

TOSHIBA

Frost Free Refrigerator/Freezer

Operation Instructions

Model

GR-RM631WE-PGX



- Thank you very much for purchasing this Toshiba product.
- Read this Owner's Manual and become completely familiar with the product before use in order to use this product safely and correctly.
- Keep this Owner's Manual in a handy place for future reference.
- Make sure that you received your warranty.

Safety information

Before the installation and use of the appliance, carefully read the supplied instructions. The manufacturer is not responsible if an incorrect installation or use causes injuries or damages. Always keep the instructions with the appliance for future reference.



WARNING: Risk of fire / Flammable materials

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.
- This appliance incorporates an earth connection for functional purposes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- **WARNING:** Fill with potable water only.
- **WARNING:** Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- **WARNING:** Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **WARNING:** When positioning the appliance, ensure the supply cord is not trapped or damaged.
- **WARNING:** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

Do not allow any sharp objects to come into contact with the refrigeration system behind and inside the refrigerator.

Do not block the area in the vicinity of the refrigerator.

In case the refrigerant circuit is damaged, do not use any electric appliances or fire equipment nearby, and open all windows to provide good ventilation. Please also contact your local maintenance agent to follow up.

- This appliance is intended to be used in household and similar applications such as:
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses and by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - catering and similar non-retail applications.
- The refrigerator might not operate consistently (frozen contents can thaw or temperatures can become too warm in the frozen food compartment) if sited for an extended period of time in a location where ambient air temperatures are constantly below the temperatures for which the appliance is designed.

Temperature rise during defrosting complies with ISO requirements. If you want to prevent an undue rise in the temperature of frozen food while the appliance defrosts, wrap the frozen food in several layers of newspaper.

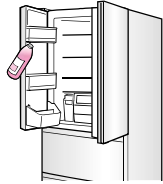
Effective temperature range

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

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

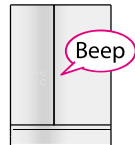
Questions Frequently Asked by Customers *check!*

Why not refrigerate?



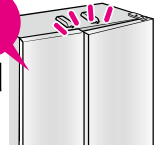
Page 35

How to use the touch panel



Page 11–
Page 15

Why won't the door stay closed and why is the door misaligned?



Page 10 and
Page 38

Food Storage Place and Temperature

Energize the power supply and wait for 3–4 hours for refrigerating before placing food.

The temperature value in the figure is measured at an ambient temperature of 32°C and a temperature adjustment position of [Medium], without food inside and when the refrigerator door is closed and the temperature is stable.

Refrigerator compartment (inside the refrigerator) [Please refer to Page 16.](#)

About 2–5°C

Cooked food, small articles for refrigeration, condiments, etc.



Refrigerator compartment (door pocket) [Please refer to Page 16.](#)

About 3–6°C

Condiments, canned foods, hosed condiments, milk, beer, juice, etc.



Fruit and vegetable compartment

[Please refer to Page 19.](#)

About 8–14°C

Sliding bin of fruit and vegetable compartment

Vegetables, fruits, etc.



Fruit and

vegetable container

Vegetables, fruits, bottles, etc.



Ice-making compartment (automatic ice maker)

[Please refer to Pages 23 and 24.](#)

Automatic ice making available



Freezer compartment

[Please refer to Page 20.](#)

About -18–-20°C

Frozen food, ice cream, etc.



Movable box

Quick cooling box

[Please refer to Page 17.](#)

Soft freezing, unfreezing, and chill fresh are all performed in the upper quick cooling box.

Chilling

About 0–3°C

Meat, fish, dairy products, processed foods, foods prone to be fermented or rotten, etc.



Chill fresh

About 1–-2°C

Meat, fish, processed meat foods, etc.



Frozen food storage compartment

[Please refer to Page 20.](#)

About -16–-18°C

Frozen food, etc.

Compartment that allows quick freezing and direct vegetable freezing

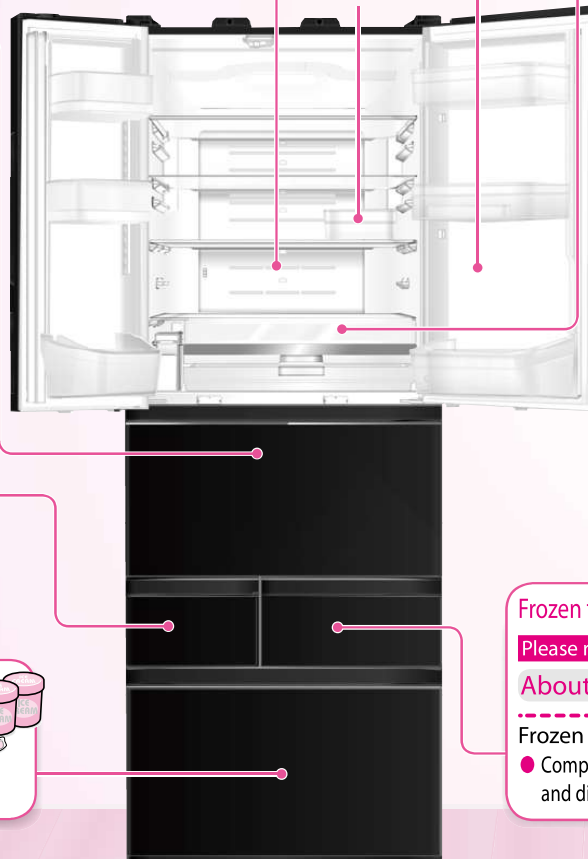
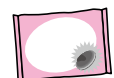


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R600a

About Refrigerant and Foam Insulation Materials

The refrigerator uses freon-free refrigerant (isobutane) and freon-free foam insulation material (cyclopentane) that do not deplete the ozone layer and cause no impact on the global greenhouse effect. The freon-free refrigerant is a flammable hydrocarbon. It is sealed in the [Refrigeration circuit] and will not leak during normal use. In case of accidental damage to the refrigeration circuit, please avoid using open flame and electrical appliances. Open the window for ventilation and then contact your dealer or call the service hotline.

Safety Precautions

Must be observed

The instructions contain important matters related to safe use to prevent injury or property damage to the user or others and enable the user to use the product safely and correctly. Please read the text after fully understanding the following content (signs and graphic symbols), and observe the contained matters.

Description of Identification Symbols



This pictograph indicates " Mishandling can lead to serious injury or death (*1)".



This pictograph indicates " Mishandling can lead to bodily injury (*2) or damage to property (*3)".

- *1: Serious Injury refers to personal injury in which there is sequelae or there is a need for hospitalization or long-term treatment in the hospital that is caused by blindness, burns, scalds, frostbite (high temperature and low temperature), electric shock, bone fracture, poisoning, etc.
- *2: Injury refers to wound, scalds, or electric shocks in which there is a need for hospitalization for treatment or long-term medical visits, etc.
- *3: Damage to Property refers to long-term injury to household property, raised animals or pets.

Description of Graphical Symbols



⊘ This pictograph indicates "prohibited" (No). The specific prohibited content are indicated in or near the graphic symbols with pictures or words.



ⓘ This pictograph indicates "always follow instructions" (Necessary). The specific necessary content are indicated in or near the graphic symbols with pictures or words.



⚠ This pictograph indicates "caution". The specific caution content are indicated in or near the graphic symbols with pictures or words.

Please read it carefully for safe and correct use of the product.

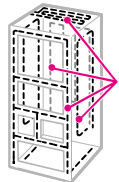
⚠ WARNING

Settings



Do not damage the refrigeration circuit

- Warning: Do not damage the refrigeration circuit. Otherwise, refrigerant may leak and cause a fire or explosion. In case of damage, do not touch the refrigerator, handle it according to the following relevant matters, and contact your dealer or call the service hotline.
 1. Open the window and replace the indoor air. (Do not use exhaust fan)
 2. Do not use open flame or electrical appliances.



Condenser (refrigerant circuit)



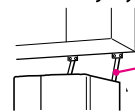
Do not get wet

- Do not place it in a damp location or a location prone to splashing water. This may cause a fire or electric shock.



Prevent tipping

- Take necessary measures to prevent the refrigerator from tipping over in case of earthquake or other external forces. The refrigerator may tip over and cause injury.

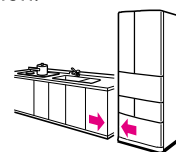


Anti-tipping measure



Reserve a certain space

- Warning: There is no obstruction around the appliance or in the embedded structure, and keep smooth ventilation. **Please refer to Page 9.** When the refrigerant leaks, it may stay in the air and cause a fire or explosion.



Safety Precautions ...Continued

⚠ WARNING

Power Plug/Power Cord

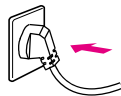
For the repair of power plug and power cord, please call the service hotline.
 "In case the power cord is damaged, it must be replaced by a professional from the manufacturer, its maintenance department or a similar department, in order to avoid danger."

Always Follow Instructions

- Please use a separate power socket that runs on 220V AC. The use of extended flexible cords or multi-pin sockets may cause a fire or electric shock.



- Ensure that the power plug is fully plugged into the socket. Incomplete plugging may cause electric shock or heat, resulting in a fire.

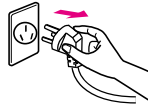


- Regularly remove dust from the power plug. Please unplug the power plug and wipe it with a dry cloth. Dust may cause a fire from poor insulation.



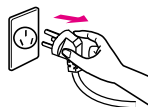
Be sure to hold the power plug to unplug.

- Please hold the plug and unplug it from the power socket. The power cord may be damaged when it is unplugged, resulting in a fire or electric shock.



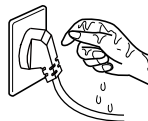
Unplug the plug

- When not in use for a long time, remove the food, and unplug the power plug from the socket.



No wet hands

- Do not unplug or plug the power plug with wet hands. This may cause an electric shock.

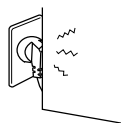


Do Not Do

- Do not use damaged power cords or power plugs, or when you feel loose when plugging them into the socket. This may cause a fire or electric shock.



- Do not damage or allow the back of the refrigerator to squeeze the power plug and power cord. When strapping, bending, placing a heavy object on it or squeezing the back of the refrigerator, damage to the power plug or power cord may cause a fire or electric shock.

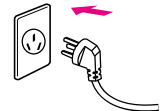


Power Plug/Power Cord

Always Follow Instructions

- Keep the plug cord facing downwards and plug the power plug.

Extruding or twisting cords by force may cause a fire or electric shock.



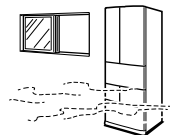
When abnormal

Always Follow Instructions

- Unplug the power plug and stop using it in case of abnormality or fault. This may cause a fire, electric shock, injury, or scald. If repair is required, contact your dealer or call the service hotline.



- Combustible gases [Liquefied petroleum gas (LPG), natural gas, etc.] In case of leakage, do not touch the refrigerator or power plug. Ventilate first. This may cause ignition and explosion by sparks at the electrical connection, resulting in a fire, injury and burn.

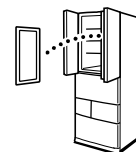


When Discarding the Refrigerator

Always Follow Instructions

- Please hand the refrigerator to be discarded over to the dealer or special discarding organization. If it is scrapped at will, the refrigerant and foaming layer materials may accidentally contact the fire source, which may cause a fire or explosion.

- Please remove the door seal when discarding. Not doing so may leave a child inside, causing an accident.



Safety Precautions ...Continued

⚠ WARNING

About Use



Do Not Do

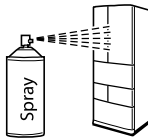
- Do not store explosives in the appliance, such as combustion supporting spray. Ether, gasoline, alcohol, combustion-supporting sprays and LPG may explode, causing an accident.



- Do not place medicines or academic samples in the refrigerator. Household refrigerators cannot preserve articles that are subject to strict requirements for temperature management.



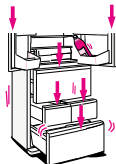
- Do not use flammable sprays nearby. This may catch fire and cause a fire.



- Do not eat foods that have a bad smell or are discolored. Foods preserved for a long time may deteriorate even if they are stored in the refrigerator. Food poisoning or other illnesses may occur if you eat foods that have a bad smell or are discolored.



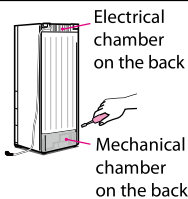
- Do not climb, hang, or sit on the door. If doing so, the refrigerator may overturn, the door may fall down, and your hands may be pinched.



- Do not place containers containing water on the refrigerator. The spilled water may reduce the electrical insulation, resulting in a fire or electric shock.



- Do not open the lower and upper rear covers on the back of the refrigerator. Do not put your hands into the mechanical chamber and electrical chamber. This may cause a burn, injury, or electric shock.



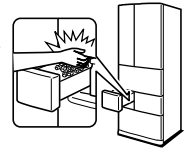
- Warning: The electrical appliance shall not be used in the food storage room of the appliance except for the types recommended by the manufacturer. The leaked refrigerant may cause a fire and explosion accident.



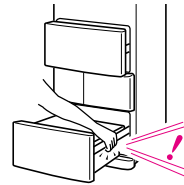
Do Not Touch

- Do not touch the ice-making part of the automatic ice maker (upper side of the ice-making compartment).

This may cause injury when the ice tray rotates.



- Do not touch the metal guide rails of freezer compartment and fruit and vegetable compartment. The moving guide rail may pinch your fingers, resulting in an injury.



Do not flush with water

- Do not flush with water on or inside the refrigerator.

This may impair electricity insulation, causing a fire or electric shock.



Do Not Disassemble

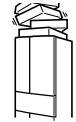
- Do not dismantle, modify, or repair the refrigerator by yourself. This may cause a fire, electric shock, injury, or scald. This may also cause a fire and explosion accident because of the damage to the refrigeration circuit.

If repair is required, contact your dealer or call the service hotline.



Do Not Do

- Do not place articles on the refrigerator. The article may fall off when the refrigerator door is opening or closing, causing an injury.



Unplug the plug


- Unplug the power plug when cleaning. Not doing so may cause a fire or electric shock.







Safety Precautions ...Continued

⚠ CAUTION

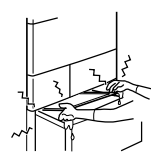

Precautions

- 

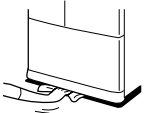
Do Not Do

 - Do not allow foods to go beyond the shelf. The foods may be hooked by bottles and fall off, resulting in damage. 
 - Do not place bottles in the freezer compartment. The bottles may be frozen and cracked, resulting in damage. 
 - Do not place bottles that cannot be placed to the bottom in the front row of the double-bottle pocket. Bottles may fall off and cause damage when the refrigerator door is opening or closing. 
- 


No wet hands

 - Do not touch food and containers (metallic) in the freezer compartment and frozen food storage compartment with wet hands. Low temperature may cause frostbite. 
- 

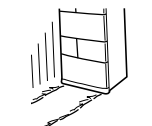

Do Not Touch

 - Do not put your hands and feet into the refrigerator bottom. This may cause an injury by iron plates. 

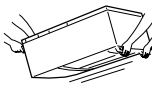
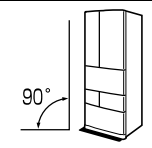
Precautions for Handling and Moving

- 


Do not use

 - Do not use casters at the bottom of the refrigerator on vulnerable floors. This may damage the floor. Lay a protective sheet, etc. when move the refrigerator. 
- 

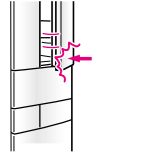
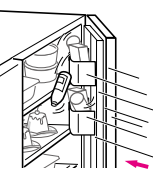

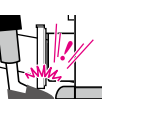

Always Follow Instructions

 - Please use the handling handles on the front lower side and the back upper side during handling. This may cause an injury due to slipping of hands. 
 - Install the refrigerator on a stable and solid floor. Unstable places are prone to tipping over, resulting in injury. 

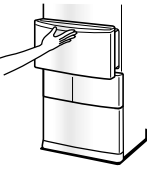
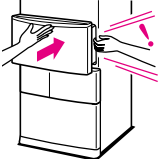
Precautions for Door Opening/Closing

- 

Do Not Do

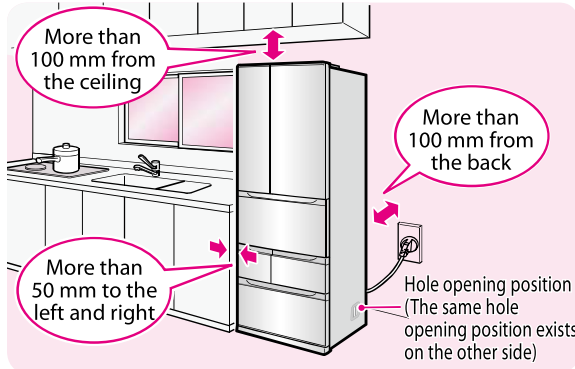
 - Do not close the refrigerator door by squeezing with your back. This is prone to cause a personal injury accident. 
 - Do not close the door forcibly. Foods may fall off, resulting in an injury. 
 - Do not open or close the fruit and vegetable compartment door while grasping the door handle of the refrigerator. Fingers may be pinched in the door gap, resulting in an injury. 
 - Do not put your feet close to the door of the freezer compartment. Feet may be pinched in the door gap, resulting in an injury. 
- 

Always Follow Instructions

 - Grasp the handle when closing the refrigerator door. If you grasp the upper handle, your fingers may be pinched. 
 - Please confirm whether fingers may be pinched by the door when you open or close the door or when someone else comes into contact with the refrigerator. The gap between the refrigerator doors may pinch fingers, resulting in an injury. 

Installation Method

1 Installation



Where to Install your Refrigerator

A place where there is no heat or direct sunlight

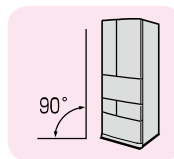
- This protects against a decrease in cooling power and saves on electricity bills.

Place it in a flat, dry, and well-ventilated place.

- This protects against a condensation and rusting.

This may cause a vibration (noise).

When there are carpets, flooring, and PVC products on the ground, the heat at the bottom of the refrigerator will cause discoloration. Pave solid wooden boards.



Leave a space around

- Too small space will reduce the cooling capacity and prolong the refrigeration time, and thus you have to spend more on electricity bills.
- When the refrigerator is close to the wall, it may produce vibrations and discolor the wall. Leave a space between the wall and the refrigerator.
- Do not block the hole opening position.

CAUTION

- Noise or image disorder may occur in telephones, walkie-talkies, radios, and TVs due to different installation status of the refrigerator. In this case, please keep these devices as far away from the refrigerator as possible.

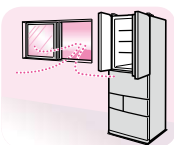
Maintenance

Wipe the refrigerator interior

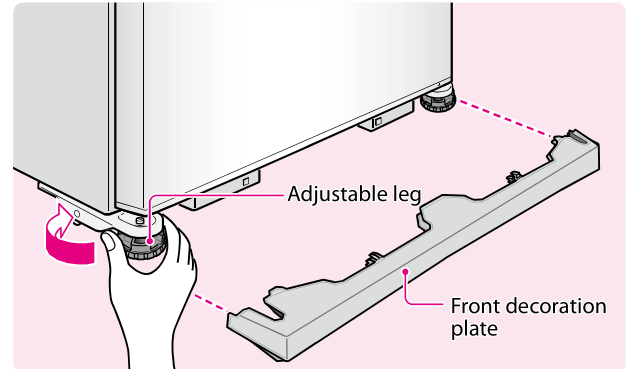
- The food storage containers, guide rails, and other components in the refrigerator are coated with lubricants that conform to the *Food Sanitation Law* in Japan for convenient use.

If the lubricant is accidentally stained on any part other than the storage container or guide rail, please wipe it off with a soft wet cloth.

It may smell of plastic when you start to use it. The smell will gradually disappear when the room is ventilated.



2 Fixation

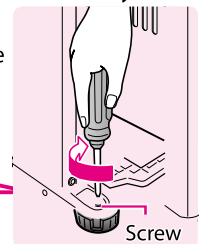


1 Adjust the adjustable leg

- Rotate the adjustable leg on the left and right sides as indicated by the arrow to allow them to contact the ground and that the refrigerator does not wobble.

When the adjustable leg fail to be rotated by hand

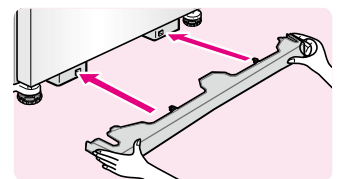
- Please open the freezer compartment door and rotate the adjustable leg screw with a screwdriver or other tools.



If the adjustable leg screw is turned excessively, the screw may fall out of the screw hole.

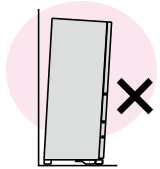
- If the refrigerator fails to be leveled by rotating the adjustable leg, please lay a pad under the refrigerator.

2 Install the front decoration plate at the specified position.



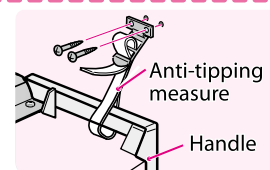
CAUTION

- The refrigerator shall be fixed horizontally to avoid tilting forward, resulting in the failure of the door to be fully closed.



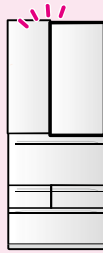
Take anti-vibration measures

It is recommended to fix the refrigerator on a solid wall or column by passing a chain or belt through the left and right handles above the back of the refrigerator, to prevent the refrigerator from tipping over.

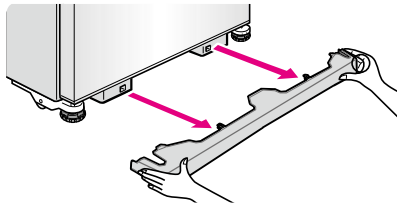


3 Adjustment

- The refrigerator door will sag a few days later due to the state of the floor and the weight of food. If so, please adjust the parallelism of the door again.

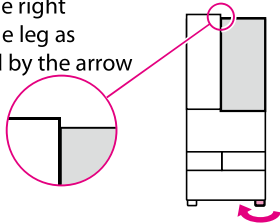


1 Remove the front decoration plate

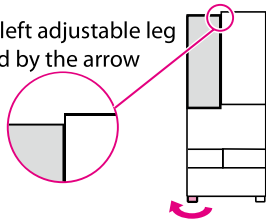


2 Adjust the parallelism of the door

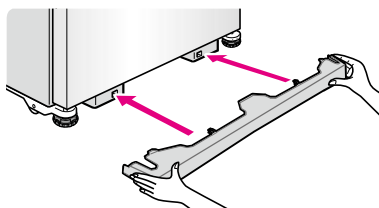
- If the right side of the door is sagging
Rotate the right adjustable leg as indicated by the arrow



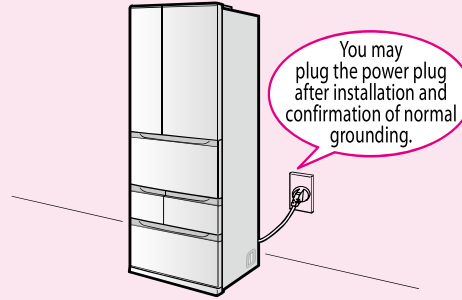
- If the left side of the door is sagging
Rotate the left adjustable leg as indicated by the arrow



3 Install the front decoration plate at the specified position.



4 Plug the Power Plug



1 Plug the power plug into the power socket. (Please use a separate power socket that runs on 220V AC)

2 Please confirm whether it is set at "Demonstration mode"

- The refrigeration system does not run when it is set at "Demonstration mode".
- Brightness adjustment of the touch panel

Please refer to Page 33.

Grounding Method

Grounding safety measures must be taken to prevent electric shock.

When the refrigerator installed in a place with much water vapor or moisture

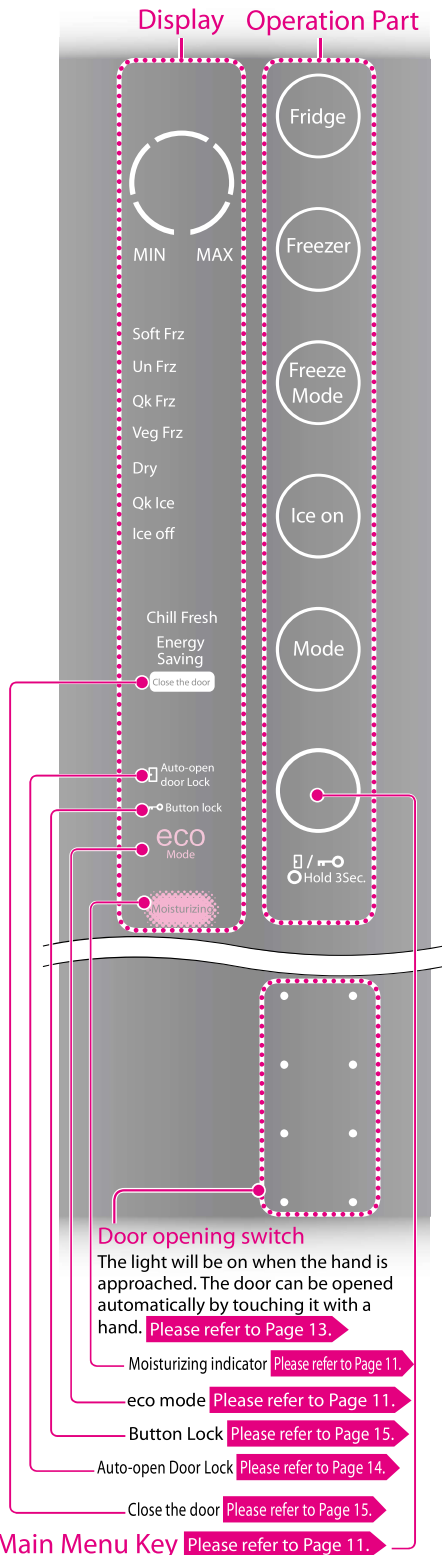
Be sure to effectively connect the ground wire.

Especially when the refrigerator is installed in a place with much moisture, an electric leakage prevention device shall be installed in addition to connecting the ground wire.

Functions of Touch Panel

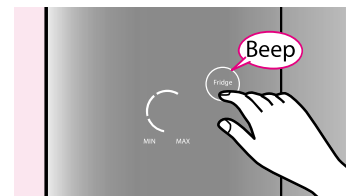
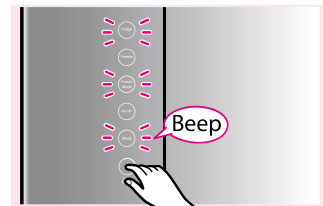
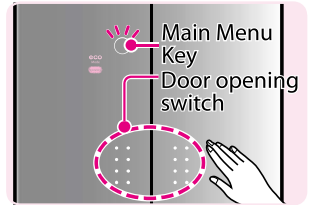
Basic Use Method (Normal Light-off Mode) At the beginning of use, the refrigerator has been set to normal-off mode by default.

The content of the diagram will not display in full during use and are for illustration only.



The touch panel normally lights off when there is no operation.

- Put your hand close to the lower part of the refrigerator compartment door, The door opening switch and main menu key will light up.
 - The operation part of the touch panel will light up by tapping the main menu key.
- When you tap the main menu key, the operation part of the touch panel will light up.
 - Even if you touch with force, the sensing effect is the same.
- Select the operation to be performed. The touch panel lights off after 10s of operation interruption.



- Notes**
- When the refrigerator compartment door is open, even if you tap the main menu key, the operation part of the touch panel still cannot be operated.
 - The main menu key can also keep the normally on mode.

[Please refer to Page 13.](#)

In the following cases, the operation part of the touch panel may not respond.


- The time interval of tapping is too short (i.e. the key is tapped too fast).
- The operation part of the touch panel is wet or dirty (stained with oil or food, etc.)
- The temperature and humidity of the surrounding environment, the physical condition of the user, and the operating state of the surrounding electrical products will lead to different responses.

eco Mode and Moisturizing Indicator


It will display when the refrigerator compartment door is open or the main menu key is tapped.

It will not display when the door is open and close for several times or at the moment when the power supply is energized.

eco mode

 When the indicator is light up, it indicates that the refrigerator is in a stable refrigeration state and runs with a small amount of electricity.

Moisturizing indicator

 When the indicator is light up, it indicates that the refrigerator is conveying moist cold air to the refrigerator compartment, quick cooling box and fruit and vegetable compartment.



- Notes**
- The eco mode and Moisturizing indicator are only used to indicate the operation status of the refrigerator, and their UP/OFF cannot be set forcibly.




When you adjust the brightness of touch panel... [Please refer to Page 33.](#)

Temperature Adjustment

How to use




Refrigerator compartment

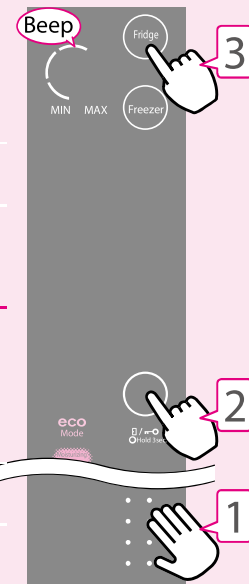
The temperature of the quick cooling box and the fruit and vegetable compartment will also change at the same time when the temperature of the refrigerator compartment is adjusted.

- Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key  lights up.
- Tap the main menu key  to light up the touch panel.
- Tap  repeatedly to set the desired temperature position.
 - ▶ The setting is completed when the desired temperature position lights up.

Freezer compartment

The temperature of the frozen food storage compartment will also change at the same time when the temperature of the freezer compartment is adjusted.

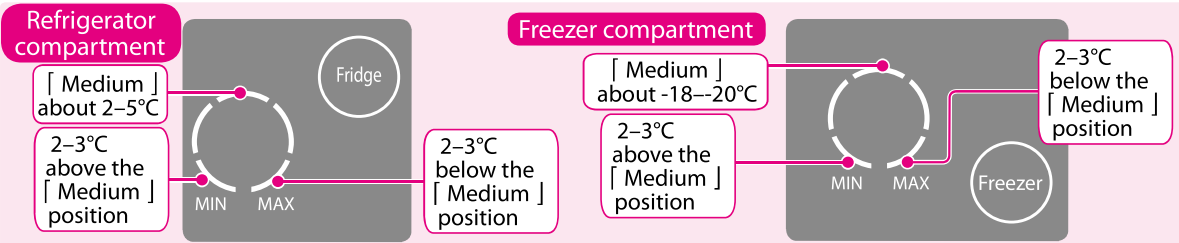
- Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key  lights up.
- Tap the main menu key  to light up the touch panel.
- Tap  repeatedly to set the desired temperature position.
 - ▶ The setting is completed when the desired temperature position lights up.



(The content of the display panel are for illustration only)

Display of temperature adjustment position and temperature in the refrigerator

(The temperature value in the figure is measured at an ambient temperature of 32°C and a temperature adjustment position of [Medium], without food inside and when the refrigerator door is closed and the temperature is stable.)

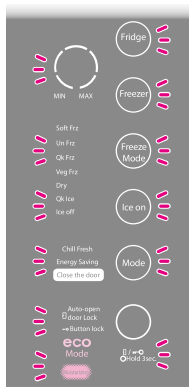


Notes

- The display of the temperature adjustment position turns off after the touching operation is interrupted for 10s.
- The temperature cannot be adjusted when the refrigerator is in the Energy Saving mode. (Release of Energy Saving mode... [Please refer to Page 25.](#))
- Do not adjust the temperature of the refrigerator compartment when it is in chill fresh state. (Release of chill fresh... [Please refer to Page 18.](#))




Release Demonstration Mode

Please confirm whether the touch panel is set at "Demonstration mode" if the refrigerator does not refrigerate when the temperature is adjusted. The display of the panel changing from top to bottom indicates that it is in Demo mode. At this time, the refrigerator does not refrigerate.



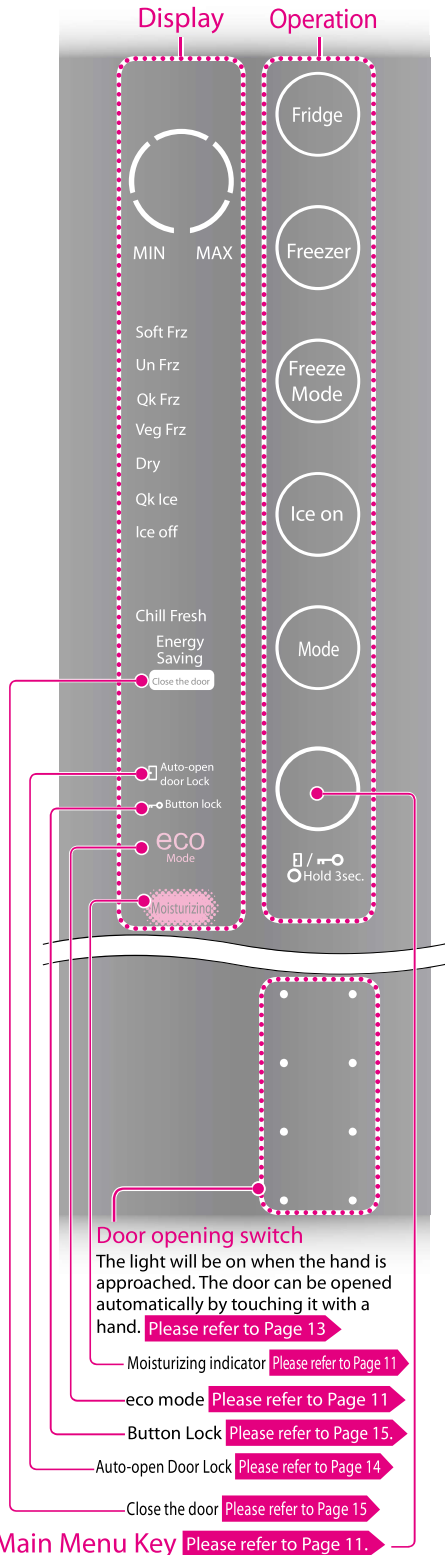
(The content of the display panel are for illustration only)

How to release the "Demonstration mode"

- Tap the main menu key  to light up the touch panel.
- Tap  and  at the same time for 3s, until you hear a beep prompt tone.
 - ▶ The panel start displaying relevant contents, and the demo mode is released.

Functions of Touch Panel ...Continued

The content of the diagram will not display in full during use and are for illustration only.

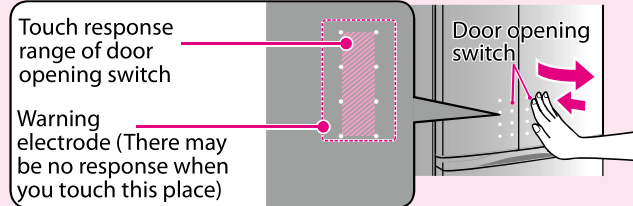


Door opening switch

When you touch the door opening switch, the door automatically opens.

Automatic Door Open

When you put your hand close to the lower part of the refrigerator compartment door, the door opening switch will light up. When you touch the door opening switch, the door automatically opens.








Notes

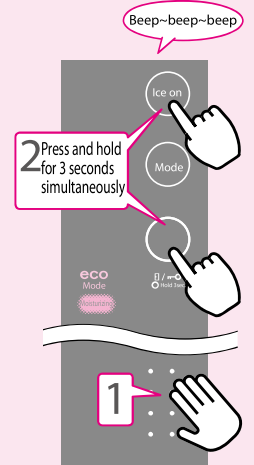
- Even if you touch the left and right door opening switches at the same time, the doors will be opened in turn from the side where the switch senses first.

When Door Opening Switch and Main Menu Key is Normally On (Normal Light-on Mode)

Now, the door opening switch and main menu key  will keep lighting up.

Setting method



- 1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key  lights up.
Tap the main menu key  to light up the touch panel.
- 2 Press  and  at the same time for 3s, until you hear a "beep~beep~beep" prompt tone.
▶ The main menu key  and the door opening switch will light up.




(The content of the display panel are for illustration only)

Release method

Tap the main menu key  to light up the touch panel.

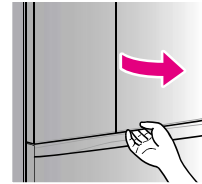
Press  and  at the same time for 3s, until you hear a "beep~"

- ▶ The main menu key  and the door opening switch will light off.

When "Automatic Door Open" is not used Auto-open Door Lock

Disable the door opening switch to prevent children from maloperation.

※ It can be set at the same time as Button Lock Button Lock.

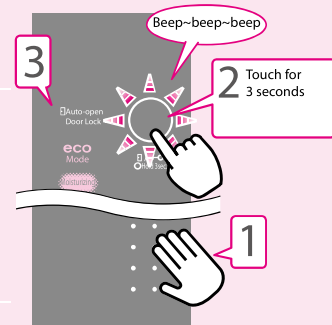


Setting method

1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key lights up.

2 Tap the main menu key for 3s, until you hear a "beep~beep~beep" prompt tone.

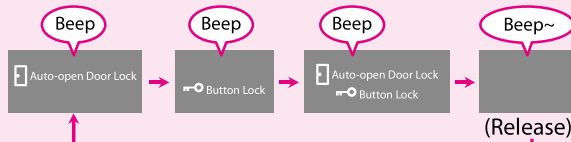
▶ The indicator blinks. 



(The content of the display panel are for illustration only)

3 Tap the main menu key repeatedly to enable the Auto-open Door Lock to light up.

▶ Each time this key is tapped, the display will be switched as shown in the figure below.



About 10s after the operation is completed, lights up, and the setting is completed.

▶ Door opening switch lights off. When it is set at Auto-open Door Lock, and Auto-open Door Lock will light up.

Notes ● It is impossible to perform Auto-open Door Lock of one side door.

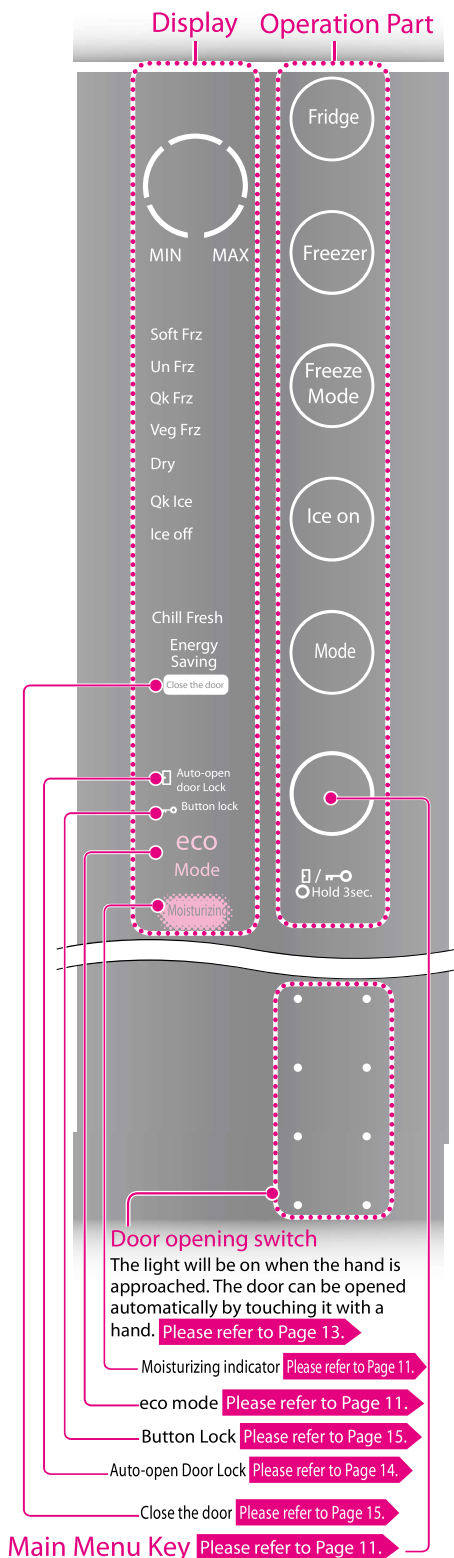
Release method

1 Tap the main menu key for 3s, the indicator blinks, and a "beep~beep~beep" prompt tone is heard.

2 Tap the main menu key repeatedly to enable Auto-open Door Lock to light off.

Functions of Touch Panel ..Continued

The content of the diagram will not display in full during use and are for illustration only.



Button Lock ↔ Button Lock

Disable the door opening switch to prevent children from maloperation.
※ It can be set at the same time as Button Lock Auto-open Door Lock.

Setting method

- Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key lights up.
 - Tap the main menu key for 3s, until you hear a "beep~beep~beep" prompt tone.
 - ▶ The indicator blinks. Beep~beep~beep
 - Tap the main menu key repeatedly to enable the ↔ Button Lock to light up.
 - ▶ Each time this key is tapped, the display will be switched as shown in the figure below.

Beep Beep Beep Beep~

Auto-open Door Lock ↔ Button Lock Auto-open Door Lock ↔ Button Lock

(Release)
- About 10s after the operation is completed, lights up, and the setting is completed.
- ▶ After the setting is completed, there is no response when you operate on the touch panel. When is set at Button Lock, ↔ Button Lock will light up.

Release method

The operation steps are the same as the setting method, until ↔ Button Lock lights off.

- Notes**
- ▶ ↔ Button Lock Operations other than releasing locking cannot be performed during the setting process. If other operations are performed, ↔ Button Lock will blink 3 times to prompt that the operation is unavailable. Beep~beep~ Light blinks 3 times

Close the Door

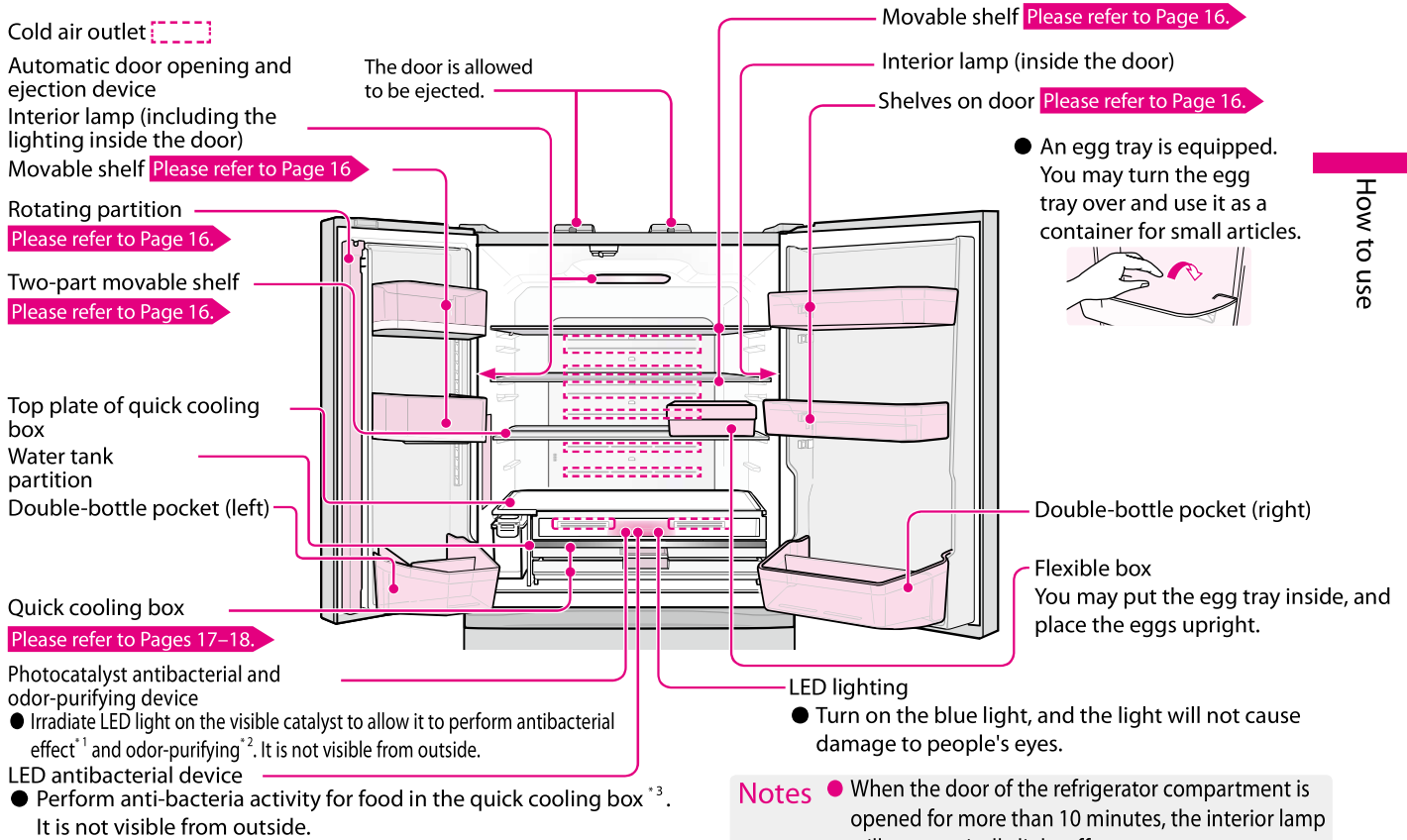
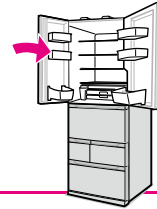
When any door of the refrigerator compartment, ice-making compartment and freezer compartment is open for more than 1 minute, the Close the door indicator will blink and a prompt tone (as shown in the table below) is heard.

Time when the door is open	Prompt tone
1 or 2 minutes later	Give prompt tone for 7 times
3 minutes later	Give prompt tone continuously.

The prompt tone will stop and the Close the door indicator will light off as long as the door is closed.

- Notes**
- ▶ No prompt tone will be given when the door is opened a little. (e.g. food stuffed too full, or when the food bag is clamped)

Refrigerator compartment



How to use

Notes ● When the door of the refrigerator compartment is opened for more than 10 minutes, the interior lamp will automatically light off.

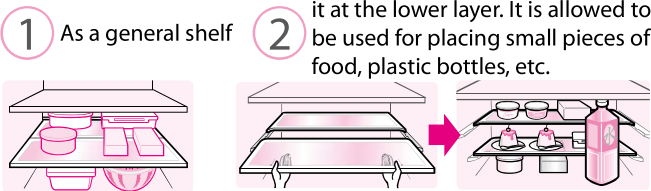
CAUTION ● Food, eggs, and beverages with high moisture are easy to freeze when placed in front of the cold air outlet. Place in the front of the shelf. (especially carbonated drinks, which may break when frozen)

Two-part movable shelf

- The front shelf is allowed to be installed on the lower layer for use and for placing foods with a high height. (Disassembly method Please refer to Page 27.)



The glass shelf is heavy and must be taken with both hands. Remove the front shelf and install it at the lower layer. It is allowed to be used for placing small pieces of food, plastic bottles, etc.

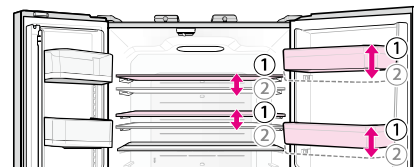


Door pocket and movable shelf

- The door pocket and movable shelf are allowed to be adjusted in two layers according to the height of food. (Disassembly method Please refer to Page 27.)

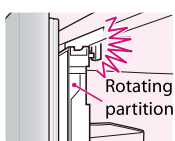


The glass shelf is heavy and must be taken with both hands.

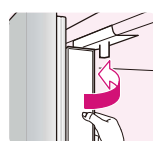


Rotating partition

- After the rotating partition is lifted, please be sure to restore it to its original position.



The rotating partition is lifted



Restore the rotating partition to its original position.

^{*1} Antibacterial effect of photocatalyst antibacterial and odor-purifying device

- Test organization: Kitasato Research Center for Environmental Science
- Test method: Place the strain in a 410 L test box and measure the change of bacterial count after photocatalyst acts.
- Action objects: Fruit and vegetable compartment, refrigerator compartment, and quick cooling box
- Test results: It is confirmed that the antibacterial effect is above 99%. The test results are not an empirical antibacterial effect of the actual use space.

^{*2} Odor-purifying effect of photocatalyst antibacterial and odor-purifying device (TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION conducted an odor purification test)

- Purify the odor by decomposing odor molecules. Not all tastes are completely removed.

^{*3} Antibacterial effect of LED antibacterial device (test is conducted on the same Japanese model R-600FZ)

- Test organization: Kitasato Research Center for Environmental Science
- Test method: Drop the bacterial solution into the upper rapid chilling refrigerator box, recover it after 72 hours and test.
- Effect on object: quick cooling box
- Test results: It is confirmed that the antibacterial effect is above 99%. The test results are not an empirical antibacterial effect of the actual use space.

Refrigerator Compartment ...Continued

Quick Cooling Box

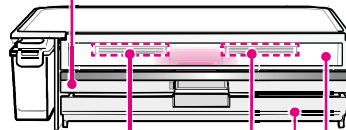
Fresh food such as meat and fish, processed food, etc. are allowed to be placed. Its preservation temperature is lower than that of the refrigerator compartment.

Upper quick cooling box

- Soft freezing, unfreezing and chill fresh.

Please refer to Pages 17-18.

It is usually used as a quick cooling box.



Cold air outlet

Lower quick cooling box

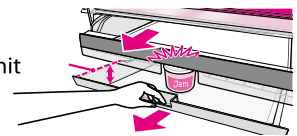
Quick cooling box lid

CAUTION

- Please do not exceed the upper storage limit shown in the figure below when putting food into the lower quick cooling box.

When the lower quick cooling box is pulled out, the food inside will contact the upper quick cooling box, which may be pulled out together. Forcibly pulling it out may cause damage to the components of quick cooling box.

Upper storage limit



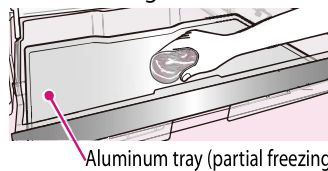
Application of Soft Freezing and Unfreezing Functions

Soft freezing

It allows quick refrigeration of fresh food such as meat and fish without freezing.

1 Preparation

- Place the food on an aluminum tray (partial freezing) in the upper quick cooling box.



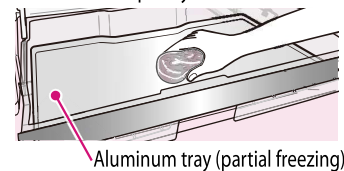
Aluminum tray (partial freezing)

Unfreezing

Thaw frozen foods such as meat and fish to cookable hardness, and use them when you want to unfreeze quickly.

1 Preparation

- Place the food on an aluminum tray (partial freezing) in the upper quick cooling box.



Aluminum tray (partial freezing)

Notes

- It is acceptable for placing other food on aluminum trays (partial freezing).

CAUTION

- Food with high moisture are easy to freeze when placed in front of the cold air outlet. Please place with a certain distance.

2 setting

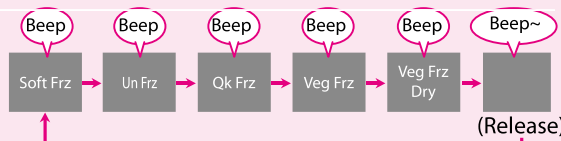
The operation method for **Soft freezing** and **Unfreezing** are the same.

Setting method

- Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key lights up.

- Tap the main menu key to light up the touch panel.

- Tap repeatedly to set the desired function.



Each time this key is tapped, the display will be switched as shown in the figure above.

The setting is completed when the required function lights up.

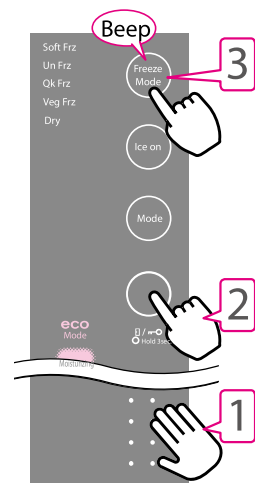
After the automatic operation ends, the indicator lights off.
Soft freezing..... about 120 minutes
Thawing..... about 60 minutes

- Foods subject to soft freezing or unfreezed foods are allowed to be always placed on the aluminum tray (partial freezing).
- In the following occasions, unfreezing cannot be completed within the set time.
 - When the food is thick or stacked by overlapping
 - When unfreeze immediately after chill fresh mode

When stopping halfway

The same as the operation method of setting

Tap repeatedly to enable the corresponding function to light off.





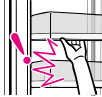


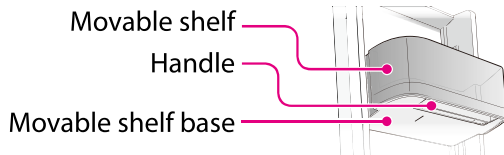
(The content of the display panel are for illustration only)

Notes

- Soft freezing, unfreezing, quick freezing, vegetable freezing, and vegetable freeze drying cannot be set at the same time.

Movable Shelf

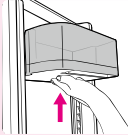
 Do Not Do	Do not disassemble, modify, or repair the refrigerator by yourself.
	Do not climb on the movable shelf or its base.
	Do not wash the movable shelf base with water. Please wipe with water or dry cloth.
 Always Follow Instructions	After removing the movable shelf, do not place seasonings or beverage bottles on the shelf base. 
	Otherwise, the food may fall and cause injuries.
 Always Follow Instructions	When installing the movable shelf and its base, please make sure that there are no articles placed on the shelf and its base.
	When moving or disassembling, please operate gently and be careful not to pinch your hands. Otherwise, it may cause damage to the components or personal injury. 



The movable shelf can be adjusted according to the height of food.

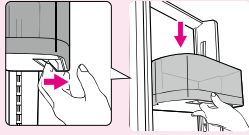
(Disassembly and assembly method [Please refer to Page 31.](#))

When the movable shelf rises

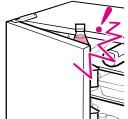
Hold the movable shelf base by hand and push it upward to move it to the desired position. 

When the movable shelf is lowered

Grasp the handle at the bottom of the movable shelf base and pull it forward so that the movable shelf can be lowered. Move it to the desired position and then release the handle.

If there are articles in the movable shelf that get stuck, hold the handle and lift it up gently before lowering. 

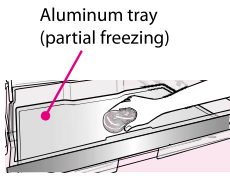
CAUTION

- When there is food on the shelf, please move it gently. (Otherwise, the food may fall and cause injuries)
- When adjusting the height of the movable shelf, if there is a "click" sound, it means that it is installed in place. (Otherwise, the components may fall and cause injuries.)
- Do not place food or seasonings too high to avoid door blocking. (Otherwise, the food may fall and cause injuries) 

Use of Chill Fresh Function

Meat, fish, and processed meat foods can be preserved for a longer time with chill fresh than that with soft freezing.

1 Preparation




- Place the food on an aluminum tray (partial freezing) in the upper quick cooling box. Other food that does not need chill fresh and is easy to freeze can be placed on the movable shelf. 

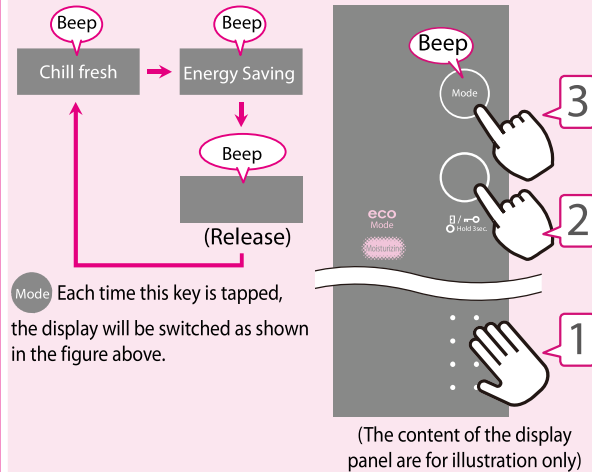
Notes

- Food, eggs, and beverages with high moisture are easy to freeze. (especially carbonated drinks, which may break when frozen)
- Food placed on the top plate of the quick cooling box is prone to freeze. Please move these food elsewhere first.
- Frosting may occur on the surface of food or dairy products with high moisture.

2 Setting

Setting method


- 1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key  lights up.
- 2 Tap the main menu key  to light up the touch panel.
- 3 Tap  repeatedly to enable **Chill fresh** to light up.



▶ The setting is completed when the chill fresh function lights up. After the setting is completed, the quick cooling box remains in a chill fresh state.

When stopping halfway

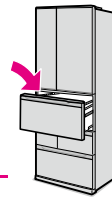
The same as the operation method of setting

Tap  repeatedly to enable **Chill fresh** to light off.

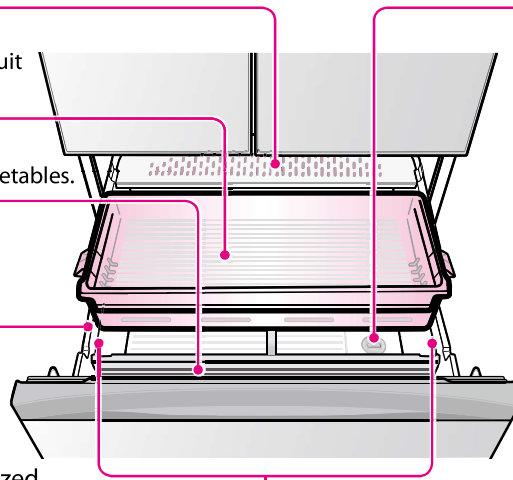
Notes

- When it is set to chill fresh, the temperature of the refrigerator compartment is not allowed to be adjusted. If you need to adjust the temperature of the refrigerator compartment, please stop chill fresh first.
- When the chill fresh is set on the premise that it has been set to soft freezing or thawing, the low-temperature chilling will start again after the partial freezing or unfreezing is completed.
- When the chill fresh is set on the premise of Energy Saving, the automatic electricity saving will be released.

Fruit and Vegetable Compartment



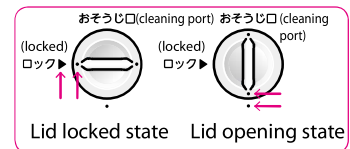
Moisture permeable box
 Moist cold air can be delivered to the fruit and vegetable compartment.
 Sliding bin of fruit and vegetable compartment
 Allow to store small-sized fruits and vegetables.
 Bottle placing area
 Allow to store 2 L bottled drinks, etc.



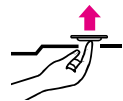
Fruit and vegetable container
 Allow to store large- and medium-sized fruits and vegetables.
 • Seasoning bottles, etc. are allowed to be placed vertically in the right concave part.
 • There is a partition in the box. Do not remove it by yourself.

Upper storage limit (represented by raised line)

Cleaning port lid is located at the bottom of the fruit and vegetable container, making it convenient for cleaning the broken leaves and other garbage in the container.



When the lid cannot be removed, you can open the fruit and vegetable compartment, put your hand under the fruit and vegetable compartment, and push the lid out by hand.



※ After cleaning up the garbage, please be sure to reset and lock the lid, otherwise it will cause water loss in the fruit and vegetable compartment.

- Notes**
- It is normal that the food in the vegetable container sometimes shows condensation on its surface.
 - Moisture in vegetables will sometimes condense or accumulate in the container. If there is condensation or accumulated water, please wipe it with a dry cloth.
 - Even if the door of the fruit and vegetable compartment is not fully closed, no prompt tone for closing the door will be given. [Please refer to Page 15.](#)

CAUTION

- When there is accumulated water in the fruit and vegetable compartment, please wipe it clean with a dry cloth to avoid affecting food.
- Condensation will occur when the moisture permeable box is blocked by food bags and boxes. Please wipe them clean with a dry cloth.
- Please seal rice, seaweed, and other foods that prefers a dry environment with containers or bags first before placing them in the fruit and vegetable compartment.
- The preserve status of vegetables and fruits varies with their storage amount, type and freshness.
- A high humidity may not be maintained when there is a small amount of food stored in the fruit and vegetable compartment.

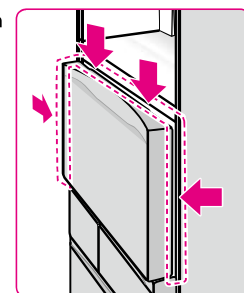
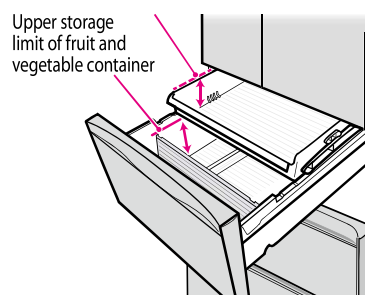
In these cases, it is recommended to use plastic wrap or plastic bags.

- When you desire no condensation on the food surface
- Avoid cross-flavoring when you preserve green onions, leeks, celery, and other vegetables with pungent smell
- When you preserve leafy vegetables that are easy to dry for a long time

- Do not exceed the upper storage limit shown in the right figure when you store food. Otherwise, the gap between the door seals resulted from the failure of the door to be fully closed will not only reduce the refrigeration performance and cause condensation, but also may damage the components.

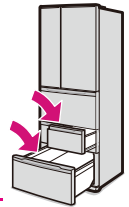
If the food is stored exceeding the upper storage limit, the door will not be fully closed. (cause a gap)

Upper storage limit of sliding bin in fruit and vegetable compartment



State of causing a gap
 ※ For the convenience of illustration, the representation of the refrigerator compartment door is omitted in the figure.

Frozen Food Storage Compartment and Freezer Compartment



How to use

Aluminum tray
Available for quick freezing.
Please refer to Page 21.

Please keep it in the factory installation state during normal use.

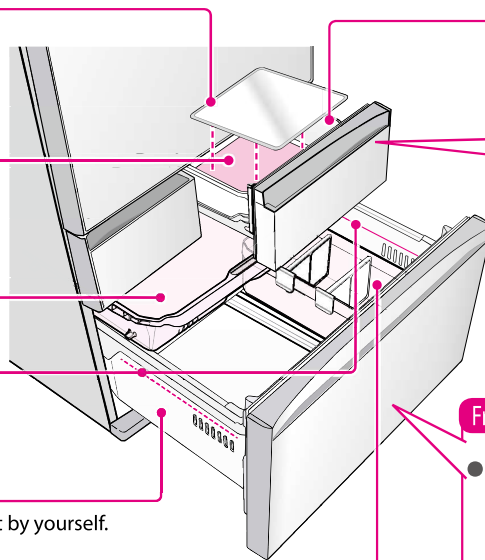
Vegetable freezing insulation pad
To be used for vegetable freezing and vegetables freeze drying
Please refer to Page 21.

Freezer compartment slide box

Upper storage limit
On both sides of the storage container (represented by raised line)

Storage container
• There is a partition in the box. Do not remove it by yourself.

Frozen storage box
It contains 2 partitions for orderly arrangement of frozen food.



Freezing container

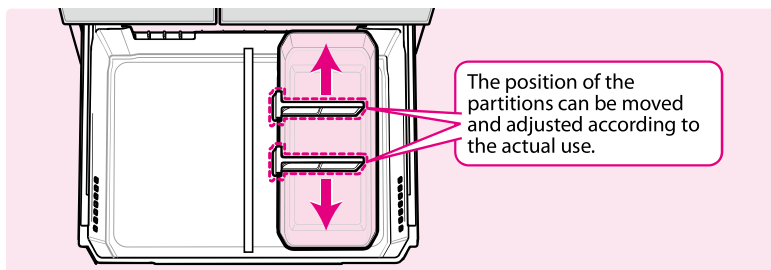
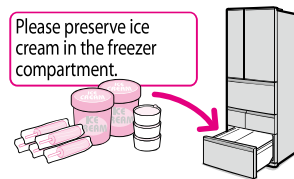
Frozen food storage compartment

A compartment for quick freezing, vegetable freezing, and vegetable freeze drying

Freezer compartment

- Please preserve ice cream and other food that need to be completely frozen in the freezer compartment.

Please preserve ice cream in the freezer compartment.



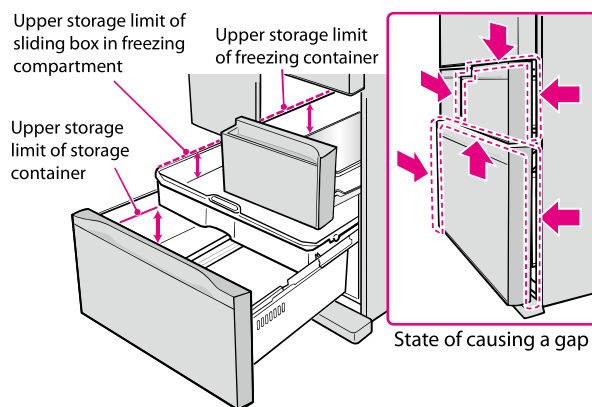
The position of the partitions can be moved and adjusted according to the actual use.

- Notes**
- Even if the door of the frozen food storage compartment is not fully closed, no prompt tone for closing the door will be given. Please refer to Page 15.
 - Under the following circumstances, food stored in the freezer compartment may frost according to different storage states:
 - When it is set at quick ice;
 - When the refrigerator door is opened frequently, or for a long time;
 - When hot food is placed;

CAUTION

- Do not allow the amount of food stored in the container or storage box to exceed the upper storage limit shown in the right figure. Otherwise, the refrigerator door will not be fully closed, resulting in poor cooling effect, frosting, or damage.

If the food is stored exceeding the upper storage limit, there will be a failure of the door to be fully closed. (cause a gap)



Upper storage limit of sliding box in freezing compartment

Upper storage limit of freezing container

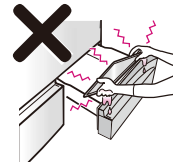
Upper storage limit of storage container

State of causing a gap

Freeze mode

Precautions for freezing food

- Please choose food with optimal freshness.
- Please use plastic wrap or sealing containers and bags to store food to prevent food from drying. (except for the part for vegetable freeze drying)
- Please use up all the food that has been unfrozen once, otherwise it will become flavorless or taste bad.
- Do not touch the frozen aluminum tray with wet hands. This may cause frostbite.



1 Preparation

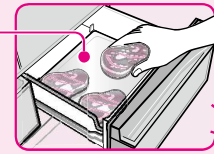
Quick Freezing Quick freezing food

- Place the sealed food on the aluminum tray.

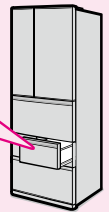
CAUTION

- Do not place food that will burn your hands (above 55°C). This may cause scald or container deformation.

Aluminum tray



Frozen food storage compartment



Direct vegetable freezing

Quick Freezing

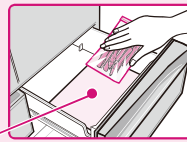
Available for preservation of vegetables requiring long-term preservation or cut leftovers

Use frozen vegetable insulation mats in the frozen food storage compartment. **Please refer to Page 20.**
(Vegetable freezing insulation pad is below the aluminum tray)

- 1 Cut the fresh vegetables to suitable size for cooking, remove moisture and seal them. Please use plastic wrap or sealing containers and bags to prevent vegetables from drying.



- 2 Place the sealed vegetables on the vegetable freezing insulation pad. (If there is an aluminum tray on it, please take it out first)



Vegetable freezing insulation pad

Frozen food storage compartment

Vegetables applicable

Vegetable Freezing	Vegetable Freeze Drying
	Cabbage
	Radish
	Carrot
	Onion
	Red chili
	Zucchini
	Pumpkin
Sweet potato, yam, and taro (Remove astringent taste with water)	
Mushrooms (shiitake, etc.)	
Broccoli and cauliflower	-
Asparagus	-
Rape	-
Chinese cabbage	-
Celery	-
Green beans	-
Broad beans	-
Tomato	-
Bean sprouts	-
Potato	-
Maize	-
Mushroom	-
Okra	-

Vegetable Freeze Drying

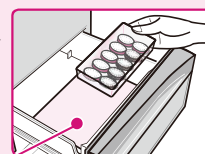
Remove moisture from vegetables with dry cold air
Available for vegetables that are prepared for stewing, deep frying etc.

Use frozen vegetable insulation mats in the frozen food storage compartment. **Please refer to Page 20.**
(Vegetable freezing insulation pad is below the aluminum tray)

- 1 Cut the fresh vegetables to suitable size for cooking and remove moisture. Place fresh vegetables on a shallow unsealed container or plastic wrap to prevent their stacking.



- 2 Place fresh vegetables on the vegetable freezing insulation pad. (If there is an aluminum tray on it, please take it out first)



Vegetable freezing insulation pad

Frozen food storage compartment

※The effect varies depending on the freshness or variety of vegetables and the effect is sometimes slightly poor.

Vegetables not applicable

- Eggplant, spinach, burdock, peas, and other astringent vegetables
- Lettuce, cucumber, perilla leaves, radish seedlings, and other vegetables to eat raw

Warm food is allowed to be subject to quick freezing.
When warm food is subject to quick freezing, please do not place it together with other frozen food to avoid heat transfer.



During cooking

- Quickly heat the frozen vegetables into boiling soup, or stir-fry them with strong fire.

Rapid heating from frozen state!



Cooking method after [Vegetable freezing]

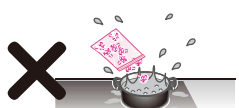
...boiling and stir-frying

Cooking method after ["Vegetable freeze drying"]

...boiling, stir-frying, and deep frying (no dry frying)

Do not deep fry vegetables subject to "vegetable freezing".

Because of moisture, the oil is prone to splash out and cause burns.



CAUTION

- Do not heat and cook with a microwave oven. Due to uneven heating, the color of places with insufficient heating will change.
- Please use up all the food that has been unfrozen once, otherwise it will become flavorless or taste bad.

Notes

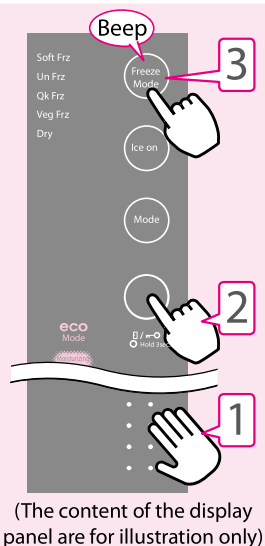
- Discoloration and intensification of taste or odor may occur after freezing due to the variety of vegetables or their freshness before freezing, but this does not affect consumption.
- The preservation term of [Direct vegetable freezing] is about 1 month. (However, it will vary according to the freshness before freezing.)

2 Setting (same operation)

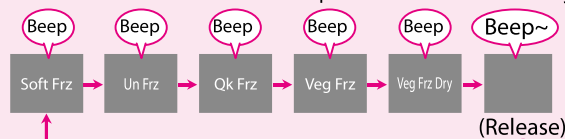
Setting method

- Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key lights up.
- Tap the main menu key to light up the touch panel.
- Tap repeatedly until the function to be set lights up.

Each time this key is tapped, the display will be switched as shown in the figure below.



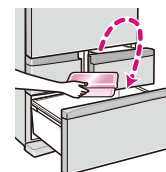
(The content of the display panel are for illustration only)



If the indicator lights up, it indicates that the corresponding function starts to run.

Automatic operation ends (indicator lights off)
Quick freezing.....about 180 minutes later
Vegetable freezing.....about 180 minutes later
Vegetable freeze drying.....About 8 hours

Please store the vegetables subject to freezing and freeze drying in a freezer compartment.



When stopping halfway

The same as the operation method of setting

Tap the key repeatedly to enable it to light off.

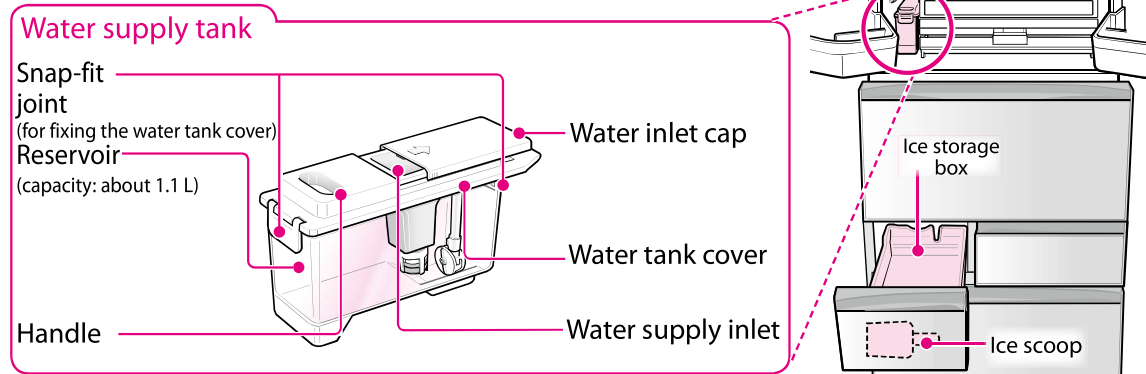
Notes

- Soft freezing, unfreezing, quick freezing, vegetable freezing, and vegetable freeze drying cannot be set at the same time.

Ice-making compartment (automatic ice maker)

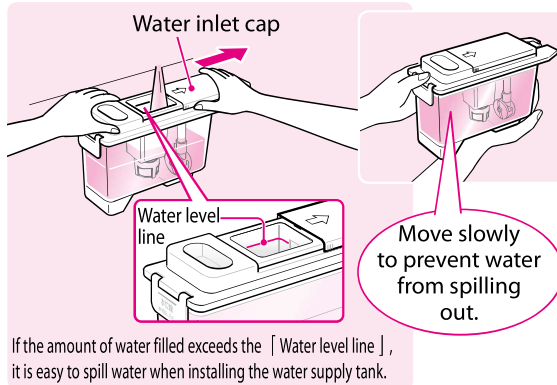


The water supply tank ^{*1} and ice tray ^{*2} are subject to antibacterial treatment.

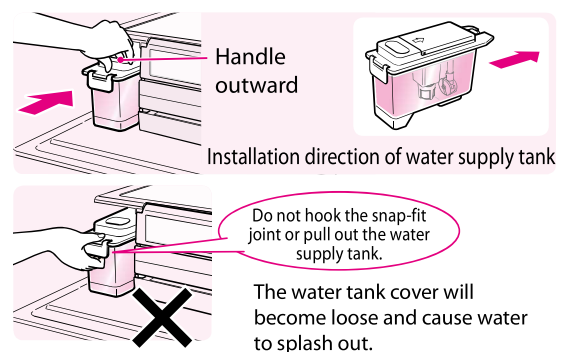


Before ice making

- 1 Turn on the water inlet lid and fill water to the [Water level line] .



- 2 Push the water supply tank inside. Ice making will not be possible without pushing it inside.



Quick ice

Quick ice

Setting method

- 1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key lights up.
- 2 Tap the main menu key to light up the touch panel.
 - Tap the key repeatedly to enable the **Quick ice** to light up.
 - ▶ **Quick ice** The quick ice making begins. The ice making process ends automatically after about 8 hours. (**Quick ice** lights off)

When stopping halfway

The same as the operation method of setting Tap the key repeatedly to enable **Quick ice** to light off.

Notes ● No quick ice making will be performed by setting quick ice making when there is no water in the water supply tank or the ice of the ice storage box is full, even if the indicator lights up.

When the ice making function is not used

Ice off

Setting method

- 1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key lights up.
- 2 Tap the main menu key to light up the touch panel.
 - Tap the key repeatedly to enable the **Ice off** to light up.
 - ▶ **Ice off**.
 - When it is set at "Ice off", the ice or water remaining in the ice tray will fall into the ice storage box after finishing ice making and the ice making process stops.

Release method

The same as the operation method of setting Tap the key repeatedly to enable **Ice off** to light off.

▶ Start ice making.

Precautions!

Before ice making/water for ice making



- Before use, please rinse the water supply tank with water to prevent scale or microorganism.
- We recommend the user to use purified water.
When using mineral water for ice making, please use mineral water with a hardness of less than 100 mg/L.
- Do not place hot water above 60°C or liquid other than purified water such as fruit juice. This may cause a fault.
- Please discard the ice cubes (about 30 pieces) made for the first time, because there may be peculiar smell or dirt in the ice-making compartment.

Hardness below 100mg/L

Mineral water and water from the water purifier remove chlorine, making them prone to breed miscellaneous bacteria and scale, and cause sticky inner wall of the water supply tank. Therefore, it needs to be cleaned carefully.



⚠ Caution: Fill with potable water only.

Ice making time and ice storage capacity

Ice making time	General ice making	About 2 hours/time	Ice storage capacity
	Quick ice	About 1 hours/time	
	Energy Saving	About 8 hours/time	

(Ambient temperature: 20°C, without door opening and closing)

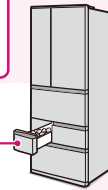
When the ice cubes are spread out for continuous ice making	About 160 pieces
When ice blocks are accumulated in local areas and the door of the ice making compartment is not opened or closed	About 50-100 pieces

• About 10 ice blocks can be made at one time in the general ice making mode. The ice making time may be prolonged depending on the operating state of the refrigerator.

The ice making time may be prolonged in the following situations.

- When the ice-making compartment is not sufficiently cooled at the beginning of use; It may even take more than 1 day especially when the refrigerator is set at Energy Saving (Please refer to Page 25) or when the ambient temperature is high during summer;
- When the refrigerator door is opened and closed many times, or when a large amount of food is put in at one time;
- When the room temperature is low in winter or very hot in summer;
- When the gap around the refrigerator is too narrow. Please refer to Page 9.

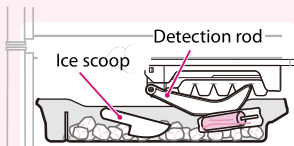
It may take more than 1 day for ice making when the ambient temperature is high.



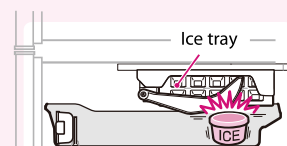
Precautions for ice making

The detection rod will continue to make ice before touching the ice.

If ice making cannot be performed when there is water in the water supply tank, it may be caused by the following situations:

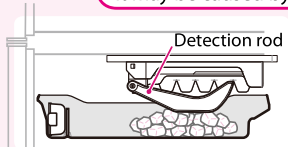


Articles other than ice are stored and the detection rod is touched.



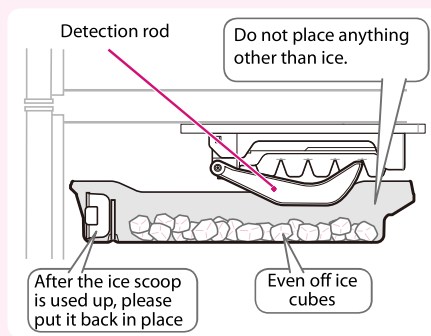
Articles other than ice are stored and collision or ice making stop is caused when the ice tray is turned over.

If the amount of ice making is small, it may be caused by the following situations:



When some ice cubes are accumulated in local areas, they may touch the detection rod prematurely and the making ice process stops when there is insufficient ice made.

GOOD!



- When you use the ice maker, please do not place articles other than ice in the ice storage box. If so, collision damage or ice making stop will be caused when the ice tray is turned over.
- When you need to store other articles, please stop using the ice making function. Please refer to Page 23.
- When the ice making function is enabled again, please remove other articles from the ice storage box and clean it.
- When you place other articles, please be careful not to go too high to avoid jamming the ice maker.

*1 Antibacterial effect of water supply tank

● Test entrusting organization: Guangdong Detection Center of Microbiology ● Test method: film sticking method (GB21551.2-2010)
● Antibacterial method: antibacterial materials ● Antibacterial object: water supply tank ● Antibacterial results: It is confirmed that the antibacterial effect is above 98%.

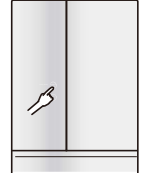
*2 Antibacterial effect of ice tray

● Test entrusting organization: Guangdong Detection Center of Microbiology ● Test method: film sticking method (GB21551.2-2010)
● Antibacterial method: antibacterial materials ● Antibacterial object: ice tray ● Antibacterial results: It is confirmed that the antibacterial effect is above 90%.

Power Saving Function

Energy Saving

When the refrigerator is set at Energy Saving, it may save electricity of about 10%^{*1}. When the refrigerating compartment, ice making compartment and freezer compartment doors are not opened or closed for more than 24 hours, the refrigerator will automatically switch to the 20% electricity saving^{*2} mode.






If you want to save power or go out for a long time, it is recommended to use the Energy Saving function.

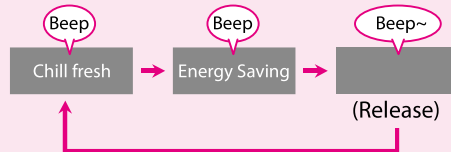
- Operate at a temperature that has no impact on food. (The temperature of the refrigerator compartment and freezer compartment is about 1–2°C higher)
(The temperature value in the figure is measured at an ambient temperature of 32°C and a temperature adjustment position of [Medium], without food inside and when the refrigerator door is closed and the temperature is stable.)
- When it is set at Energy Saving, the temperature cannot be adjusted. If temperature adjustment is required, please cancel the setting.
- In the Energy Saving mode of about 20%, it will automatically switch to the electricity saving mode of 10% as long as any one door of the refrigerator compartment, ice making compartment or freezer compartment is opened.
- The Energy Saving indicator changes from lighting up to blinking when it is switched to the Energy Saving mode at about 20%.
- The electricity saving effect may change in the following situations.
 - When it is set at freeze mode such as quick freezing
 - When the ambient temperature, door opening and closing frequency, temperature adjustment position and food storage capacity are different,
- When the refrigerator is set at Energy Saving, the ice making time may be prolonged and the number of ice making times will also decrease.

^{*1,2} Comparison of general operation and energy saving modes: Values measured under the experimental conditions of our environmental laboratory. Conditions: When the ambient temperature is 32°C, set the refrigerator compartment at [Medium] and the freezer compartment at [Medium]. There is no door opening or closing action, and the ice making process operates. The measured values will vary depending on the application environment.


Setting and Release Methods

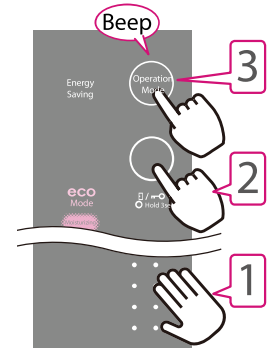
Setting method

- 1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key  lights up.
- 2 Tap the main menu key  to light up the touch panel.
- 3 Tap , until Energy Saving lights up.




Each time this key is tapped, the display will be switched as shown in the figure above.

 The required function lights up to complete the setting.



(The content of the display panel are for illustration only)

Release method

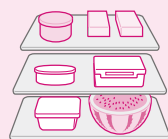
The same as the setting method. Tap  until Energy Saving lights off.

Tips for Electricity Saving

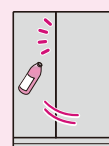
Use automatic power saving function flexibly

- Do not be overcrowded.
- Minimize the number of door opening and closing
- Store after cooling.

Over-crowded food storage will cause poor circulation of cold air.



Too frequent door opening and closing will cause cold air leakage and increase the temperature in the refrigerator.



Hot rice and hot dishes shall be stored after cooling to prevent the temperature in the refrigerator from rising.



Cleaning and Maintenance

WARNING Please unplug the power plug when cleaning

Do not disassemble, modify, or repair the refrigerator by yourself.

Do Not Disassemble

● If there is any stain at ordinary times, wipe it with a dry cloth.



Please clean the invisible parts once or twice a year.

Cleaning steps

- 1 Unplug the power plug
- 2 Please wipe with a soft cloth dipped in warm water.
 - Please dilute the detergent before use when you use neutral detergent for kitchen.
 - Please wipe the detergent off with water after use and then wipe with a dry cloth.

CAUTION

- If oil or fruit juice is stained on plastic components, shelves, and doors, please wipe them immediately. This may cause these components to crack or discolor.
- Do not apply force to the glass surface and edges by impact. The glass may be broken or chipped.
- Do not use the following items:



Alkaline detergents for kitchen use or those labeled as weakly alkaline (these may cause breakage or damage to plastic components, shelves, doors, etc.)

Grinding powder, washing powder, alcohol (ethanol, methanol, etc.), gasoline, thinner, acid, alkali, wax, petroleum, hot water, brush, etc. (these may cause crack or damage to plastic components, shelf, door, etc., or damage to the painted surface.)

Inspection after cleaning

Please inspect the power cord and power plug after cleaning as follows to prevent an electric shock or fire.



- Please call the service hotline without hesitate if you have any questions.

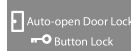
Please refer to Page 48.

Door surface Wipe with a wet or dry cloth

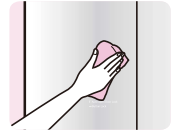
If there are stains that cannot be wiped off, please wipe them with a small amount of diluted neutral detergent. Wipe the detergent with a wiping cloth dipped in clean water, and finally wipe it with a dry cloth.

Touch panel

Please set at Auto-open Door Lock and Button Lock before cleaning.



Please refer to Pages 17 and 18.

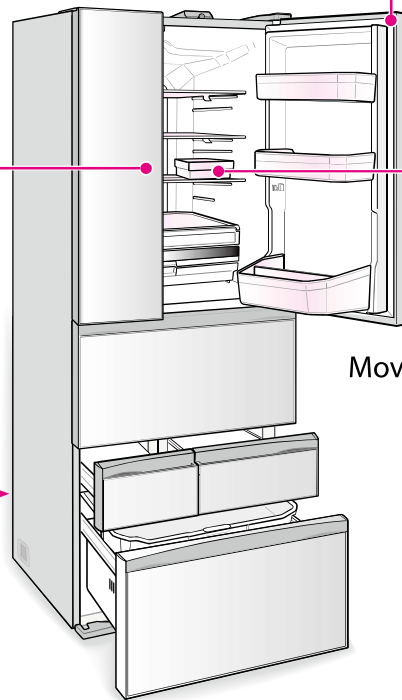


If the above settings are not made, the door may be opened automatically by touching the key during cleaning or the temperature position may be changed.

Door seal and adsorption surface

Wipe with a wet cloth

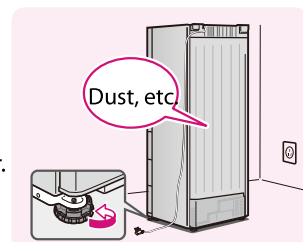
They are easy to be damaged if dirt, resulting in cold air leakage.



Movable box

Refrigerator back and floor

- Rotate the adjustable leg until it leaves the floor, and then pull out the refrigerator.
- Wipe off dirt on the back, walls and floor.



Cleaning and Maintenance ... Continued

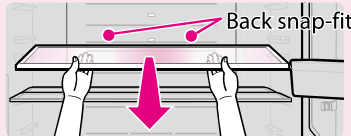
Shelf **Water washing**



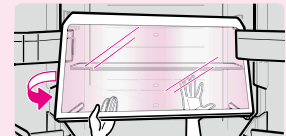
The glass shelf is heavy and must be taken with both hands.

Removal method of movable shelf

1 Lift the shelf by inner side with hand to disengage the snap-fit joints on its back.



2 Rotate the shelf slightly and take it out.

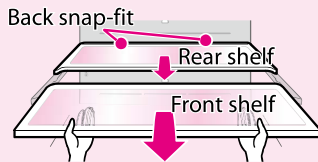


• The installation method is reverse to the removal method. After installation, please confirm whether the back snap-fit joints is engaged.

Two-part movable shelf

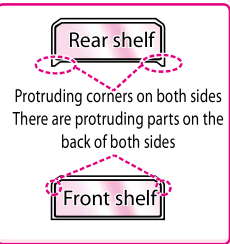
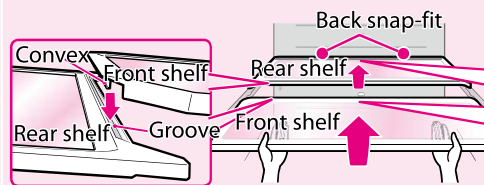
Removal method

Lift the front shelf slightly and pull it out, then lift the rear shelf by inner side to disengage its back snap-fit joints.



Installation method:

First, fix the rear shelf on the back snap-fit, and then click the protrusion of the rear shelf into the groove.



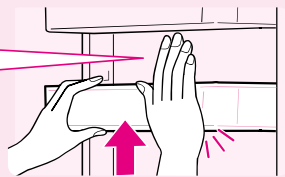
Shelves on door

Double-bottle shelf

Water washing

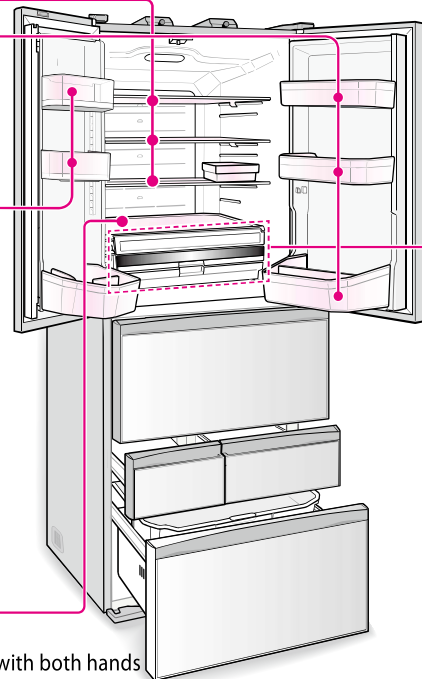
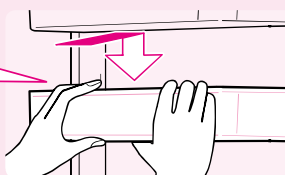
Removal method

As it is firmly installed, lift the left and right sides of the shelf alternately from below, then take it out.



Installation method:

Place the shelf horizontally and then press it down.



Movable shelf **Please refer to Page 31.**

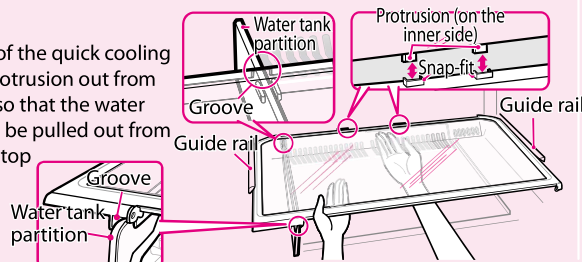
Quick cooling box



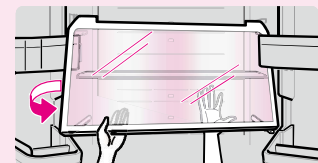
The glass shelf is heavy and must be taken with both hands

Removal method

1 Lift the top plate of the quick cooling box to take the protrusion out from the snap-in area, so that the water tank partition can be pulled out from the groove of the top plate of the quick cooling box.



2 Rotate the top plate of the quick cooling box slightly and take it out.



The installation method is reverse to the removal method.

Install it along the guide rail, and click the protrusion of the quick cooling box into the snap-in area.

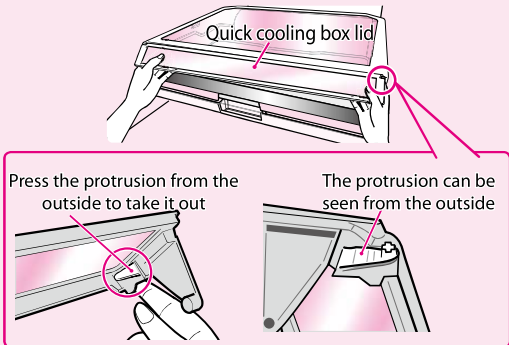
Quick cooling box **Water washing**

Quick cooling box lid

Removal method
Press and hold the protrusion on the right side of the quick cooling box cover to separate it from the top plate of the quick cooling box.
(It is installed firmly. Be careful during removal)

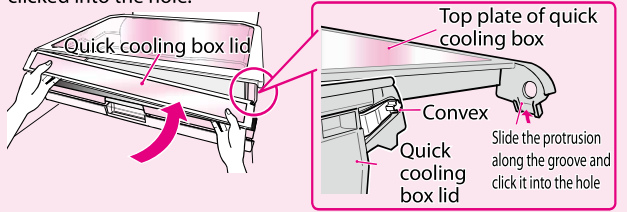


Glass products are heavy and must be taken with both hands

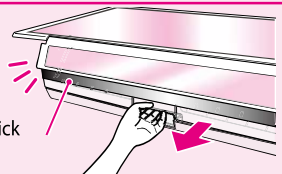


The installation method is reverse to the removal method.

Insert the left side of the quick cooling box cover first, and then slide the protrusion on the right along the groove on the top plate of the quick cooling box as shown in the figure below until the protrusion is clicked into the hole.



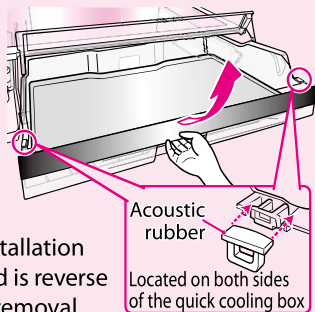
As shown in the figure, when the quick cooling box cover is overlapped with the upper quick cooling box and not returned to its original position, pull out the upper quick cooling box slightly to return the quick cooling box cover to its original position.



Quick cooling box

Upper quick cooling box

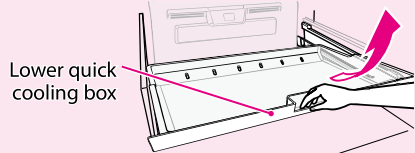
Removal method
Take it out obliquely upward.



• The installation method is reverse to the removal method.

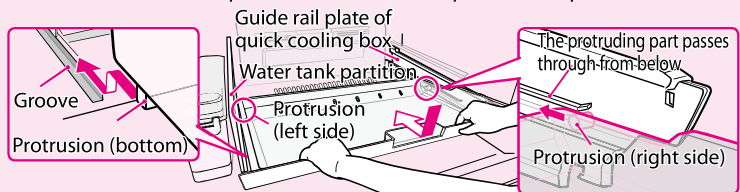
Lower quick cooling box

Removal method
Take it out obliquely upward.



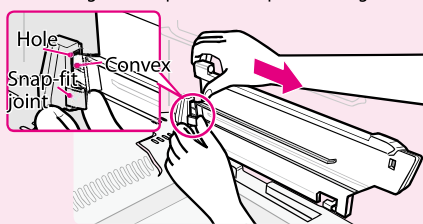
Installation method:

As shown in the figure, pass the protruding parts at the left and right sides of the lower quick cooling box through the guide rail plate of the quick cooling box and the water tank partition on the left to push it into place.



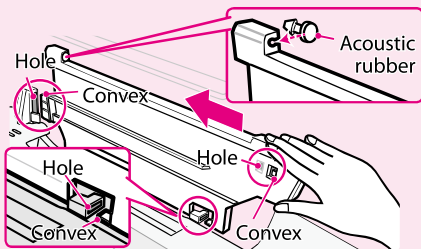
Guide rail plate of quick cooling box

Removal method
As shown in the figure, disengage the snap-fit joints to take the protrusion out of the hole, and then remove the guide rail plate of the quick cooling box.



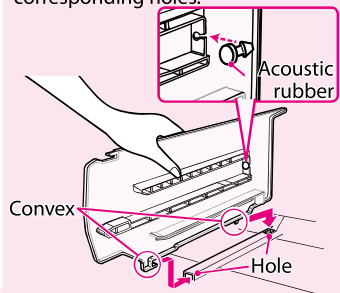
Installation method:

Insert the 3 protruding parts shown in the figure into their corresponding holes until a "click" sound is heard.



Water tank partition

Insert the 2 protruding parts shown in the figure into their corresponding holes.



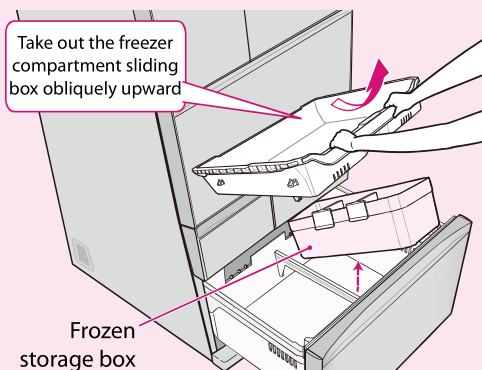
Cleaning and Maintenance ... Continued

Frozen storage box, storage container and sliding box of freezing compartment

Water washing

Removal method

- 1 Pull the door out to the maximum extent and remove the freezer compartment slide box.

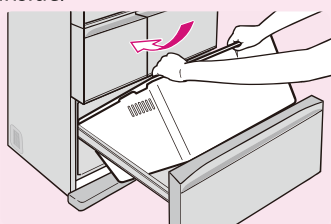


- 2 Lift the door and continue to pull it out until it touches the ground, and take out the storage container obliquely upward.

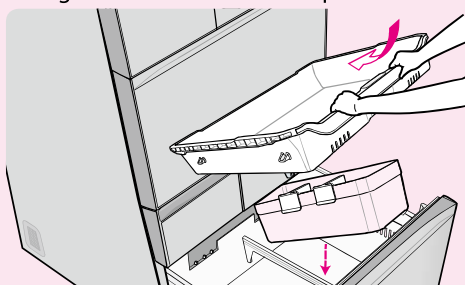


Installation method:

- 1 Lift the door and pull it out until it touches the ground, and put the storage container inside.

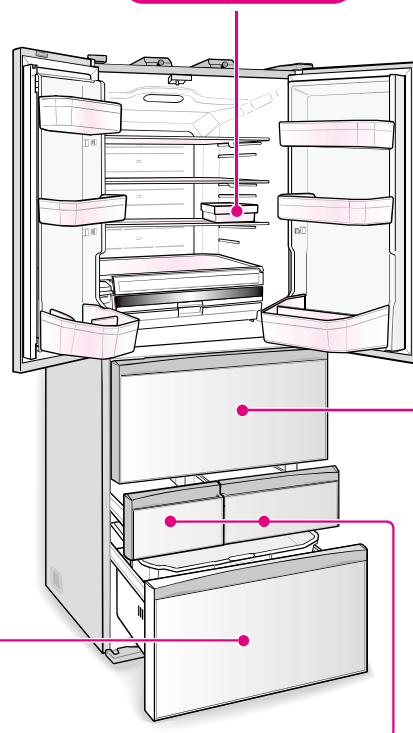


- 2 Then put it into the sliding box and freezing storage box of the freezer compartment.



Movable box

Water washing



Ice storage box, freezer container and vegetable freezing insulation pad **Water washing**

Removal method

Pull it out and take it out obliquely upward.

- The installation method is reverse to the removal method.



If the vegetable freezing insulation pad is dirty, please wash it with water or wipe it with a damp cloth.



CAUTION

- Dry it and then put it back to its original position.

Fruit and vegetable compartment slide box, fruit and vegetable container

Water washing

Moisture permeable box

Water washing

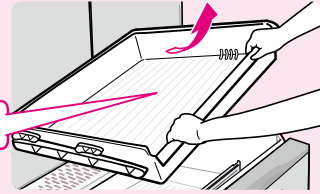
Sliding bin of fruit and vegetable compartment

Removal method

Pull the door out to the maximum extent and take out the slide box of fruit and vegetable compartment.

• The installation method is reverse to the removal method.

Take it out obliquely upward



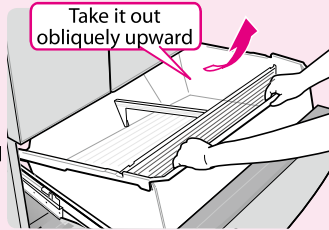
Fruit and vegetable container

Removal method

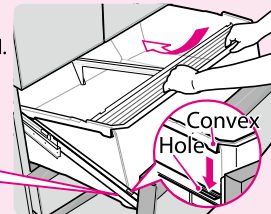
Take out the slide box and moisture permeable box of the fruit and vegetable compartment first, then pull out the door to the maximum extent, and take out the fruit and vegetable container obliquely upward.

• The installation method is reverse to the removal method.

Take it out obliquely upward



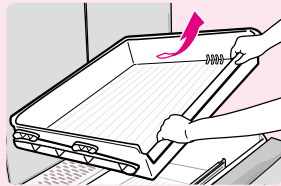
Be sure to click the protrusion part of the box into the hole of the guide rail



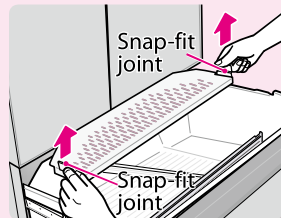
Moisture permeable box

Removal method

1 Pull the door out to the maximum extent and take out the slide box of fruit and vegetable compartment.

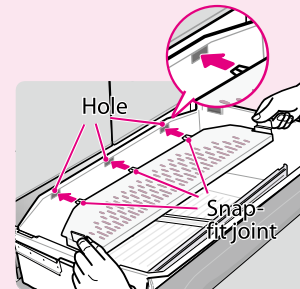


2 Hold the snap-fit joints on both sides of the moisture permeable box and pull them out.

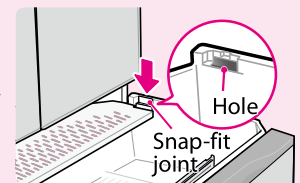


Installation method:

1 Insert the 3 protruding edges in the moisture permeable box into the holes of the fruit and vegetable container.



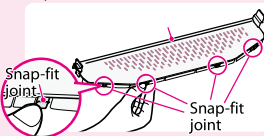
2 Insert the protruding edges on both sides of the permeable box into the left and right holes of the fruit and vegetable container.



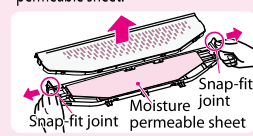
Moisture permeable sheet

Removal method

1 As shown in the figure, press the snap-fit joints of the moisture permeable box.

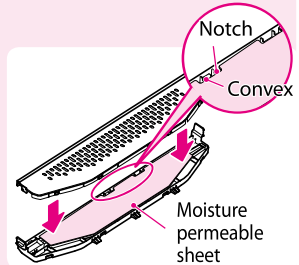


2 Disengage the snap-fit joints on both sides and take out the moisture permeable sheet.



Installation method:

During installation, the green side of the moisture permeable sheet shall be upward. As shown in the figure, the notch of the moisture permeable sheet shall face the protrusion of the moisture permeable box. After installation, the moisture permeable sheet shall not be exposed from the moisture permeable box.

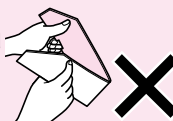


Moisture permeable box ... Wash with water or wipe with a wet cloth
For dirt that cannot be removed, use the neutral detergent for kitchen to clean.

Moisture permeable sheet...Wash
After cleaning, please gently wipe it with a cloth. If the moisture permeable sheet is wet with water, its surface will be covered with dirt, which will not affect its function.
For dirt that cannot be removed, use the neutral detergent for kitchen to clean.

CAUTION

- Before installing the moisture permeable box, please wipe off the water on it.
- The surface of the moisture permeable sheet can be cleaned with sponge. Do not twist or bend the moisture permeable sheet, otherwise the moisture permeable sheet is easy to wrinkle, become coarse and have parts peeled off.
- Keep the permeable sheet away from hot water, and do not use a dryer or blower; otherwise, the permeable sheet will shrink.



Cleaning and Maintenance ... Continued

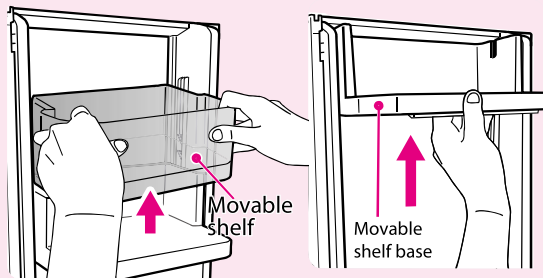
Movable shelf **Water washing**

Movable shelf base **Wipe with a wet or dry cloth**

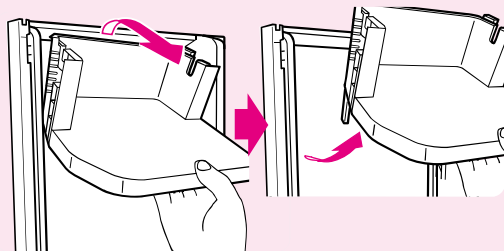
- Washing the movable rack base with water may cause failure.

Removal method

- 1 Grasp the movable shelf with both hands and lift it up at the same time.
- 2 Grasp the handle at the bottom of the movable shelf base and pull it forward while pushing to the highest position.

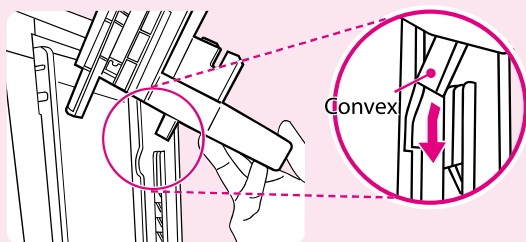


- 3 Take out the movable shelf base obliquely upward.

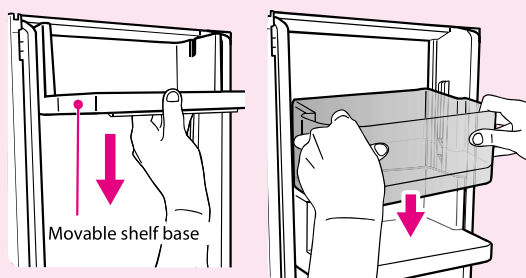


Installation method:

- 1 As shown in the figure, while grasping the handle at the bottom of the movable shelf base, align the raised part with the guide rail groove on the door.



- 2 Grasp the movable shelf with both hands and lift it up at the same time.
- 3 Grasp the handle at the bottom of the movable shelf base and pull it forward while pushing to the highest position.



Maintenance of automatic ice maker

WARNING



Do Not Disassemble

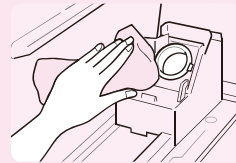
Do not disassemble, modify, or repair the refrigerator by yourself.



Do Not Touch

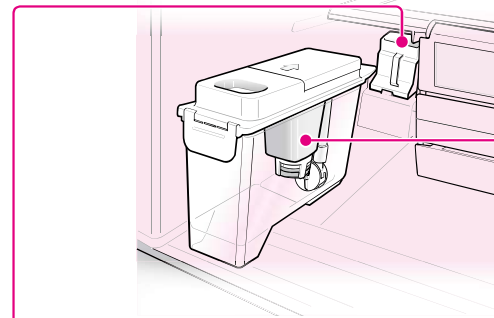
Do not touch the ice making part of the automatic ice maker with your hands (upper side of the ice making compartment)

Be sure to use a soft wet cloth or sponge for cleaning, and clean the corresponding parts with clean water. (to prevent mould, rust, etc.)



Do not use the following items:

- Detergent, bleach, grinding powder, brush, thinner, gasoline, etc. (Otherwise, peculiar smell or fault may be caused)
- Hot water (The heat resistance temperature of each component is 60°C)



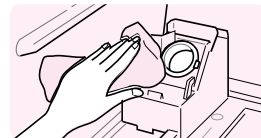
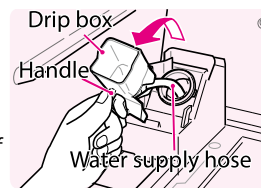
Water supply pipeline

Drip box **1-2 times/year**

Removal method

Take out the water supply tank first, and then hold the handle of the drip box to take it out.

- Wipe the mounting groove (on the refrigerator) of the drip box with a soft wet cloth.



Installation method
Insert the water supply hose firmly into the groove of the water supply tank.

CAUTION

- Do not spray water or other cleaning agents on the rinsing tank; otherwise ice maker fault may occur.
- Do not remove the water supply hose from the drip box; otherwise, water leakage may occur.

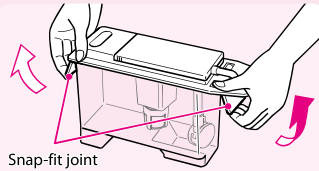


Water supply tank

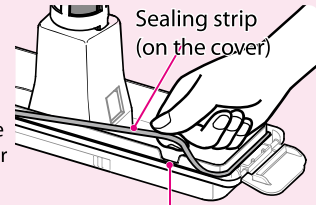
Water tank, water tank cover and sealing strip (on the cover) **1 time/week**

Removal method

- 1 Open the clip and remove the water tank cover.



- 2 Remove the sealing strip (on the cover) from the notch on the inner side of the water tank cover.

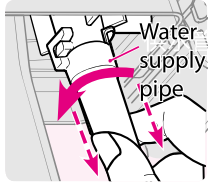


• The installation method is reverse to the removal method.

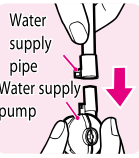
Water supply pipe, and water supply pump **1 time/month**

Removal method

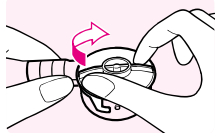
- 1 Rotate and remove the water supply pipe as indicated by the arrow.



- 2 Remove the water supply pump from the water supply pipe.



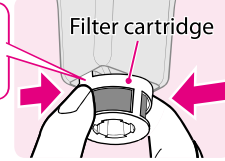
- 3 Rotate and remove the pump box cover as indicated by the arrow.



Water filter **1 time/week**

Removal method

Push both sides as indicated by the arrow to remove the filter box



Cleaning mode
Water washing

- The water purification filter is easy to be damaged, so please do not stab it with sharps.

• The installation method is reverse to the removal method.

Impeller

Please check whether there is any foreign matter adhered.

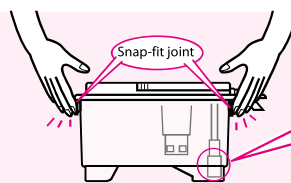
• The installation method is reverse to the removal method.

Please check that all components are installed in place, otherwise water cannot be supplied.

Installation method of water tank cover

Engage the snap-fit joints of the water tank cover, and a "click" sound will be heard if the snap-fit joints are engaged. Make sure to install clips in positions.

If the snap-fit joints are not engaged properly, it will lead to failure of water supply and ice making or noise from the water supply pump.



Water supply pump
Parallel to the back

Please check whether the water supply pump is parallel to the back of the water tank

Various handling

When the Interior Lamp is Replaced

- Please contact professionals to replace the interior light (service hotline: 400-822-9088).

When the Glass Component Is Broken

- Do not touch the broken glass and call the service hotline.

During Power Failure




- Reduce the opening and closing times of doors to avoid putting food into it for storage. (Otherwise, the temperature inside the refrigerator will rise)

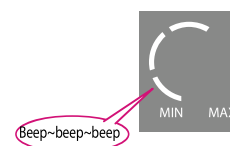
When the Power Plug is Unplugged or the Fuse or Circuit Breaker is Disconnected


- If the plug is inserted again or the circuit breaker is closed immediately, the compressor will be overloaded, resulting in faults. Please wait for 5 minutes before inserting the plug or closing the circuit breaker. Depending on the temperature in the refrigerator and the starting state of the compressor, sometimes the compressor protection timer will start so that the refrigerator will run about 6 minutes later after power plug is inserted.

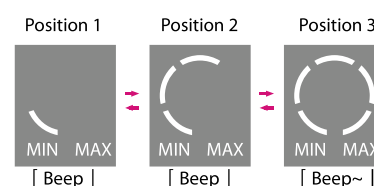
Adjust the Brightness of Touch Panel

- The brightness of the touch panel can be adjusted by setting.

- 1 Put your hand close to the lower part of the refrigerator compartment door, so that the main menu key  lights up. Touch the main menu key to light up the touch panel. Tap  and  for 3 seconds at the same time until [beeping] tone sounds.
 - ▶ The temperature adjustment level displays the current brightness.



- 2 Touch  repeatedly to select the brightness level.
 - ▶ Three levels can be set, and "level 3" is the brightest.










- 3 If no operation is performed for more than 10 seconds, [beeping] tone will sound to complete the setting.
 - ▶ The temperature regulation indicator is off.

When the Refrigerator is Not Used for a Long Time

- 1 Please empty the ice and water from the automatic ice maker. (See step 2 of "Before movement and handling" for details [Please refer to Page 41.](#))
- 2 Pull out the power plug, clean up the inside of the refrigerator, and keep the refrigerator door open for 2-3 days and dry it.

When the Temperature is Adjusted More Accurately (Temperature Fine Adjustment)

- The temperature of the refrigerator compartment or freezer compartment can be fine-tuned.
- When all doors are closed, put your hand close to the lower part of the refrigerator compartment door to turn on the main menu  light. Touch the main menu key to light up the touch panel. Press  and tap  for 3 times at the same time.
 - The [beeping] sound will be heard,  or  indicators change from illuminated to flashing, and the temperature fine adjustment mode is enabled.
 - Repeatedly touch  or  button to select the temperature adjustment level.
 - If there is no operation for more than 10 seconds, a "beep beep" tone will sound and the temperature fine adjustment will be completed.
After the setting of fine temperature adjustment is canceled, general temperature adjustment can be carried out.

Notes ● Each time the button is pressed, the temperature will change by 0.3~1.5°C.

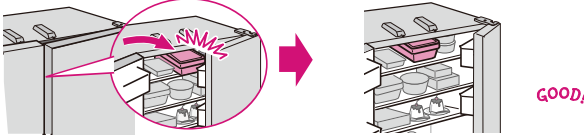
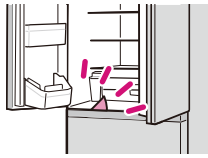
Loading of Shelves and Containers

Location	Shelves and containers	GR-RM631WE-PGX
Refrigerator compartment Please refer to Page 15.	Movable shelf	13.5kg
	Two-part movable shelf	12.5kg
	Top plate of quick cooling box	12.0kg
Fruit and Vegetable Compartment Please refer to Page 19.	Sliding bin of fruit and vegetable compartment	9.0kg
	Fruit and vegetable container	26.0kg
Frozen food storage compartment Please refer to Page 20.	Freezing container	10.5kg
Freezer compartment Please refer to Page 20.	Freezer compartment slide box	13.5kg
	Storage container	31.0kg

In Case of Fault







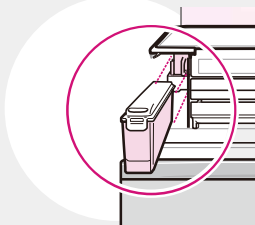
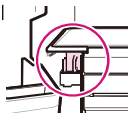
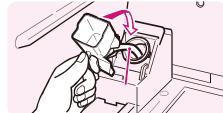
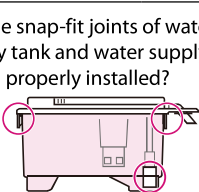
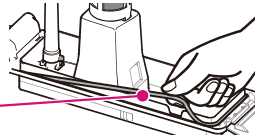
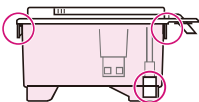
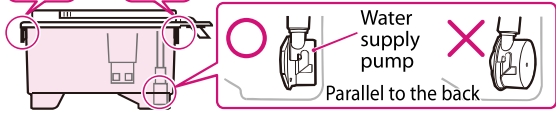
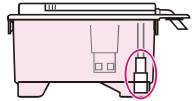
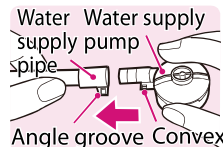
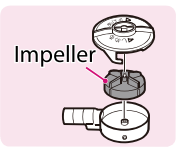
About Refrigeration

No cooling at all·Poor cooling...Please check the following items in sequence.

Items • Cause/countermeasure	
Power supply	<p>Is the power supply normal?</p> <p>▶ Please check whether the power plug is connected well and whether the main switch or fuse is disconnected.</p>
How long is the power on?	<p>▶ It takes a certain time to cool the interior down, and it may take more than 1 day to cool down in hot summer.</p>
Touch panel	<p>Is it in demonstration mode? ▶ Cancel the demonstration mode. Please refer to Page 12.</p>
	<p>Is the temperature regulation level set to [MIN] ? ▶ Please set the temperature adjustment level to [Medium] or [MAX] .</p>
	<p>Is "Energy Saving" set? ▶ Please cancel the setting. Please refer to Page 25.</p>
Door	<p>Condition of the refrigerator compartment door</p> <p>Does the food on the shelves project out of the shelves and against the refrigerator door to create a gap? ▶ Do not keep food projecting out of the shelves.</p> <p>Is there any gap around the door sealing strip?</p> 
	<p>Condition of fruit and vegetable compartment doors or freezer compartment doors</p> <p>Is there a food bag stuck in the door that creates gaps? In addition, does the food in the container reach the slide box?</p> <p>▶ If yes, the door will be poorly closed and the cooling effect will become worse due to cooling leakage.</p> <p>Please refer to Pages 19 and 20.</p> 
	<p>Do you open the refrigerator door frequently?</p> <p>Frequent opening of the refrigerator door will cause outside air (hot air) to enter the refrigerator, thus temporarily increasing the temperature in the refrigerator. The temperature will return to normal in about one night. Please observe carefully.</p>
Phenomenon	Items • Cause/countermeasure
Freezing of food in the refrigerator compartment	<p>Are foods with excessive moisture placed in the innermost part of the refrigerator compartment or in a quick cooling box?</p> <p>▶ The refrigeration is too fast because the innermost part of the refrigerator is close to the cold air outlet, and the temperature in the quick cooling box is low.</p> <p>Do not place food with excessive moisture in front of the cold air outlet. Please refer to Pages 17 and 18.</p>
Foods in quick cooling box will not be slightly frozen (soft freezing)	<p>▶ The food in the quick cooling box usually does not freeze. (However, food placed near the cold air outlet may freeze.)</p>
When quick slight freezing or low temperature cooling is set, the food will not be slightly frozen (soft freezing)	<p>▶ Soft freezing or chill fresh generally does not cause the food to freeze slightly (soft freezing). (However, food placed near the cold air outlet may freeze.)</p>
The food will be frozen when it is set to soft freezing or chill fresh mode	<p>Is the food stored on the innermost part of the upper quick cooling box?</p> <p>▶ The innermost part is close to the cold air outlet, so the food is easy to freeze. Do not place food in front of the cold air outlet. Please refer to Pages 17 and 18.</p>
	<p>Are food with excessive moisture stored?</p> <p>▶ Do not place food with excessive moisture in front of the cold air outlet. Please refer to Pages 17 and 18.</p>
Chill fresh mode takes too long	<p>Is it set to soft freezing or unfreezing mode?</p> <p>▶ Set the low temperature cooling mode under soft freezing or unfreezing mode. The refrigerator will enter chill fresh mode only after the soft freezing or unfreezing process is completed.</p>
Food does not thaw even if unfreezing mode is set	<p>▶ When food is thick or stacked densely, it may not be able to unfreeze within the set time.</p>
Ice cream soft	<p>Is it placed in the frozen food storage compartment?</p> <p>▶ Please keep it in the freezer compartment. Please refer to Page 20.</p>

About Ice Making

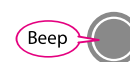
Unable to make ice · Less ice ... Please check the following items in sequence.

Items • Cause/countermeasure		
How long is the power on? 	When the refrigerator is not fully refrigerated at the beginning of operation, it takes about 5-6 hours to make ice cubes. It may take more than 1 day in hot summer, so judge according to the actual situation. Please refer to Page 24.	
Touch panel 	Is the "Ice off" indicator on?  Please cancel the ice off function. Please refer to Page 23.	
	Is the "Energy Saving" indicator on?  Please cancel the energy saving function. Please refer to Page 25.	
Ice storage box 	Are items other than ice placed in the ice storage box?  Do not put anything other than ice into the ice storage box. The object may touch the detection rod to stop ice making, or cause damage due to impact when the ice tray is turned over, resulting in failure of ice making. After using the ice scoop, return it to its original position.	
Water supply tank • drip box 	Is there sufficient water in the supply tank? Please add water into the supply tank to the water level line. Please refer to Page 23.	
	Have you forgotten to install the drip box? Please refer to Page 31. 	Please install the drip box. 
	Have you forgotten to install the sealing strip (on the cover) of the water supply tank cover? 	Please install the sealing strip (on the cover) on the water supply tank cover. Sealing strip (on the cover) 
	Are the snap-fit joints of water supply tank and water supply pump properly installed? 	Snap-fit joint Snap-fit joint  Water supply pump Parallel to the back
	Are the water supply pipe and impeller installed properly? 	Water supply pipe and pump Please install the protruding part of the water supply pump into the corner groove of the water supply pipe.  Water supply pipe Angle groove Convex Impeller 
Phenomenon	Items • Cause/countermeasure	
Ice cubes are bonded to each other, or in spherical shape or become smaller	Is ice stored for a long time? Ice may become spherical, rounded and smaller due to sublimation.	
Ice is white, or has sediment	Is it set to quick ice or quick freezing mode? As the icing speed is accelerated, air in moisture will be sealed in ice cubes to form bubbles and make ice cubes look white.	
	Are water with high mineral content (mineral water, etc.) used? Due to mineral freezing, white precipitates appear, making the ice appear white. This condition has no harm.	


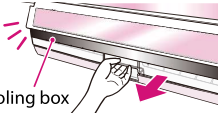
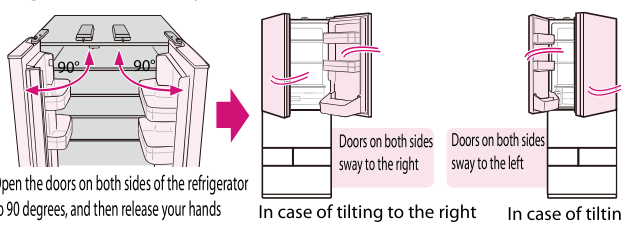

In Case of Fault ... continued

About Touch Panel

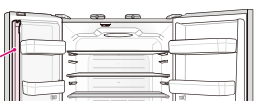
Phenomenon	Items • Cause/countermeasure
Touch the door opening switch and main menu button, and the indicator is not on	<p>Is it in the normal-off mode?</p> <ul style="list-style-type: none"> ▶ At the beginning of use, it has been set to normal-off mode by default. The light can be turned on by placing your hand close to the lower part of the refrigerator compartment. You can also choose to set it to the normal-on mode. Please refer to Page 13.
No response after panel (operation related) touching	<p>Is the door of the refrigerator compartment opened?</p> <ul style="list-style-type: none"> ▶ The operation cannot be carried out when the door of refrigerator compartment is opened. Please close it before operation. Please refer to Page 11.
	<p>Is the lighted main menu key not touched?</p> <ul style="list-style-type: none"> ▶ First, put your hand close to the lower part of the refrigerator compartment door, gently touch the door opening switch to turn on main menu key light, and then touch the lighted main menu key to turn on the touch panel light. Please refer to Page 11.
	<p>Is there water or dirt on the touch panel?</p> <ul style="list-style-type: none"> ▶ Wipe the panel lightly with a soft cloth to remove water or stains.
	<p>Have you operated by hands with gloves on or adhesive bandage? ▶ Please touch it directly with your fingers.</p>
No response after touching the door opening switch	<p>Did you touch the panel with wet hands? ▶ Please wipe your hands with a dry cloth before touching.</p>
	<p>Is the door of the refrigerator compartment opened?</p> <ul style="list-style-type: none"> ▶ The operation cannot be carried out when the door of refrigerator compartment is opened. Please close it before operation.
	<p>Is there any water or stain on the door opening switch?</p> <ul style="list-style-type: none"> ▶ Wipe the door opening switch with a soft cloth to wipe away water or stains.
	<p>Have you operated by hands with gloves on or adhesive bandage? ▶ Please touch it directly with your fingers.</p>
	<p>Did you touch the panel with wet hands? ▶ Please wipe your hands with a dry cloth before touching.</p>
	<p>In order to prevent injury, there will be no response after the door opening switch is touched when the door is just closed.</p>
	<p>Is the Auto-open Door Lock canceled? ▶ Please cancel this setting. Please refer to Page 14.</p>
Light does not turn on when door opening switch is touched	<p>During operation, have you touched the surrounding part of the door opening switch?</p> <ul style="list-style-type: none"> ▶ When the warning electrode that detects misoperation is touched, the door sometimes cannot be opened. Please touch the door opening switch within its touch response range. Please refer to Page 13.
	<p>Is the Auto-open Door Lock canceled? ▶ Please cancel this setting. Please refer to Page 14.</p>
Door opening switch light up randomly	<p>Is your hand too far away from the door opening switch during operation?</p> <ul style="list-style-type: none"> ▶ Please put your hand close to the door opening switch during operation. Please refer to Page 13.
	<ul style="list-style-type: none"> ▶ The light may be turned on when you are in front of door opening switch or the switch is splashed by water. The light will automatically go off after 10 seconds of illumination.
Failure to adjust the temperature	<p>Is Energy Saving set?</p> <ul style="list-style-type: none"> ▶ When Energy Saving is set, the temperature of refrigerator compartment or freezer compartment cannot be adjusted. If adjustment is required, please cancel the setting.
	<p>Is it set to chill fresh?</p> <ul style="list-style-type: none"> ▶ The temperature of the refrigerator compartment cannot be adjusted when it is set to chill fresh. If adjustment is required, please cancel the setting. Please refer to Page 18.
Indicators flash	<p>Are the doors of refrigerator compartment, ice making compartment and freezer compartment closed?</p> <ul style="list-style-type: none"> ▶ If one of the doors of refrigerating compartment, ice making compartment and freezer compartment is opened for more than 1 minute, the door opening indicator will start to flash. Please refer to Page 15.
	<p>Does the "Energy Saving" indicator flash?</p> <ul style="list-style-type: none"> ▶ When the refrigerating compartment, ice making compartment and freezer compartment doors are not opened or closed for more than 24 hours, the refrigerator will automatically switch to the 20% electricity saving mode. The "Energy Saving" indicator will flash. Please refer to Page 25.
	<p>Indicator for quick freezing and quick ice flash continuously?</p> <ul style="list-style-type: none"> ▶ The refrigerator is abnormal Please call the service hotline.
Indicators light up successively	<p>The refrigerator enters the demonstration mode. ▶ Cancel the demonstration mode. Please refer to Page 12.</p>
Dim indicator	<p>Is it set to "Level 1"? ▶ Please step up the setting level. Please refer to Page 33.</p>



About Door

Phenomenon	Items • Cause/countermeasure
The door of the refrigerator compartment is misaligned	▶ Please rotate the adjustable leg to adjust the parallelism of the door. Please refer to Page 10.
The door cannot be closed	Is the rotating partition not reset? ▶ Please reset the rotating partition. Please refer to Page 16.
	Are there any food bags, etc. caught by the door, or are the food projected out of the shelves, resulting in gaps?  ▶ Please remove the trapped food. Do not keep food projecting out of the shelves.
	Does the quick cooling box cover overlap with the upper quick cooling box and fail to return to its original position?  ▶ Slightly pull out the upper quick cooling box to return the quick cooling box cover to its original position. Upper quick cooling box
	Does the food in the refrigerator compartment or fruit and vegetable compartment container touch the slide box above? ▶ Keep food from contacting the slide box. Please refer to Pages 19 and 20.
It is very difficult to open the freezer compartment door.	Is the refrigerator tilted forward? ▶ Please rotate the adjustable leg to make the refrigerator horizontal. Please refer to Page 9. If adjustment is unavailable, contact your dealer or call the service hotline.
	Is the refrigerator door unopened for a long time? Water droplets on the metal guide rail will freeze, causing unsmooth door opening and closing. After several times of door opening, it can return to normal.
The door shakes randomly	If only one side door sways, there is no problem. However, if the doors on both sides sway toward the same direction, the swaying is caused by a large inclination of the refrigerator. Please place the refrigerator horizontally.  ▶ Please rotate the adjustable leg to adjust the parallelism of the door. Please refer to Page 10. Or place a piece of board under the castors. Open the doors on both sides of the refrigerator to 90 degrees, and then release your hands In case of tilting to the right In case of tilting to the left
The refrigerator is unstable when its door is opened or closed	 ▶ Please adjust the adjustable leg on the left and right sides to the ground side until the refrigerator is stable without swaying. Please refer to Page 9. When the refrigerator cannot be stabilized without swaying even by adjusting the adjustment leg, please place a piece of board under it.
The rotating partition and the lower door are pasted with sponge tape	In order to prevent collision and for better seal, sponge tape is pasted on the rotating partition, ice making compartment door, frozen food storage compartment door and freezing door. Please do not tear it off.

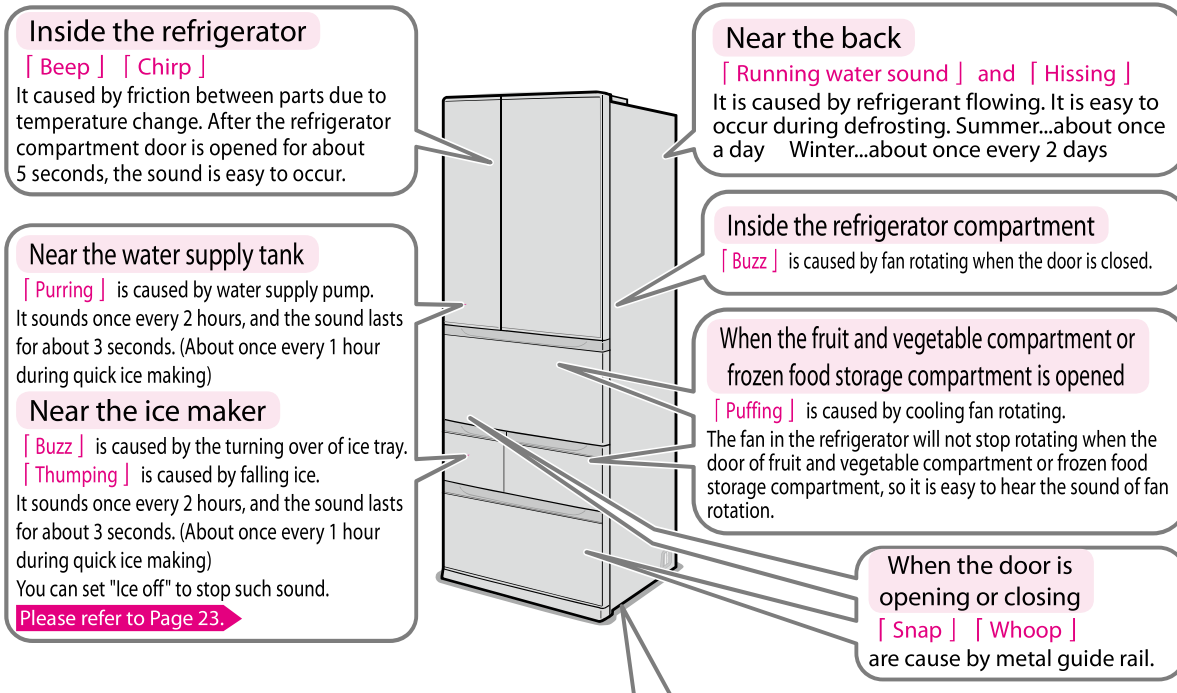
The following conditions are normal

Phenomenon	Causes
It is very difficult to open the door directly after it is closed	The air entering the refrigerator is quickly cooled, and the pressure inside the refrigerator is temporarily lower than that outside the refrigerator, resulting in difficulty in opening the door.
When the refrigerator compartment doors are opened, opening the left door is more difficult than opening the right door	There is a rotating partition on the left door. Please refer to Page 16.  Rotating partition
Other doors will open instantaneously when a door is closed	The air pressure generated by door closing pushes other doors open.

In Case of Fault ... continued

About Sound

Having abnormal sound...The following is normal.



Lower part of refrigerator
 [Puffing] is caused by refrigerant regulating valve operating. Summer...about 4 times a day Winter...about 1 time 1 day
 [Poof] is caused by compressor running.
 The refrigerator is equipped with a compressor controlled by inverter.

- Inverter control

The rotation speed can be controlled according to the ambient temperature or the refrigeration condition in the refrigerator, so the operation will hardly stop.
 In summer or at the beginning of operation, if quick freezing and ice making are carried out, the rotation speed will increase and the sound of compressor running will be louder.
 In addition, the inverter compressor is more energy saving than the compressor that runs/stops repeatedly.

Pay attention to the following occasions

- [Gada] [Thumping]
- Is the floor firm?
 - Does it touch the surrounding wall?
 - Is the refrigerator placed stably?
 - Whether the water supply pump and pipe of the water supply tank are installed correctly? Please refer to Page 32.

- [Alarm sound]
- Is the door not closed properly?
 If there are still the sound when all doors are closed, please call the service hotline.
 (When an alarm sound occurs, unplug the power plug Please wait for 5 minutes before plugging the plug, and the alarm sound will stop after 3 minutes.)

About Condensation, Frosting and Water Leakage

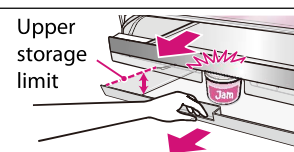
Phenomenon	Items • Cause/countermeasure
Frosting in the freezer compartment	<p>Is there any gap in the door seal due to excessive food placement? When there is too much food, the door cannot be fully closed, causing a gap between the door seals and resulting in frosting. Even small gaps can cause frosting.</p> <p>▶ Do not put into too much food that exceed the upper storage limit. Please check whether there is any gap around the door seal. Please refer to Page 20.</p>
Condensation on the outside of refrigerator or rotating partition	<p>Is the humidity too high? Is the door not fully closed? ▶ When condensation occurs, please dry it with a dry cloth.</p>
Interior condensation of fruit and vegetable compartment or refrigerator compartment	<p>Is the door open frequently or for a long time? Is the door not fully closed? ▶ Due to high temperature and moisture, condensation sometimes occurs on bottled and canned food. When condensation occurs, please dry it with a dry cloth.</p> <p>Is the moisture permeable box blocked by food bags or containers? ▶ When the moisture permeable box is blocked by food bags or containers, condensation will be increased. Please remove the obstruction.</p>
Water leaks into the refrigerator or onto floor	<p>Does the added amount of water exceed the water level line of the supply tank? ▶ The water level of the water supply tank should not exceed the water level line. Please refer to Page 23.</p> <p>Are sealing strips installed on the water tank cover (on the cover)? ▶ Please install the sealing strip (on the cover) in place on the water tank cover. Please refer to Page 32.</p> <p>Is the drip box installed in place? ▶ Please install the drip box correctly. Please refer to Page 31.</p> <p>Is cleanout at the bottom of fruit and vegetable container installed properly? ▶ Please install the cleanout correctly. Please refer to Page 19.</p>

Other

Phenomenon	Items • Cause/countermeasure
The fan in the quick cooling box rotates to blow air	Indicate that it is in demonstration mode.
The light on the inner side of the refrigerator compartment door flashes	▶ Cancel the demonstration mode. Please refer to Page 12.
There is a peculiar smell in the refrigerator.	<p>Are food (onions, ginger, garlic, etc.) with strong odor not packed in plastic wrap or sealed containers? ▶ The odor of the food itself cannot be eliminated. If you are concerned about odor diffusion, please seal the food.</p>

The following conditions are normal

Phenomenon	Causes
The outside and door seals of the refrigerator are hot	There are hidden radiator tube around the refrigerator to prevent condensation. When it is just running or when the ambient temperature is too high, you will feel that the exterior temperature of the refrigerator is high, but this will not affect the food inside the refrigerator.
The interior of the refrigerator feels sticky	For easy operation, a layer of lubricant conforming to the provisions of Japan's Food Sanitation Law is applied on the box and guide rail. If the lubricant accidentally sticks to other parts, please wipe it off.
The interior of the refrigerator is dark	Is the light in the refrigerator covered by food? ▶ Please remove the food that covers the light.
When the lower quick cooling box is pulled out, the upper quick cooling box is also pulled out together	<p>Does the food in the lower quick cooling box have contact with the upper quick cooling box? ▶ The food in the lower quick cooling box should not exceed the upper storage limit.</p>



During Transportation and Relocation

WARNING



Do not damage the refrigeration circuit

Do not damage the refrigeration circuit on the back or side of the refrigerator.

Before moving and handling

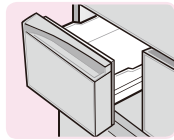
1 Take out the food in the refrigerator.




2 Pour out the water from the ice tray.

(1) Take out the water supply tank and pour away the residual water.



(2) Open the door of the ice making compartment.



(3) Put your hand close to the lower part of the refrigerator compartment door to turn on the main menu key  light, and touch the main menu key to turn on the touch panel light. Press  and  for about 10 seconds at the same time until [beeping] sound is heard, and then close the ice making compartment door.

▶ After the ice making compartment door is closed, **Quick ice** will flash.



At this time, the ice tray starts to rotate, and water and ice will be automatically poured into the ice storage box. Therefore, please make sure to close the door of the ice making compartment.

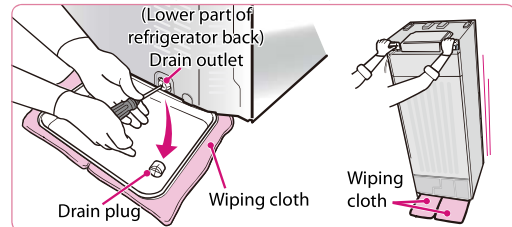
(4) After **Quick ice** flashing stops, open the ice making compartment door and pour out water and ice in the ice storage box.

(5) Clean the ice storage box, ice scoop and water supply tank with water, wipe them clean and put them back in place.

3 Pull out the power plug.

4 Remove the front decoration plate, and raise the adjustable leg to allow the bottom caster to contact the ground. If anti-overturning device is installed, it must be removed.

5 Pull the refrigerator forward to drain the water in the evaporation tray (located at the lower part of the back).
 (1) Place a water receiving container (with a height of less than 2 cm) under the drain outlet. As water may spill out, please spread rags under or around the container.
 (2) Rotate and remove the drain plug, and puncture the film deep in the water outlet with a screwdriver (not more than 2 times).
 (3) Drain the water completely until no more water flows out. As there is still a small amount of water left, hold the handling handle on the upper part of the back and tilt the refrigerator to let the water flow out until all the remaining water is discharged.
 (When the container touches the refrigerator so that it cannot be tilted, please remove the container as shown in the figure below and drain the water to the rag until all the remaining water is discharged.)



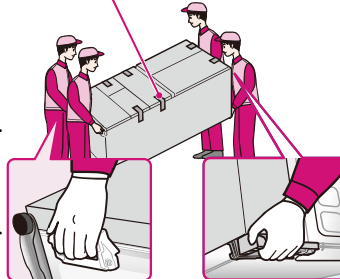
6 Close the drain plug. (To prevent water leakage, be sure to close the drain plug tightly.)

Movement, and handling

More than 2 persons are required for handling.

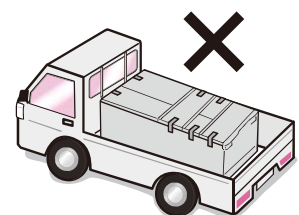
- When handling the refrigerator, please lay a protective pad on the passage first. Otherwise, the water in the evaporation tray that is not be completely drained may spill on the floor.
- When handling the refrigerator, please be sure to hold the handle rather than the door handle or door. Otherwise, the refrigerator may fall and be damaged. Worse still, the people may be injured.
- Always wear anti-skid gloves when handling the refrigerator. Otherwise, the refrigerator may fall and be damaged. Worse still, the people may be injured.

To avoid automatic door opening, please seal the door with adhesive tape.

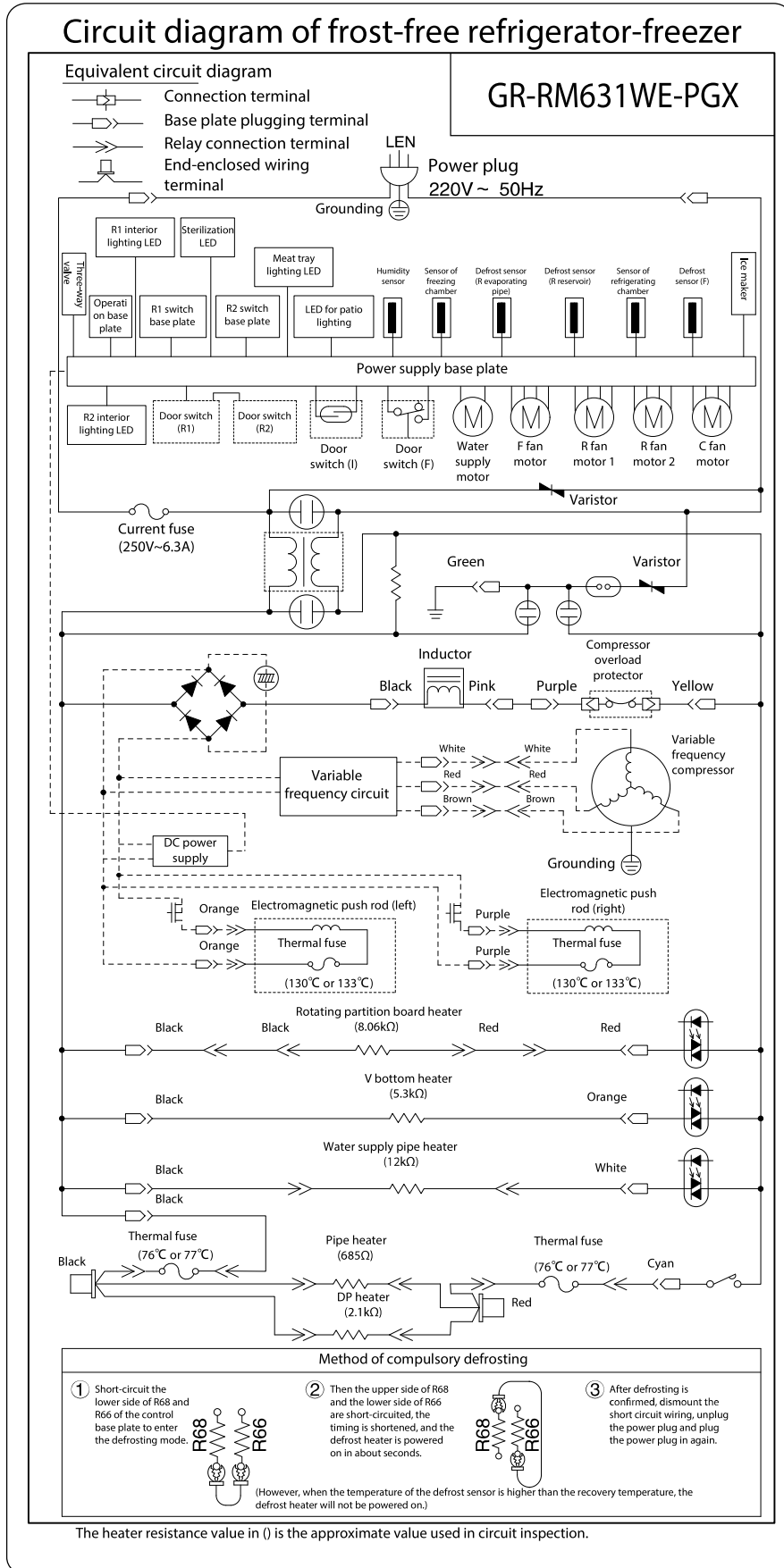


Relocation

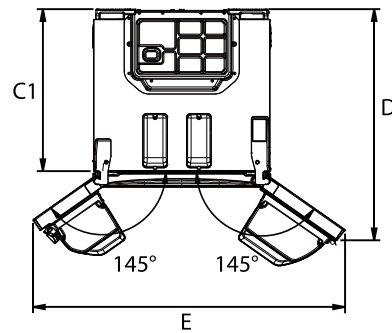
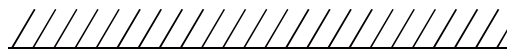
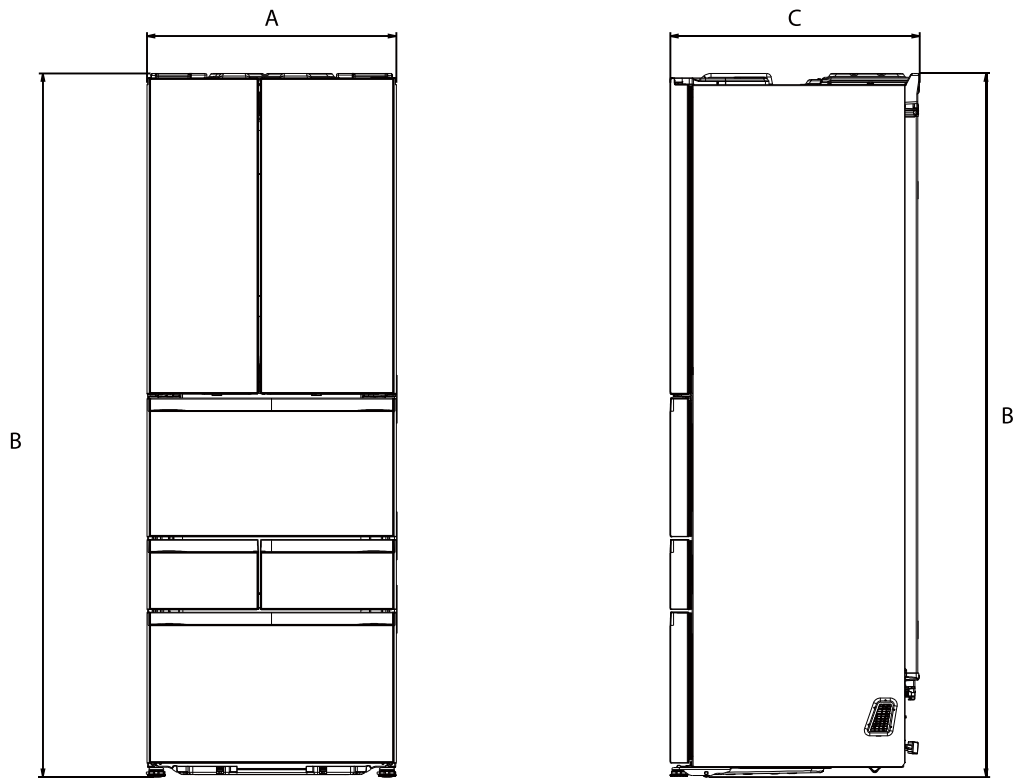
- Do not place the refrigerator flat. Otherwise, it may cause compressor fault.



Circuit Diagram



Space requirement diagram (when the door is open and when the door is closed)



Width	Overall Height	Depth	Depth Only Cabinet	Depth doors open 145°	Width doors open 145°
A	B	C	C1	D	E
685	1833	748	688	961	1205

Notice: All dimensions in mm

