

## Installation

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

### WARNING

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

### 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 Auto Ice Maker

02 Main panel

03 Wide Pantry

04 Freezer

05 Door bins

06 Water filter

07 Ice Maker \*

08 Ice bucket \*

*\* applicable models only*

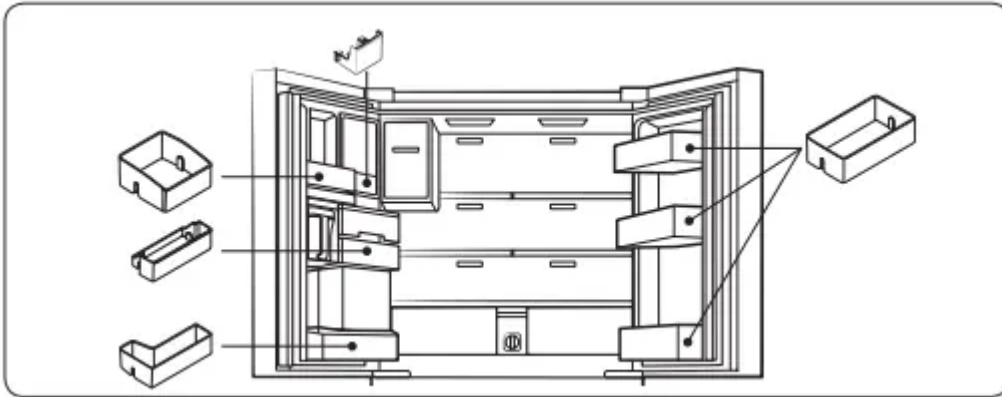
### NOTE

- 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.
- When a door is opened, the interlock switch automatically disables the auger motor of the ice maker for safety reasons.

- If the internal or external LED lamp is out of order, contact a local Samsung service center.

### 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.



### Select a site

Select a site that:

- Has a solid, level surface without carpeting or flooring that may obstruct ventilation
- Is away from direct sunlight
- Has adequate room for opening and closing the door
- Is away from any heat sources
- Provides room for maintenance and servicing
- Has a temperature range between 50 °F (10 °C) and 109 °F (43 °C)

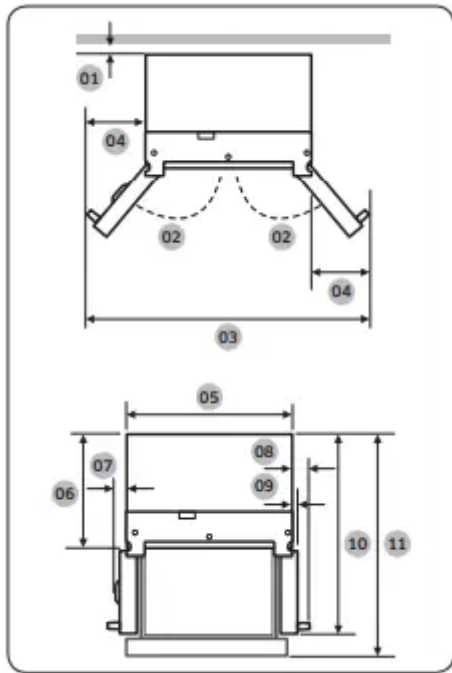
### NOTE

To facilitate moving your refrigerator to its final location, be sure to measure the width and height of doorways, thresholds, ceilings, stairways, and anything else that needs to be taken into consideration to ensure you can move your refrigerator safely. The following diagram illustrates the exact height and depth (factory specifications) of your refrigerator

### Clearance

See the following figures and tables for space requirements for installation

Model	RF23M807*** RF23M808***	RF23M809***
Depth "A"	-	30 3/4" (781 mm)
Width "B"	35 3/4" (908 mm)	35 3/4" (908 mm)
Height "C"	68 7/8" (1749 mm)	68 7/8" (1749 mm)
Overall Height "D"	70" (1777 mm)	70" (1777 mm)
Depth "E"	29 1/4" (742 mm)	29 1/4" (742 mm)



Model	RF23M807*** RF23M808***	RF23M809***
01	2" (50 mm)	2" (50 mm)
02	135°	135°
03	62" (1575 mm)	64" (1624 mm)
04	13 1/4" (333.5 mm)	14 1/8" (358 mm)
05	35 3/4" (908 mm)	35 3/4" (908 mm)
06	24" (610 mm)	24" (610 mm)
07	2 1/2" (64 mm)	2 1/2" (64 mm)
08	-	4 1/8" (104 mm)
09	1 3/4" (45.4 mm)	1 3/4" (45.4 mm)
10	43 1/8" (1095.5 mm)	43 1/8" (1095.5 mm)
11	45" (1143 mm)	45" (1143 mm)

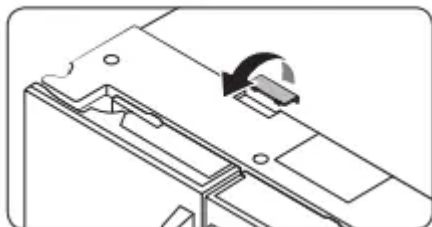
## NOTE

The measurements in the table above may differ slightly from the actual measurements, depending on the measuring and rounding method.

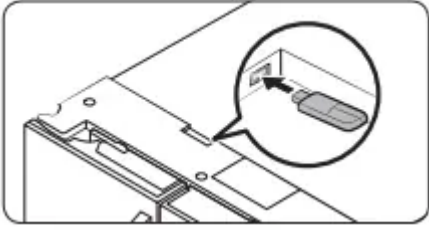
## WiFi connection

You can control the refrigerator remotely through a Wi-Fi connection using the Smart Home Dongle that is sold separately. To purchase the Smart Home Dongle, visit [www.samsung.com](http://www.samsung.com) and view the product information about the dongle.

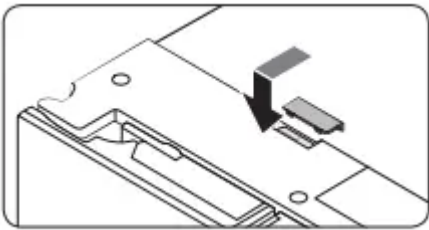
1. Press the front area of the dongle cover to unlatch.
2. Open up the dongle cover.



3. Insert the Smart Home Dongle into the dongle port in the correct orientation.



4. Insert the front area of the dongle cover first, and then fit the cover into position.



## Flooring

If the refrigerator cannot pass through the entrance due to its size, see STEP 3 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.

## 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 26 to continue the installation procedure.

### WARNING

Unplug the power cord of the refrigerator before removing the doors

### Tools required (not provided)

#### Detach the fridge doors

1. With the door opened, remove the screws from the top cover.
2. Disconnect the wires and the water tube from the left-side door. Do the following sequentially:
  - Decouple the connector.

- While holding down one end of the water line coupler, disconnect the water tube.

**CAUTION**

Keep the water tube clips out of children’s reach.

3. Remove the top hinges.

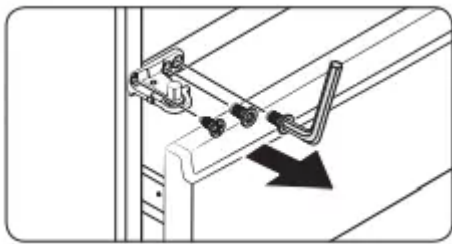
- Pull and remove the hinge lever.
- Then, remove the door hinge.
- Repeat this step on the other side

4. Lift straight up to remove the door.

- Repeat this step on the other side

**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

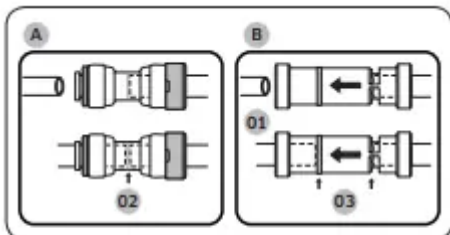


5. Remove the middle hinge.

- Remove the screw from the hinge using a Phillips screwdriver.
- Remove 1 hex-head bolts from the hinge using an Allen wrench (1/4", 5 mm).
- Remove the middle hinge.
- Repeat this step on the other side

**To reattach the fridge door**

After you have moved the refrigerator to its final location, reattach the doors by following the removal instructions in reverse order.



- 01** Dispenser
- 02** Center of transparent coupler
- 03** Guidelines

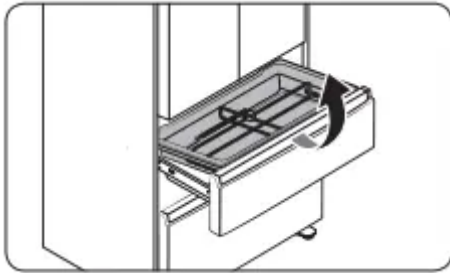


## CAUTION

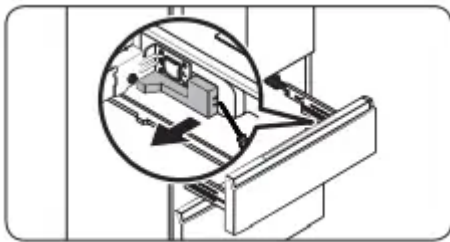
To prevent water leaks from the dispenser, the water line must be fully connected. Make sure both tubes of the water line are inserted fully to the center of transparent coupler (A) or the guidelines (B).

### ***Detach the FlexZone™ drawer***

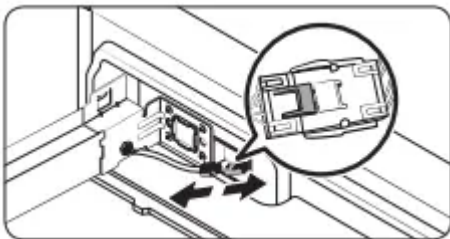
1. Lift up to remove the FlexZone™ basket.



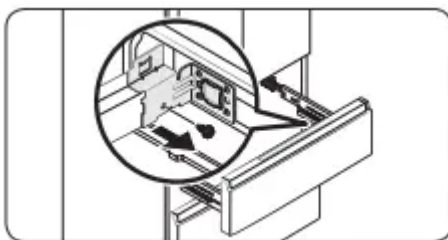
2. Remove the wire cover with harness using a flat-head screwdriver.



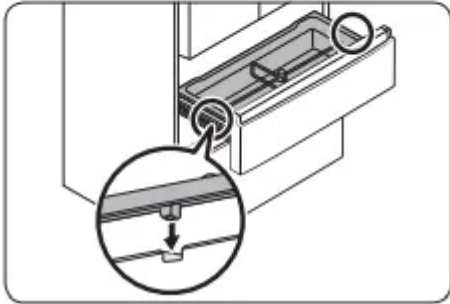
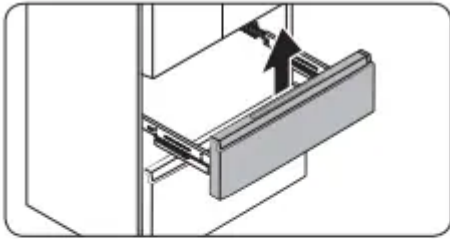
3. Press the locking tab to disconnect the wire connector.



4. Remove the hex-head bolt from each side using a socket wrench (3/8", 10 mm) or a screwdriver.



5. Lift up to remove the drawer front of the FlexZone™ from the rail assembly.



### CAUTION

- Use caution when removing the rail assembly, which may fall off causing damage to the floor.
- Make sure to put the FlexZone™ drawer in place after removing or mounting the FlexZone™ basket. The FlexZone™ drawer may not open or close if the freezer drawer is not in place.
- Do not store too much food in the FlexZone™ drawer. This prevents the FlexZone™ drawer from closing properly, resulting in frost buildup

### To reattach the FlexZone™ drawer

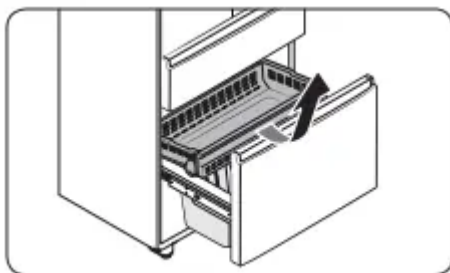
After you have moved the refrigerator to its final location, reattach the FlexZone™ drawer by following the removal instructions in reverse order.

### CAUTION

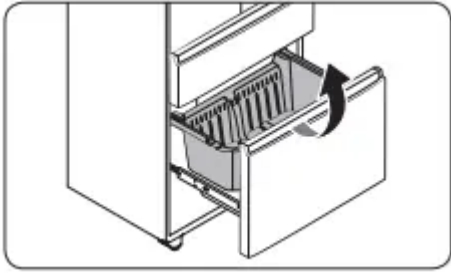
If the FlexZone™ or the indicator does not operate properly, make sure the connectors are connected properly.

### *Detach the freezer drawer*

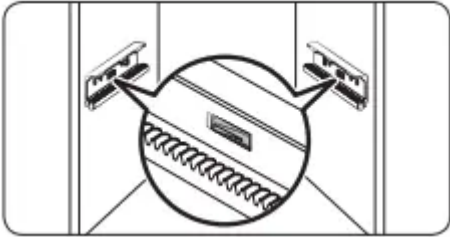
1. Push the upper basket to the end, and then pull up to remove.



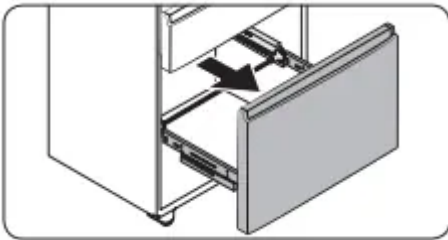
2. Pull up to remove the lower basket from the rail assembly.

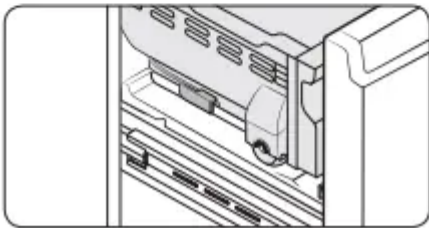
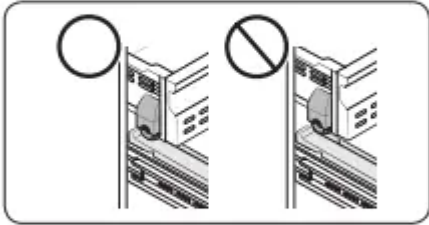
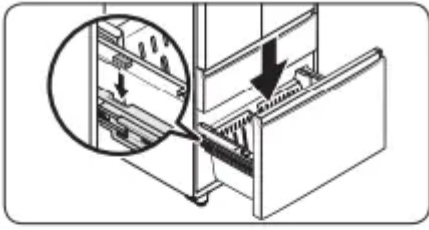


3. Press down the hooks to unlock the rail assembly.



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



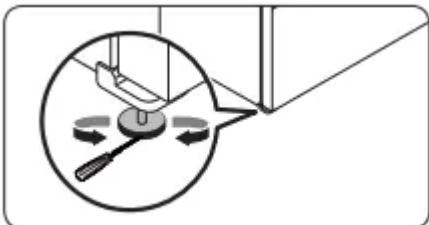


## Levelling the refrigerator

### CAUTION

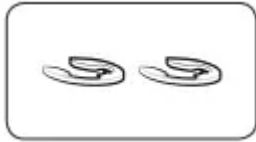
- The refrigerator must be levelled on a flat, solid floor. Failing to do so can cause damage to the refrigerator or physical injury.
- Levelling must be performed with the refrigerator empty. Make sure no food items are inside the refrigerator.
- Also, open the freezer drawer and remove the lower basket.
- For safety reasons, adjust the refrigerator so that the front is a little higher than the rear.

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



- To adjust the height on one side: Insert a flat-head screwdriver into a notch in the leveller on that side. (left or right) Turn the leveller clockwise to raise the refrigerator. Turn it counterclockwise to lower. Repeat on the other side.

## Adjust the door height and the door gap

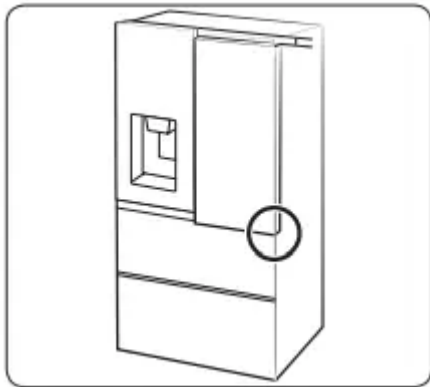


### **Snap rings**

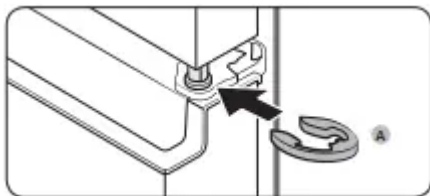
The height of a door can be adjusted using the provided snap rings, which come in 4 different sizes (1 mm, 1.5 mm, 2 mm, and 2.5 mm).

To adjust the height of a door

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



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



### **Connect the water dispenser line**

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 of 20-125 psi is required.

If the refrigerator is installed in an area with low water pressure (below 20 psi), you can install a booster pump to compensate for the low pressure.

After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled. To do this, press the water dispenser lever until 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.

1. Shut off the main water source.
2. Insert the pipe clamp (B) and the shutoff valve (C) into the cold water line (A). A B
3. Connect the water line installation kit (A) to the shutoff valve (B).

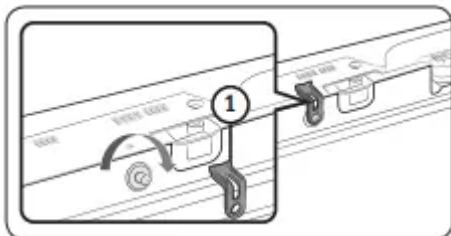
#### **Connect the water supply line to the refrigerator**

*There are several items you must purchase to complete this connection. You may find these items sold as a kit at your local hardware store.*

- A. Refrigerator
  - B. Household water supply line
  - C. Water Line: must be kept straight.
- 01 Compression Nut (1/4") (Assembled)
  - 02 Ferrule (Not supplied)
  - 03 Copper tubing (Not supplied)
  - 04 Plastic Tubing (Assembled)
  - 05 Compression Fitting (Assembled)
  - 06 Molded end (Bulb)
  - 07 Compression nut (1/4") (Not supplied)
  - 08 Plastic Tubing (Not supplied)

#### **Initial settings**

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



1. Plug the power cord into the wall socket to turn the refrigerator on.
2. Open the door, and check if the interior light lights up.

3. Set the temperature to the coldest setting, and wait for about an hour. Then, the freezer will be slightly chilled, and the motor should be running smoothly.

4. Wait until the refrigerator reaches the set temperature. Now the refrigerator is ready for use.

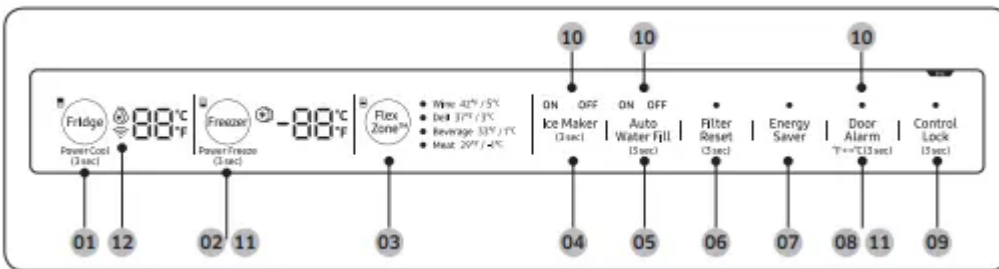
### Final check

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.

## Operations

### Main panel



01 Fridge / Power Cool

02 Freezer / Power Freeze

03 FlexZone™

04 Ice Maker

05 Auto Water Fill

06 Filter Reset

07 Energy Saver

08 Door Alarm / °F <-> °C

09 Control Lock

10 Cooling Off 11 Sabbath Mode



12 Network connection \*

\* applicable models only

**NOTE**


- 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 a communication error occurs between the temperature display and the main controller, this blinking continues for an extended time. Contact a local Samsung service center for technical assistance.
- The display of the main panel turns on only if the door is opened and turns off if the door is closed.
- If you set Control Lock on the main panel, the main panel locks automatically 1 minute after inactivity.

**01 Fridge / Power Cool (3 sec)**

<p><b>Fridge</b></p>	<p>You can use the Fridge button to set the fridge temperature or to activate/deactivate Power Cool.</p> <p>Press <b>Fridge</b> repeatedly to select a desired temperature between 34 °F (1 °C) and 44 °F (7 °C). The temperature indicator displays the currently set or selected temperature.</p>
<p><b>Power Cool</b></p>	<p>Power Cool speeds up the cooling process at maximum power to lower the fridge temperature. The cooling process continues to run for several hours, and then the fridge returns to the previous temperature setting.</p> <p>Use Power Cool to rapidly cool food that spoils quickly or to rapidly cool the refrigerator after the door has been left open for some time.</p> <ul style="list-style-type: none"> <li>• To activate Power Cool, press and hold <b>Fridge</b> for 3 seconds. The corresponding indicator (  ) lights up and the refrigerator speeds up the cooling process.</li> <li>• To deactivate Power Cool, press and hold <b>Fridge</b> again for 3 seconds. The fridge returns to the previous temperature setting.</li> </ul> <p> <b>NOTE</b></p> <p>Using Power Cool increases power consumption. Make sure you turn it off if you no longer need it and let the refrigerator return to its previous temperature.</p>



## 02 Freezer / Power Freeze (3 sec)

<b>Freezer</b>	<p>You can use the Freezer button to set the freezer temperature or to activate and de-activate Power Freeze.</p> <p>To set the freezer temperature manually, press <b>Freezer</b> repeatedly. The currently set or selected temperature appears on the temperature display. Available temperatures are between 5 °F (-15 °C) and -8 °F (-23 °C).</p>
<b>Power Freeze</b>	<p>Power Freeze speeds up the freezing process at maximum power to lower the freezer temperature. The freezing process continues to run for several hours, and then the freezer returns to the previous temperature setting with normal power.</p> <ul style="list-style-type: none"> <li>To activate Power Freeze, press and hold <b>Freezer</b> for 3 seconds. The corresponding indicator (⊕) lights up and the refrigerator speeds up the freezing process.</li> <li>To de-activate Power Freeze, press and hold <b>Freezer</b> for 3 seconds again. The freezer returns to its previous temperature setting.</li> <li>To freeze large amounts of food, activate Power Freeze for at least 20 hours before putting the food in the freezer.</li> </ul> <p> <b>NOTE</b></p> <p>Using Power Freeze increases power consumption. Make sure you turn it off if you no longer need it and let the refrigerator return to its previous temperature.</p>


## 03 FlexZone™

The FlexZone™ is a full-width drawer featuring temperature control. It has a temperature sensor that adjusts the amount of cold air allowed into the zone.


- Press **FlexZone™** repeatedly to select a desired mode. By default, **Deli** is selected.
- The refrigerator adjusts the temperature in the FlexZone™ according to the selected mode.

Mode	Description	Examples
<b>Wine</b>	Select Wine to keep food fresh for a long time. The temperature of the FlexZone™ will be kept around 42 °F (5 °C).	Wine, cocktails, cake, cheese
<b>Deli</b>	Select Deli to keep food fresh for a longer time. The temperature of the FlexZone™ will be kept around 37 °F (3 °C).	Pineapples, lemons, biscuits, potatoes
<b>Beverage</b>	Select Beverage to keep drinks cold and refreshing. The temperature of the FlexZone™ will be kept around 33 °F (1 °C).	Bottled water, juice, soft drinks, beer
<b>Meat</b>	Select Meat to keep meat or fish fresh for a longer time. The temperature of the FlexZone™ will be kept around 29 °F (-1 °C).	Steaks, cold cuts, bacon, chili dogs


#### 04 Ice Maker (3 sec)

Ice Maker	<p>Press and hold <b>Ice Maker</b> for more than 3 seconds to turn the ice maker on or off.</p> <p>The ice maker has 2 indicators (ON/OFF) to indicate the operating status.</p> <ul style="list-style-type: none"><li>• When the ice maker operates, the <b>ON</b> indicator turns on.</li><li>• When the ice maker is turned off, the <b>OFF</b> indicator turns on. In this case, ice making is disabled even if you press the <b>Cubed</b> or <b>Crushed Ice</b> buttons on the dispenser panel. To enable ice making, you must turn the ice maker on.</li></ul> <p> <b>NOTE</b></p> <p>If the ice maker is turned off, it will turn on if you press and hold the <b>ice lever</b> for more than 5 seconds.</p>
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#### 05 Auto Water Fill (3 sec)

Auto Water Fill	<p>Press and hold <b>Auto Water Fill</b> for 3 seconds to turn the function on. Open the left door of the fridge, and then insert the water tank. Close the door and the water tank starts to be filled with water up to the a preset level some time later.</p> <p>To turn the function off, press and hold <b>Auto Water Fill</b> again for 3 seconds.</p> <p> <b>NOTE</b></p> <ul style="list-style-type: none"><li>• By default, Auto Water Fill is disabled. Enable this function after you have installed the water line.</li><li>• If you open the door or push the dispenser lever, this function is stopped temporarily.</li><li>• While the water tank is filled with water, the mood light on the dispenser panel stays lit.</li><li>• The Auto Water Fill indicators blink if there is a leak. This may occur because the water tank overflows, or the water-line or water-level sensor fails. If this is the case, follow these steps.<ol style="list-style-type: none"><li>a. Open the rubber cap and drain water.</li><li>b. When draining is complete, the indicators stop blinking and turn solid.</li><li>c. Close the rubber cap.</li></ol></li><li>• If the indicators continue to blink, this might be a system failure. Contact a local service center.</li></ul>
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#### 06 Filter Reset (3 sec)

Filter Reset	<p>After about 6 months (and typically, about 300 gallons (1200 L) of water), the Filter indicator blinks red for several seconds when you open or close the door, reminding you that the filter needs to be replaced.</p> <p>When this happens, replace the filter, and then press and hold <b>Filter Reset</b> for 3 seconds. The filter lifecycle will be reset and the Filter indicator turns off.</p> <p> <b>NOTE</b></p> <ul style="list-style-type: none"><li>• Some regions have relatively large amounts of lime in their water. This can reduce the lifecycle of the filter. In these areas, you will have to replace the water filter more often than specified above.</li><li>• If water is not dispensing properly, the water filter is most likely clogged. Replace the water filter.</li></ul>
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## 07 Energy Saver

Energy Saver	<p>Use Energy Saver mode to reduce power consumption. Press <b>Energy Saver</b> to turn on or off Energy Saver mode and the corresponding indicator. By default, Energy Saver mode is enabled.</p> <p> <b>NOTE</b></p> <p>If condensation or water drops form on or around the doors, turn Energy Saver mode off.</p>
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## 08 Door Alarm / °F ↔ °C (3 sec)

Door Alarm	<p>If the door is left open for more than 2 minutes, an alarm will sound and the Alarm Indicator will blink. You can toggle the alarm on and off by pressing <b>Door Alarm</b>. The alarm is enabled by factory default.</p>
°F ↔ °C	<p>You can also use the Door Alarm button to switch the temperature scale between Celsius and Fahrenheit.</p> <p>To switch the temperature scale, press and hold <b>Door Alarm</b> for 3 seconds to change the current temperature scale.</p>

## 09 Control Lock (3 sec)

Control Lock (Main panel)	<p>To prevent accidental setting changes, press and hold <b>Control Lock</b> for 3 seconds. The main panel will be disabled and the Lock indicator (●) will turn on.</p> <p>When Control Lock is on, the indicator blinks if any button (except for the Control Lock button) on the main panel is pressed.</p> <p>If you press and hold the button again for more than 3 seconds, Control Lock will be deactivated.</p> <p>However, Control Lock will be reactivated if no button is pressed within 1 minute.</p> <p> <b>NOTE</b></p> <p>Control Lock on the main panel does not affect the dispenser. The dispenser operates independently and so does the dispenser lever. To lock the dispenser and the dispenser lever, use the Lock function on the dispenser.</p>
Device authentication	<p>When connecting the refrigerator to Samsung Smart Home App or Samsung smart devices such as Samsung Smart TVs, follow the app's or device's onscreen instructions and press and hold <b>Control Lock</b> for 5 seconds. The temperature panel displays "on" for 5 seconds before proceeding with the authentication procedure. Note that the Control Lock function will be not affected by this authentication.</p>

## 10 Cooling Off

Cooling Off mode (also called Shop mode), is designed for use by retailers when they are displaying refrigerators on a retail floor. In Cooling Off mode, the refrigerator's fan motor and lights operate normally, but the compressors do not run so that neither the refrigerator nor the freezer get cold.

To enter Cooling Off mode, press and hold Ice Maker, Auto Water Fill, and Door Alarm for 5 seconds.

The refrigerator chime sounds, and the refrigerator shows O on the fridge display and FF on the freezer display.

## 11. Sabbath Mode

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

- To activate Sabbath Mode, press and hold Door Alarm and Water/Ice simultaneously for 5 seconds. When the refrigerator is in Sabbath mode, the buttons, the display, and the internal lights do not function. The refrigerator and freezer, however, continue to cool.
- To deactivate Sabbath Mode, press and hold Door Alarm and Water/Ice simultaneously again for 5 seconds.

### NOTE

Even after the refrigerator powers off and restarts, the Sabbath mode remains active. To exit, you must deactivate it first.

## 12 Network connection (applicable models only)

You can use the optional Smart Home Dongle (sold separately) to control and monitor your refrigerator through the Samsung Smart Home app. For more information about Samsung Smart Home, see the Samsung Smart Home (applicable models only) section.

## Dispenser panel

01 Water / Lock

02 Cubed Ice

03 Crushed Ice

### 01 Water / Lock (3 sec)

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

### 02 Cubed Ice

Cubed Ice	Press <b>Cubed Ice</b> to dispense cubed ice. The corresponding indicator turns on.
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### 03 Crushed Ice / Lighting (3 sec)

Crushed Ice	Press <b>Crushed Ice</b> to dispense crushed ice. The corresponding indicator turns on.
Lighting	By default, the dispenser lamp turns on only when the dispenser is used. To keep the dispenser lamp turning on, press and hold <b>Crushed Ice</b> for 3 seconds. To turn the lamp off, press and hold <b>Crushed Ice</b> for 3 seconds again.

## 04 Dispenser mood light

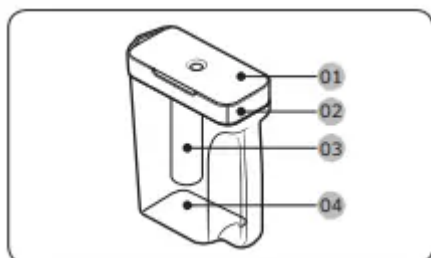
The Dispenser mood light lights up in the following conditions:

- When you push the dispenser lever with the dispenser lock disabled
  - Push the dispenser lever and the dispenser mood light turns on. Release the lever and the light turns off after a some time.
- While the water tank is being filled with water with the Auto Water Fill function turned on
  - The dispenser mood light stays lit.

## Special features

### Water tank (Auto Water Fill)

The Auto Water Fill function lets you enjoy cold brewed tea in your refrigerator



### 01 Lid

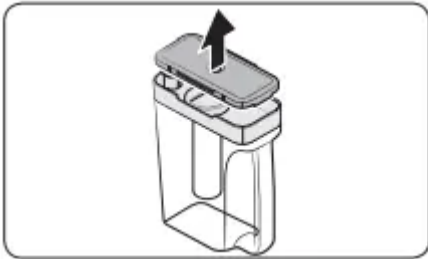
02 Sealed mouth

03 Infuser

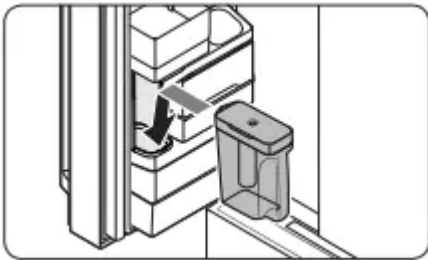
04 Body

### To fill the water tank

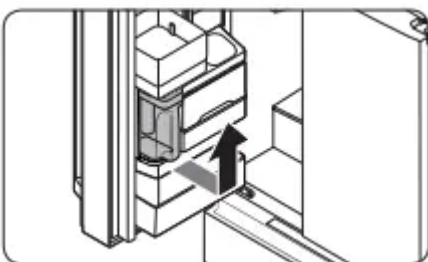
1. Grasp a handle groove of the sealed mouth, and then pull up to open the lid.
2. Put tea leaves or fruits to your taste into the infuser.



3. Enable the Auto Water Fill function on the main panel. Open the left door of the fridge door, and then mount the water tank onto the holder. Push it straight in as shown in the illustration on the left.
4. Close the door. The infuser will start to fill with chilled water some time later.

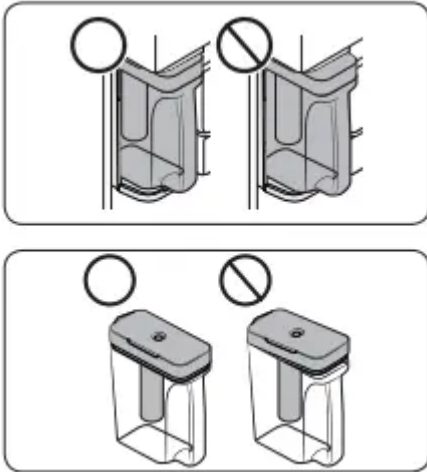


5. To drink tea, open the door and detach the water tank. Pull it straight out.



### CAUTION

- We recommend consuming fruit infused water within 24 hours. After that, the infused water can spoil over time.
- You must clean the water tank after you have consumed up the infused water or when a long time has passed without using the water tank.



- To prevent the water tank from tipping over or leaking, make sure the water tank fits in the water tank holder.
- To prevent the water tank from spilling over or leaking, make sure the sealed mouth is properly inserted.

### **Water/Ice dispenser**

Using the dispenser, you can dispense water with or without ice. The water dispenser offers 3 options: chilled water, cubed ice, and crushed ice. To dispense chilled water, press Water on the dispenser panel. Put a water glass under the dispenser, and then push the dispenser lever.

#### **To dispense water with ice**

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

#### **NOTE**

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

### **Ice maker**

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

### **Ice making**

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

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

#### **NOTE**

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

#### **Diagnosis**

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

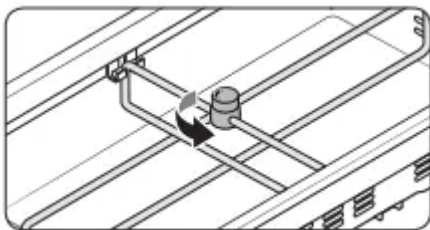
1. Press Test on the side of the ice maker. You will hear a chime (ding-dong) when you press the button.
2. You will hear another chime if th

#### **If You Turn the Ice Maker Off**

If you press and hold Ice Maker for more than 3 seconds to turn the ice maker off, make sure to remove all ice cubes from the ice bucket. Remaining ice cubes may clump together, making it difficult to remove them.

To remove the ice bucket, see the Ice bucket section on page 52

#### **FlexZone™ divider**



You can change the divider position. To do this, unlock the divider by turning the divider dial counter clockwise. Then, move the width and height bars as appropriate. When done, turn the dial clockwise to lock the divider.

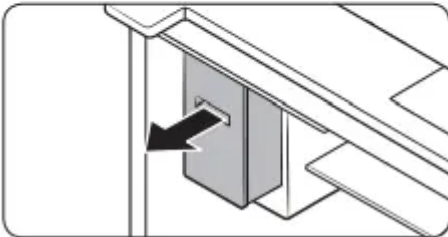
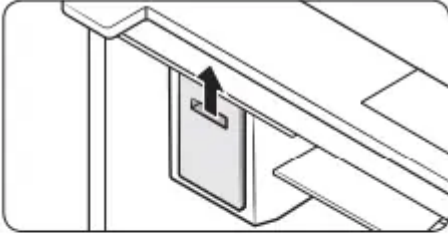
## **Maintenance**

### **Handling and care**

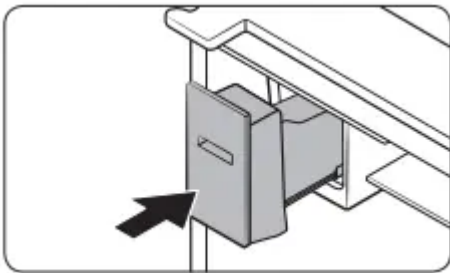
## Ice bucket

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

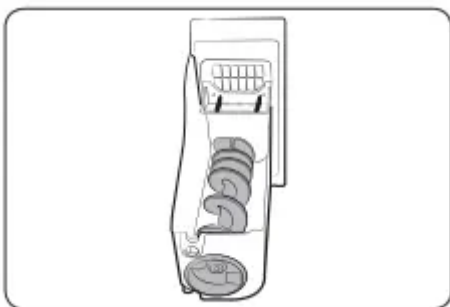
1. While grabbing the handle of the ice bucket, slightly lift up the bucket, and then remove it to the front.



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



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

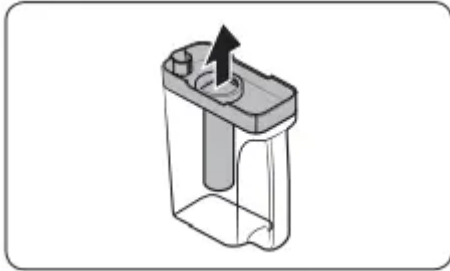


## Auto Water Fill

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



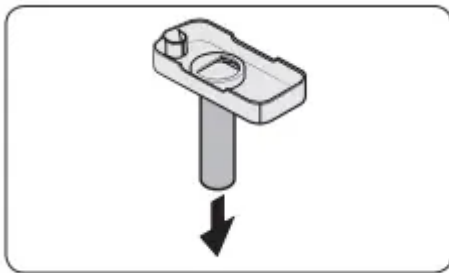
2. Grasp both sides of the sealed mouth, and then lift to remove.



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.

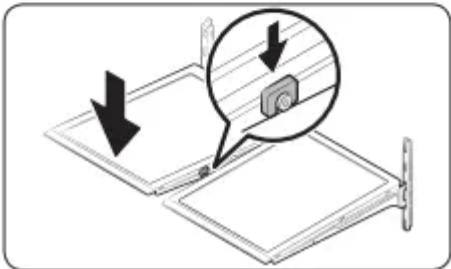
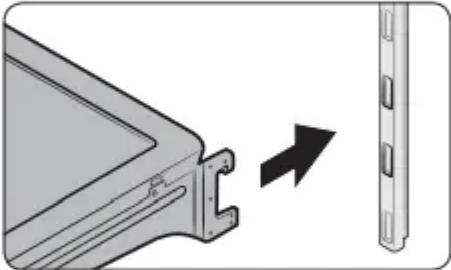
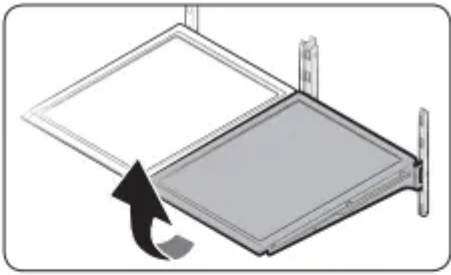
5. Reassemble the Auto Water Fill in the reverse order of disassembly.



## Fridge shelves

The appearance of the shelves differs by model.

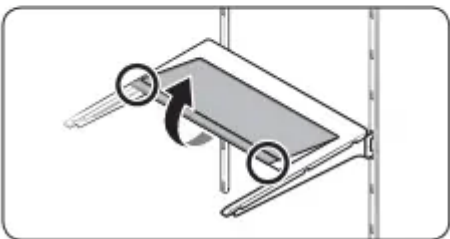
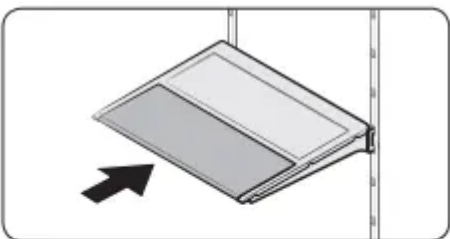
- To remove a shelf, fully open the corresponding door. Hold the front of the shelf, and then gently lift up and slide out



- To reinsert, hold the shelf at an angle so the front is higher than the back, and then insert the top hook into the top shelf notch. Then, lower the shelf and insert the bottom shelf hook into the bottom shelf notch.

### **Foldable shelf**

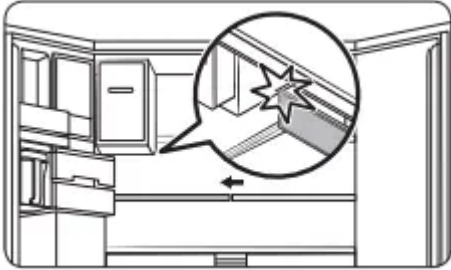
To remove, slide up the front of the shelf so that it folds. Then gently lift up and pull out. To reinsert, place the shelf on the angled frame in the main unit, and then, press down to unfold.



### **Recommended foldable shelf location**

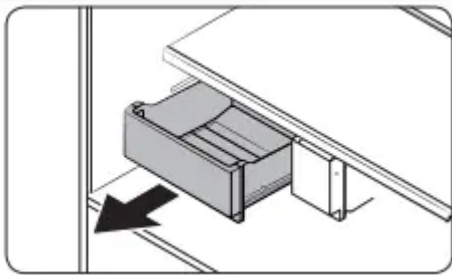
The foldable shelf folds up from the center, giving you more room for storage.

- Insert the shelf in the right side of the fridge. Left side insertion does not allow the shelf to fold completely.
- To fold, push the front area of the shelf inward so that it folds up from the middle.

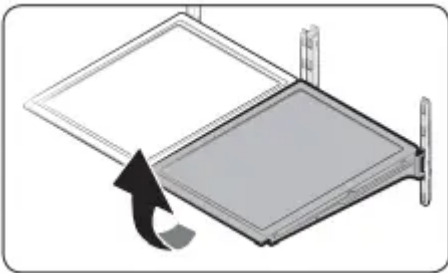


### Vegetable shelf

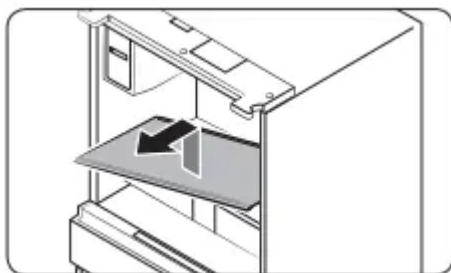
1. Slide out the left-side vegetable drawer.



2. Fully open the door, and then remove the shelf.

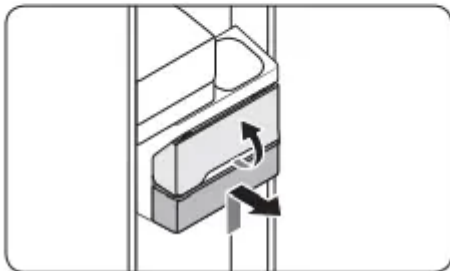
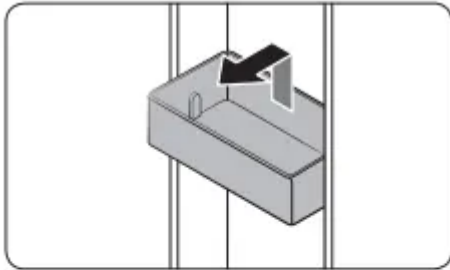


3. While supporting the vegetable shelf with one hand, slide it out with the other hand.



### Door bins

- To remove the top 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.

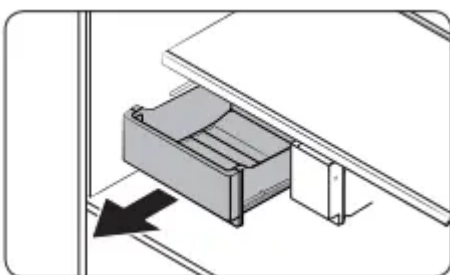


## Fridge drawers

### Vegetable / fruit drawers

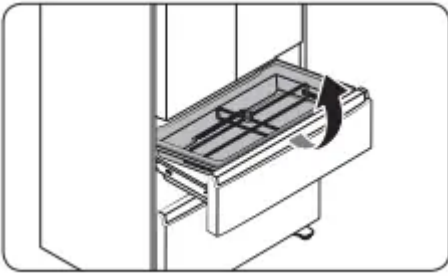
Gently lift up the front of the drawer and slide out.

- 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.



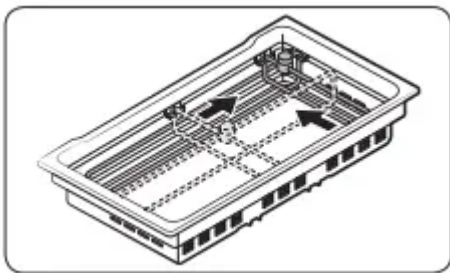
### FlexZone™ basket

- To remove, fully open the FlexZone™ drawer. Lift up the FlexZone™ basket, and then pull out with both hands.
- To reinsert, fully open the FlexZone™ drawer. While tilting up the front of the basket, insert the rear of the basket into the rail assembly. Lower the front until the basket settles down.
- If the divider lock does not function, wipe the bars to remove moisture on them

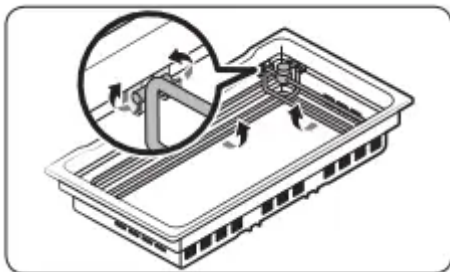


**To remove the divider and the metal cooling plate (applicable models only) from the FlexZone™ basket**

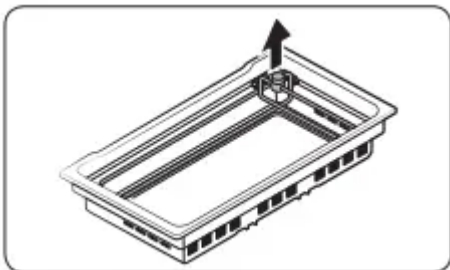
1. Unlock the divider by turning the divider dial counter clockwise.
2. Slide the divider to the end as shown.



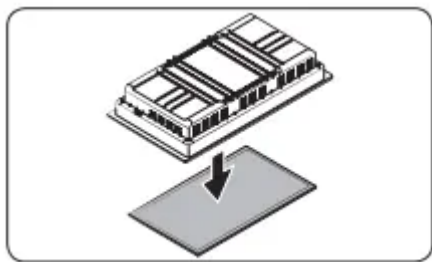
3. As the divider has the width and length bars, push the lower part of each bar inward to unlock. See the figures for details.



4. Hold the divider and pull up to remove.

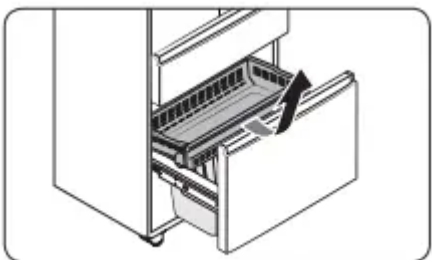


5. Turn over the basket to remove the metal cooling plate.



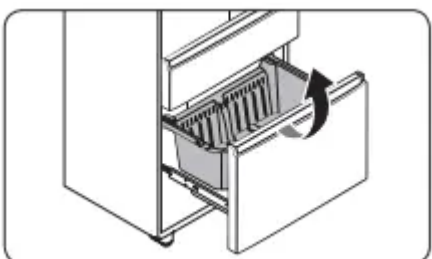
## Freezer baskets

### Upper basket



- To remove, fully slide open the freezer drawer. Push the upper basket to the end, and then pull up to remove.
- To reinsert, align the front wheels of the upper basket with the end of the lower basket. Slide the upper basket to the front.

### Lower basket



To remove, first remove the upper basket. Then, tilt up the front of the lower basket to pull out.

To reinsert, put the basket into the rail assembly with the rear side first.

## 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.

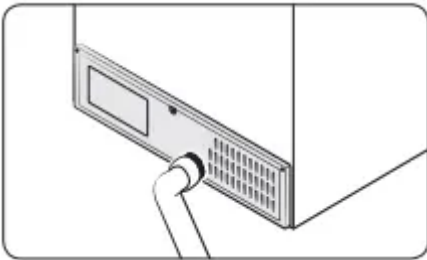
1. Unplug the power cord.
2. Use a moistened, soft, lint-free cloth or paper towel to clean the refrigerator's interior and exterior.
3. When done, use a dry cloth or paper towel to dry well.

4. Plug in the power cord.

### 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.

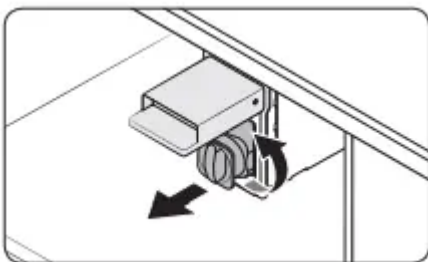
### Rear panel



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

### Water filter

The Filter Reset 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.

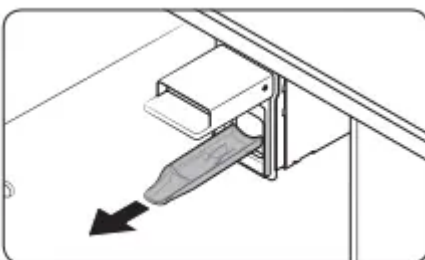


1. While opening the filter cover, turn the knob of the filter cartridge counter clockwise by 90 degrees (1/4 turn). The filter cartridge unlocks.

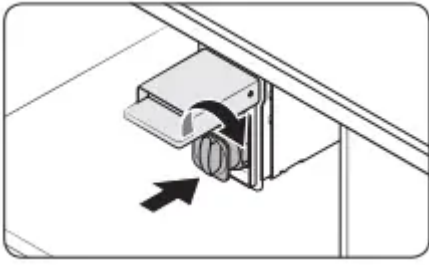
2. Pull out to remove the cartridge.

- If the water filter is severely contaminated, the cartridge may not be easily removable. In that case, use force to pull it out.

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



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



4. Turn the cartridge knob clockwise to lock into place.

5. Press and hold Filter Reset on the main panel for 3 seconds to reset the life cycle detector. The Filter Reset indicator (.) turns off.

6. 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.



### **Reverse osmosis water filtration system**

The water pressure of the water supply system to a reverse osmosis water filtration system must be between 35 psi and 120 psi (241 kPa and 827 kPa). The water pressure of the reverse osmosis water filtration system to the refrigerator's cold water line must be at least 40 psi (276 kPa). If the water pressure is below 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 the web site ([www.samsungparts.com](http://www.samsungparts.com)).

### **LED Lamps**

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

## Troubleshooting

Before calling for service, review the checkpoints below. Any service calls regarding normal situations (No Defect Cases) will be charged to users.

### **Fridge/freezer does not operate. Fridge/freezer temperature is warm.**

- Power cord is not plugged in properly.
  - Properly plug in the power cord.
- Temperature control is not set correctly.
  - Set the temperature lower.
- Refrigerator is located near a heat source or direct sunlight.
  - Keep the refrigerator away from direct sunlight or a heat source.
- Not enough clearance between refrigerator and nearby walls or cabinets.
  - 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.
- Energy Saver mode is activated.
  - Deactivate Energy Saver mode.
- The refrigerator is overloaded. Food is blocking the refrigerator vents.
  - Do not overload the refrigerator. Do not allow food to block vents.

### **Fridge/freezer is over-cooling.**

- Temperature control is not set correctly.
  - Set the temperature higher

### **Interior wall is hot.**

- Refrigerator has heat-proof piping in the interior wall.
  - To prevent condensation from forming, the refrigerator has heat-proof piping in the front corners. If the ambient temperature rises, this equipment may not work effectively. This is not a system failure.

### **Refrigerator has odors.**

- Spoiled food.
  - Clean the refrigerator and remove any spoiled food.
- Food with strong odors.
  - Make sure strong smelling food is wrapped airtight.

### **Frost around the vents.**

- Food is blocking the vents.
  - Make sure no food blocks the refrigerator vents. Frost on interior walls.

#### **Frost on interior walls.**

- Door is not closed properly.
  - Make sure food does not block the door. Clean the door gasket

#### **Condensation forms on the interior walls.**

- If door is left open, moisture enters the refrigerator.
  - Remove the moisture and do not leave a door open for extended periods of time.
- Food with high moisture content.
  - Make sure food is wrapped airtight.

#### **Water flow is weaker than normal.**

- Water pressure is too low.
  - Make sure the water pressure is between 30 to 120 psi (206 to 827 kPa).

#### **Ice maker makes a buzzing sound.**

- The ice maker function is activated, but the water supply to the refrigerator has not been connected.
  - Press Ice Maker.

#### **Ice maker does not make ice.**

- Ice maker has just been installed.
  - You must wait for 12 hours for the refrigerator to make ice.
- Freezer temperature is too high.
  - Set the freezer temperature below 0 °F (-18 °C) or -4 °F (-20 °C) in warm ambient air.
- Dispenser panel Lock is activated.
  - Deactivate dispenser panel Lock.
- Ice maker is off.
  - Turn on the ice maker.

#### **Ice does not dispense.**

- Ice may jam if the ice dispenser is not used for a long time (approx. 3 weeks).
  - If you won't be using the refrigerator for a long time, empty the ice bucket and turn off the ice maker.

- Ice bucket is not properly inserted.
  - Make sure the ice bucket is properly inserted.
- Water line is not connected properly or water supply is not on.
  - Check if the water line is installed correctly. Check if the water line stop cock is closed.

**Water does not dispense.**

- Water line is not connected properly or water supply is not on.
  - Check if the water line is installed correctly. Check if the water line stop cock is closed.
- Dispenser panel Lock is activated.
  - Deactivate dispenser panel Lock.
- A third-party water filter was installed.
  - Use only Samsung-provided or approved filters.
- Unapproved filters may leak and damage the refrigerator.
  - Water filter indicator turns on or blinks.
- Replace the water filter. After replacing, reset the filter indicator sensor.

**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.

**Could not find “Samsung Smart Home” in the app market.**

- The Samsung Smart Home app is available for smartphones that run Android 4.0 (ICS) or higher, or iOS 8.0 or higher.

### **The Samsung Smart Home app fails to operate.**

- The Samsung Smart Home app is available for applicable models only.
- The old Samsung Smart Refrigerator app cannot connect with Samsung Smart Home models.

### **The Samsung Smart Home app is installed but is not connected to my refrigerator.**

- You must log into your Samsung account to use the app.
- Make sure that your router is operating normally.
- Make sure that the Smart Home Dongle is inserted properly.
- If the Wi-Fi icon on the refrigerator's display is off, this indicates that no network connection has been established yet. In this case, use the Samsung Smart Home app to connect and register your refrigerator to the access point (AP/Router) in your home.

### **Could not log into the app.**

- You must log into your Samsung account to use the app.
- If you don't have a Samsung account, follow the app's onscreen instructions to create one.

### **An information message appears when I try to register my refrigerator.**

- Network connection may fail due to the distance from your access point (AP) or electrical interference from the surrounding environment. Wait a moment and try again.

### **The Samsung Smart Home app is successfully connected to my refrigerator but does not run.**

- Exit and restart the Samsung Smart Home app or disconnect and reconnect the router.
- Remove the Smart Home Dongle, and reconnect it properly. Then, try again.

#### **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.