none"> • When the AutoFill operates, the corresponding indicator (AutoFill Pitcher On) turns on. • When the AutoFill is turned off, the corresponding indicator (AutoFill Pitcher Off) turns on. • To enable AutoFill Pitcher, you must turn on the AutoFill Pitcher.
05 Ice Maker indicator	<p>The ice maker has 2 indicators (Ice Maker On / Off) to indicate its operating status.</p> <ul style="list-style-type: none"> • When the ice maker operates, the corresponding indicator (Ice Maker On) turns on. • When the ice maker is turned off, the corresponding indicator (Ice Maker Off) turns on. • To enable ice making, you must turn the ice maker on.


<p>06 Water Filter indicator</p>	<ul style="list-style-type: none"> •  indicates that the water filter needs to be replaced. • When you see the  icon, you can replace the water filter and reset the water filter replace alarm, or dismiss the alarm and change the filter later. (For more information, see the "Resetting or dismissing the water filter replacement alarm" section on page 39.
<p>07 Peak Demand indicator</p>	<ul style="list-style-type: none"> • Displays the status of the Peak Demand function. • For more information on the Peak Demand function, see the SMART GRID Function (Demand Response, applicable models only) section.
<p>08 Buttons</p>	<ul style="list-style-type: none"> • When the display is off, tap any button to wake up the display. • Tap  to select the desired item on the main panel and to confirm any setting changes. • Tap < or > to change the settings of the selected item on the main panel.

NOTE


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

Setting the desired temperature or function

Select the fridge or freezer and set the desired temperature or function of your choice.

1. Tap any button (< ,  , >) to wake up the display.

- This step may not apply to some models.






2. Tap  until the fridge or freezer indicator blinks.

- The selected compartment's indicator blinks.

3. Tap < or > to select the desired temperature or function.

- Refer to the table for available selection for each compartment.



Fridge	<ul style="list-style-type: none"> • Available selection (Fahrenheit):  (Power Cool) ↔ 34 °F ↔ 35 °F ↔ 36 °F ↔ 37 °F ↔ 38 °F ↔ 39 °F ↔ 40 °F ↔ 41 °F ↔ 42 °F ↔ 43 °F ↔ 44 °F • Available selection (Celsius):  (Power Cool) ↔ 1 °C ↔ 2 °C ↔ 3 °C ↔ 4 °C ↔ 5 °C ↔ 6 °C ↔ 7 °C • Power Cool speeds up the cooling process at maximum fan speed. The fridge keeps running at full speed for two and a half hours and then returns to the previous temperature.
Freezer	<ul style="list-style-type: none"> • Available selection (Fahrenheit):  (Power Freeze) ↔ -8 °F ↔ -7 °F ↔ -6 °F ↔ -5 °F ↔ -4 °F ↔ -3 °F ↔ -2 °F ↔ -1 °F ↔ 0 °F ↔ 1 °F ↔ 2 °F ↔ 3 °F ↔ 4 °F ↔ 5 °F • Available selection (Celsius):  (Power Freeze) ↔ -23 °C ↔ -22 °C ↔ -21 °C ↔ -20 °C ↔ -19 °C ↔ -18 °C ↔ -17 °C ↔ -16 °C ↔ -15 °C • 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. <p> NOTE When you use this function, the energy consumption of the refrigerator will increase. Remember to turn it off when you do not need it and return the freezer to your original temperature setting.</p>

4. Wait for 5 seconds or tap  to confirm your selection.




NOTE

- Using Power Cool or Power Freeze increases power consumption.
- When you change the temperature on the panel, the panel displays the actual temperature inside the refrigerator until the temperature matches the temperature you set. Then, the panel displays the new set temperature. Note that it will take time for the refrigerator to reach the new temperature. This is normal. During this time, you do not need to set the temperature again.
- To ensure optimal performance, we recommend setting the temperature to 0 °F (-18 °C) for the freezer, and 37 °F (3 °C) for the fridge.
- The temperature in the refrigerator may rise if you open the door frequently or put a large amount of food into the refrigerator. If this happens, the temperature display blinks until the refrigerator returns to the specified temperature settings. If the blinking continues for an extended time, contact a local Samsung service center for technical assistance.
- While the temperature display is blinking, an alarm may occur. To stop the alarm, tap any button on the display.






Turning on or off the ice maker

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


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

Changing the temperature scale

You can switch the temperature scale between Fahrenheit and Celsius.


1. Tap any button (< ,  , or >) to wake up the display.
 - This step may not apply to some models.
2. Tap  until the °F and °C symbols on the fridge or freezer blink.
3. Tap < or > to select the desired temperature scale.
 - Tap < to select Fahrenheit.
 - Tap > to select Celsius.
4. Wait for 5 seconds or tap  to confirm your selection.
 - The °F and °C symbols stop blinking.

Turning on or off the Peak Demand function

You can turn on or off the Peak Demand function. For more information on the Peak Demand function, see the SMART GRID Function (Demand Response, applicable models only) section. To activate or deactivate the Peak Demand function, tap and hold < for 3 seconds. When the function is enabled, the Peak Demand indicator () turns on with a chime.

Activating or deactivating the Sabbath mode (applicable models only)

The Sabbath mode stays active for 85 hours once it is activated. After that, it will be deactivated automatically.


- To activate or deactivate the Sabbath Mode, tap and hold  and > simultaneously for 6 seconds. Then, when the display blinks, tap > .
 - When the refrigerator is in the Sabbath mode, the buttons, display, and internal lights do not function. The refrigerator and freezer, however, continue to cool.

NOTE


- If the refrigerator powers off and restarts (for example, if there is a power failure), the Sabbath mode remains active. To end Sabbath Mode, you must deactivate it as instructed above




Activating or deactivating the Cooling Off mode

The Cooling Off mode (also called the Shop mode) is designed for retailers to display refrigerators on a retail floor. In the Cooling Off mode, the refrigerator's fan motor and lights operate normally, but the compressors do not run, so neither the refrigerator nor the freezer becomes cold.

- To activate or deactivate the Cooling Off mode, tap < and > hold and simultaneously for 6 seconds. Then, when the display blinks, press  .
 - When the Cooling Off mode is on, the refrigerator chime sounds, and the refrigerator shows "0" on the fridge indicator and "FF" on the freezer indicator.

Resetting or dismissing the water filter replacement alarm

The water filter replacement icon () blinks to alert the user that it is time to replace the water filter. You can replace the water filter immediately and reset the water filter replacement alarm, or dismiss the alarm if you want to change the water filter later.

1. Tap any buttons (< ,  , or >) to wake up the display.
 - This step may not apply to some models.
2. Tap  until the Water Filter indicator blinks.
3. Tap < or > to select Reset or Later.
 - If you have changed the water filter, tap < to reset the water filter replacement alarm.
 - If you want to change the water filter later and dismiss the alarm, tap >.
4. Wait for 5 seconds or tap  to confirm your selection.
 - The Water Filter indicator stops blinking.

SmartThings

Installation

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

NOTE:

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

Samsung account

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

Getting started

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

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

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

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

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

Refrigerator app

Integrated control

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

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

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

Refrigerator settings

Category	Item	Description
Monitoring	Fridge temperature	Displays the desired temperature setting of the fridge.
	Freezer temperature	Displays the desired temperature setting of the freezer.
	Energy monitoring	Checks the accumulated power consumption of the refrigerator for the last 180 days.
Functions	Ice making	You can turn the ice making function on or off.
	Power Cool	You can turn Power Cool on or off, and check the current settings.
	Power Freeze	You can turn Power Freeze on or off, and check the current settings.
	Fridge temperature	You can set the desired temperature of the fridge.
	Freezer temperature	You can set the desired temperature of the freezer.
	AutoFill Pitcher	You can turn the AutoFill Pitcher function on or off.
	Sabbath Mode	You can activate and deactivate the Sabbath mode.
Alarms	Abnormally high temperature	This alarm is triggered when the fridge or the freezer has abnormally high temperatures.
	Door opening	This alarm is triggered if the fridge door or the freezer drawer is open for a specific time.

AutoFill Pitcher overflowing	If the AutoFill Pitcher function senses an overflow, it triggers this alarm to let you know the status of the overflow.
Water Alter replacement	This alarm reminds you that the water filter must be replaced.

SMART GRID Function (Demand Response) (applicable models only)

When the refrigerator operates in SMART GRID (Demand Response) mode, the Energy Management Refrigerator function can control energy usage or delay the operation of some functions to save money when energy prices or demand are the highest.

NOTE

- You can deactivate the SMART GRID (Demand Response) function at any time using the Peak Demand Off function.
- To use the SMART GRID (Demand Response) function, you need a separate contract with your electric utility company.

In addition, to use the Smart Grid (Demand Response) function, you must register for the service with your electric company. The company must have an EMS (Energy Management System) that supports SEP (Smart Energy profile).

Using the SMART GRID (Demand Response) Function

This feature monitors energy prices and demand information from your utility company and sends notifications to the refrigerator to run high energy consuming tasks during off-peak times when electricity costs and demand are lower.

If the refrigerator receives a control signal from the utility company, the refrigerator will display the **DAL ~ TALR** levels on the refrigerator display and control the power consumption according to the level.

[Exception condition] The DAL and TALR control signals from a utility company work as long as product performance is maintained.

If the refrigerator receives the SMART GRID (Demand Response) signal (DAL or TALR), the refrigerator will operate in Delay Appliance Load (Display:L3) or Temporary Appliance Load Reduction (Display:L4) mode.

- Delay Appliance Load (L3): The refrigerator responds to a DAL signal by providing a moderate load reduction for the duration of the delay period. This function controls



functions that consume a lot of energy such as adjusting the Cooling system, running the defrost cycle, and making ice.



- When the refrigerator operates in DAL (L3) mode, “L3” is displayed on the refrigerator display.
- DAL mode is automatically deactivated after it lasts for the amount of time stipulated by the DAL signal (max. 4.5 hours) or when the Peak Demand Off key is pressed.
- Temporary Appliance Load Reduction (L4): The refrigerator responds to a TALR signal by aggressively reducing the load for a short time period. This function reduces energy consumption by stopping the compressor and controlling the functions that consume a lot of energy such as the defrost cycle and making ice.
 - When the refrigerator operates in TALR (L4) mode, “L4” is displayed on the refrigerator display.
 - **TALR (L4)** mode is automatically deactivated after it lasts for the received duration (max. 15 minutes), or when the Peak Demand Off key is pressed. The mode is immediately deactivated and the refrigerator returns to the normal state when the door is opened or closed, or the dispenser is used.

Peak Demand Off (Override mode)

When you want the refrigerator to ignore the SMART GRID (Demand Response) signal from the utility company, you can activate Peak Demand Off (Override mode).

When you activate Peak Demand Off (Override mode), the refrigerator ignores the SMART GRID (Demand Response) signal and is not controlled by the utility company.

Activating and deactivating Peak Demand Off (Override mode)

1. Tap and hold < for 3 seconds.
2. Then the Peak Demand Off (Override mode) icon () turns on.
3. If the refrigerator receives a SMART GRID (Demand Response) signal from the utility company, 'Or' is displayed in the freezer temperature display.
4. To deactivate Peak Demand Off (Override mode), tap and hold < for 3 seconds.
5. Then the Peak Demand Off (Override mode) icon () turns off.

NOTE Alternatively, you can activate or deactivate Peak Demand Off (Override mode) using the SmartThings app and the Energy Management function. See the next page

Using the Energy Management Function

The Energy Management function enables you to control and monitor your Energy Management refrigerator using the SmartThings app for your convenience.

NOTE

- To use the Energy Management refrigerator functions, you have to install the corresponding app first.

1. Operational Status

- You can check the DR and Peak Demand Off (Override mode) status.

2. Energy Consumption Reporting

- Shows the accumulated power consumption. Power consumption data is updated every 10 minutes.

NOTE The energy consumption report may differ from the power consumption specifications of the product depending on the operating environment and the stored food.

3. Delay Defrost Capability

- The Delay Defrost Capability function saves energy by delaying the defrost operation to a time specified by the user. You can configure the time. And this function will save energy during the specified period in a 24 hour cycle. If the time is not set, the function works with the default time settings. The default time settings are below:
- 6 am to 10 am: 1st. November ~ 30th. April
- 3 pm to 7 pm: 1st. May ~ 31th. October

To change the time setting for the Delay Defrost Capability

You can change the time setting for the Delay Defrost Capability on the app.

Provision for Open Access to the Connected Product Requirements

1. SGIP Open Standards (Smart Energy Profile 2.0 - <http://www.csep.org/>)

- Energy Consumption Reporting
- Demand Response

2. Samsung OPEN API

- Operational Status, User Settings & Messages
- ICE Maker Status: GET /icemaker/status/vs/0
- Door Open Alarm: GET /doors/vs/0
- DR Status: GET /drlc/vs/0
- Delay Defrost Capability
- Set Schedule of the Defrost Delay: POST /defrost/reservation/vs/0?op=add
- Get Schedule of the Defrost Delay : GET /defrost/reservation/vs/0

- Delete Schedule of the Defrost Delay: POST /defrost/reservation/vs/0?op=remove
- Defrost Delay On/OFF: POST /defrost/delay/vs/0

Special features

Water dispenser

Using the dispenser, you can dispense water.

To dispense chilled water, turn off the Dispenser Lock function. Put a water glass under the dispenser, and then push the dispenser lever.

NOTE

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

Water clouding

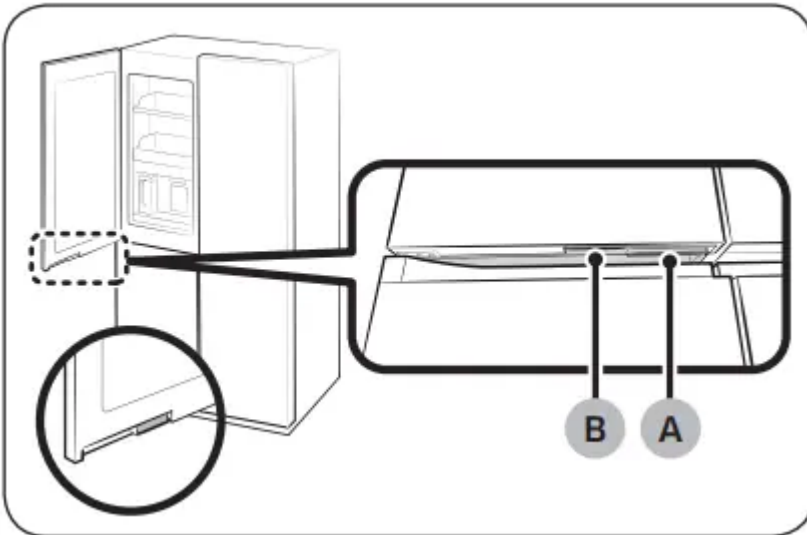
Water supplied to the refrigerator flows through a core alkaline filter. During this filtering process, the water pressure of the water increases and the water becomes saturated with oxygen and nitrogen. This causes the water to look misty or cloudy temporarily when dispensed. This is normal and the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

Special features

Beverage Center

Using the dispenser, you can dispense water.

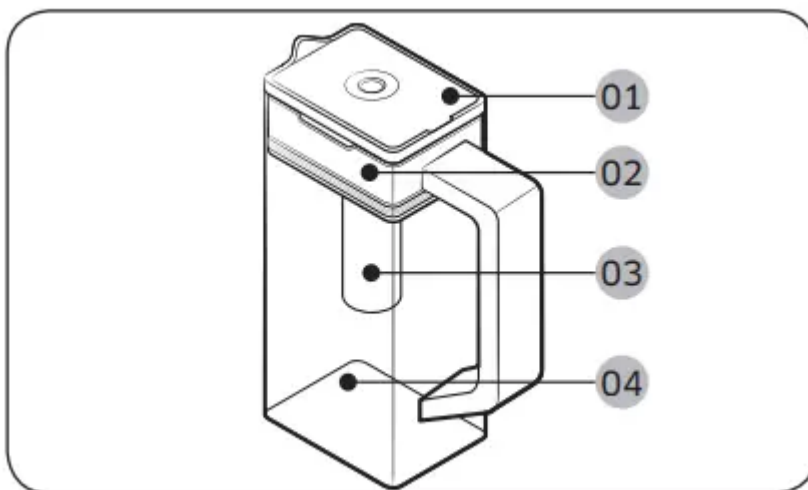
The left fridge door has two handles on the bottom. To use the autofill pitcher, drink cold or purified water, press handle (B) to open the Beverage Center



- A. Fridge door handle
- B. Beverage Center handle

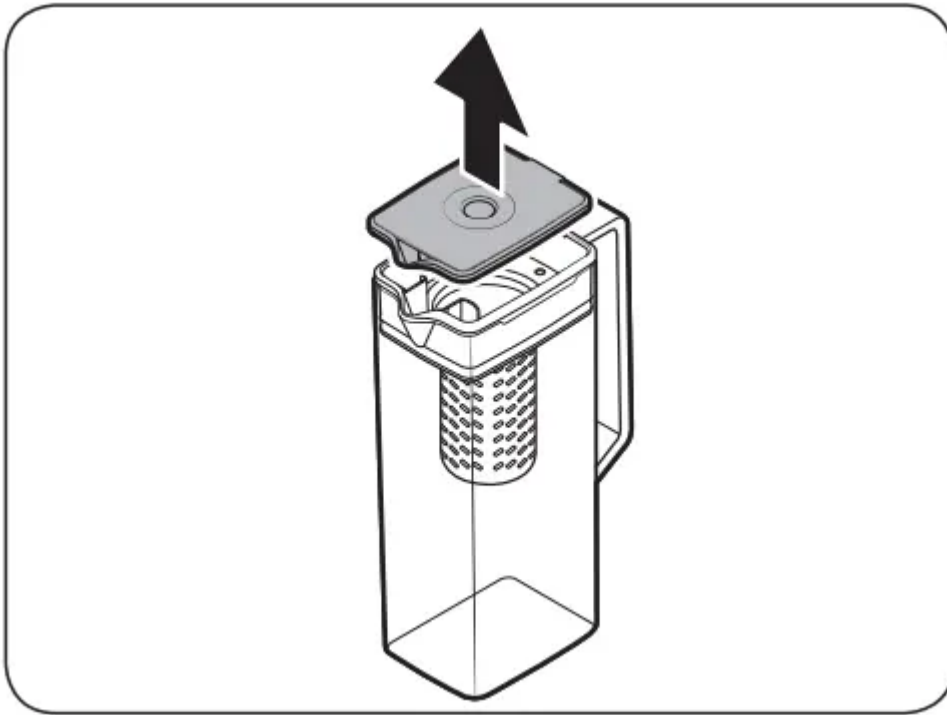
Water pitcher (AutoFill Pitcher) (applicable models only)

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



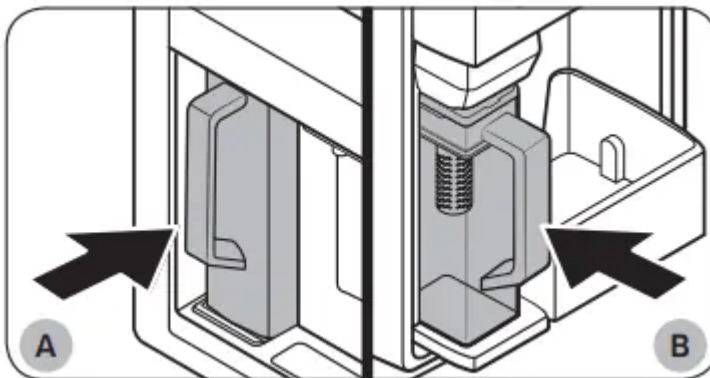
01. Lid
02. Infuser holder
03. Infuser
04. Body

To fill the Water pitcher



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

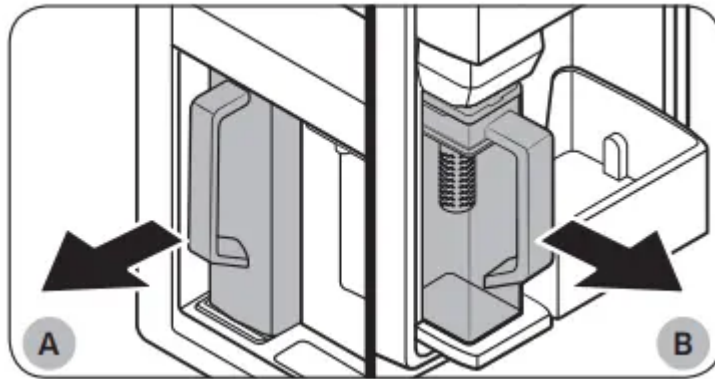
NOTE If you want to keep the infused water in its initial concentration, turn the AutoFill Pitcher function off.



- A. Type A models
- B. Type B models

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

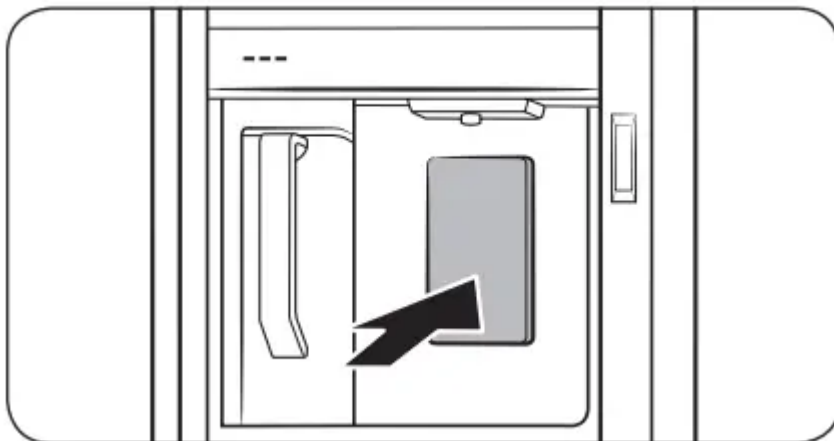
4. Close the door. The water pitcher will start to fill with chilled water a short time later.



- A. Type A models
- B. Type B models

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

Water dispenser (applicable models only)

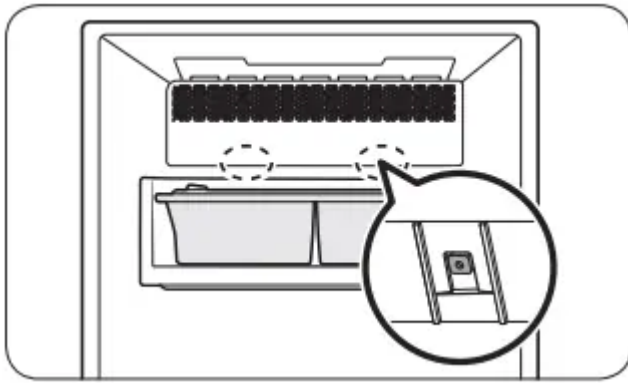


To dispense chilled water, open the Beverage Center and press the dispenser lever.

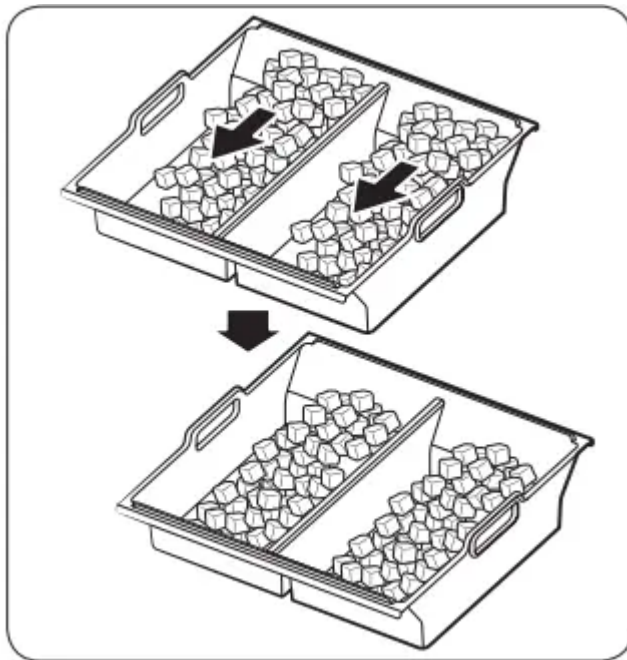
Water clouding

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

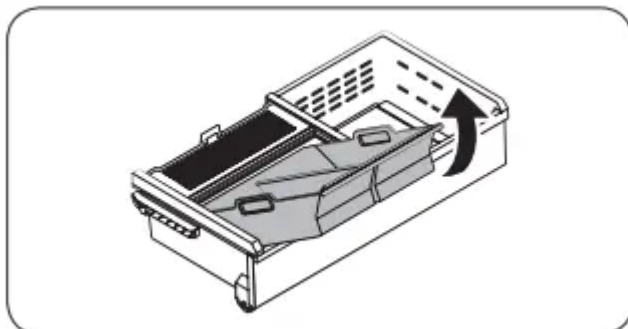
Diagnosis



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



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



- Take caution when removing the ice bucket, the ice cubes may pour down from the tilt.
- When reinserting the ice bucket, remove any ice lump that are left over in the tray.

Maintenance

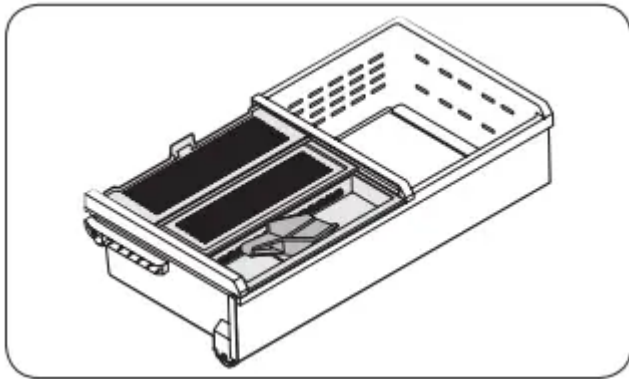
Handling and care

Ice bucket (applicable models only)

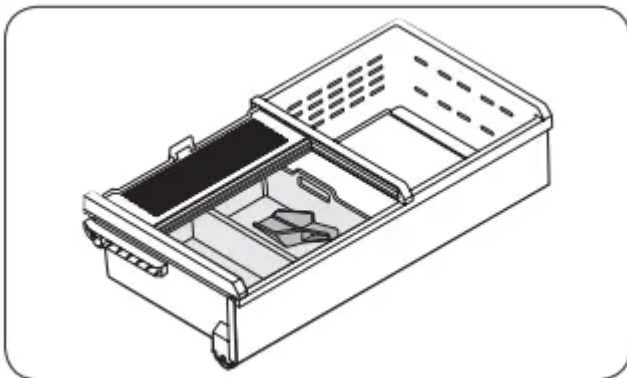
If you do not dispense ice for an extended period, ice may form clumps inside the bucket. If this happens, remove and empty the ice bucket.

Where to keep the scoop

Keep the scoop inside the scoop tray.

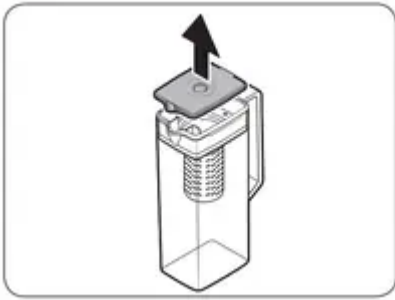


You can also store the scoop inside the ice bucket. In this case, sit the handle of the scoop against the side wall of the bucket for easy access.

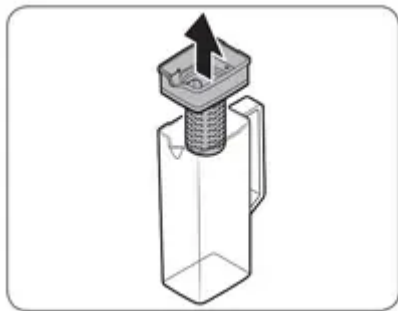


AutoFill Pitcher (applicable models only)

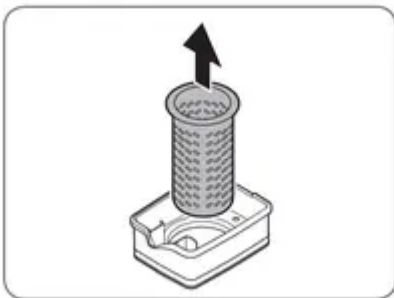
1. Grasp a handle groove of the lid, and then pull up to remove.



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



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



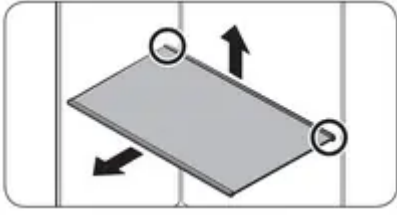
CAUTION: The water pitcher and lid are not microwave safe and can melt or deform if exposed to heat (including hot water). Please hand wash in cool or warm water as needed.

Fridge shelves

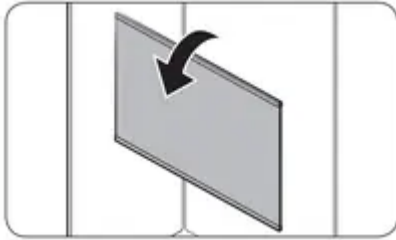
The appearance of the shelves differs by model.

Top shelf

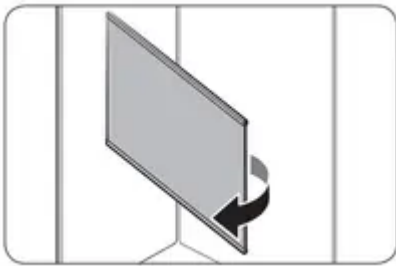
1. Lift the rear side of the shelf with one hand, and then pull it out.



2. Tilt the shelf vertically as shown in the figure.



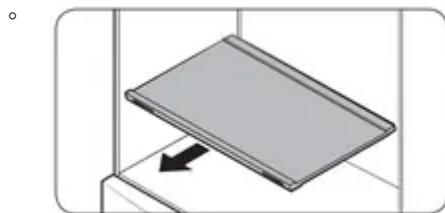
3. Carefully pull out the shelf as shown in the figure.



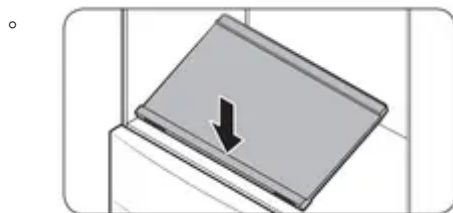
Vegetable shelf

NOTE: You must remove the Quick Space shelf before removing the Vegetable shelf.

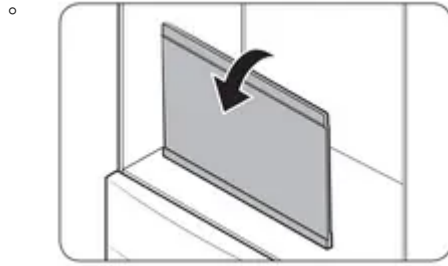
1. Pull the shelf out.



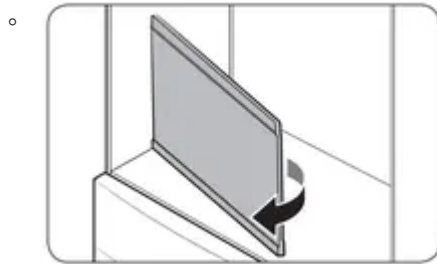
2. Press the front of the shelf to lift the rear side of it.



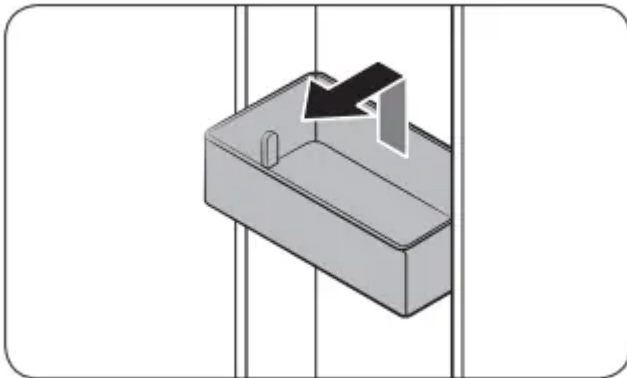
3. Hold the rear side of the shelf and tilt it vertically.



4. Carefully pull out the shelf as shown in the figure.



Door bins

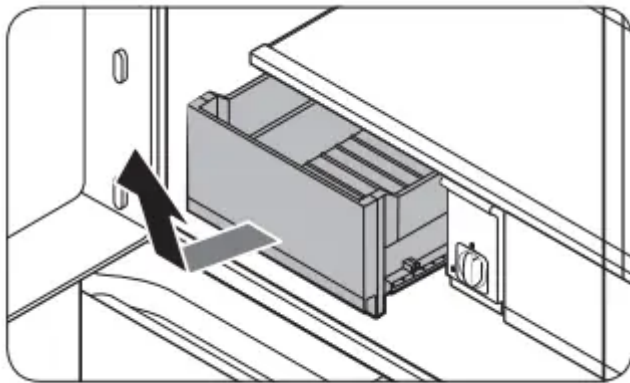


- To remove the door bin, hold the front sides of the bin, and then gently lift up to remove.
- To reinsert, insert the door bin slightly above its final location making sure that the back of the bin is against the door. Hold the rear of the door bin with both hands, and then press down so that it fits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

CAUTION

- Do not remove a bin that is filled with food. Empty the bin beforehand.
- Use caution when opening the door if the bottom bin contains larger bottles, which may fall over.
- Do not allow children to play with the bins. Sharp corners of the bin may cause injury.

Crisper+ / Fridge Drawers



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

- We recommend that you remove the door bins before removing the drawer. This is to prevent damage to the door bins.
- To reinsert, insert the drawer into the frame rails and then slide inward.

Cleaning

Interior and exterior

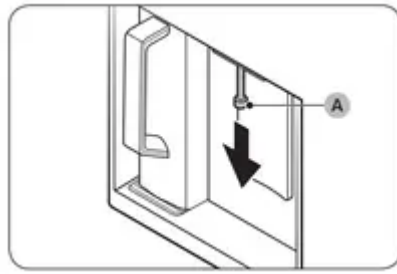
Regularly use a dry cloth to remove all foreign substances such as dust or water from the power plug terminals and contact points.

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

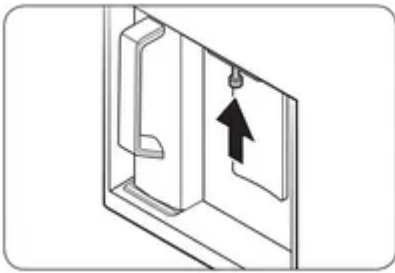
Dispenser nozzle (applicable models only)

1. Hold the end of the dispenser nozzle (A).

2. While turning the dispenser nozzle (A) left, pull it down to remove it from the dispenser.



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



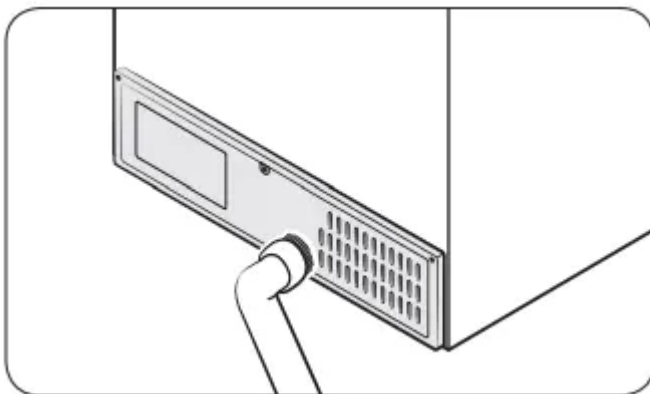
CAUTION

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

Rubber seals

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

Rear panel



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


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

Replacement

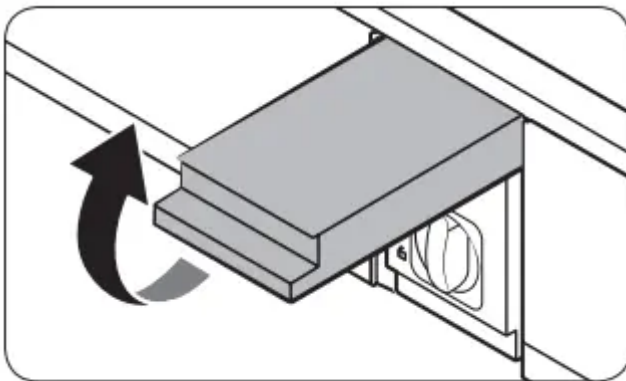
Water filter

WARNING

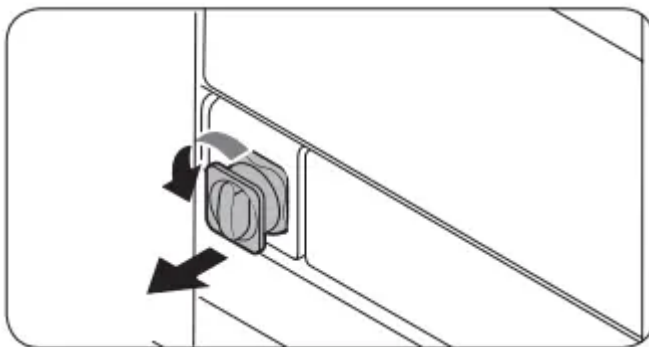
- Do not use third-party water filters. Use only Samsung-provided or -approved filters.
- Unapproved filters may leak and damage the refrigerator, causing electric shock. Samsung is not responsible for any damage that may occur from use of third-party water filters.

The Water Filter Indicator () turns red to let you know it is time to replace the water filter. Before replacing the filter, make sure the water supply line is shut off.

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

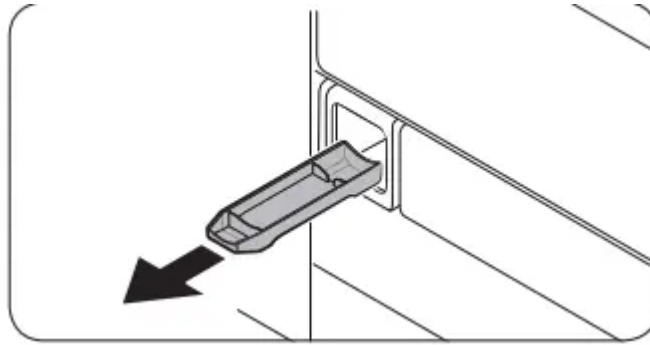


3. Turn the knob of the filter cartridge 90 degrees counterclockwise (1/4 turn). The filter cartridge unlocks.

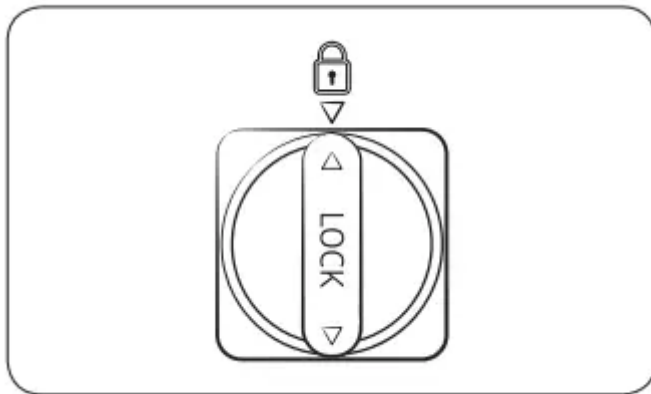



4. Pull out to remove the cartridge.
 - If the water filter is severely contaminated, the cartridge may not be easy to remove. If that is the case, use force to remove the cartridge.

- To prevent water leaks from the filter opening, pull the cartridge straight out while removing it.



5. Insert a new filter cartridge. Use only Samsung-provided or approved filters.
6. Turn the cartridge knob clockwise to lock into place.
7. Close the filter cartridge cover.



8. Tap Water Filter Reset on the control panel to reset the water filter. Then, the Water Filter Reset indicator () turns off
9. When you are done replacing the filter, 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 air has entered the waterline.
- The replacement process may cause the water dispenser to drip for a short period of time. If it drips, simply wipe up any water on the floor with a dry towel.

Reverse osmosis water filtration system

The water pressure of the water supply system to a reverse osmosis water filtration system must be between 30 to 120 psi (206 to 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 these specifications:

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

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

Ordering a new filter

To purchase a new water filter, contact a local Samsung service center or visit www.samsungparts.com on the web.

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.

Door panel (applicable models only)

You can select the door panel you prefer for your BESPOKE refrigerator. Purchase the door panel at a Samsung retail store and an authorized installer will install the panel for you.

Troubleshooting

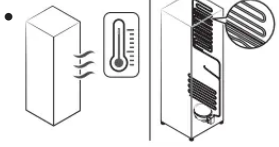
Before calling for service, review the symptoms and recommended solutions below. If none of the suggested solutions resolve your problem, please visit our website or call Samsung Customer Care at 1-800-SAMSUNG (726-7864). Note: that you will be charged for any service visits in which no defects were found.

General

Temperature

Symptom	Possible causes	Solution
Fridge/freezer does not operate. Fridge/freezer temperature is warm.	<ul style="list-style-type: none"> • Power cord is not plugged in properly. 	<ul style="list-style-type: none"> • Properly plug in the power cord.
	<ul style="list-style-type: none"> • Temperature control is not set correctly. 	<ul style="list-style-type: none"> • Set the temperature lower.
	<ul style="list-style-type: none"> • Refrigerator is located near a heat source or direct sunlight. 	<ul style="list-style-type: none"> • Keep the refrigerator away from direct sunlight or a heat source.
	<ul style="list-style-type: none"> • Not enough clearance between refrigerator and nearby walls or cabinets. 	<ul style="list-style-type: none"> • Make sure there is a gap of at least 2.5 inches (5 cm) between the refrigerator back and sides and any nearby walls or cabinets.
	<ul style="list-style-type: none"> • Energy Saver mode is activated. 	<ul style="list-style-type: none"> • Deactivate Energy Saver mode.
	<ul style="list-style-type: none"> • The refrigerator is overloaded. Food is blocking the refrigerator vents. 	<ul style="list-style-type: none"> • Do not overload the refrigerator. Do not allow food to block vents.
Fridge/freezer is over-cooling.	<ul style="list-style-type: none"> • Temperature control is not set correctly. 	<ul style="list-style-type: none"> • Set the temperature higher.
Interior wall is hot	<ul style="list-style-type: none"> • Refrigerator has heat-proof piping in the interior wall. 	<ul style="list-style-type: none"> • To prevent condensation from forming, the refrigerator has heat-proof piping in the front corners. If the



		<p>ambient temperature rises, this equipment may not work effectively. This is not a system failure</p> 
--	--	---

Odors

Symptom	Possible causes	Solution
Refrigerator has odors.	<ul style="list-style-type: none"> • Spoiled food. 	<ul style="list-style-type: none"> • Clean the refrigerator and remove any spoiled food.
	<ul style="list-style-type: none"> • Food with strong odors. 	<ul style="list-style-type: none"> • Make sure strong smelling food is wrapped airtight.

Frost

Symptom	Possible causes	Solution
Frost around the vents.	<ul style="list-style-type: none"> • Food is blocking the vents. 	<ul style="list-style-type: none"> • Make sure no food blocks the refrigerator vents.
Frost on interior walls.	<ul style="list-style-type: none"> • Door is not closed properly. 	<ul style="list-style-type: none"> • Make sure food does not block the door. Clean the door gasket.

Condensation

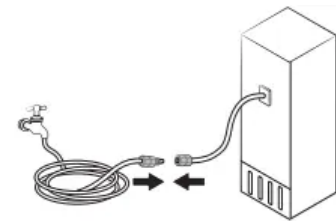
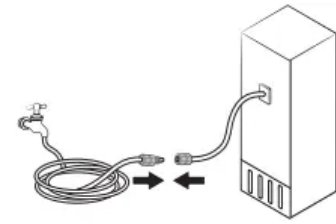
Symptom	Possible causes	Solution
Condensation forms on the interior walls.	<ul style="list-style-type: none"> • If door is left open, moisture enters the refrigerator. 	<ul style="list-style-type: none"> • Remove the moisture and do not leave a door open for extended periods of time.
	<ul style="list-style-type: none"> • Food with high moisture content. 	<ul style="list-style-type: none"> • Make sure food is wrapped airtight.

Water/ice (dispenser models only)



Symptom	Possible causes	Solution
Water flow is weaker than normal.	<ul style="list-style-type: none"> • Water pressure is too low. 	<ul style="list-style-type: none"> • Make sure the water pressure is between 30 to 120 psi (206 to 827 kPa).
Ice maker makes a buzzing sound.	<ul style="list-style-type: none"> • The ice maker function is activated, but the water supply to the refrigerator has not been connected. 	<ul style="list-style-type: none"> • Deactivate Ice maker.
Ice maker does not make ice.	<ul style="list-style-type: none"> • Ice maker has just been installed. 	<ul style="list-style-type: none"> • You must wait for 12 hours for the refrigerator to make ice.
	<ul style="list-style-type: none"> • Freezer temperature is too high. 	<ul style="list-style-type: none"> • Set the freezer temperature below 0 °F (-18 °C) or -4 °F (-20 °C) in warm ambient air.
	<ul style="list-style-type: none"> • Dispenser panel Lock is activated. 	<ul style="list-style-type: none"> • Deactivate dispenser panel Lock.
	<ul style="list-style-type: none"> • Ice maker is off. 	<ul style="list-style-type: none"> • Turn on the ice maker.
Ice does not dispense.	<ul style="list-style-type: none"> • Ice may jam if the ice dispenser is not used for a long time (approx. 3 weeks). 	<ul style="list-style-type: none"> • If you won't be using the refrigerator for a long time, empty the ice bucket and turn off the ice maker.
	<ul style="list-style-type: none"> • Ice bucket is not properly inserted. 	<ul style="list-style-type: none"> • Make sure the ice bucket is properly inserted.
	<ul style="list-style-type: none"> • Water line is not connected 	<ul style="list-style-type: none"> • Check if the water line is installed correctly. Check if

	properly or water supply is not on.	the water line stop valve is closed.
Water does not dispense.	<ul style="list-style-type: none"> Water line is not connected properly or water supply is not on. 	<ul style="list-style-type: none"> Check if the water line is installed correctly. Check if the water line stop valve is closed.
	<ul style="list-style-type: none"> A third-party water filter was installed. 	<ul style="list-style-type: none"> Use only Samsung-provided or approved filters. Unapproved filters may leak and damage the refrigerator.
	<ul style="list-style-type: none"> Replace the water filter. Then, on the control panel, go to More Options, and then run Filter Reset. 	<ul style="list-style-type: none"> Replace the water filter. Then, on the control panel, go to More Options, and then run Filter Reset.



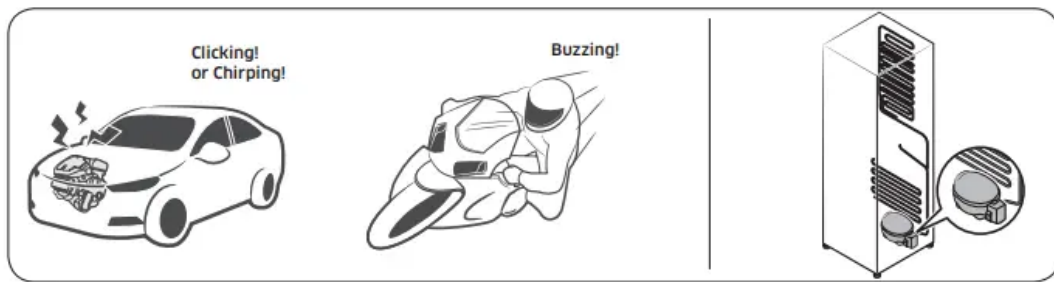
Do you hear abnormal sounds from the refrigerator?

Before calling for service, review the information below. If you still have questions about sounds your refrigerator is making, please call Samsung Customer Care at 1-800-SAMSUNG (726-7864). Note: that you will be charged for any service visits related to normal operating sounds in which no defects were found.

These sounds are normal.

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

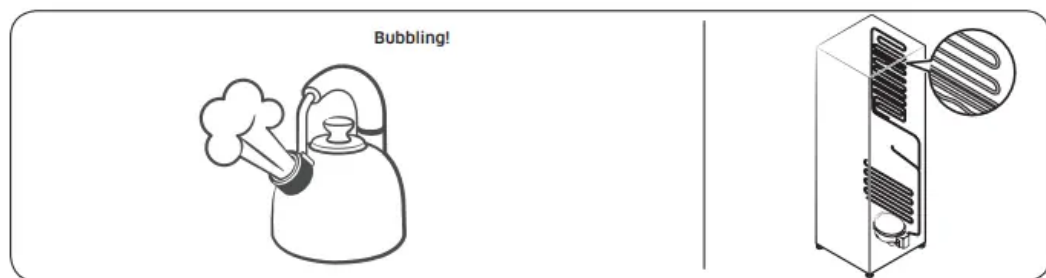
- While the fan is operating, these sounds may occur. When the refrigerator reaches the set temperature, the fan sound will stop



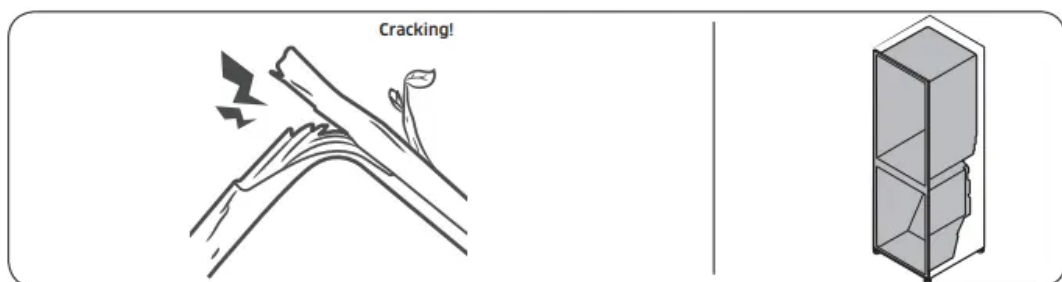
- During a defrost cycle, water may drip on the defrost heater, causing sizzling sounds



- As the refrigerator cools or freezes, refrigerant gas moves through sealed pipes, causing bubbling sounds.



- As the refrigerator temperature increases or decreases, plastic parts contract and expand, creating knocking noises. These noises occur during the defrosting cycle or when electronic parts are working.




- For ice maker models: When the water valve opens to fill the ice maker, you may hear a buzzing sound.
- Due to pressure equalizing when you open and close the refrigerator door, you may hear a whooshing sound.

SmartThings



Symptom	Action
<p>Could not find "SmartThings" in the app market.</p>	<ul style="list-style-type: none"> • The supporting software version of the SmartThings app is subject to change according to the OS supporting policy the manufacturer provides. In addition, as for the SmartThings app or the functions that the app supports, the new application update policy on the existing OS version can be suspended due to usability or security reasons.
<p>The SmartThings app fails to operate.</p>	<ul style="list-style-type: none"> • The SmartThings app is available for applicable models only. • The old Samsung Smart Refrigerator app cannot connect with Samsung Smart Home models.
<p>The SmartThings app is installed but is not connected to my refrigerator.</p>	<ul style="list-style-type: none"> • You must log into your Samsung account to use the app. • Make sure that your router is operating normally. • If the Wi-Fi icon on the refrigerator's display is off, this indicates that no network connection has been established yet. In this case, use the SmartThings app to connect and register your refrigerator to the access point (AP) of your house.
<p>Could not log into the app.</p>	<ul style="list-style-type: none"> • 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.
<p>An error message appears when I try to register my refrigerator.</p>	<ul style="list-style-type: none"> • 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.

<p>The SmartThings app is successfully connected to my refrigerator but does not run.</p>	<ul style="list-style-type: none"> • Exit and restart the SmartThings app, or disconnect and reconnect the router. • Power off the refrigerator, and then power it on again after 1 minute.
<p>The Wi-Fi icon is blinking </p>	<ul style="list-style-type: none"> • Connect your refrigerator with the SmartThings app before use. When the connection is made successfully, the indicator stops blinking. <ul style="list-style-type: none"> ◦ If you fail to make connection or don't want to use the app, press and hold the O button for 10 seconds. The indicator stops blinking with "O FF" shown on the temperature display.

Smart Grid (applicable models only)

Symptom	Action
<p>What Do I Need to use the Energy Management and Smart Grid functions?</p>	<p>To use the Smart Grid (Demand Response) and Energy Management functions on your refrigerator, you need the following:</p> <p>Devices</p> <ul style="list-style-type: none"> • A wireless access point (router) • A Samsung Energy Management-supported refrigerator • A smartphone Registration <p>Connect your refrigerator to your home Wi-Fi network.</p> <p>Register for the EMS service with your electric company. Your electric company must have an EMS (Energy Management System) supporting SEP (Smart Energy profile).</p> <p>App</p> <ul style="list-style-type: none"> • Download the SmartThings app from the Google Play Store, Apple App Store, or Samsung Galaxy Apps. • Install and run the SmartThings app on your smartphone.
<p>Why isn't the Energy Management function working normally?</p>	<ul style="list-style-type: none"> • Make sure that your home router is operating normally with proper Internet service and connection. • Make sure that the refrigerator is connected to the AP (router). <p>Checkpoints</p> <ul style="list-style-type: none"> • Connect your smartphone to the router (AP, Access Point), and then check if you can browse the Internet on the smartphone.
<p>Why isn't the Delay Defrost Capability working normally?</p>	<ul style="list-style-type: none"> • Make sure that your home router is operating normally with proper Internet service and connection.

Step-by-step installation

STEP 1 Select a site

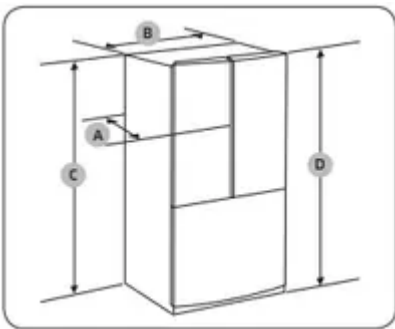


The site must:

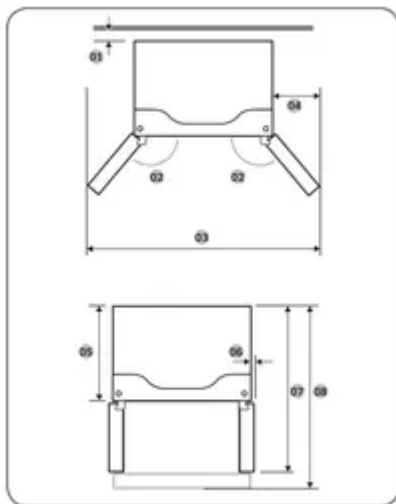
- Have a solid level surface without carpeting or flooring that may obstruct ventilation
- Be out of direct sunlight
- Have adequate room for opening and closing the door
- Be away from any heat source
- Provide room for maintenance and servicing
- Have a temperature range between 50 °F (10 °C) and 110 °F (43 °C)

Clearance

See the following figures and tables for installation space requirements.



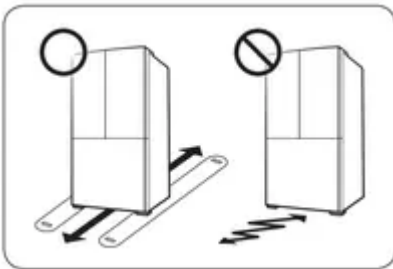
Model	RF24BB6*****	RF30BB6*****
A	28 5/8" (730 mm)	34 1/4" (868 mm)
B	35 5/8" (908 mm)	
C	68 7/8" (1749 mm)	
D	70" (1778 mm)	



Model	RF24BB6*****	RF30BB6*****
01	more than 50 mm recommended	
02	125°	
03	58 2/4" (1485 mm)	
04	11 3/8" (289 mm)	
05	24" (610 mm)	29 3/8" (748 mm)
06	2 1/8" (54 mm)	
07	43" (1093 mm)	48 2/4" (1231 mm)
08	44 2/4" (1131 mm)	53 1/4" (1353 mm)

STEP 2 Flooring

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



NOTE

To prevent floor damage, make sure the front leveling legs are in the upright position.

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

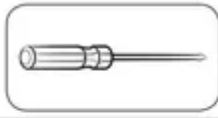
STEP 3 Door removal for entrance

If the refrigerator cannot pass through the entrance to your home or kitchen due to its size, follow these instructions to remove and then re-install the refrigerator's doors. If you do not need to remove the doors, go to page 28 to continue the installation procedure.

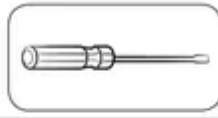
WARNING

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

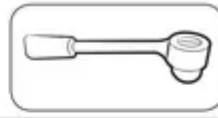
Tools required (not provided)



Phillips screwdriver



Flat-head screwdriver



Socket wrench 3/8" (10 mm)



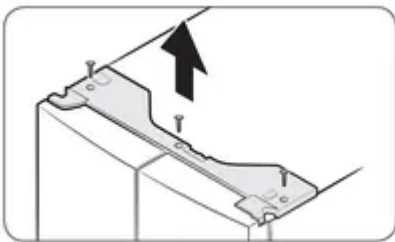
Pliers



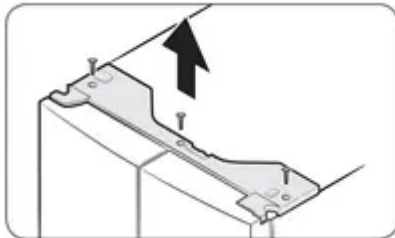
Allen wrench 1/4" (5 mm)

Detach the fridge doors

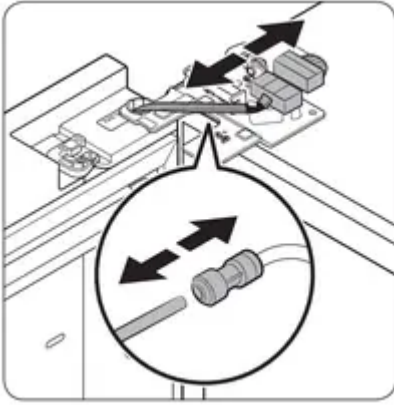
- With the doors closed, use a Phillips screwdriver to remove the screws (x3) from the top cover. Pull up and remove the top cover with the connectors.



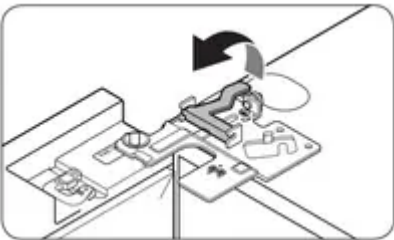
- Disconnect the two wire connectors on the left door. The position of the connectors differs with the model.



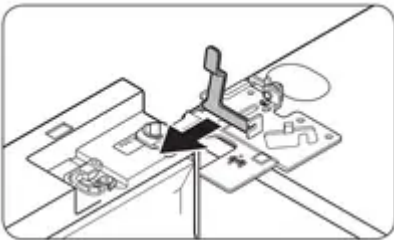
- Disconnect the water tube from the coupler on the left door as shown. This step does not apply to the models without the AutoFill Pitcher and the water dispenser.



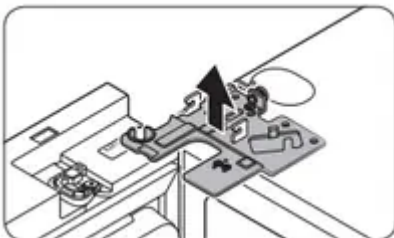
- Gently draw up the clamp in several steps. To prevent finger injuries, do not apply a sudden force to the clamp.



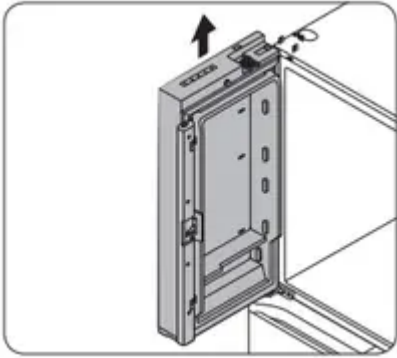
- Pull up the clamp to remove.



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



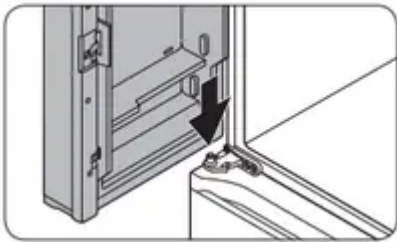
- Gently pull up the door vertically to remove. Do not apply excessive force to the door. The door may fall, causing physical injury.



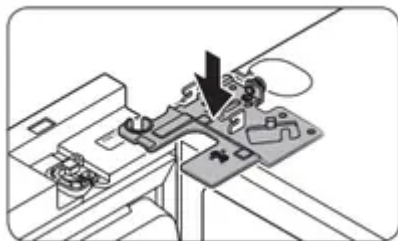
- Lay the door down on a flat surface.
- Repeat steps 1-8 for the other door, except for step 3. There is no water tube on the right side door. Step 2 does not apply to the models without the Showcase door.

To reattach the fridge doors

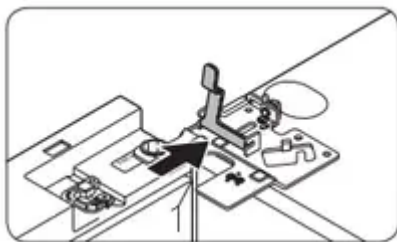
- While holding the door open by more than 90 degrees, insert the shaft on the middle hinge into the hole on the bottom of the door.



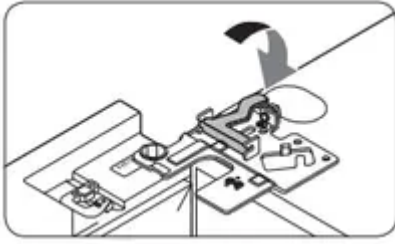
- Put the top hinge into position on the top of the refrigerator, and then insert the hinge shaft into the top hole of the door. Make sure the wires from the door pass through the hole in the hinge shaft.



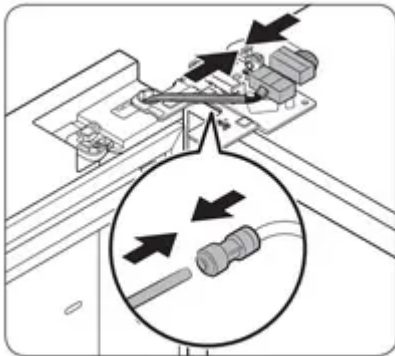
- Insert the clamp in the direction of the arrow.



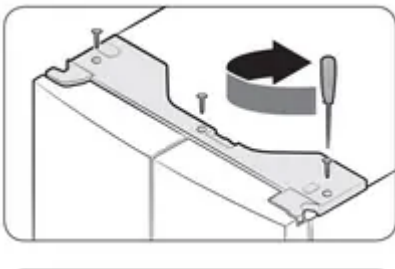
- Push back the clamp as shown.



- Connect the wire connectors.
- Connect the water tube. This step does not apply to the models without the AutoFill Pitcher and the water dispenser.

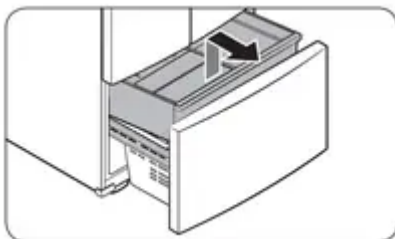


- Repeat steps 1-5 for the other door. Step 5 does not apply to the models without the Showcase door.
- Attach the top cover with the front side first, and then press down on its back to get it into position. Then, tighten the screws (x3).

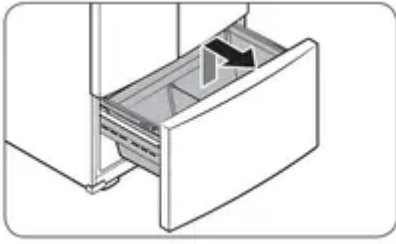


To detach the freezer drawer

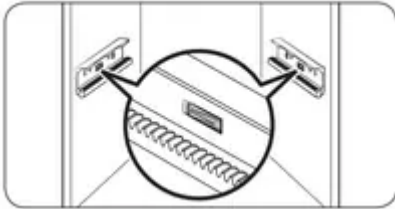
- Lift up the front of the upper basket and pull up to remove.



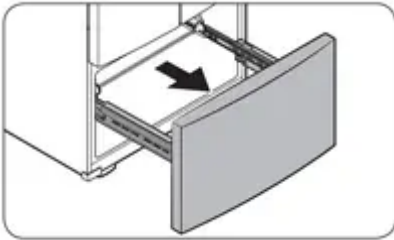
- Then, pull up to remove the lower basket from the rail assembly.



- Press down the hooks to unlock the rail assembly.



- While holding the upper area of the freezer drawer front, slide the drawer out all the way to remove the freezer drawer from the rail assembly.

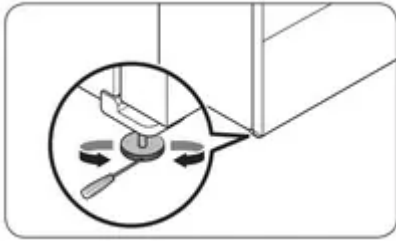


STEP 4 Leveling the refrigerator

CAUTION

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

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

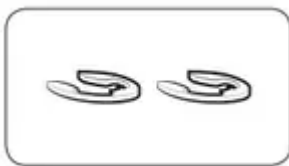


- To adjust the height of the left side: Insert a flat-head screwdriver into the leveler of the left side front leg. Turn the leveler clockwise to raise the left side or turn it counterclockwise to lower.
- To adjust the height of the right side: Insert a flat-head screwdriver into the leveler of the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

STEP 5 Adjust the door height and the door gap

Snap rings

- 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).

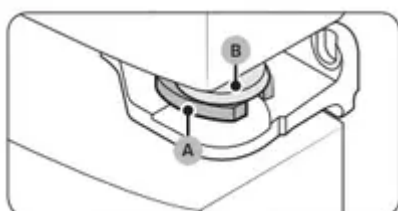


To adjust the height of a door

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



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



CAUTION

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

STEP 6 Connect the water dispenser line (applicable models only)

A water dispenser with a filter is one of the helpful features on your new refrigerator. To help promote better health, the water filter removes unwanted particles from your water. However, it does not sterilize or destroy microorganisms. You may need to purchase a water purifying system to do that.

The water line also connects to the ice maker. For the ice maker to operate properly, water pressure must be between 30-125 psi (206-861 kPa).

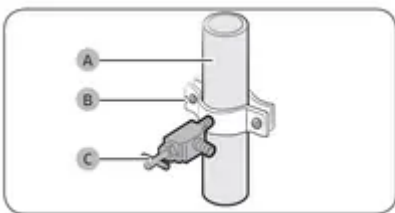
If the refrigerator is installed in an area with low water pressure (below 30 psi / 206 kPa), you can install a booster pump to compensate for the low pressure.

After you have connected the water line, check if the water dispenser works properly.

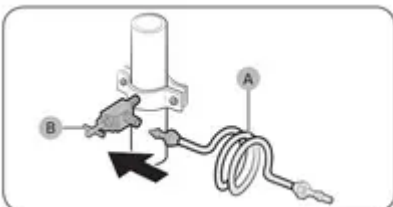
Press the water dispenser lever until the water runs from the water outlet.

NOTE: Water line installation kits are available at extra cost from your retailer. We recommend using a water line installation kit that contains copper tubing and a 1/4" (6 mm) compression nut.

- Shut off the main water source.
- Insert the pipe clamp (B) and the shutoff valve (C) into the cold water line (A).



- Connect the water line installation kit (A) to the shutoff valve (B).



STEP 7 Initial settings

By completing the following steps, the refrigerator should be fully functioning.

- Plug the power cord into the wall socket to turn the refrigerator on.

- Open the door, and check if the interior light lights up.
- Set the temperature to the coldest setting, and wait for about an hour. Then, the freezer will be slightly chilled, and the motor should be running smoothly.
- Wait until the refrigerator reaches the set temperature. Now the refrigerator is ready for use.

STEP 8 Final check

When installation is complete, confirm that:

- The refrigerator is plugged into an electrical outlet and grounded properly.
- The refrigerator is installed on a flat, level surface with a reasonable clearance from walls and cabinets.
- The refrigerator is level and is sitting firmly on the floor.
- The door opens and closes freely, and the interior light turns on automatically when you open the door.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.