

USER MANUAL

REFRIGERATOR FREEZER

For Home Use Only

GR-RM593WE-PGX(B3)



TOSHIBA

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.

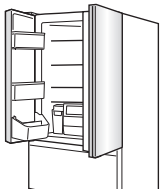
Effective temperature range
The refrigerator is designed to operate normally in the temperature range specified by its class rating.

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 often Asked by Customers

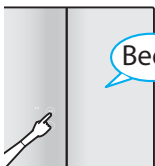
check!

Why does it not cool?



Page 33

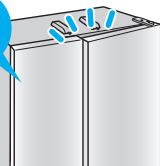
Use method of touch panel



Beep

Pages 9~14

Why can't the door close tightly?



Pages 8, 36

Storage Location and Temperature for Foods

The temperature values in the above table are measured when the ambient temperature is 32℃, the temperature regulation gear is [Medium], no food is put in, the refrigerator door is closed, and the temperature is stable. The state of food storage and the switch of refrigerator door may cause temperature changes.

After the power is turned on, wait for 3~4 hours, cool the refrigerator, and then put in the food.

Refrigerating chamber
(in the refrigerator)

Please refer to page 15.

About 2~5℃

Cooked foods, refrigerated small items, condiments, etc.



Refrigerating chamber
(door rack)

Please refer to page 15.

About 3~6℃

Condiments, canned foods, hose condiments, milk, beer, fruit juices, etc.



Fruit and vegetable chamber

Please refer to Page 17.

About 8~14℃

Sliding box of the fruit and vegetable chamber

Vegetables, fruits, etc.



Fruit and vegetable container

Vegetables, fruits, bottles, etc.



Ice making chamber
(automatic ice maker)

Please refer to Pages 21~22.

Makes ice automatically.



Quick-cooling fresh-keeping box

Please refer to page 16.

About 0~3℃

Meat, fish, dairy products, processed foods, foods that are easy to ferment or rot, etc.

- Quick freezing and thawing are carried out by the upper quick-cooling fresh-keeping box.



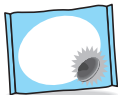
Freezing food storage chamber

Please refer to page 18.

About -16~-18℃

Frozen foods, etc.

- A chamber for fast freezing and direct freezing of vegetables.



Freezing Chamber

Please refer to page 18.

About -18~-20℃

Frozen foods, ice cream, etc.



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R600a

About refrigerants and foamed thermal insulation materials


This refrigerator uses a freon-free refrigerant (isobutane) and a freon-free foamed thermal insulation material (cyclopentane) that do not destroy the ozone layer and have no effect on the greenhouse effect of the earth. The freon-free refrigerant is a hydrocarbon with flammability. Sealed in the refrigeration circuit, it will not leak during normal use. In case of accidental damage to the refrigeration circuit, please avoid using open fire and electrical appliances, and open the windows for ventilation. Then get in touch with the dealer or call the service hotline.


Precautions and safety measures

Please make sure to comply with these items.

To avoid injuries or property losses to users or others, and to let users use this product more safely and correctly, this manual contains important contents about safe use. Please fully understand the following contents (indicative symbols and graphic symbols), then read the text, and comply with the recorded items.


Description of indicative symbols


 **WARNING** Indicates that death or serious injuries may be caused in case of misoperation.


 **Note** Indicates that minor injuries or item damage may be caused in case of misoperation.

- * Serious injuries refer to personal injuries such as blindness, burn, scald, frostbite (high temperature, low temperature), electric shock, fracture, and poisoning, which leave sequelae and require people to be hospitalized or go to the hospital for long-term treatment.
- * Minor injuries refer to burn, electric shock, and other injuries that do not require people to be hospitalized or go to the hospital for long-term treatment.
- * Item damage refers to the long-term injury to family property, raised animals or pets.

Description of graphic symbols


 Indicate the specific prohibited content in the graphic symbol, or explain that with pictures or words near the graphic symbol.

 Indicate the specific compulsory content in the graphic symbol, or explain that with pictures or words near the graphic symbol.

 Indicate the specific note content in the graphic symbol, or explain that with pictures or words near the graphic symbol.

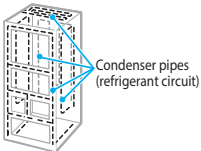
WARNING


About settings



Prohibition


- Avoid damage to the refrigeration circuit on the back or sides of the refrigerator. If the refrigeration circuit is damaged, please do not touch the refrigerator. Deal with it according to the following relevant matters and contact the dealer or call the service hotline.
 - Open the windows to replace the indoor air. (please do not use the exhaust fan)
 - Please do not use open fire or electrical appliances.





No moisture

- Do not place it in a damp place or a place easy to splash water, otherwise this may cause fire or electric shock.

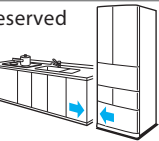
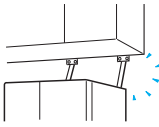



Compulsory

- Take necessary measures to prevent the refrigerator from overturning in case of earthquake or other external forces. Otherwise, the refrigerator may be injured due to overturning.
- A certain amount of space should be reserved around the refrigerator.

Please refer to page 7.

The refrigerant may linger in the air after leakage, resulting in fire and explosion.






Be sure to connect the ground wire

- When using the refrigerator in places with heavy humidity or moisture, please install ground wires and anti-leakage devices. Otherwise, fire or electric shock may be caused in case of electric leakage.

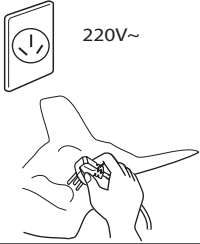
About power plug/power cord


Failure to comply with the following items may cause a fire or electric shock. Please call the service hotline for the repair of power plug and power cord.



Compulsory

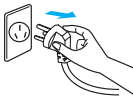
- Please use an independent 220V AC socket.
- Make sure that the power plug is fully plugged into the socket while keeping the power cord under the plug.
- Remove dust from the power plug regularly.






Compulsory


- When pulling out the power plug from the socket, please hold the plug and pull it out. When positioning the appliance, ensure the supply cord is not trapped or damaged.






Compulsory


- When the refrigerator is maintained or not used for a long time, please pull out the power plug from the socket. Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.






No wet hands

- Do not pull out or insert the power plug with wet hands.






Prohibition


- Do not use the damaged power cord and power plug, and do not use the power plug that cannot be tightly plugged into a socket.
- Do not allow power plugs and power cords to be damaged, bound, bent, pressed with heavy objects or squeezed with the back of the refrigerator.

Abnormal conditions



Compulsory

- When the refrigerator operates abnormally or malfunctions, please pull out the power plug and stop using the refrigerator. Otherwise, fire, electric shock, injury, and burns may be caused. If the refrigerator needs to be repaired, please contact the dealer or call the service hotline.
- When flammable gases (liquefied petroleum gas, natural gas, etc.) leak, do not touch the refrigerator or the power plug. You should ventilate the room first. Otherwise, sparks at the connection points of electrical appliances may cause fire and explosion, resulting in injuries and burns.



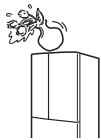
! WARNING

About the use



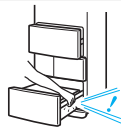
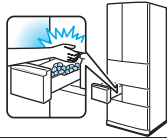
Prohibition

- Do not store flammable and explosive materials
- Do not use flammable sprays nearby. Otherwise, fire may be caused.
- Do not put medical products or academic samples into the refrigerator. Household refrigerators cannot store items with strict requirements for temperature management.
- Do not eat the foods that become smelly or change colors, which may cause food poisoning or illness.
- Do not hang or sit on the door. Otherwise, the refrigerator may overturn, the door may fall off, or your hands may be clamped.
- Do not place items on the top of the refrigerator. Falling items can cause injuries. If a container containing liquid is placed, the spilled liquid may affect the effect of electrical insulation, resulting in fire and electric shock.
- Do not use electrical products in the refrigerator. When the refrigerant leaks, fire and explosion may be caused.
- Do not collide with the glass door and glass shelf. Cracks and nicks may occur and cause injuries. When cracks or nicks occur, please do not touch them and contact the dealer or call the service hotline immediately.



No touching

- Do not touch the ice making part of the automatic ice maker with your hands (upper side of the ice making chamber). Otherwise, the rotating ice tray may cause injuries.
- Do not touch the metal guide rail of the freezing chamber and the fruit and vegetable chamber. When the guide rail moves, fingers may be clamped, causing injury.



No flushing

- Do not flush the inside and outside of the refrigerator. Otherwise, electrical insulation may be reduced, resulting in a fire or electric shock.



No disassembling

- Do not disassemble, modify, or repair the refrigerator by yourself.
- Do not open the lower and upper rear cover on the back of the refrigerator, and do not put your hands into it. Otherwise, fire, electric shock, injury, and burns may be caused. In addition, if the refrigeration circuit is damaged, fire and explosion may be caused. If the refrigerator needs to be repaired, please contact the dealer or call the service hotline.



When the refrigerator is scrapped



Compulsory

- When the refrigerator is scrapped, please deliver it to the dealer or professional scrapping organization. If the refrigerator is scrapped randomly, the refrigerant and foamed layer materials may accidentally contact the fire source and cause fire or explosion.
- When the refrigerator is scrapped, please remove the door seal. Otherwise, accidents may occur if children are locked inside.



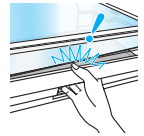
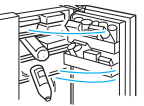
! Note

About the use



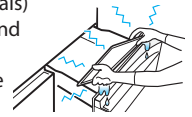
Prohibition

- Please do not let foods go beyond the rack.
- Do not place bottles that cannot reach the bottom in the front row of the double bottle rack. Otherwise, bottles may fall off and get damaged.
- Do not put bottles in the freezing chamber. Otherwise, bottles may freeze to crack and get damaged.
- Do not place your hand on the handle of the upper fresh-keeping box. Otherwise, the cap of the fresh-keeping box may clamp your finger and cause injury.



No wet hands

- Do not touch food and containers (metals) in the freezing food storage chamber and freezing chamber with wet hands. Otherwise, frostbite may be caused due to the low temperature.



No touching

- Do not put your hands or feet into the bottom of the refrigerator. Otherwise, injuries may be caused due to iron plates.



Compulsory

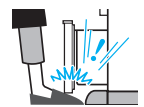
- Glass shelf (two-stage movable shelf/movable shelf/top plate of fresh-keeping box)/fresh-keeping box cap must be taken and placed with both hands. Otherwise, they may shatter after falling, resulting in injuries.

Notes for opening and closing the refrigerator door



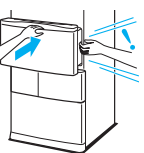
Prohibition

- Please do not slam the refrigerator door. Otherwise, falling food may cause injuries.
- Do not open and close the door of the fruit and vegetable chamber while grasping the door handle of the refrigerating chamber.
- Do not put your fingers into the side of the door of the refrigerating chamber.
- Do not put your feet near the door of the freezing chamber. Otherwise, your feet may be clamped by the gap of the door, resulting in injuries.



Compulsory

- When closing the refrigerator door, please grasp the handle. Fingers may be clamped if you grasp the top of the handle.
- Please make sure that your fingers will not be clamped by the refrigerator door, when you open or close the door or other people are in contact with the refrigerator. Injuries may be caused.

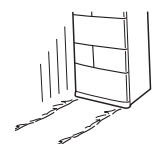


Notes for carrying and moving the refrigerator



Prohibition

- Do not use the casters under the refrigerator on an easily damaged floor. Otherwise, the floor may be damaged. Please put a protective board on the floor before moving the refrigerator.

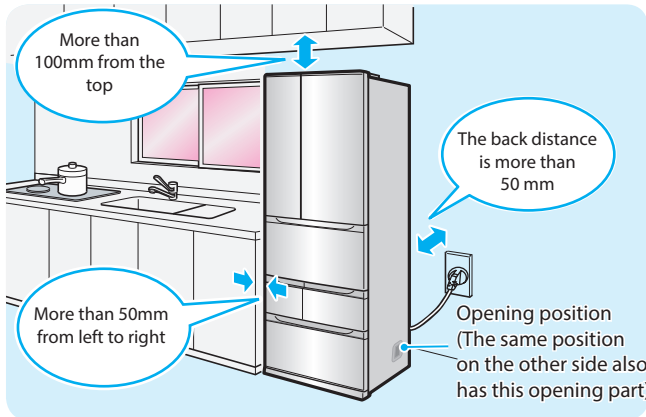


Compulsory

- Please use the carrying handles on the underside of the front and on the back to carry the refrigerator. Otherwise, injuries may be caused due to hand slipping. [Please refer to 39 page.](#)
- Install the refrigerator on a steady and firm floor. The refrigerator installed in an unstable floor is easy to overturn, resulting in injuries.

Installation Method

1 Installation



Methods to select an installation site

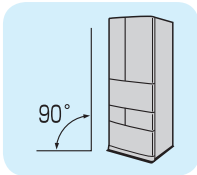
Select the place that is far away from the heat source and direct sunlight

- Avoid the reduction of cooling capacity, saving electricity.

Select the place that is flat, dry, and well-ventilated

- Condensation and rusting can be avoided.

Otherwise, vibration (noise) may be caused. When the ground is carpet, floor, PVC products, the heat on the bottom of the refrigerator will cause discoloration, please lay a stronger wooden board.



There are spaces left around

- If the space is too small, the cooling capacity will be reduced, the refrigerating time will be extended, and the electricity bill will be wasted.
- When the refrigerator is close to the wall, it may produce vibration noise and make the wall be discolored. Please separate it from the wall.
- Do not block the opening position.

Note

- Depending on the installation state of the refrigerator, sometimes phones, walkie-talkies, radios and televisions have noise or image disorders. In this case, keep these devices as far away from the refrigerator as possible.

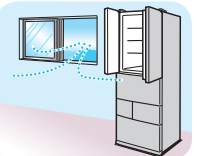
Maintenance

Wipe the inside of the refrigerator

- To facilitate the use, the food storage containers and guide rails in the refrigerator are coated with lubricants, which comply with the Japanese food hygiene law.

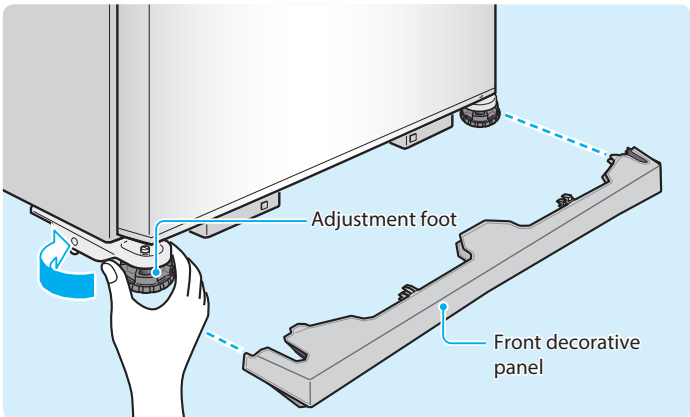


If the lubricant accidentally touches the parts other than storage containers or guide rails, please wipe it clean with a soft wet cloth.



There may be a plastic smell in the refrigerator when it is first used. Please ventilate the room so that the odor will dissipate.

2 Fixing



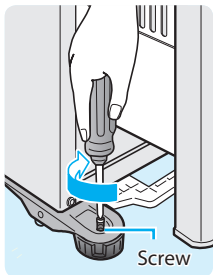
1 Adjust the adjustment foot

- Please rotate the adjustment feet on the left and right sides in the direction of the arrow until the adjustment foot touches the ground and the refrigerator no longer shakes.

When the adjustment foot cannot be rotated by hand

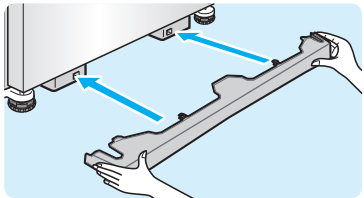
- Open the door of the freezing chamber and turn the screw of the adjustment foot with a screwdriver or other tools.

If you turn the screw of the adjustment foot too much, the screw may fall out of the screw hole.



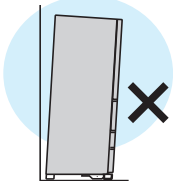
- If the refrigerator cannot be leveled after you rotate the adjustment foot, please put a pad under the refrigerator.

2 Install the front decorative panel to the designated position



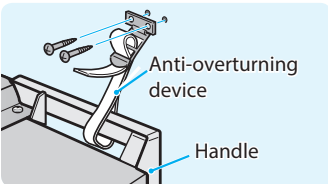
Note

- The refrigerator should be fixed horizontally to avoid leaning forward. Otherwise, the refrigerator door cannot be completely closed.



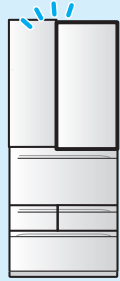
Take quakeproof measures

To prevent the refrigerator from overturning, it is recommended to pass a chain or belt through the left and right handles on the top of the back of the refrigerator to fix the refrigerator on a solid wall or pillar.

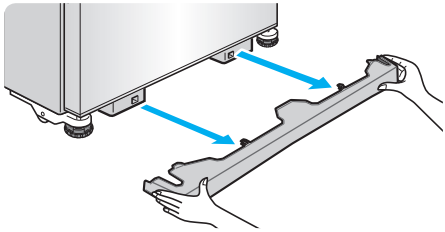


3 Adjustment

- Due to the state of the floor and the weight of the foods, the refrigerator door will descend after a few days. At that time, please adjust the parallelism of the door again.



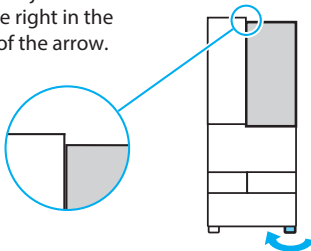
1 Remove the front decorative panel



2 Adjust the parallelism of the door

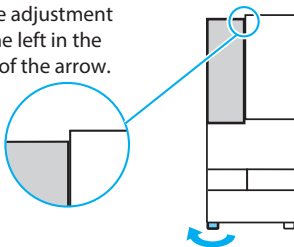
- When the height of the right door is too low

Rotate the adjustment foot on the right in the direction of the arrow.

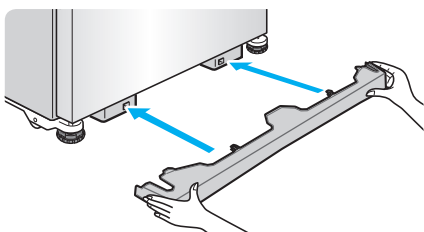


- When the height of the left door is too low

Rotate the adjustment foot on the left in the direction of the arrow.

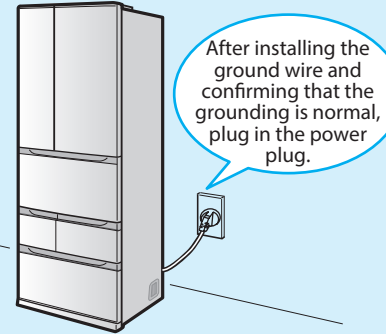


3 Install the front decorative panel to the designated position



4 Plugging in

Please let the food cool before putting it in the refrigerator. Ice making will start after the refrigerator cools down.



1 Please plug the power plug into the socket (Please use an independent 220V AC socket)

2 Please confirm whether the demo mode is on

- If the refrigerator is in the demo mode, the refrigeration system will not operate. Please deactivate the demo mode. [Please refer to page 10.](#)
- Brightness adjustment of touch panel [Please refer to Page 31.](#)

Grounding method

To prevent electric shock, grounding measures must be taken.

When the refrigerator is installed in a place with heavy humidity or moisture

Be sure to connect the ground wire.

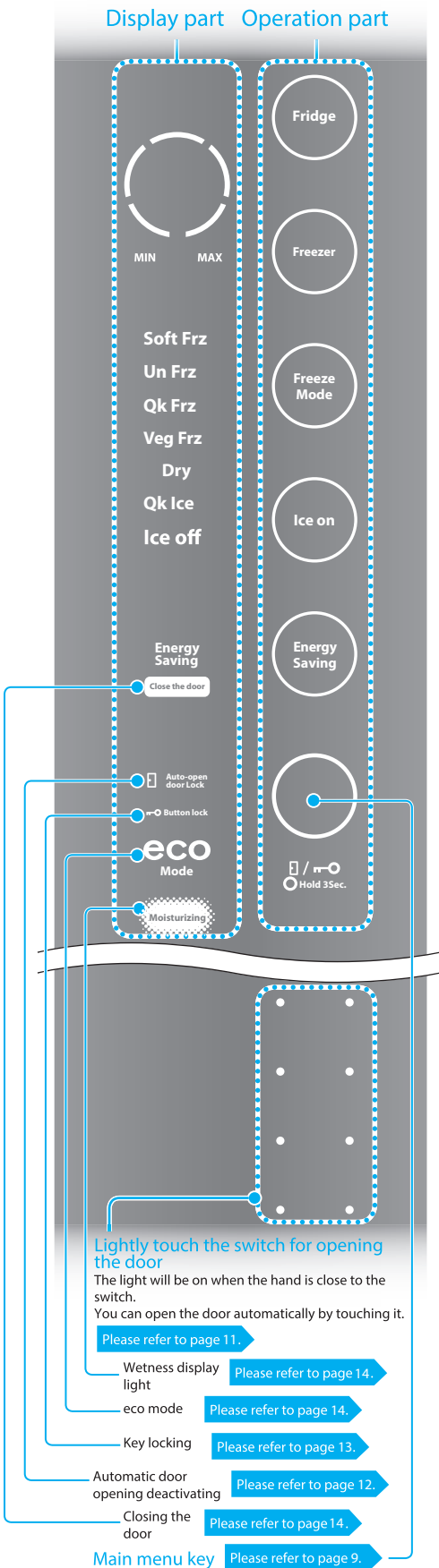
In particular, when the refrigerator is installed in a place with heavy humidity or moisture, the anti-leakage device needs to be installed, in addition to connecting the ground wire.

Functions of touch panel

Basic method of use (light off mode) When the refrigerator is first used, it has been set to the light off mode by default.

The contents shown in the figure will not be displayed in the process of use, and the example given here is for illustration only

When it is not operated, the light of tact switch turns off.



Lightly touch the switch for opening the door
The light will be on when the hand is close to the switch.
You can open the door automatically by touching it.

Please refer to page 11.

Wetness display light

Please refer to page 14.

eco mode

Please refer to page 14.

Key locking

Please refer to page 13.

Automatic door opening deactivating


Please refer to page 12.

Closing the door

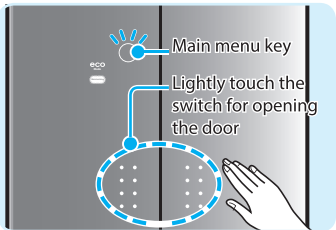
Please refer to page 14.

Main menu key

Please refer to page 9.

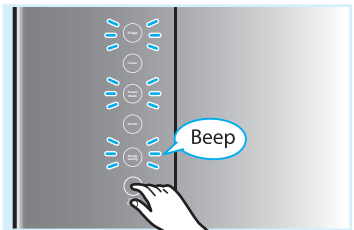
1 Put your hand close to the lower part of the door of the refrigerating chamber, and touch the door open switch and the main menu key  to light up.

- Touch the main menu key to light up the touch panel in operation part.

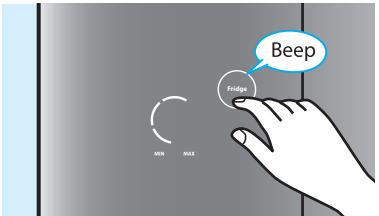


2 Touch the main menu key and the light of touch panel turns on.

- The sensing effect is the same even if you touch hard.



3 Select the operation to be performed.
After the operation is interrupted for 10 seconds, the light of touch panel turns off.



Tips

- When refrigerating chamber's door is opened, the operation part of touch panel cannot be operated even if the main menu key is touched.
- The main menu key can also maintain the constant light mode.

Please refer to page 11.

Under the following circumstances, the operation part of touch panel may not respond.

- The time interval of touching is too short (that is, the time to touch the key is too fast).
- The operation part of the touch panel is wet or dirty (stained with oil or food, etc.).
- The reaction will vary depending on the temperature and humidity of the surrounding environment, the physical condition of the user, and the running status of the surrounding electrical products.

Temperature adjustment

Refrigerating chamber

1

Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key lights up.

2

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

3

Touch **Fridge** repeatedly to set the desired temperature gear.
▶ When the required temperature gear lights up, the setting is completed.

Freezing Chamber

1

Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key lights up.

2

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

3

Touch **Freezer** repeatedly to set the desired temperature gear.
▶ When the required temperature gear lights up, the setting is completed.

Beep

Fridge

Freezer

eco Mode

MIN

MAX

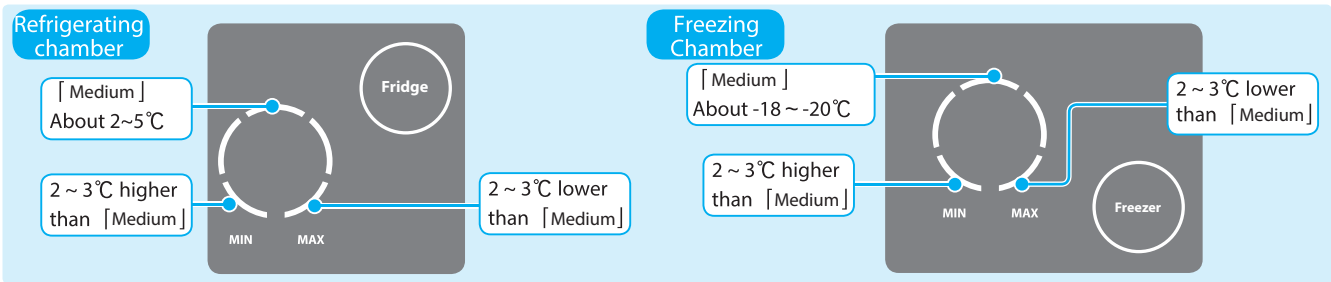
1

2

3

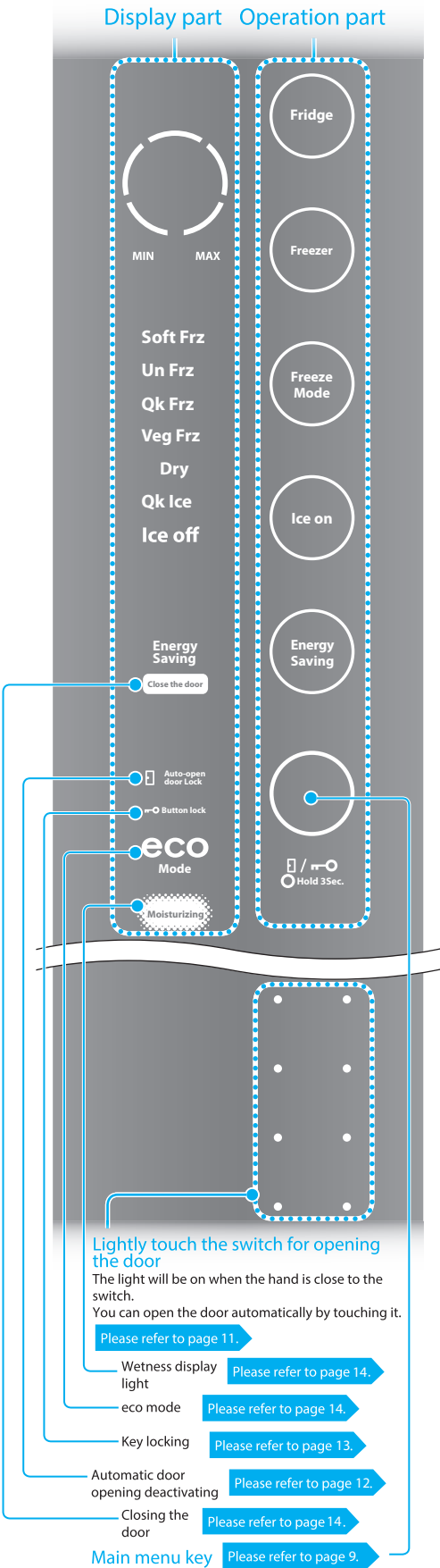
(The contents of the display panel are for illustration only)

■ Display of temperature adjustment gear and temperature in refrigerator
(The temperature values in the above table are measured when the ambient temperature is 32℃, the temperature regulation gear is [Medium], no food is put in, the refrigerator door is closed, and the temperature is stable.)



Functions of touch panel...Continued

The contents shown in the figure will not be displayed in the process of use, and the example given here is for illustration only



Lightly touch the switch for opening the door
The light will be on when the hand is close to the switch.
You can open the door automatically by touching it.

Please refer to page 11.

Wetness display light

Please refer to page 14.

eco mode

Please refer to page 14.

Key locking

Please refer to page 13.

Automatic door opening deactivating

Please refer to page 12.

Closing the door

Please refer to page 14.

Main menu key

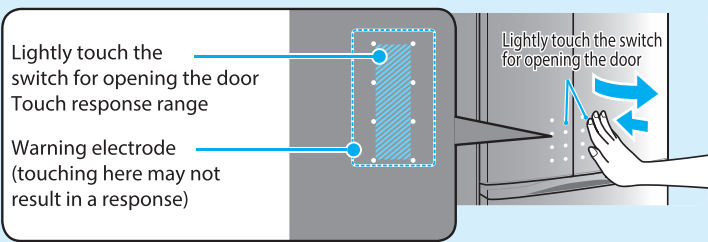
Please refer to page 9.

Lightly touch the switch for opening the door

Touch the switch, and the door will be opened automatically.

Automatic door opening

Put your hand close to the lower part of refrigerating chamber's door, make the light on by lightly touching the switch for opening the door, and then lightly touch the switch for opening the door to open the door automatically.





Tips




- Even if you touch the door opening switch on the left and right sides at the same time, the door will open from the side that the switch first senses.

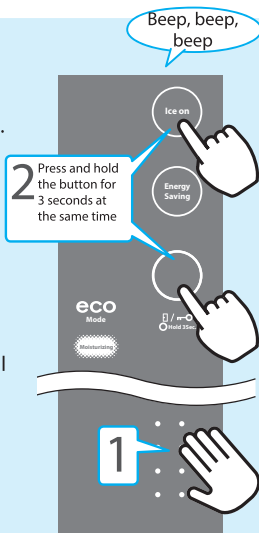
Touch the switch and the main menu key to keep the light on (constant light mode)

At this time, touch the door open switch and the main menu key,  will keep the light on.

Setting method

- Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up. Touch the main menu key  to light up the touch panel.



- Press  and  for 3 seconds at the same time until you hear a beeping sound.
 - The main menu key  and the switch for gently touching the door opening light up.




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

Deactivating method

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

Press and hold  and  at the same time for 3 seconds until a beeping~ tone sounds.

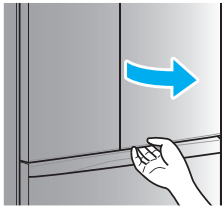
- The main menu key  and the switch light for gently touching the door are off.

When automatic door opening is not used



In order to prevent children from being naughty and misoperation, lightly touching the switch for opening the door can't be used.

※ It can be set simultaneously with key locking .



Setting method

1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key lights up.

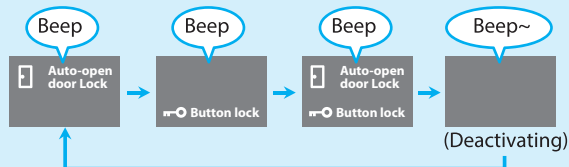
2 Touch the main menu key for 3 seconds until you hear a beeping sound.

▶ indicates that the light is flashing.



3 Touch the main menu key repeatedly to make light up.

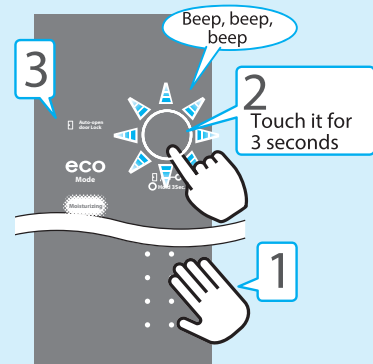
▶ Each time you touch this button, the display will switch as shown in the following figure.



After the operation is completed for about 10 seconds, lights up and the setting is completed.

▶ Lightly touch the switch for opening the door to turn off the light. When it is set to deactivate the automatic door opening,

and are on.



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

Tips

- It is impossible to implement the function of automatic door opening deactivating for single side door.

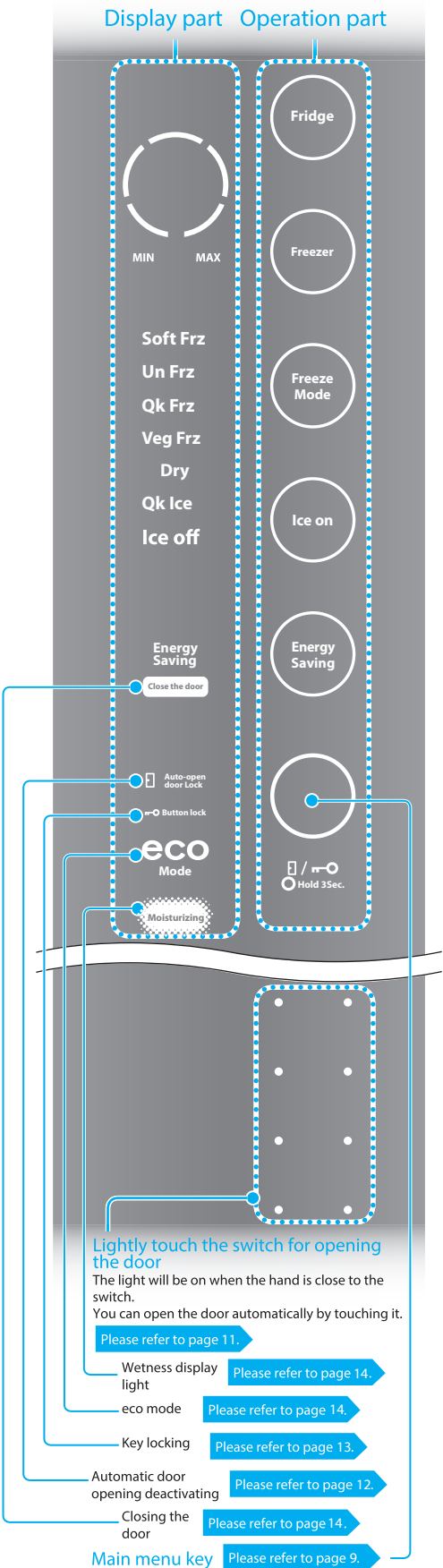
Deactivating method

1 Touch the main menu key for 3 seconds, the display light will flash, and a beeping tone will sound.

2 Touch the main menu key repeatedly to turn off the light of .

Functions of touch panel...Continued

The contents shown in the figure will not be displayed in the process of use, and the example given here is for illustration only



Key locking

Button lock

Prevent naughty children from mis-operation.

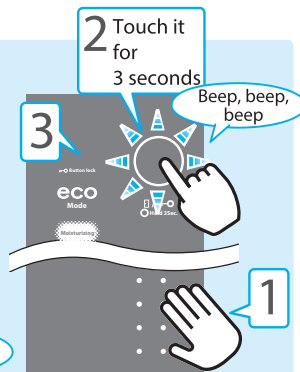
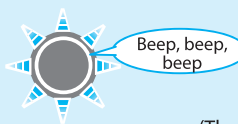
※ At the same time, you can also set the function of tapping the door open switch to disable Auto-open door Lock.

Setting method

1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key lights up.

2 Touch the main menu key for 3 seconds until you hear a beeping sound.

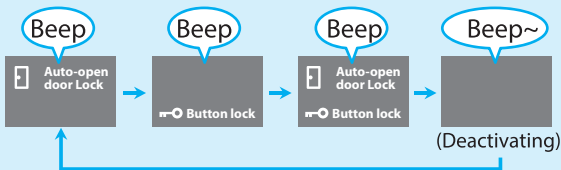
▶ Display lightFlash.



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

3 Touch the main menu key repeatedly to make light up.

▶ Each time you touch this button, the display will switch as shown in the following figure.



After the operation is completed for about 10 seconds, lights up and the setting is completed.

▶ After setting, touch panel will be no response.

The will light up when the key is set to lock Display.

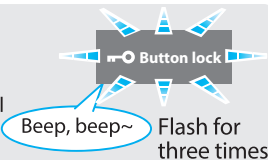
Deactivating method

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

Tips

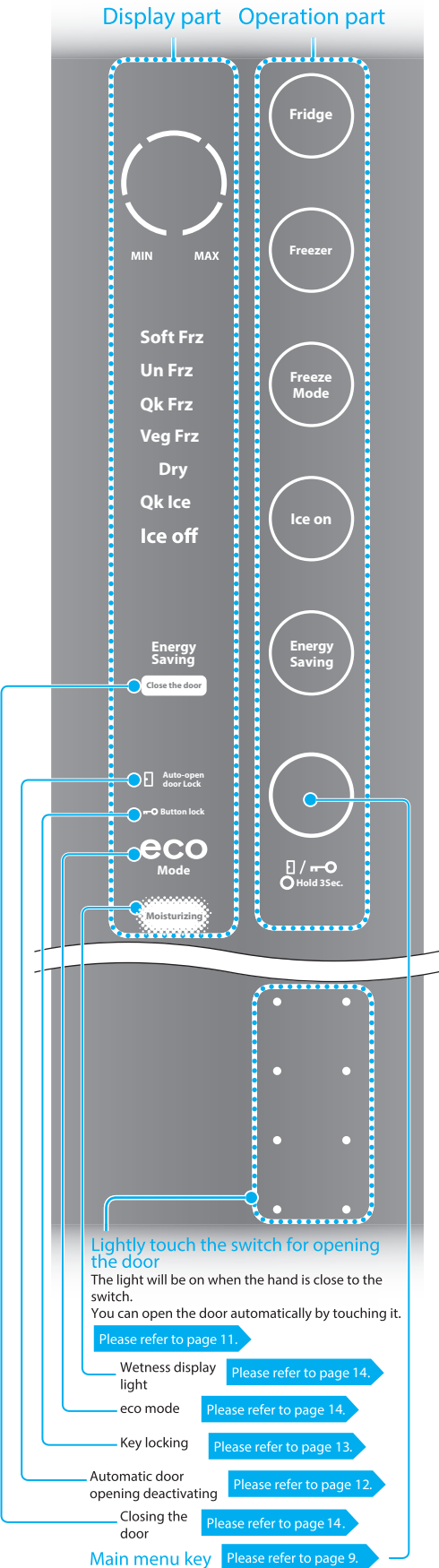
- During setting, you can not operate except deactivating locking.

If other operations are performed, will flash 3 times, indicating that it cannot be operated.



Functions of touch panel...Continued

The contents shown in the figure will not be displayed in the process of use, and the example given here is for illustration only



eco mode, wetness display light

It will be displayed when opening the door of the refrigerating chamber or touching the main menu key. It will not be displayed when the door is opened and closed several times or when the power is just turned on. eco mode



When the light is on, this means that the refrigerator is in stable refrigeration state and running on a small amount of electricity.

Wetness display light



When the light is on, this means that the refrigerator is sending wet cold air to the refrigerating chamber, the quick-cooling fresh-keeping box and the fruit and vegetable chamber.

Tips

- ECO mode and wetness display light are only used to indicate the operation status of the refrigerator, and their lights on and off are not mandatory.



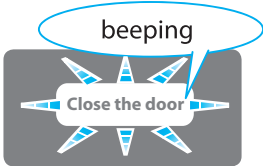
Method of Use

Closing the door

Close the door

When any door of the refrigerating chamber, ice making chamber and freezing chamber is opened for more than 1 minutes, the display light **Close the door** will flash and you will hear a warning sound (as shown in the table below).

Door opening time	Warning sound
1 minute, 2 minutes later	Seven warning sounds
3 minutes later	Continuous warning sounds



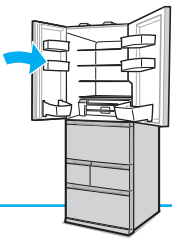
Once the door is closed, the warning sound will stop and the display light will turn off.

Close the door

Tips

- When the door is opened a little bit, you will hear no warning sound. (For example, too much food is stuffed or the food bag is clamped)

Refrigerating chamber



Outlet of the cold air

Automatic door opening and ejecting device

Indoor light (including inside of the door)

Door rack (left)

Rotating partition board

Please refer to page 15.

Two-stage movable shelf

Please refer to page 15.

Top plate of the quick-cooling fresh-keeping box

Partition boards of water tank

Double bottle rack(left)

Quick-cooling fresh-keeping box

Please refer to page 16.

Photocatalyst antibacterial and odor purification device

- Illuminate the LED light on the visible light type catalyst to make it antibacterial *1 and remove odor *2 in the refrigerator. Can not be seen from outside.

Movable shelf

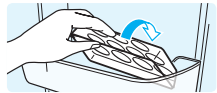
Please refer to page 15.

Interior light (inside the door)

Door rack (right)

Please refer to page 15.

- It is equipped with an egg holder. The inverted egg holder can be used as a container for small items.



Double bottle rack (right)

LED light

- Blue light is on and the ray of light is not harmful to people's eyes.

Tips

- The light in the refrigerating chamber will be turned off automatically after the door of the refrigerating chamber is opened for 10 minutes.

Note

- Water-rich foods, eggs, and beverages are easy to freeze in front of the outlet of the cold air. Please place them in the front part of the shelf.
(Carbonated beverages, in particular, may crack after freezing)

Two-stage movable shelf

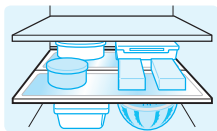
- The front shelf can be installed on the lower layer for use, and can be used to place higher food. (disassembly method Please refer to page 25.)



Both hands should be used to take out or place the heavy glass shelf!

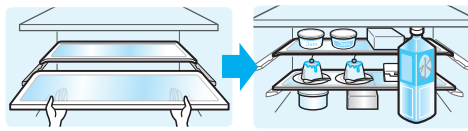
1

As a common shelf.



2

Remove the front section shelf and install it to the lower layer. You can place small pieces of food or plastic bottles here.

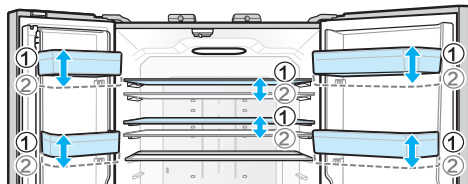


Door rack and movable shelf

- The door rack and the movable shelf can be adjusted in the height of the food. (disassembly method Please refer to page 25.)

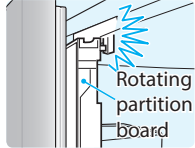


Both hands should be used to take out or place the heavy glass shelf!



Rotating partition board

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



The rotating partition board is raised



Restore the rotating partition board to its original position

- *1 Antibacterial effect of photocatalyst antibacterial and odor purification device
 - Experimental unit: Kitasato Environmental Science Center, Icai, Japan
 - Test method: The bacterial strain was placed in the 410L test box to measure the change of bacterial quantity after the action of photocatalyst.
 - Action object: fruit and vegetable chamber, refrigerating chamber, quick-cooling fresh-keeping box
 - Test result: confirmed more than 99% antibacterial effect. The results of the experiment are not empirical antibacterial effects of the actual space used.
- *2 Purifying effect of photocatalyst antibacterial and odor purification device (Toshiba Home Appliances Co., LTD., conducted a test of the effect of the net taste)
 - Clean the odor by decomposing odor molecules. Not all the odors are removed.

Refrigerating chamber...Continued

Quick-cooling fresh-keeping box

Meat, fishes and other fresh food, processed food etc. can be placed. The storage temperature is lower than that of the refrigerating chamber.

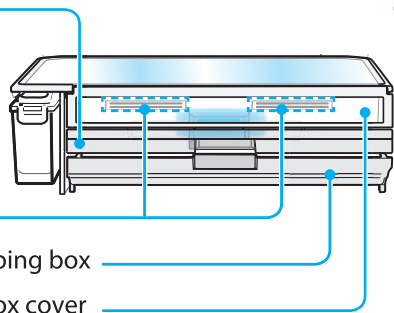
Upper quick-cooling fresh-keeping box

- It can be frozen and thawed quickly. It is usually used as a quick-cooling fresh-keeping box.

Outlet of the cold air

Lower quick-cooling fresh-keeping box

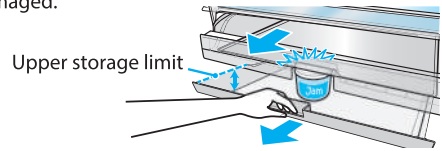
Quick-cooling fresh-keeping box cover



Note

- When storing food in the upper quick-cooling fresh-keeping box, please do not exceed the upper storage limit shown in the picture.

Otherwise, when you pull out the lower quick-cooling fresh-keeping box, the food inside will touch the upper quick-cooling fresh-keeping box, and the upper quick-cooling fresh-keeping box will be pulled out together. If it is forcibly pulled out, the parts of quick-cooling fresh-keeping box may be damaged.



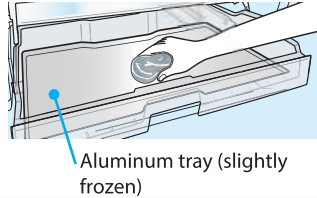
Use of fast micro-freezing and thawing functions.

Quick partial freezing

Quick cooling of meat, fishes and other fresh food without refreezing.

1 Preparation

- Place the food on the aluminum tray (slightly frozen) in the upper quick-cooling fresh-keeping box.

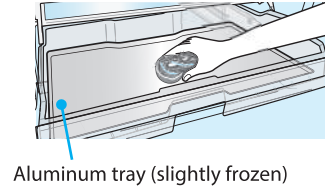


Thawing

Thaw meat, fish and other frozen foods to a cookable firmness for quicker thawing.

1 Preparation

- Place the frozen food on the aluminum tray (slightly frozen) in the upper quick-cooling fresh-keeping box.



Tips

- There is no problem for other foods to be put together on the aluminum tray (slightly frozen).

Note

- Food with much moisture is easy to refreezing when placed in front of the outlet of the cold air. Please place it at a distance.


2 Settings

Quick partial freezing


Thawing

Same operation method.

Setting method

1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up.

2 Touch the main menu key  to light up the touch panel.

3 Repeatedly touch the key  to set the required functions.

Soft Frz → Un Frz → Qk Frz → Veg Frz → Veg Frz Dry → (Deactivating)


 Each time you touch this button, the display will switch as shown in the figure above.

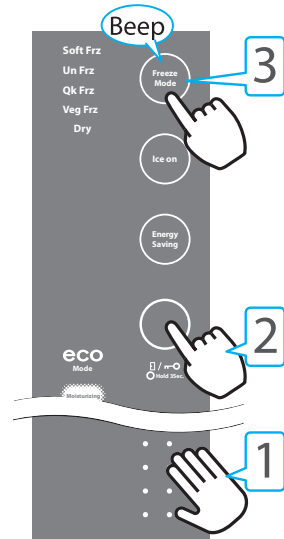
When the required function lights up, the setting is completed

After the automatic end, the display light goes out
Quick partial freezing is about 120 minutes
Thawing About 60 minutes

- Food that has been partial frozen or thawed can always be placed on aluminum trays (slightly frozen).
- When food is thick or stacked, it cannot be thawed in the given time.

When stopping halfway

The operation is the same as the setting method. Repeatedly touch the key  to turn off the corresponding function.

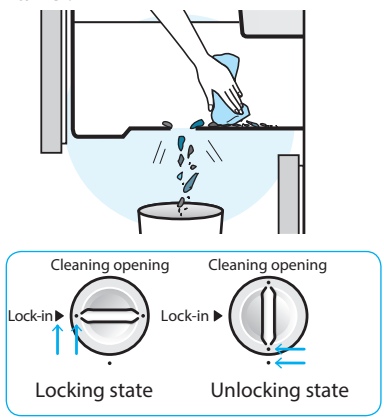
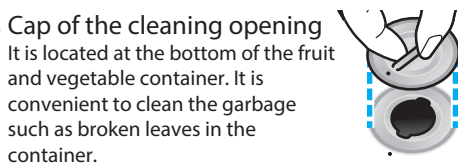
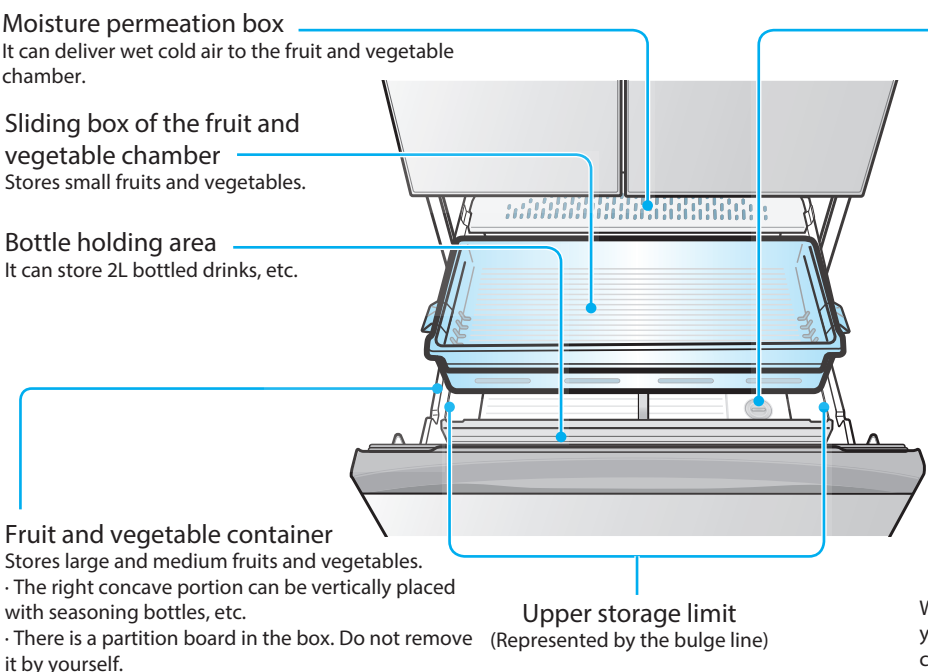
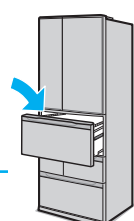


(The contents of the display panel are for illustration only)

Tips

- Quick partial freezing, thawing, quick freezing, vegetable freezing and vegetable freeze-drying cannot be set at the same time.

Fruit and vegetable chamber



When the cap cannot be taken out, you can open the fruit and vegetable chamber, put your hand under the fruit and vegetable container, and push the cap up with your hand.

※ After cleaning up the garbage, be sure to reset and lock the cap. Otherwise, the moisture in the fruit and vegetable chamber will be lost.

Tips

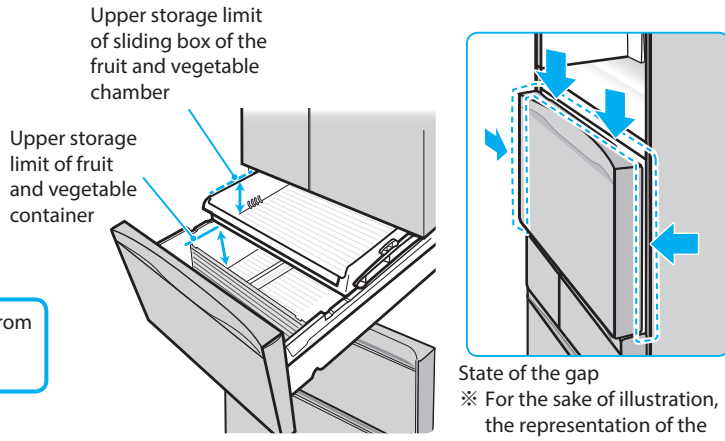
- It is normal for food in fruit and vegetable containers to have condensation on the surface sometimes.
- The water in vegetables will sometimes condense or accumulate in the container. If there is condensed water or accumulated water, please wipe it with a dry cloth.
- You will not hear the warning sound for closing the door even if the door of the fruit and vegetable chamber is not completely closed. [Please refer to page 14.](#)

- Note**
- If there is accumulated water in the fruit and vegetable chamber, please wipe it clean with a dry cloth to avoid any impact on the food.
 - Food bags and boxes may cause condensation when they block the moisture permeation boxes. Please wipe them clean with a dry cloth.
 - Please use containers or bags to seal dried foods such as rice and porphyra in the fruit and vegetable chamber.
 - According to the storage amount, type and freshness of vegetables and fruits, their preservation state will be different.
 - When the storage quantity in the fruit and vegetable chamber is fewer, it may not be possible to maintain high humidity.

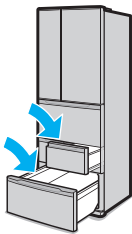
• When storing food, please do not exceed the upper storage limit shown on the right picture.

Otherwise, the door will not be completely closed, resulting in a space in the door seal. This may not only reduce refrigeration performance and cause condensation, but also damage parts.

Food that exceeds the upper storage limit will prevent the door from being completely closed. (Gaps are created)



Freezing food storage chamber, freezing chamber



Aluminum tray

It can be used for quick freezing.

Please refer to page 19.

Please keep it in factory installation state during normal use.

Vegetable freezing insulation pad

It can be used for vegetable freezing and vegetable freeze-drying.

Please refer to page 19.

Sliding box of the freezing chamber

Upper storage limit

It is on the left and right sides of the storage container.

(Represented by the bulge line)

Storage container

- There is a partition board in the box. Do not remove it by yourself.

Refrigerated container

Freezing food storage chamber

A chamber for quick freezing, vegetable freezing and vegetable freeze-drying.

Freezing Chamber

- Ice cream and other foods that need to be completely frozen should be stored in the freezing chamber.

Please store the ice-cream in the freezing chamber!



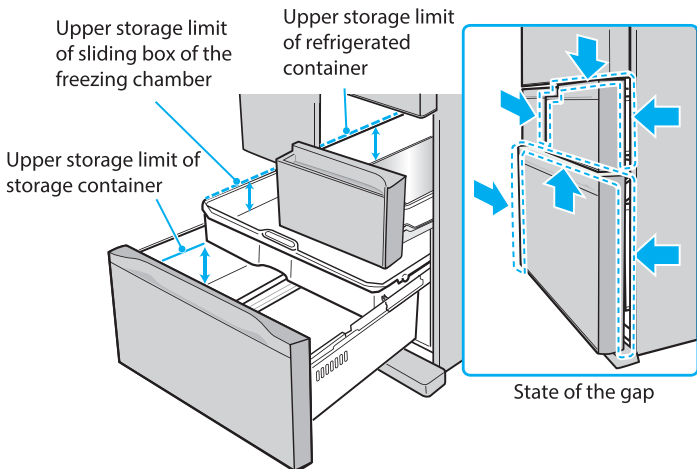
Tips

- Even if the door of the freezing food storage chamber is not fully closed, it will not send the prompt of closing the door. Please refer to page 14.
- Depending on the state of storage, food stored in the freezing chamber may frost under the following conditions:
 - When it is set to quick ice making.
 - When the refrigerator door is opened frequently, or when the refrigerator door is opened for long periods of time.
 - When the food is put in high heat.

Note

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

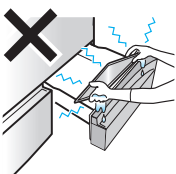
Food that exceeds the upper storage limit will prevent the door from being completely closed.
(Gaps are created)



freezing function

Notes for
freezing food

- Please choose the food with good freshness.
- To prevent food from drying, please store food with plastic wrap, sealed container, sealed bag, etc. (Except for vegetable freeze-drying)
- Please use up the food that has been thawed, otherwise, the food will go sour or have a bad taste.
- Do not touch the frozen aluminum tray with wet hands, otherwise it is easy to get frostbite.



1
Preparation

Quick Freezing

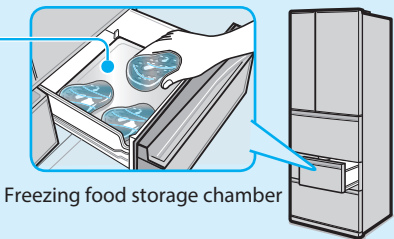
Freeze food quickly

- Put the sealed food on the aluminum tray.

Note

- Do not put food that will burn your hands (above 55°C), otherwise it may cause scald or container deformation.

Aluminum tray



Freezing food storage chamber

Direct freezing of vegetables

Vegetable freezing

It can be used for vegetables that need long-term preservation or cut vegetables

Use the vegetable freezing insulation pad in the freezing food storage chamber.
(The vegetable freezing insulation pad is under the aluminum tray)

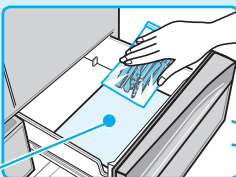
Please refer to page 18.

- 1
- Cut fresh vegetables into sizes suitable for cooking, remove water and seal them well.
To prevent vegetables from drying, please use plastic wrap or sealed container, special sealed bag for freezing, etc.



- 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



Freezing food storage chamber

Vegetable freeze-drying

Remove moisture from vegetables with dry air conditioner
It can be used to prepare vegetables for stewing, frying, etc

Use the vegetable freezing insulation pad in the freezing food storage chamber.
(The vegetable freezing insulation pad is under the aluminum tray)

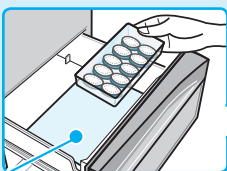
Please refer to page 18.

- 1
- Cut fresh vegetables into sizes suitable for cooking and remove moisture in the vegetables.
To prevent the stacking of fresh vegetables, please put them on a shallow unsealed container or plastic wrap.



- 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



Freezing food storage chamber

Suitable vegetables

Vegetable freezing	Vegetable freeze-drying
Cabbage	
Radish	
Carrot	
Onion	
Red pepper	
Cucurbita pepo	
Pumpkin	
Sweet potato, yam, taro (Use water to remove astringency)	
Mushrooms (shii-take, etc.)	
Broccoli	—
Asparagus	—
Rape	—
Chinese cabbage	—
Celery	—
Beans	—
broad bean	—
Tomato	—
Bean sprout	—
Potato	—
Corn	—
mushroom	—
Okra	—

※ Depending on the freshness or type of vegetables, the effect is also different, sometimes slightly poor.

Unsuitable vegetables

- Eggplant, spinach, burdock, pea horn and other vegetables with astringent taste
- Lettuce, cucumber, perilla leaf, radish seedling and other edible vegetables

It can quickly freeze warm food.
When quick freezing warm foods, please do not put them together with other frozen foods to avoid heat transfer.



When cooking

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

Quick heating from frozen state!



Cooking methods after "Vegetable freezing"

...Boil and stir-fry

Cooking methods after "Vegetable freeze drying"

...Boil, stir-fry, fried (with oil)

Please do not fry vegetables after "Vegetable freezing".

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



Note




- Do not cook in microwave oven. Because of uneven heating, the places that are not heated enough will change color.
- Please use up the food that has been thawed, otherwise, the food will go sour or have a bad taste.

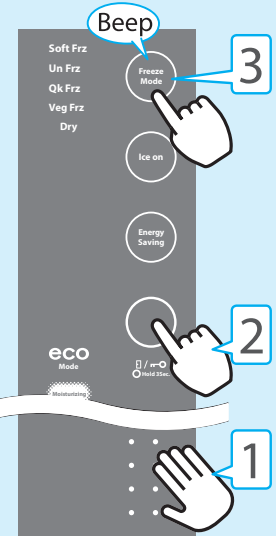
Tips

- Depending on the type of vegetables or the freshness before freezing, it may change color, taste or smell after freezing, but this will not affect the consumption.
- The shelf life of "Direct vegetable freezing" is about 1 month. (But it will vary according to the freshness before freezing.)

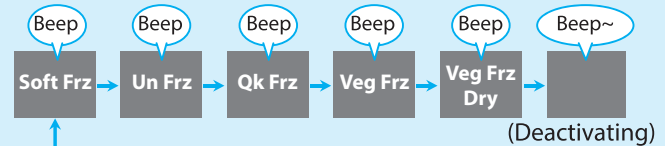
2 Setting (same operation)

Setting method

- Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up.
- Touch the main menu key  to light up the touch panel.
- Touch the  repeatedly until all setting function keys are light up.



Each time you touch this button, the display will switch as shown in the following figure.

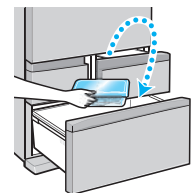


When the display light is on, it means that the corresponding function starts to operate

Automatic end (display light off)

Quick freezing(about 180 minutes)
Thawing(about 180 minutes)
Vegetable freeze-drying(about 8 hours)

Please store the vegetable freezing and vegetable freeze-drying in the freezing chamber.



When stopping halfway

The operation is the same as the setting method.

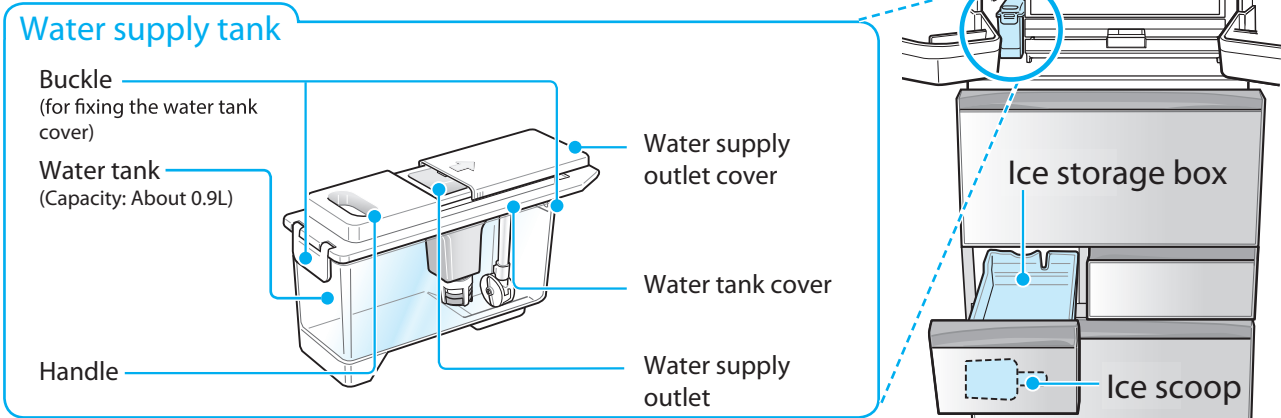
Touch the key  repeatedly to turn off the light.

Tips

- Quick micro-freezing, thawing, quick freezing, vegetable freezing and vegetable freeze-drying cannot be set at the same time.

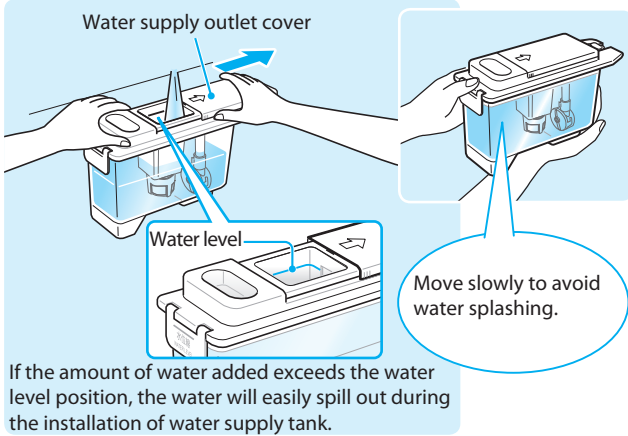
Ice making chamber (automatic ice maker)

Antibacterial treatment has been carried out for water supply tank ^{*1} and ice making tray ^{*2}

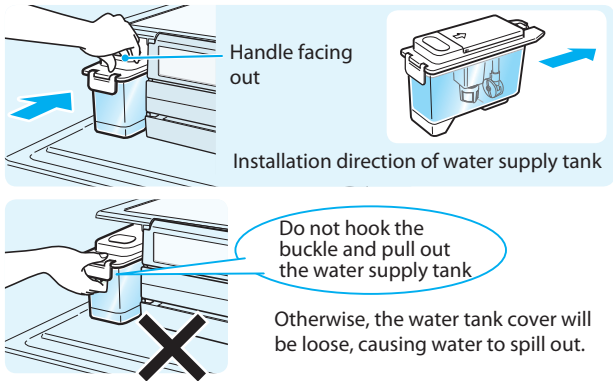


Before ice making

- 1 Open the water supply outlet cover and add water to the water level position.






- 2 Push the water supply tank inside. You can't make ice unless you push it inside.




Quick ice making

Qk Ice

Setting method

- 1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up.
- 2 Touch the main menu key  to light up the touch panel.  Touch the button repeatedly to make **Qk Ice** light up.
- ▶ **Qk Ice** Quick ice making begins.
It will end automatically in about eight hours.
(**Qk Ice** turn off)

When stopping halfway

The operation is the same as the setting method. Touch the key  repeatedly to turn off the light **Qk Ice**.




Tips

- Set quick ice making when there is no water in the water supply tank or the ice storage box is full. Even if the display light is on, quick ice making will not be performed.

When the ice making function is not used.


Ice off

Setting method

- 1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up.
- 2 Touch the main menu key  to light up the touch panel.  Touch the button repeatedly to make **Ice off** light up.
- ▶ Ice making mode is stopped.

- When stopping ice making is set, the ice or water remaining in the ice tray will fall into the ice storage box after ice making is completed, and then ice making will stop.

Deactivating method

The operation is the same as the setting method. Touch the key  repeatedly to turn off the light **Ice off**.

▶ Ice making is started.

Notes

Before ice making/the water for ice making

- Before use, please wash the water supply tank with water to prevent water dirts or micro-organisms.
- Purified water is recommended. When using mineral water for ice making, please use the mineral water with a hardness value below 100 mg/L.
- Do not put in hot water above 60°C, or liquids other than clean water such as fruit juice, otherwise, malfunction will be caused.
- Please dump the ice cubes made in the first time (about 30), because there may be peculiar smells or dirts in the ice making chamber.
- Fill with potable water only.

Hardness value is below 100 mg/L



Chlorinated water, such as mineral water and water from water purifier, is easy to breed miscellaneous bacteria and water dirts, and cause the inner wall of water supply tank to be sticky, so it needs to be cleaned carefully.



Ice making time and ice storage capacity

Ice making time	Ordinary ice making	About 2 hours each time	Ice storage capacity	When ice cubes are flattened and ice making continues	About 160
	Quick ice making	About 1 hour each time		When ice cubes pile up in some areas or the door of the ice making chamber is not opened or closed	About 50 ~ 100
	Automatic power saving	About 8 hours each time			

(The ambient temperature is 20°C and the door is not opened or closed)

- In the ordinary ice making mode, about 10 ice cubes can be made each time. The ice making time may be extended due to different running states of the refrigerator.

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

- Ice making chamber is not fully cooled at the beginning of use. Especially when automatic power saving is set ([Please refer to Page 23.](#)) or when the ambient temperature is high in summer, the ice making time may even exceed one day.
- The refrigerator door is opened and closed frequently, or a large amount of food is put in at one time.
- The room temperature is lower in the winter, or higher in the summer.
- The space around the refrigerator is too narrow. [Please refer to page 7.](#)

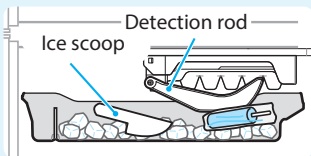
When the ambient temperature is high, the ice making time may exceed one day.



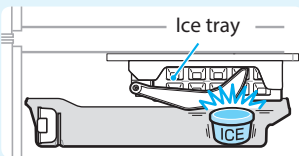
Notes for ice making

The ice making continues until the detection rod touches the ice cube.

The following situation may prevent the ice from being made even though there is water in the water supply tank

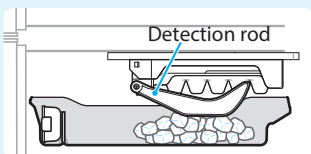


Items other than ice cubes hit the detection rod.



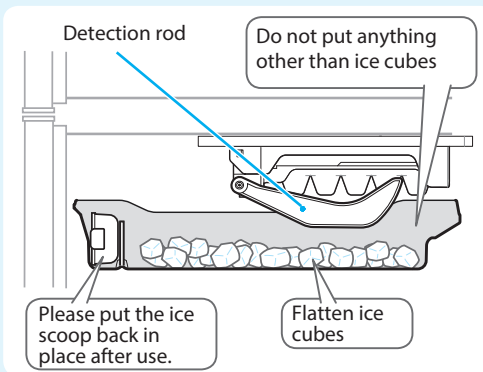
Items other than ice cubes cause the rolling ice tray to be hit or stop ice making.

The following situation may reduce the amount of ice made



Some ice cubes piling up in some areas may hit the detection rod too early, leading to ice making being stopped when ice making is insufficient.

GOOD!



- When using the ice maker, do not put anything other than ice cubes in the ice storage box. Putting something other than ice will cause collision damage or ice making stop when the ice making grid is overturned.
- When you need to store other items, please stop using the ice making function. [Please refer to page 21.](#)
- When the ice making function is enabled again, please remove other items in the ice storage box and clean the ice storage box.
- When putting other items into the ice storage box, please be careful of high items to avoid jamming the ice maker.

*1 Antimicrobial effect of water supply tank

● Test entrusting organization: Guangdong Detection Center of Microbiology
● Antibacterial method: Antibacterial material ● Antibacterial object: Water supply tank

*2 Antibacterial effect of the ice tray

● Test entrusting organization: Guangdong Detection Center of Microbiology
● Antibacterial method: Antibacterial material ● Antibacterial object: Ice tray

● Test method: membrane adhering method (GB21551.2-2010)
● Antibacterial result: It is confirmed that it has more than 98% antibacterial effect

● Test method: membrane adhering method (GB21551.2-2010)
● Antibacterial result: It is confirmed that it has more than 90% antibacterial effect

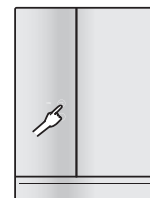
Power saving function

Automatic power saving

Energy Saving

When automatic power saving is set, approximately 10% ^{*1} of power can be saved.

When the doors of refrigerating chamber, ice making chamber and freezing chamber have not been opened or closed for more than 24 hours, the energy saving mode will automatically switch to 20% ^{*2}.






When you want to save electricity or go out for a long time, it is recommended to use the automatic power saving function.

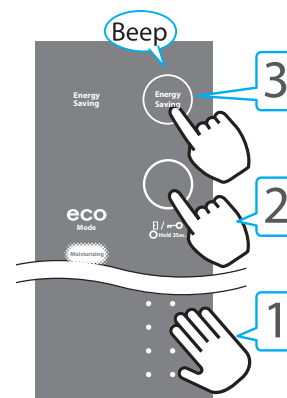
- Run at a temperature that has no effect on food. (The temperatures in the refrigerating chamber and the freezing chamber are about 1-2°C higher.)
(The temperature value is measured when the ambient temperature is 32°C, the temperature regulation gear is 「Medium」, no food is put in, the refrigerator door is closed, and the temperature is stable.)
- When set to automatic power saving, the temperature cannot be adjusted. If you need to adjust the temperature, please deactivate the settings.
- When the automatic power saving mode is set to about 20%, it will automatically switch to 10% as long as you open any door of refrigerating chamber, ice making chamber and freezing chamber.
- When switching to the automatic power saving mode of about 20%, **Energy Saving** display light will change from light on to flashing.
- The following situations may change the effect of power saving.
 - When set to quick freezing and other freezing functions
 - When the ambient temperature, the frequency of door opening and closing, the temperature regulation gear, and the amount of food storage are different
- SettingsWhen the automatic power saving mode is set, the ice making time may be extended and the ice making times may be reduced.

* 1.2 Comparison between general running and automatic power saving mode. The value measured under the experimental conditions of the company's environmental laboratory. Conditions: The ambient temperature is 32°C. The temperatures of the refrigerating chamber and the freezing chamber are both set to 「Medium」. The door has not been opened or closed. And the ice making function is in operation. The measured values are different in different use environments.

Methods of setting and deactivating

Setting method

- 1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up.
- 2 Touch the main menu key  to light up the touch panel.
- 3 Touch  until **Energy Saving** light is on.
➡ The required function lights up and the setting is completed.



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

Deactivating method

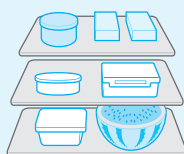
Same as setting method. Touch  until **Energy Saving** light is off.

Power saving tips

Flexible use of automatic power saving function

- Do not let the food be too crowded.

Overcrowded food storage can cause poor circulation of cold air.



- Try to reduce the frequency of opening and closing doors.

Opening and closing the door too frequently will cause the leakage of cold air, resulting in the temperature in the refrigerator to rise.





- Cool food before storage

Cool the hot food before storage to prevent the temperature in the refrigerator from rising.




Cleaning and maintenance

**WARNING**




Pull out the plug

Please pull out the power plug when cleaning the refrigerator.



No disassembling

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

- If there are stains at ordinary times, please wipe them off with a dry cloth.
- 



If there is any stain, please wipe it immediately
- Please clean the invisible areas once or twice a year.

Cleaning steps





- 1 Pull out the power plug.
- 2 Please wipe it with a soft cloth dipped in warm water
 - For neutral detergent used in a kitchen, be sure to dilute it before use.
 - After using the detergent, be sure to wipe off the detergent with a cloth dipped in water, and then wipe it with a dry cloth.

Note

- If oil or juice splashes on plastic parts, shelves, and doors, please wipe them off immediately. Otherwise, these parts may crack or discolor.
- Do not apply force to the surface or edges of the glass, for example by impact. Otherwise, the glass may be broken or chipped.
- Do not use the following items:





Alkaline detergent for kitchen or detergent marked with weak alkaline (Otherwise, plastic parts, shelves and doors, etc. may be cracked or damaged)



Grinding powder, washing powder, alcohol (ethanol, methanol, etc.), gasoline, diluent, acid, alkali, wax, petroleum, hot water, brush, etc. (Otherwise, plastic parts, shelves and doors, etc. may be cracked or damaged, or the painted surface may be damaged)

Inspection after cleaning

- After cleaning, please check the power cord and power plug to prevent electric shock or fire.
- 

Damaged power cord, overheated power plug, and loose power plug.
- 

Please wipe off the dust with a dry cloth.
- If you have any questions, please call the service hotline immediately.
- Please refer to Page 42.

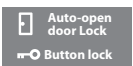
Door surface

Wet cloth or dry cloth for wiping

If there is any stain that cannot be wiped off, please wipe it with a small amount of diluted neutral detergent. Then wipe off the detergent with a rag dampened with water and finally wipe it with a dry cloth.

Touch panel

Before cleaning, please set it as automatic door opening deactivating and key locking.



Please refer to Pages 12 and 13.

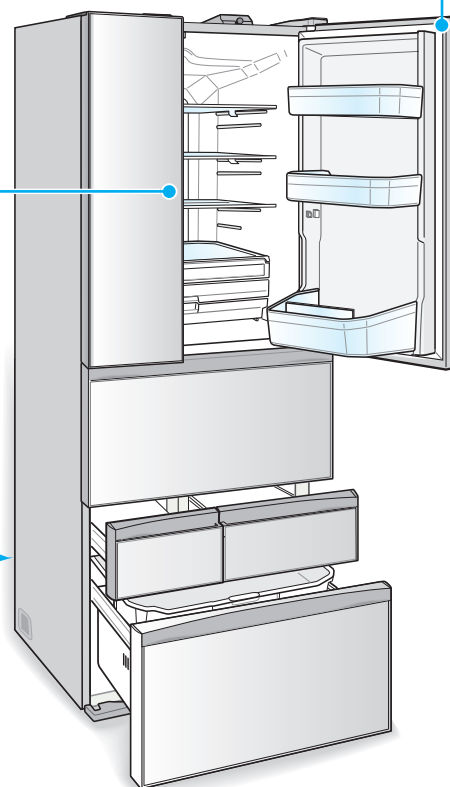
If the above settings are not carried out, the door may be opened automatically or the temperature range may be changed when cleaning.



Door seal and adsorption surface

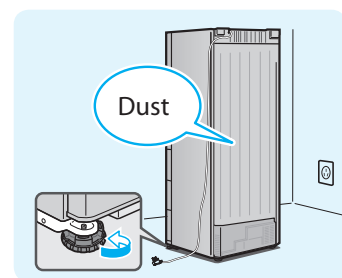
Wiping it with a wet cloth

The soiled door seal is easy to be damaged, resulting in cold air leakage.



The back of the refrigerator and the floor

- Rotate the adjusting foot until it leaves the floor and pull out the refrigerator.
- Wipe off dirt on the back, wall and floor.



Maintenance

Cleaning and maintenance...Continued

Shelf

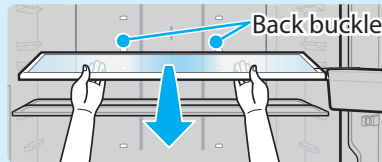
Water washing



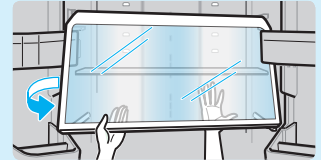
Both hands should be used to take out or place the heavy glass shelf!

Movable shelf Disassembly method

- 1 Lift the inside by hand to disengage the back buckle.



- 2 Rotate the shelf slightly and take it out.

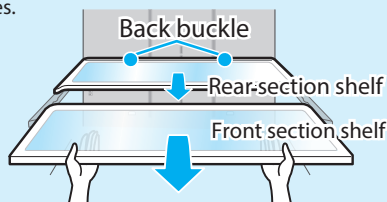


• The installation method is opposite to the disassembly method. After installation, please confirm whether the back buckle is fixed.

Two-stage movable shelf

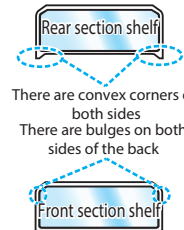
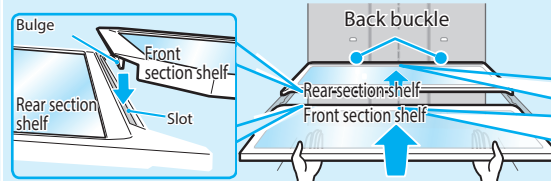
Disassembly method

Lift the front section shelf up and pull it out slightly, and then lift the inside of front section shelf to loosen back buckles.



Installation method

At first, fix the rear section shelf on the back buckle, and then snap the bulge of the front section shelf into the slot.



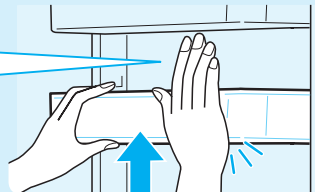
Door rack

Double bottle rack

Water washing

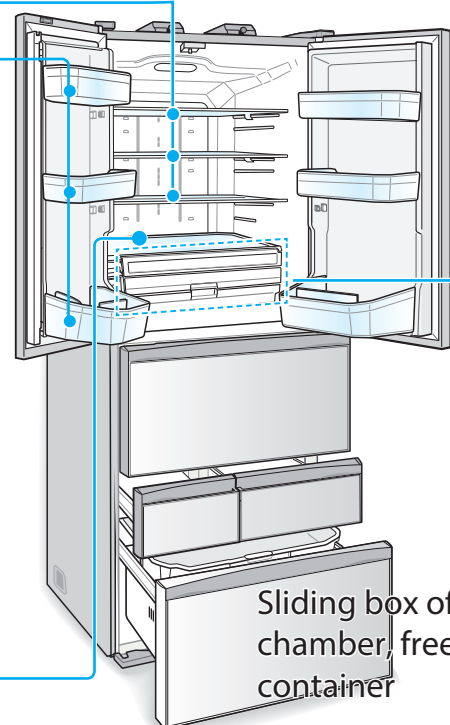
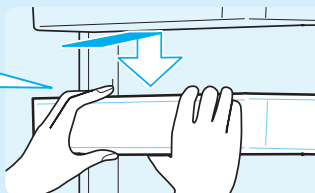
Disassembly method

Because it is installed firmly, it is necessary to alternately push up the left and right ends of the rack from below before it can be taken out.



Installation method

Put the rack horizontally and press it down.



Top plate of the quick-cooling fresh-keeping box

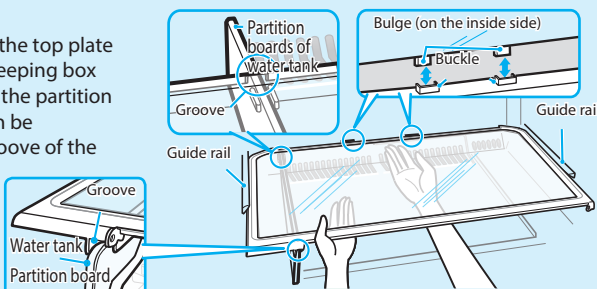


Both hands should be used to take out or place the heavy glass shelf!

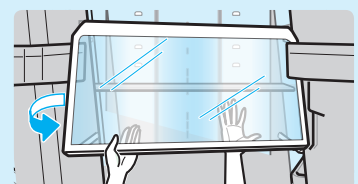
Please refer to page 25.

Disassembly method

- 1 Disengage the bulge of the top plate of quick-cooling fresh-keeping box from the buckle, so that the partition boards of water tank can be disengaged from the groove of the top plate of quick-cooling fresh-keeping box.



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



The installation method is opposite to the disassembly method.

Install it along the guide rail and clip the bulge of the quick-cooling fresh-keeping box into the buckle.

Quick-cooling fresh-keeping box **Water washing**

Quick-cooling fresh-keeping box cover



Both hands should be used to take out or place the heavy glass products!

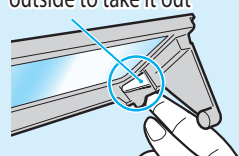
Disassembly method

Press and hold the right bulge part of the quick-cooling fresh-keeping box cover to make the bulge part disengage from the top plate of the quick-cooling fresh-keeping box. (It is installed firmly, please pay attention to it when disassembling)



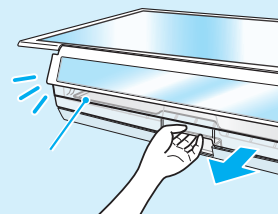
Press the bulge from the outside to take it out

The bulge can be seen from the outside



The installation method is opposite to the disassembly method.

As shown in the figure, when the quick-cooling fresh-keeping box cover is lapped to the upper quick-cooling fresh-keeping box and is not in place, please pull out the upper quick-cooling fresh-keeping box slightly to make the quick-cooling fresh-keeping box cover in place.

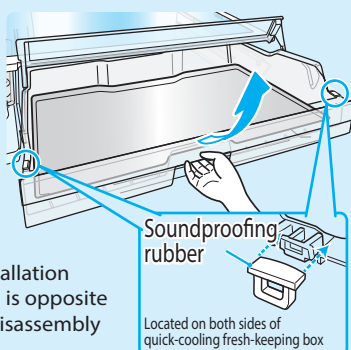


Quick-cooling fresh-keeping box

Upper quick-cooling fresh-keeping box

Disassembly method

Take it out diagonally upwards.



The installation method is opposite to the disassembly method.

Soundproofing rubber

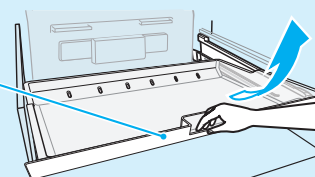
Located on both sides of quick-cooling fresh-keeping box

Lower quick-cooling fresh-keeping box

Disassembly method

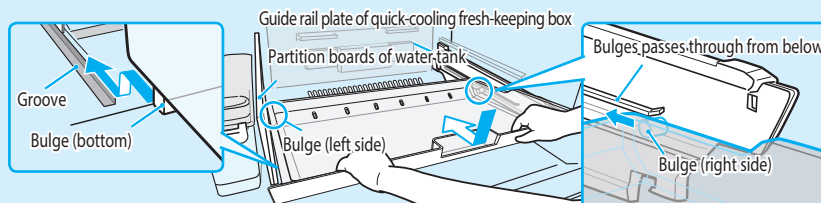
Take it out diagonally upwards.

Lower quick-cooling fresh-keeping box



Installation method

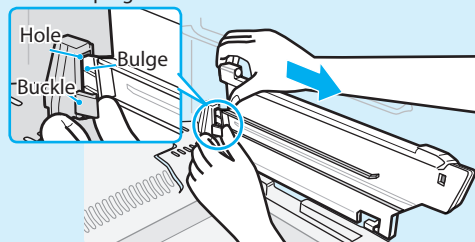
As shown in the figure, put the bulge parts at the left and right ends of the lower quick-cooling fresh-keeping box through the guide rail plate of quick-cooling fresh-keeping box and the left partition boards of water tank, and push it into place.



Guide rail plate of quick-cooling fresh-keeping box

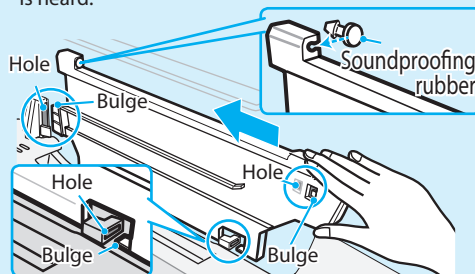
Disassembly method

As shown in the figure, break the buckle to make the bulge part come out of the hole, and then remove the guide rail plate of quick-cooling fresh-keeping box.



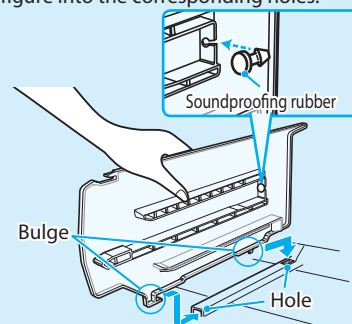
Installation method

Insert the three bulge parts shown in the figure into the corresponding holes until the sound of "clicking" is heard.



Partition boards of water tank

Insert the two bulge parts shown in the figure into the corresponding holes.



Cleaning and maintenance...Continued

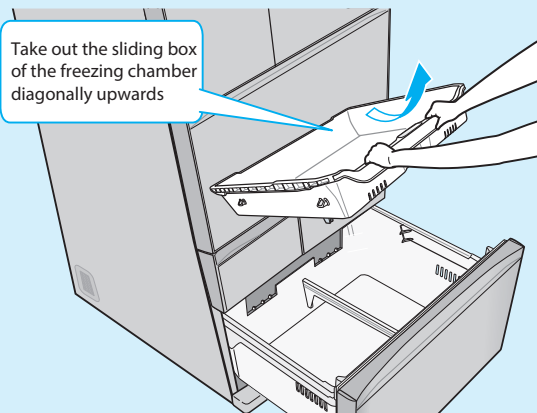
Sliding box of the freezing chamber,
freezing storage container

Water washing

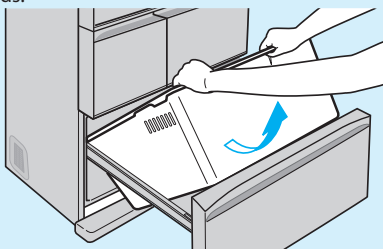
Disassembly method

- 1 Pull out the door to the maximum and take out the sliding box in the freezing chamber.

Take out the sliding box of the freezing chamber diagonally upwards

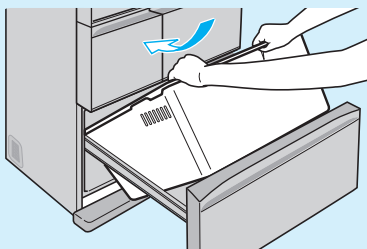


- 2 Lift the door and keep pulling it out until it touches the ground. Take out the storage container diagonally upwards.

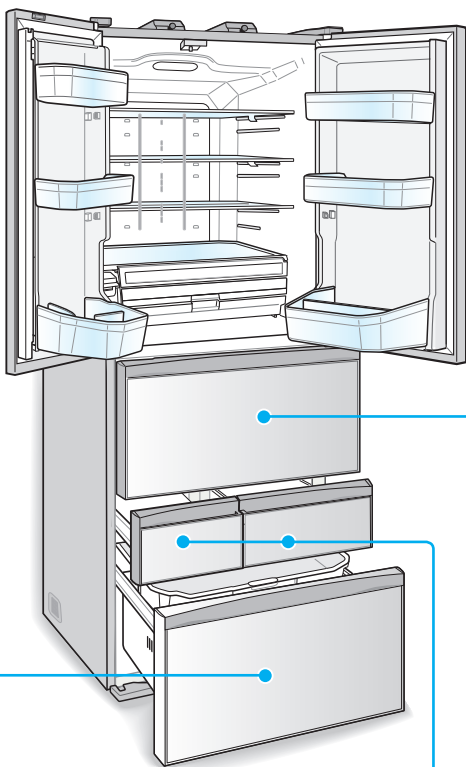
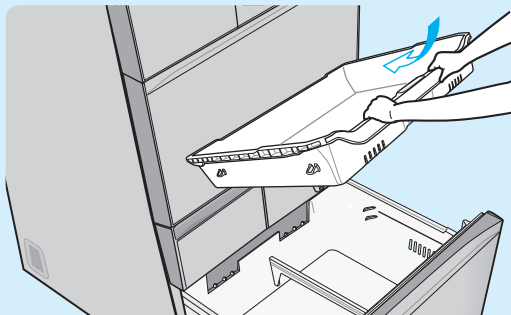


Installation method

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



- 2 Then put it into the sliding box of the freezing chamber.



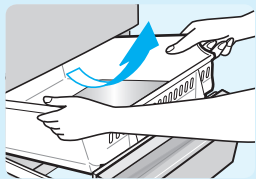
Ice storage box, refrigerated container, vegetable
freezing insulation pad

Water washing

Disassembly method

Pull it out and take it out diagonally upwards.

- The installation method is opposite to the disassembly method.



Please wash the stains with water or wipe the stains with wet cloth if the vegetable freezing insulation pad is dirty.

Note

- Wipe the water dry and put it back in place after drying.



Sliding box of the fruit and vegetable chamber, fruit and vegetable container, moisture permeation box

Water washing

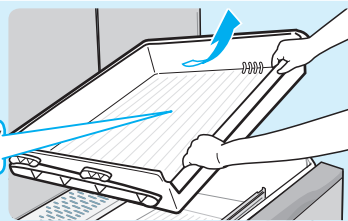
Sliding box of the fruit and vegetable chamber

Disassembly method

Pull out the door to the maximum and take out the sliding box in the fruit and vegetable chamber.

- The installation method is opposite to the disassembly method.

Take it out diagonally upwards

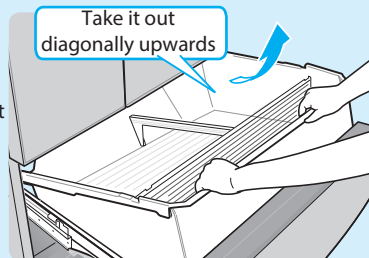


Fruit and vegetable container

Disassembly method

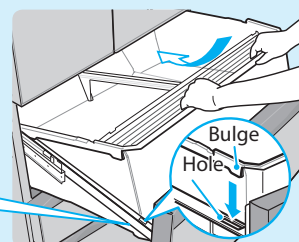
Take out the sliding box of the fruit and vegetable chamber first (if there is a moisture permeation box, please take it out), then pull out the door to the maximum, and take out the fruit and vegetable container diagonally upwards.

Take it out diagonally upwards



- The installation method is opposite to the disassembly method.

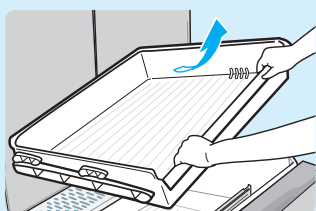
The bulge part of the box must be inserted into the hole of the guide rail



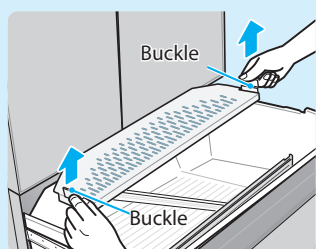
Moisture permeation box

Disassembly method

- 1 Pull out the door to the maximum and take out the sliding box in the fruit and vegetable chamber.

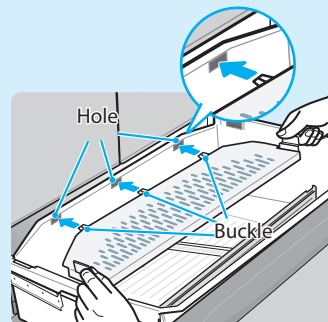


- 2 Grasp the buckles on both sides of the moisture permeation box and pull them out.

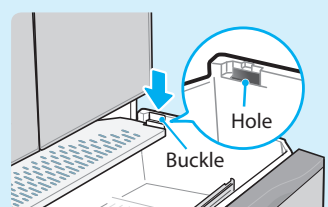


Installation method

- 1 Insert the three buckles in the moisture permeation box into the holes of the fruit and vegetable container.



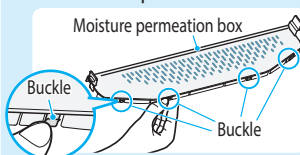
- 2 Insert the buckles on both sides of the moisture permeation box into the holes on the left and right ends of the fruit and vegetable container.



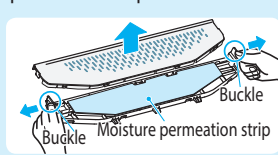
Moisture permeation strip

Disassembly method

- 1 As shown in the figure, press and hold the buckle of the moisture permeation box.

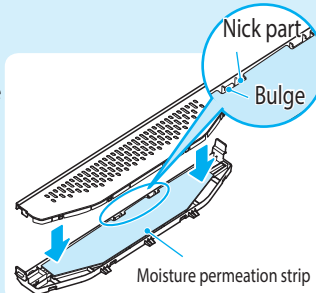


- 2 Break the buckles on both sides and take out the moisture permeation strip.



Installation method

During installation, the blue side of the moisture permeation strip should be upward, as shown in the figure, and the nick of the moisture permeation strip should face the bulge of the moisture permeation box. After installation, the moisture permeation strip should not protrude from the moisture permeation part to the moisture permeation box.



Moisture permeation box ... Wash it with water or wipe it with wet cloth

For the dirt that cannot be removed, the neutral detergent used in the kitchen can be diluted with water for cleaning.

Moisture permeation strip... Water washing

After cleaning, please wipe it gently with a cloth. If the moisture permeation strip becomes wet with water, the surface will adhere to dirt, but it will not affect the functional use.

For the dirt that cannot be removed, the neutral detergent used in the kitchen can be diluted with water for cleaning.

Note

- Please wipe the water dry on the moisture permeation box before installing the box.
- Use a sponge to clean the surface of moisture permeation strip. Do not twist or bend the moisture permeation strip, otherwise it is easy to make the moisture permeation strip wrinkle, fuzz, peel off, etc.
- Do not use hot water to contact the moisture permeation strip, and do not use a dryer or hair dryer, otherwise the moisture permeation strip will shrink.



Maintenance of automatic ice maker

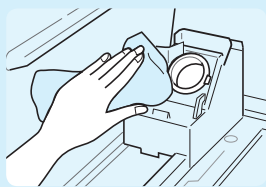


Do not disassemble, modify, or repair the refrigerator by yourself.



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

Be sure to use a soft wet cloth or sponge for cleaning, and rinse the parts to be rinsed with clean water.
(To avoid mold, water rust, etc.)



Do not use the following items:

- Detergent, bleach, abrasive powder, brush, diluent, gasoline, etc. (Otherwise, peculiar smell or malfunction may be caused.)
- Hot water (the heat-resistant temperature of each part is 60°C)

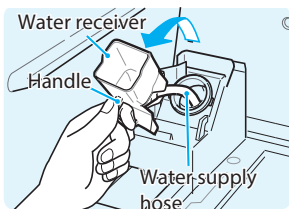


Water supply pipe

Water receiver 1 ~ 2 times/year

Disassembly method

Take out the water supply tank first, and then grasp the handle of the water receiver to take out the water receiver.

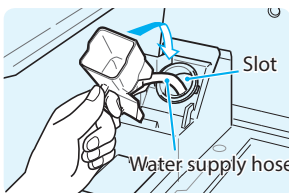


- Wipe the installation slot of the water receiver with a soft wet cloth (on the refrigerator).



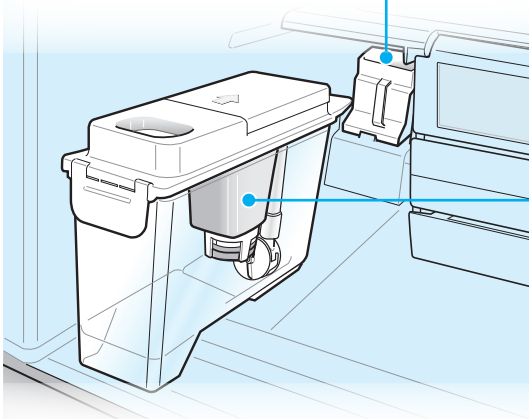
Installation method

Insert the water supply hose firmly into the slot of the water supply tank.



Note

- Do not spray or flush the slot with water or other cleaning agents, otherwise the ice maker will malfunction.
- Do not remove the water supply hose from the water receiver, otherwise water leakage may be caused.

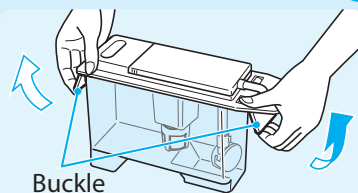


Water supply tank

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

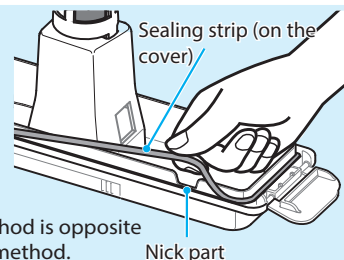
Disassembly method

- 1 Break the buckle upward to remove the water tank cover.



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

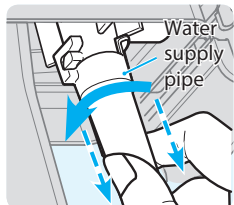
- The installation method is opposite to the disassembly method.



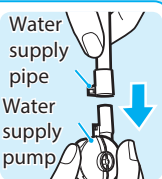
Water supply pipe, water supply pump 1 time/month

Disassembly method

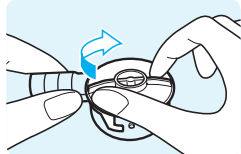
- 1 Remove the water supply pipe by rotating it in the direction of the arrow.



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



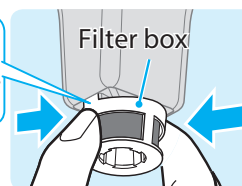
- 3 Remove the pump box cover by rotating it in the direction of the arrow.



Water filter 1 time/week

Disassembly method

- Push two sides in the direction of the arrow to remove the filter box.



Cleaning method

Water washing

- Do not poke the water filter with a sharp object, because it is easy to be damaged.
- The installation method is opposite to the disassembly method.

Impeller

Make sure that no foreign matter adheres to it.

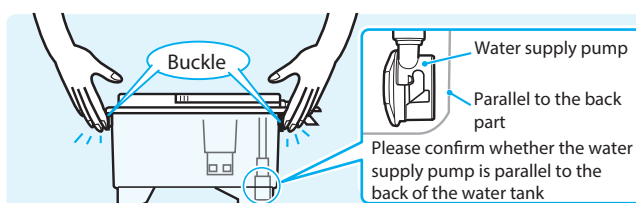
- The installation method is opposite to the disassembly method.

Please confirm that all parts are installed in place, otherwise the water cannot be supplied.

Installation method of the water tank cover

Fix the buckle of the water tank cover. When it is fixed in place, you will hear a crack. Make sure the buckle is installed in place.

If it is not installed in place, water supply and ice making will not start, or the water supply pump will make noise.



Various Solutions

Replacing indoor lights

- Professional skills are required to replace indoor lights.

Broken glass parts

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

Power failure


- Reduce the frequency of opening and closing doors and avoid storing new food.
(Otherwise, the temperature in the inside of the refrigerator will rise.)

Pulling out the power plug, or disconnecting the fuse or circuit breaker



- If the power plug is inserted again or the circuit breaker is closed immediately, the compressor will be overloaded and malfunction. Please wait five minutes before inserting the power plug or closing the circuit breaker. Different temperatures in the refrigerator and starting state of the compressor sometimes can enable the compressor protection timer. So that the power plug will not run for about 6 minutes.

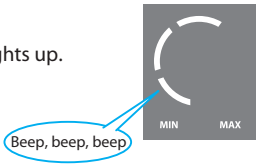
Adjust the brightness of touch panel

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


1 Put your hand close to the lower part of refrigerating chamber's door, so that the main menu key  lights up.

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

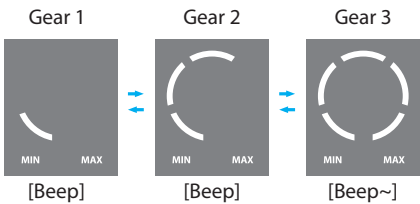
Press and hold  and  for 3 seconds at the same time, until you hear a beeping sound.



► The temperature adjustment gear displays the current brightness.

2 Touch  repeatedly to set the brightness gear.

► Three gears can be set, of which "Gear 3" is the brightest.



3 When it is not operated for more than 10 seconds, a beeping sound will be issued to complete the setting.

► Temperature regulation display is off.




Not using the refrigerator for a long time



1 Please dump the ice and water from the automatic ice maker.
(For details, please refer to the Step 2 [Please refer to 39 page](#) in the Before Moving or Carrying section)



2 Pull out the power plug and clean the inside of the refrigerator. Open the refrigerator door for two - three days to dry it.

When adjusting the temperature more accurately (temperature fine adjustment)

- The temperature of the refrigerating chamber and the freezing chamber can be fine-tuned.

1 When all doors are closed, put your hand close to the lower part of the door of the refrigerating chamber to make the main menu key  light up, touch the main menu key to make the touch panel light up, press  while pressing  for 3 times.

▶ A beeping sound will be issued, and  or  display light changes from on to flashing, thus entering the mode of temperature fine adjustment.

2 Touch  or  key repeatedly to select the temperature adjustment gear.

3 If it is not operated for more than 10 seconds, a beeping sound will be issued, and the temperature fine adjustment is completed.

After the setting of temperature fine adjustment is deactivated, general temperature adjustment can be carried out.

Tips • Each time you press the key, the temperature changes from 0.3 to 1.5℃.

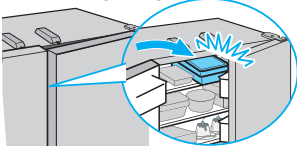
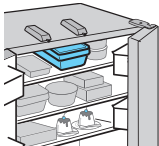

Loads of shelves and containers

Location	Shelves and containers	GR-RM593WE-PGX(B3)
Refrigerating chamber Please refer to page 15.	Movable shelf	10.5kg
	Two-stage movable shelf	9.5kg
	Top plate of the quick-cooling fresh-keeping box	9.5kg
Fruit and vegetable chamber Please refer to Page 17.	Sliding box of the fruit and vegetable chamber	6.5kg
	Fruit and vegetable container	20.0kg
Freezing food storage chamber Please refer to page 18.	Refrigerated container	8.0kg
Freezing Chamber Please refer to page 18.	Sliding box of the freezing chamber	9.5kg
	Storage container	22.0kg

Malfunctions

About cooling




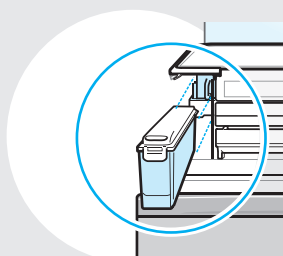


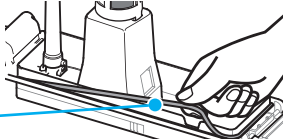

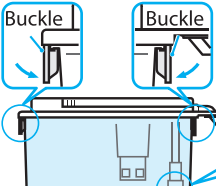
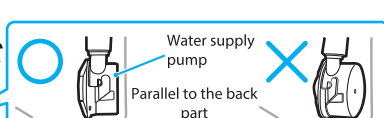
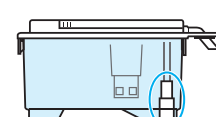
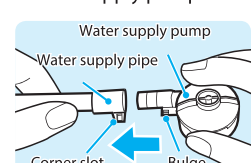
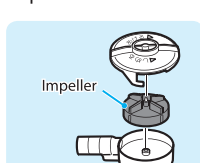
No refrigeration at all, poor cooling capacity ... Please confirm the following items in order.

Confirmation items · causes/countermeasures		
Power	Does the power supply work well? ▶ Please confirm whether the power plug is loose or falls off, and whether the main switch or fuse is disconnected.	
How long has the power been on?	▶ The refrigeration inside the refrigerator takes a certain time, and it may take more than 1 day for refrigeration in summer and other hot days.	
Touch panel	Whether the demo mode is on?	▶ Please deactivate the demo mode. Please refer to page 10.
	Is the temperature regulation gear set to [MIN]?	▶ Please set the temperature regulation gear to [Medium] or [MAX].
	Is "Energy saving" set?	▶ Please deactivate the setting. Please refer to Page 23.
Door	Is there a gap around the sealing strip of the door?	Condition of the door of the refrigerating chamber Does the food on the shelf go beyond the shelf and touch the refrigerator door, resulting in a gap? ▶ Please do not let food go beyond the shelf. 
		 GOOD!
		Condition of the doors of the fruit and vegetable chamber or the freezing chamber Is there a food bag stuck in the door, resulting in a gap? Also, does the food in the container touch the sliding box? ▶ If it does, the door will not be completely closed, resulting in the air leaking and the worse cooling effect. Please refer to Pages 17 and 18. 
	Is the refrigerator door opened frequently?	Opening the refrigerator door frequently will cause the external air (warm air) to enter the refrigerator, resulting in the temperature in the refrigerator rising temporarily. The temperature will return to normal in about one night, please pay attention to it.

Phenomena	Confirmation items · causes/countermeasures
The food in the refrigerating chamber is frozen.	Is the water-rich food put in the innermost part of the refrigerating chamber or in the quick-cooling fresh-keeping box? ▶ The innermost part of the refrigerating chamber is close to the outlet of the cold air and the temperature in the quick-cooling fresh-keeping box is lower, resulting in too fast refrigeration. Do not place the water-rich food in front of the outlet of the cold air. Please refer to Pages 15 and 16.
The food in the quick-cooling fresh-keeping box cannot be slightly frozen (soft freezing).	▶ The food in the quick-cooling fresh-keeping box usually does not freeze. (However, food placed near the outlet of the cold air may be frozen.)
When it is set to quick partial freezing, the food will not freeze slightly (soft freezing)	▶ Quick partial freezing usually does not cause food being slightly frozen (soft freezing). (However, food placed near the outlet of the cold air may be frozen.)
When set to quick partial freezing, food freezes	Is the food stored in the inner side of the upper quick-cooling fresh-keeping box? ▶ The inner position is close to the cold air blowing outlet, so it is easy to freeze. Do not put food in front of the cold air blowing outlet. Please refer to page 16.
	Do you store food with excessive moisture? ▶ Do not place the water-rich food in front of the outlet of the cold air. Please refer to page 16.
Even if thawing mode is set, the food fails to thaw	▶ When the food is thick or densely stacked, it may not be able to defrost within the given time.
Ice cream is soft	Is it kept in the freezing food storage chamber? ▶ Please put it in the freezing chamber. Please refer to page 18.

About ice making

No ice making · less ice making ... Please confirm the following items in order.

Confirmation items · causes/countermeasures		
How long has the power been on?	<p>▶ When the refrigerator is not fully refrigerated, such as the refrigerator just starts to run, the ice making time will become longer. It may take more than one day in hot days such as the summer, please pay attention to the actual situation. Please refer to Page 22.</p>	
 <p>Touch panel</p>	<p>Is the display of "Ice off" on?</p> <p>Ice off</p>	<p>Please deactivate the "Ice off" function. Please refer to page 21.</p>
	<p>Is the display of "Energy saving" on?</p> <p>Energy Saving</p>	<p>Please deactivate automatic power saving function. Please refer to Page 23.</p>
 <p>Ice storage box</p>	<p>Is anything other than ice cubes put in the ice storage box?</p> 	<p>Do not put anything other than ice cubes in the ice storage box. The item may touch the detection rod, causing the ice making to stop. The ice tray may also be damaged after being hit when it rolls, making it impossible to make ice. Please put the ice scoop back in place after use.</p>
 <p>Water supply tank · water receiver</p>	<p>Is there enough water in the water supply tank?</p> <p>▶ Please add water to the water supply tank until the water reaches the water level. Please refer to page 21.</p>	
	<p>Is the water receiver forgotten to be installed?</p> <p>Please refer to Page 29.</p> 	<p>▶ Please install the water receiver correctly.</p> 
	<p>Did you forget to install the sealing strip of the water supply tank cover (on the cover)?</p>	<p>▶ Please install the sealing strip (on the cover) on the water supply tank cover.</p> <p>Sealing strip (on the cover)</p> 
	<p>Are the buckles of water supply tank and the water supply pump installed properly?</p> 	<p>▶ Please fix the buckle.</p>  
	<p>Are the water supply pipe and impeller properly installed?</p> 	<p>Water supply pipe and water supply pump</p> <p>Please install the bulge of the water supply pump into the corner slot of the water supply pipe.</p>  <p>Impeller</p> 
Phenomena	Confirmation items · causes/countermeasures	
The ice cubes stick to each other, becoming round balls or smaller cubes.	<p>Have the ice cubes been stored for a long time? It may be the sublimation that causes the ice cubes to become round balls or smaller cubes.</p>	
The ice cubes are white or contain sediment.	<p>Are quick ice making or quick freezing modes on? Due to the faster freezing speed, the air in the water is trapped in the ice and forms bubbles, making the ice look white.</p>	
	<p>Is the water with higher mineral content (mineral water, etc.) used? Frozen minerals can form white sediment, making the ice look white, but they are harmless.</p>	


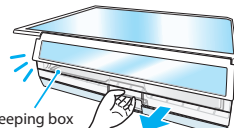
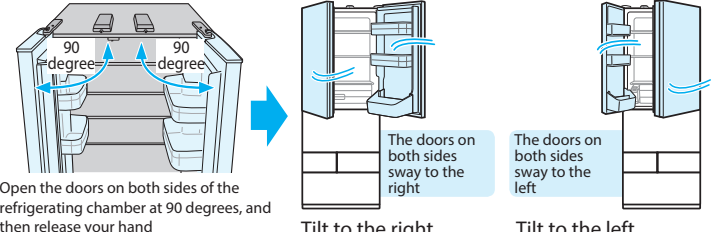
Malfunctions ...Continued

About touch panel

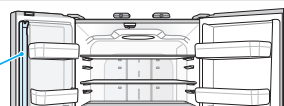
Phenomena	Confirmation items · causes/countermeasures
After touching the door open switch and the main menu key, the display light does not light up	<p>Is it normal light off mode?</p> <p>▶ At the beginning of use, it has been set to the normal light off mode by default. Put your hand near the lower part of the door of the refrigerating chamber to make the light on. You can also choose to set it to constant light mode. Please refer to page 11.</p>
Touch panel (operation part) without response	<p>Is the door of the refrigerating chamber opened?</p> <p>▶ The operation cannot be carried out with the door of the refrigerating chamber opened. Please close it before operation. Please refer to page 9.</p>
	<p>Did you not touch the illuminated main menu key?</p> <p>▶ First, put your hand close to the lower part of the door of the refrigerating chamber, touch the door open switch and the main menu key to turn on the light, and then touch the main menu key that has turned on the light to make the light on the touch panel. Please refer to page 9.</p>
	<p>Is there water or stains on the touch panel?</p> <p>▶ Use a soft cloth to wipe away the touch panel by lightly touch the switch for opening the door.</p>
	<p>Do you wear gloves or have band-aids on your hands to operate it? ▶ Please touch it directly for operation with your fingers.</p>
	<p>Is it operated with wet hands? ▶ Please dry your hands with a dry cloth before touching operation.</p>
Lightly touching the switch for opening the door does not make the switch respond	<p>Is the door of the refrigerating chamber opened?</p> <p>▶ If the door of the refrigerating chamber is opened, it will not respond. Please close it before operation.</p>
	<p>Is there water or stains on the light-touch door opening switch?</p> <p>▶ Use a soft cloth to wipe away the water or stains by lightly touch the switch for opening the door.</p>
	<p>Do you wear gloves or have band-aids on your hands to operate it? ▶ Please touch it directly for operation with your fingers.</p>
	<p>Is it operated with wet hands? ▶ Please dry your hands with a dry cloth before touching operation.</p>
	<p>In order to prevent injury, when the door is just closed, even if you touch the door opening switch, there is no response.</p>
	<p>Is it set as automatic door opening deactivating? ▶ Please deactivate this setting. Please refer to page 12.</p>
	<p>During operation, did you touch the periphery of the door opening switch?</p> <p>▶ When touching the warning electrode that detects misoperation, the door sometimes cannot be opened. Please operate it within the touch response range of lightly touching the switch for opening the door. Please refer to page 11.</p>
Lightly touch the switch for opening the door to turn off the light	<p>Is it set as automatic door opening deactivating? ▶ Please deactivate this setting. Please refer to page 12.</p>
	<p>Is the hand too far away from the door opening switch when during operation?</p> <p>▶ Please touch the door opening switch with your hand close to it during operation. Please refer to page 11.</p>
Lightly touch the switch for opening the door to turn on the light at will	<p>▶ Before lightly touching the switch for opening the door or being splashed by water, the light may be turned on. The light will turn off automatically after 10 seconds.</p>
Unable to adjust temperature	<p>Is it set to automatic power saving?</p> <p>▶ When it is set as automatic power saving, the temperature of refrigerating chamber or freezing chamber can not be adjusted. If you need to adjust the temperature, please deactivate the setting.</p>
Display light flashing	<p>Are the doors of refrigerating chamber, ice making chamber and freezing chamber closed?</p> <p>▶ If one of the doors of the refrigerating chamber, ice making chamber and freezing chamber is opened for more than 1 minute, the display light for closing the door will start to flash and give a prompt tone. Please refer to page 14.</p>
	<p>Does the " Energy saving " display light flash?</p> <p>▶ When the doors of refrigerating chamber, ice making chamber and freezing chamber have not been opened or closed for more than 24 hours, the energy saving mode will automatically switch to 20%. " Energy saving " display light will flash. Please refer to Page 23.</p>
	<p>Does the display light of quick freezing and quick ice making flash continuously?</p> <p>▶ If the refrigerator is abnormal, please call the service hotline.</p>
Display light changes successively	<p>The refrigerator enters demo mode. ▶ Please deactivate the demo mode. Please refer to page 10.</p>
Display light is dim	<p>Is it set to "Gear 1"?</p> <p>▶ Please raise the setting. Please refer to Page 31.</p>



About the door

Phenomena	Confirmation items · causes/countermeasures
The door of the refrigerating chamber is slightly displaced.	<p>▶ Please rotate the adjustment foot to adjust the parallelism of the door. Please refer to Page 8.</p>
The door cannot be closed.	<p>Is the rotating partition board not rotated and reset? ▶ Please reset the rotating partition board. Please refer to page 15.</p>
	<p>Is the food bag clamped by the door, or is the food placed beyond the shelf, causing a gap?  ▶ Please take out the clamped foods. Please do not let food go beyond the shelf.</p>
	<p>Is the quick-cooling fresh-keeping box cover lapped to the upper quick-cooling fresh-keeping box and not in place?  ▶ Pull out the upper quick-cooling fresh-keeping box slightly to make the quick-cooling fresh-keeping box cover in place. Upper quick-cooling fresh-keeping box</p>
	<p>Does the food in the containers of the freezing chamber or the fruit and vegetable chamber touch the sliding box above? ▶ Do not let the food touch the sliding box. Please refer to Pages 17 and 18.</p>
	<p>Does the refrigerator lean forward? ▶ Please rotate the adjustment foot to keep the refrigerator level. Please refer to page 7. If it cannot be adjusted, please contact the dealer or call the service hotline.</p>
It is very difficult to open the door of the freezing chamber	<p>Is it left unopened for a long time? After the water droplets on the metal guide rail are frozen, the door will not be opened and closed smoothly. After switching on and off several times, it can return to normal.</p>
The door shakes at will	<p>If only one side door shakes, there is no problem. However, if the doors on both sides shake in the same direction, this is caused by the large tilt of the refrigerator. Please adjust the horizontal placement.</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>▶ Please rotate the adjustment foot to adjust the parallelism of the door. Please refer to Page 8.</p> <p>Or put a board under the caster.</p> </div> </div> <p style="text-align: center;">Tilt to the right Tilt to the left</p>
The refrigerator shakes when the door is opened and closed.	<p>▶ Please adjust the adjustment feet on the left and right sides of the bottom of the refrigerator until the refrigerator is stable and does not shake. Please refer to page 7.</p> <p>If the adjustment of the adjustment feet cannot stabilize the refrigerator, please place a board under the adjustment feet.</p>

The following conditions are normal

Phenomena	Reason
It's very laborious to open the door just after closing it.	The air entering the refrigerator is quickly cooled, resulting in the pressure inside the refrigerator to be temporarily lower than the outside. Therefore, opening the door will be laborious.
When opening the door of the refrigerating chamber, it is more difficult to open the left door than the right door	There is a rotating partition board on the left door. Please refer to page 15.  Rotating partition board
The moment the door is closed, other doors may be opened.	Other doors are pushed open by the wind pressure generated by closing the door.

Malfunctions ...Continued

About the sound

Abnormal sounds ... the following conditions are normal.

The inside of the refrigerator

{Beep and Hiss}
are the sounds of parts rubbing against each other due to temperature changes.
This sound is easy to start after the door of the refrigerating chamber is opened for about five seconds.

Near the water supply tank

{Whoosh} It is the sound of the water supply pump.
They sound once every two hours and last about three seconds each time.
(about once an hour during quick ice making)

Near the ice maker

{Hum} It is the sound of the ice making tray rolling.
{Dong Dong} It is the sound of ices falling.
They sound once every two hours and last about three seconds each time.
(about once an hour during quick ice making)
It can be set to “停止製冰” to stop such sound.
[Please refer to page 21.](#)

Near the back

{Sound of flowing water} {Sizz}
It is the sound of the refrigerant flowing. It rings easily during defrosting.
In the summer... about once a day. In the winter... about once every two days

In the refrigerating chamber

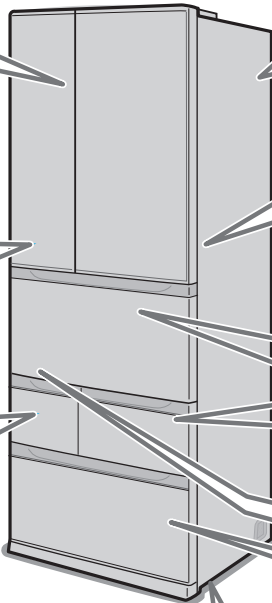
{Hum} The sound of the fan spinning when the door is closed.

When the fruit and vegetable chamber or freezing food storage chamber is opened

{Puff} It is the sound of the cooling fan spinning.
When the door of the fruit and vegetable chamber and the door of the freezing food storage chamber is opened, the fan in the refrigerator will not stop spinning, so it is easy to hear the sound of the spinning fan.

When opening and closing the door

{Pa and Hu}
It is the sound from the metal guide rail.



Lower part of the refrigerator

{Plurk, plurk, plurk} It is the sound of the running refrigerant regulating valve. In the summer... about 4 times a day. In the winter... about 1 time a day

{Fizz} It is the sound of the running compressor.

The compressor used in this refrigerator is an inverter controlled compressor.

- Variable frequency control...
The rotation speed can be controlled according to the ambient temperature or the refrigerating condition in the refrigerator, so the operation will be hardly stopped.
In the summer or when the refrigerator starts to run for quick freezing and quick ice making, the rotation speed will increase and the sound of compressor running will become louder.
In addition, compared with the compressor running/stopping repeatedly, the variable frequency compressor can save more power.

Please pay attention to the following occasions

Thudding and Dong Dong

- Is the floor firm?
- Does the refrigerator touch the surrounding walls?
- Is the refrigerator placed steadily?
- Are water supply pumps and pipes of the water supply tank installed correctly? [Please refer to Page 30.](#)

Alarm sound

- Is the door not properly closed?
If the alarm sound does not stop after all doors are closed, please call the service hotline.
(When the alarm sound cannot be stopped, you can pull out the power plug and wait five minutes before plugging it back in. The alarm sound will stop after three minutes.)

About condensation, frosting, and leakage

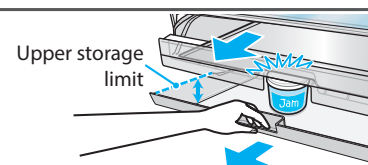
Phenomena	Confirmation items · causes/countermeasures
Frosting occurs in the freezing chamber.	<p>Is too much food put in, resulting in a gap in the door seal? When too much food is put in, the door cannot be completely closed, resulting in a gap in the door seal and frosting. Even a small gap can lead to frosting.</p> <p>▶ Do not allow food stored to exceed the upper storage limit. Please confirm whether there is a gap around the door seal. Please refer to page 18.</p>
Condensation on the outside of the refrigerator or rotating partition board	<p>Is the humidity too high? Is the door not properly closed?</p> <p>▶ Please wipe off the condensed water with a dry cloth.</p>
The inside condensation of fruit and vegetable chamber or the refrigerating chamber.	<p>Is the door opened frequently or left open for a long time? Is the door not properly closed?</p> <p>▶ Due to a high degree of moisturizing, condensation sometimes occurs on bottle and can foods. Please wipe off the condensed water with a dry cloth.</p> <p>Is the moisture permeation box blocked by food bags or containers?</p> <p>▶ When the moisture permeation box is blocked by food bags or containers, condensed water will increase. Please displace anything that is obscured.</p>
Water leaks into the refrigerator or on the floor.	<p>When adding water, does the water exceed the water level of the water supply tank?</p> <p>▶ The water in the water supply tank cannot exceed the water level. Please refer to page 21.</p> <p>Is the sealing strip installed on the water tank cover (on the cover)?</p> <p>▶ Please install the sealing strip (on the cover) in place on the water tank cover. Please refer to Page 30.</p> <p>Is the water receiver installed in place?</p> <p>▶ Please install the water receiver correctly. Please refer to Page 19.</p> <p>Is the cleaning opening at the bottom of the fruit and vegetable container properly installed?</p> <p>▶ Please install the cleaning opening correctly. Please refer to Page 17.</p>

Others

Phenomena	Confirmation items · causes/countermeasures
The LED light inside the quick-cooling fresh-keeping box flashes	<p>This indicates that it is in demo mode.</p> <p>▶ Please deactivate the demo mode. Please refer to page 10.</p>
The fan inside the quick-cooling fresh-keeping box rotates to air out	
The light on the inside of the refrigerating chamber's door flashes	
There are bad smells in the refrigerator	<p>Are foods that have strong smells (scallion, ginger, garlic, etc.) put in the refrigerator without being packaged in plastic wrap or sealed container?</p> <p>▶ The smell of the foods itself cannot be eliminated. If you are worried about the spread of the smell, please package the foods in an airtight manner.</p>

The following conditions are normal

Phenomena	Reason
The outside of the refrigerator and the door seal are hot	The built-in heat dissipation tube is hidden around the refrigerator to prevent water from condensing on the refrigerator. When the refrigerator is just running or the ambient temperature is too high, the temperature on the outside of the refrigerator is slightly high, but this will not affect the food inside the refrigerator.
Stickiness inside the refrigerator	To facilitate the operation, the boxes and guide rails are coated with lubricants, which comply with the Japanese food hygiene law. If the lubricants accidentally adhere to other parts, please wipe them off.
Dimness inside the refrigerator	Is the light in the refrigerator blocked by the food? ▶ Please remove the food blocking the light.
When the lower quick-cooling fresh-keeping box is pulled out, the upper quick-cooling fresh-keeping box is also pulled out	<p>Does the food in the lower quick-cooling fresh-keeping box touch the upper quick-cooling fresh-keeping box?</p> <p>▶ Please do not place the food in the lower quick-cooling fresh-keeping box beyond the upper storage limit.</p>



Carrying or Moving House



WARNING



Do not damage the refrigeration circuit

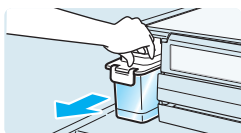
Avoid damage to the refrigeration circuit on the back or sides of the refrigerator.

Before moving or carrying

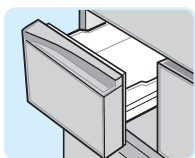
1 Take out the foods in the refrigerator.

2 Dump the water from the ice tray.

- (1) Take out the water supply tank and dump the remaining water.



- (2) Open the door of the ice making chamber.



- (3) Put your hand near the lower part of the door of the refrigerating chamber, make the main menu key light up, touch the main menu key, make the light on the touch panel light up, press and hold **Freezer** and **Ice on** for about 10 seconds, until you hear a beeping sound, and close the door of the ice making chamber.

- After closing the door of the ice making chamber, **Qk Ice** flashes.



At this point, the ice tray begins to rotate, and water and ice are automatically dumped into the ice storage box. Therefore, be sure to close the door of the ice making chamber.

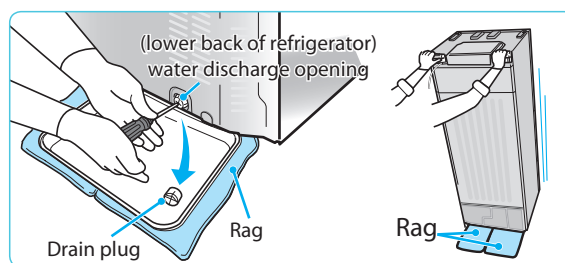
- (4) After the light of **Qk Ice** stops flashing, open the door of the ice making chamber and dump the water and ice from the ice storage box.
- (5) Wash the ice storage box, ice scoop, and water supply tank with water. Then wipe up the remaining water and put them back in place.

3 Pull out the power plug.

4 Remove the front decorative panel and raise the height of the adjustment foot so that the casters at the bottom contact the ground. If anti-overturning devices are installed, they must be removed.

5 Pull the refrigerator forward to drain the water in the evaporating pan (located at the lower back).

- (1) Place a container to catch the water (less than 2cm in height) under water discharge openings. Since water may spill out, please lay a rag under or around the container.
- (2) Turn and remove the drain plug, and use a screwdriver to puncture the film in the depth of the water discharge opening (no more than 2 times).
- (3) Drain the water completely until no more water flows out. Since there is still a small amount of water left, please grasp the carrying handles on the upper part of the back, tilt the refrigerator and let the water flow out until all the remaining water is discharged. (When the container touches the refrigerator and the refrigerator cannot be tilted, please displace the container as shown in the figure below and let the water drain onto the rag until the residual water is completely discharged.)



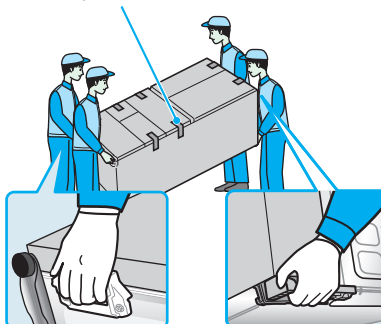
6 Close the drain plug. (To prevent water leakage, please be sure to close the drain plug.)

Moving and carrying

More than two people are needed to carry the refrigerator.

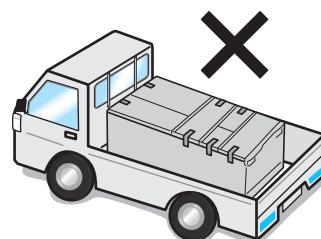
- When carrying the refrigerator, please lay a protective mat on the passageway first. Otherwise, the water that is not completely discharged from the evaporating pan may spill on the floor.
- When carrying the refrigerator, be sure to hold the handle instead of the door handle or door. Otherwise, the refrigerator may fall and be damaged, or people may be injured.
- When carrying the refrigerator, be sure to wear slip-proof gloves. Otherwise, the refrigerator may fall and be damaged, or people may be injured.

To prevent the refrigerator door from opening automatically, please seal it with tape.

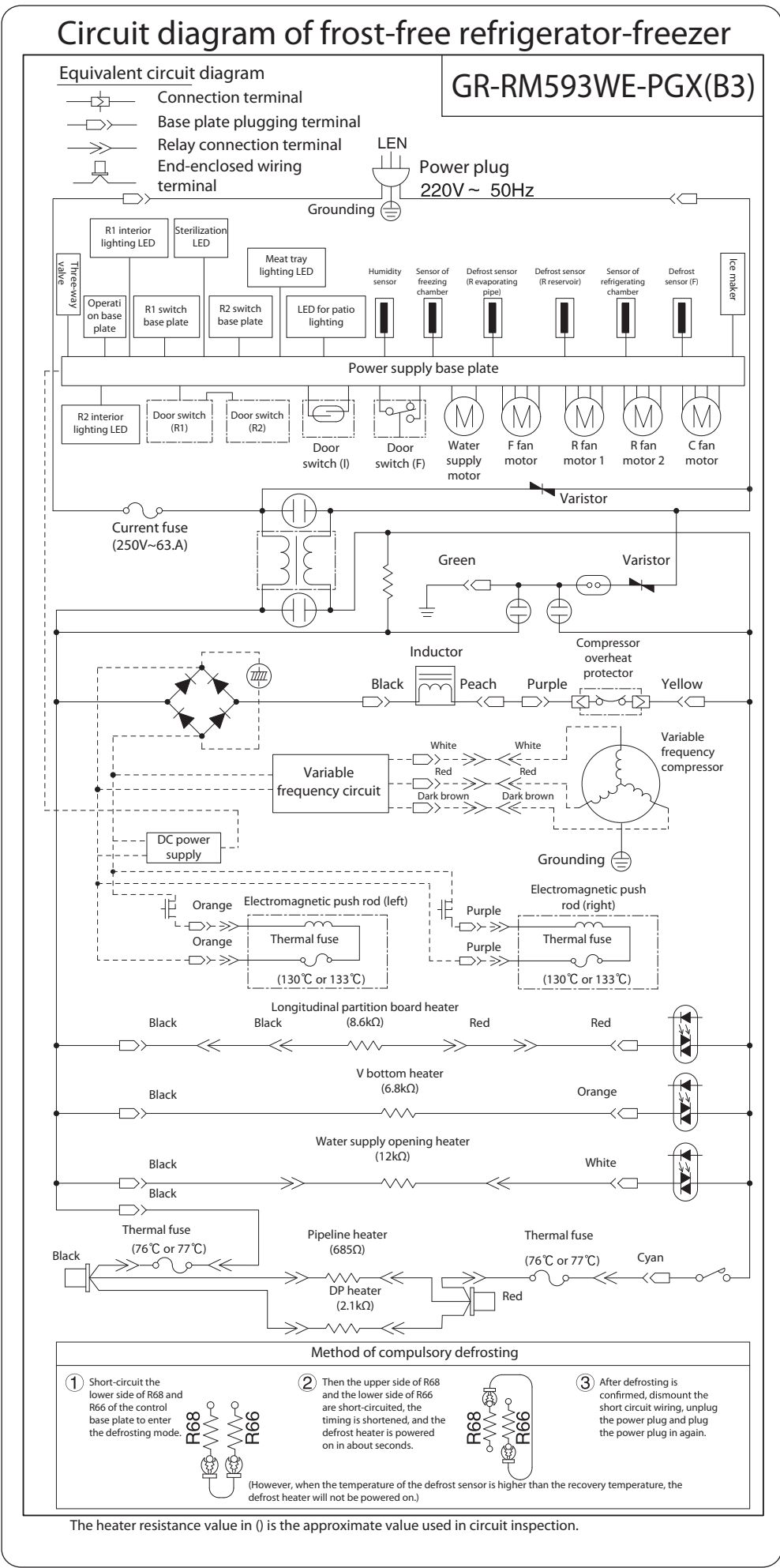


Moving house

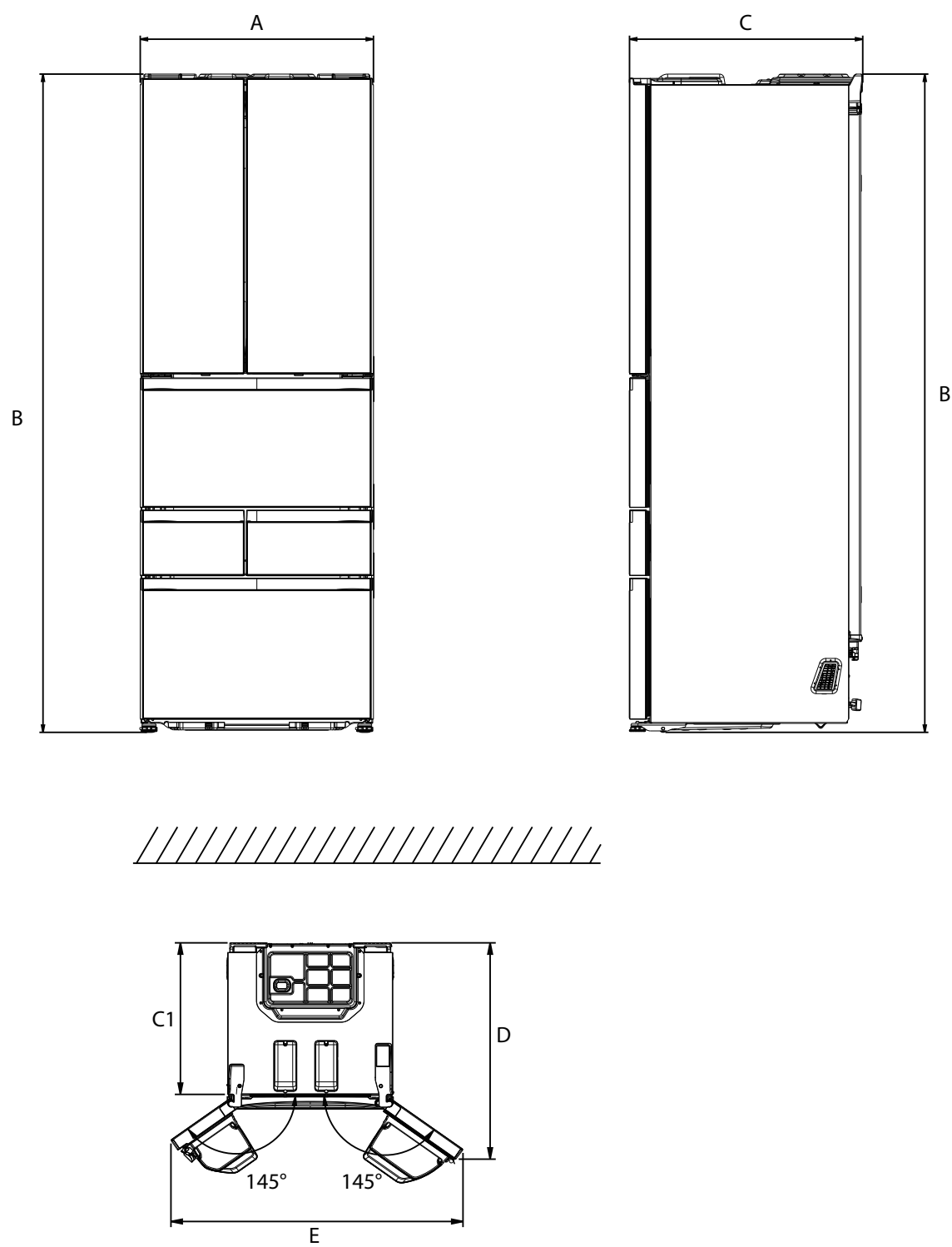
- Please do not put the refrigerator flat, otherwise the compressor will malfunction.



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
650	1833	652	592	845	1141

Notice: All dimensions in mm

#DetailsMatter

version:(XXXX-A)

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