

INSTRUCTION MANUAL

REFRIGERATOR-FREEZER

For household use

Model **R-ZXC740WH** **R-ZXC740WS**
R-WXC740WH **R-WXC740WS**



Made in Japan

6 doors

Thank you for purchasing a Hitachi refrigerator. This refrigerator is designed for home use only. Do not use this refrigerator for commercial use or for any purpose other than storing food. Please keep this manual, together with your warranty, in a safe place. If you hand this refrigerator over to another party, pass on this manual as well.

Please read “Safety Suggestions” in this manual to ensure correct usage and safety before use.

→Pg.4-7

Tips for using the refrigerator wisely for energy savings

1. Reduce the rate of opening and closing of doors.

Frequent opening and closing leads to waste of energy.

2. Do not overfill the refrigerator.

Overfilling the refrigerator prevents smooth circulation of cool air, even cooling throughout and consumes unnecessary power. Place food that you can see the back wall of the refrigerator.

3. Do not place hot food in the refrigerator.

Placing hot food in the refrigerator raises the temperature, which, in turn, raises the temperature of surrounding food.

4. Provide sufficient spacing around the refrigerator.

Installing the refrigerator with insufficient clearance between the refrigerator and surrounding objects prevents the release of heat and thus leads to waste of energy.

5. Replace door gaskets if damaged.

Cool air can leak through damaged gaskets, which leads to waste of energy. If a business card inserted between the gasket and the refrigerator slides down, the gasket needs replacing.

FREQUENTLY-ASKED QUESTIONS (FAQs)

If you cannot make ice

→ Pg. 43

If the refrigerator is not cold

→ Pg. 42

If frost or condensation is formed

→ Pg. 45, 48

CONTENTS

BEFORE USE

SAFETY SUGGESTIONS	4
BEFORE USE	8
Preparation before use	8
PRECAUTIONS FOR THE USE OF WIRELESS LAN FEATURES ...	10
ABOUT THE APP FEATURES	13
CONNECT TO THE SMARTPHONE	14
HOW TO USE OTHER WIRELESS LAN FEATURES	16
On the updating the unit's software	17
CHECK	18
Name of each compartment • Estimated temperature • Food storage recommendations ..	18
Functions of the Control Panel	19
Auto Door	20
Using Auto Refrigerator Door	21
Using Auto Drawer	21

HOW TO USE

REFRIGERATOR COMPARTMENT	22
Name of each part	22
Adjusting the temperature (Refrigerator Compartment) ...	22
Adjusting the height of pockets and shelves	22
Using "Sensor Cooling"	23
Using "Spot Powerful Cooling"	23
VACUUM COMPARTMENT	24
Storing food.....	24
Changing the Vacuum Compartment settings ...	25
Opening and closing the Vacuum Case	25
ICE COMPARTMENT (AUTOMATIC ICE MAKER) ...	26
Making ice	26
Ice storage capacity and time required to make ice ...	27
Quick Ice Making	27
Stop Ice Making	27
Water supply indicator	27
When "On" or  "■■■■/■" and  "■" are blinking ..	27
FREEZER COMPARTMENT	28
Stored food	28
Using "Delicious Freezing"	29
Adjusting the temperature (Freezer Compartment) ...	29
VEGETABLE COMPARTMENT	30
Stored food	30
Adjusting the Temperature of the Vegetable Compartment (Using "Veg" mode) ...	31
Tips for storing vegetables	31
VARIOUS FUNCTIONS	32
Further temperature adjustments (Refrigerator/Freezer) ...	32
Locking the Control Panel	32
Door alarm.....	33
Volume adjustment of door alarm and operation sound ...	33
Triple power deodorizing effect (Refrigerator Compartment) ...	33

SAVING ENERGY	34
"eco" operation indicator lamp	34
"Energy Saving" mode	34
Door Open & Close indicator lamp	35

MAINTENANCE

MAINTENANCE	36
Power plug/Door gasket	36
Door surfaces/Shelves and Pockets/Liquid receiver ...	36
Refrigerator back/sides/bottom/Cases ...	36
Vacuum Compartment	37
Auto Drawer	37
Ice maker cleaning	38
Water Supply Tank	39
Ice tray	39
HOW TO REMOVE/ATTACH PARTS	40
Height adjustable upper and middle shelf ...	40
Height adjustable lower shelf	40
Fixed shelf	40
Door pockets	40
Vacuum Case	40
Ice Case (Ice Compartment) and Upper Freezer case (Upper Freezer) ...	40
Slide Case and Lower freezer case (Lower Freezer) ...	41
Upper Case and Lower Case (Vegetable Compartment) ...	41
How to remove/attach the slide door	41

TROUBLESHOOTING and AFTER-SALES SERVICE

TROUBLESHOOTING	42
Initial stage	42
Control Panel	42
Refrigerator is not cold	42
Automatic ice making	43
Indicator is blinking	44
Frost and/or condensation formed.....	45
Auto Refrigerator Door	45
Auto Drawer	46
Concerns on the Vacuum Compartment ...	47
Concerns on the Vegetable Compartment ...	48
Concerns on uneven height or tilting of the doors ...	48
Strange smell	48
Refrigerator is too cold	49
Refrigerator becomes hot	49
Concerns on noises	49
Wireless LAN	50
Others	53
Preparation for moving/transporting (moving house) ...	54
AVAILABLE PARTS	54
NOTES ON NON-CFC REFRIGERATORS/	
GUIDE ON TOTAL STORABLE WEIGHT	55
AFTER-SALES SERVICE	56

SAFETY SUGGESTIONS

Please ensure to follow these precautions

When using this appliance, failure to follow safety precautions may result in personal harm, harm to other people, and also damage to property.

- The following notes are categorized and explained by the following symbols according to the hazard level in terms of harm and material damage that may occur from ignoring suggestions and not using correctly.
- Suggestions are indicated and categorized by the following symbols accompanied by explanations. (The symbols below are examples)



WARNING

Suggestions headed by this pictograph indicate "There is high chance of serious injury or death" if ignored.



CAUTION

Suggestions headed by this pictograph indicate "There is a high chance of injury or damage to property" if ignored.



This symbol indicates "Warning and calling attention".



This symbol indicates something you must not do. (Prohibited)



This symbol indicates something you must do. (Compulsory)

- This refrigerator uses flammable refrigerants. The symbol column below states the precautions on flammable refrigerants.



This symbol denotes the precautions on flammable refrigerants.

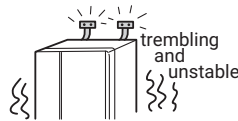


WARNING

Installation



- Take measures to prevent overturning of refrigerator due to earthquake, etc.
 - Overturning of the refrigerator could result in personal injury.



Wetting Prohibited

- Do not install the refrigerator in damp places or where water may adhere to.

- This may impair electricity insulation causing electric shock or fire.



- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

Handling the power and power cable



Prohibited

- Avoid usage that may cause the wall outlet or power cord components to work beyond their specified electric current.

Also do not use power sources that are not a rated AC voltage.

If a power source is shared with other appliances, double or multipoint adapters may heat up beyond normal levels and cause fire.

- Use a wall outlet rated above 10 ampere by itself.

- Do not use the multi-socket adapters and the extension cords.
- Do not use the refrigerator when the power plug/cord are damaged and/or the power plug is not inserted into the outlet securely.

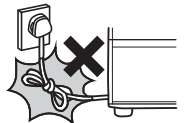


- When positioning the appliance, ensure the supply cord is not trapped or damaged.

(The power cord or plug should not be cut, modified, touched with hot implements, bent by force, twisted, pulled, have heavy objects placed on it, pressed by the refrigerator, or be bound or tied up.)



Using a damaged power cord may cause electric shock, short circuits, or fire.

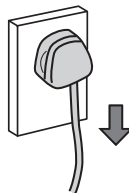


- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.



- Connect the power plug firmly to a power outlet with the cord downwards.

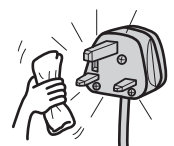
- Connection of the power plug with the cord running upwards could apply stress on the cord and cause electrical short circuit or overheat, resulting in electrical shock or fire.
- Incomplete connection of the power plug could result in electrical shock or fire due to heat.



- Clean the dust on the power plug frequently.

Insulation failure from moisture from the dust collected on the power plug may cause fire.

- Unplug the power plug and wipe it with a dry cloth.



- Disconnect the power plug when the refrigerator will be unused for long periods of time.

⚠ WARNING

Handling the power and power cable

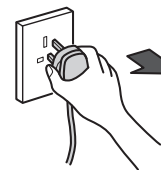


Wet Hands
Prohibited

- Do not insert or remove the power plug with wet hands.
• This may result in electric shock.



- Be sure to unplug the power plug before doing maintenance to the refrigerator.



Continued use may cause electric shock or injury. → Pg.36
• Always hold the plug when unplugging it.

During use



Wetting
Prohibited

- Do not splash human waste on the main body of the refrigerator and/or inside the refrigerator.

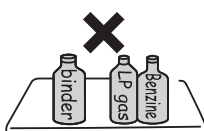
- Do not put water containers on top of the refrigerator.

• Spilled water may impair insulation of electrical components causing faulty electrical currents. This may result in electric shock or fire.



Prohibited

- Do not put in items that may catch fire
• Benzine, ether, LP gas, thinner, adhesives may ignite an explosion.



- Do not store dry ices in the refrigerator.
• It might explode if sealed.
- Do not use flammable sprays near the refrigerator.
• Sparks from points of electrical contact such as door switches may ignite a fire.
- Do not hang on the doors or step on the various compartments.
• Injury may be caused by the refrigerator tipping over or hands getting caught between doors.
- Do not put too much force on the door by opening it too much or leaning on the opened door.

- Drugs, chemicals, research and experimental substances should not be stored in the refrigerator.

• Substances that require precise conditions for storage cannot be stored in a domestic refrigerator.

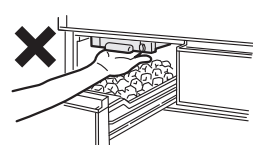


- Do not put things on top of the refrigerator.
• Opening and closing doors etc. may cause things placed on top of the refrigerator to fall resulting in injury.
- Do not remove the cover of the interior lamp.
• When the interior lamp is damaged, please contact the service centre to replace it so as to avoid injury.
- Do not add impact to the glass door.



Contact
Prohibited

- Do not touch the machinery components of the automatic ice maker.
• There is a danger of injury when the ice trays are rotating.



- 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.
- Deactivate the function of the Auto Door when children etc. may play with the Auto Refrigerator Door or Auto Drawer.

→ Pg.20

About the Wireless LAN function (Remote control with the Wireless LAN function)



Prohibited

- Do not use this function near the automatic control devices such as the automatic doors.
The interference from the radio wave of the Wireless LAN may interfere with those automatic control devices. It may cause malfunctions.
- Do not use the Wireless LAN function in the room where the medical equipment is installed.
The interference from the radio wave of the Wireless LAN may interfere with the medical equipment.



- Keep a person using the cardiac pacemaker away from the refrigerator.
The interference from the radio wave of the Wireless LAN may interfere with the operation of the cardiac pacemaker. When a person using the cardiac pacemaker uses the refrigerator, please consult a doctor.

SAFETY SUGGESTIONS (Continued)



WARNING



About the refrigerant (Be careful of the following related to the use of flammable gas.)



Prohibited

- Do not scratch or damage the main body of the refrigerator with a sharp object such as screw.

Since the refrigerant used is flammable, any leakage from the pipe inside the wall may cause ignition and explosion.

- Do not use mechanical devices and heat generating devices such as a dryer/fire to accelerate the defrosting process.

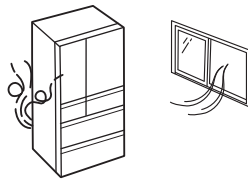
- Do not use electrical appliances inside the refrigerator.

• If the refrigerant leaks, sparks on the contact may cause ignition and explosion.



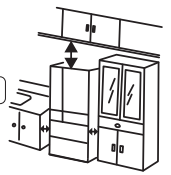
- Do not damage the refrigerant circuit. If you happen to damage the refrigerant pipe, stay away from the refrigerator and avoid using fire and electrical appliances.

Should you damage the refrigerator, open the window to ventilate and contact the authorised service centre.



- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction. → Pg.8

Leakage of the refrigerant may accumulate and cause ignition and explosion.



- Please consult your dealer or the Recycle Hotline of the Recycle Centers in the Environmental Protection Administration when discarding the unit.

If the refrigerant leaks, it may cause ignition and explosion.



R600a

- The warning label and name plate including this symbol affixed on compressor and refrigerator should be kept throughout the life of the refrigerator.

- Handling, service, disposal and installation of used flammable refrigerant shall be done by Hitachi authorized service companies or service engineer only.

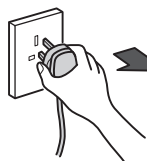
In case of emergency



- Stop the refrigerator by unplugging it if it is not running properly or breaks down.

Continuous running may cause electric shock or injury.

• Always hold the plug when unplugging it.



Disassembly prohibited

- Do not disassemble, repair, or modify your refrigerator.

Injury may be caused by ignition of fire or faulty running.

• Please consult with a retailer if any repairs or disassembly are required.

<<Examples of abnormality and malfunction>>

- The power cord/plug are too hot to touch.
- You smell something burning.

- The power cord is scratched deeply or deformed.
- You feel electricity like a sharp and quick tremor or vibration.



- In the event of gas leak, do not touch the refrigerator and open windows to allow ventilation.

• Sparks from points of electrical contact such as door switches may ignite explosions causing fire or burn injuries.



When discarding the unit



- Before discarding the unit or recycling, remove the door gaskets to avoid the risk of an infant or child being entrapped inside.

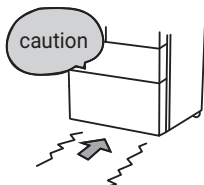
CAUTION

When moving and installing the refrigerator



Prohibited

- Do not transport the refrigerator with it loaded laterally.
- Do not use the handle of the refrigerator door when moving the refrigerator.
- Do not drag the refrigerator on the fragile floor. Doing so may cause damage the floor. Please lay a protective mat etc. when moving the refrigerator.
- Never hang the handle with a crane, etc.
- Be careful not to knock the back/sides of the refrigerator.



- Take the food and ice out from the refrigerator and dump the water in the water supply tank.
- Lay a protective mat and cloth etc. to prevent the floor from damaging and the water left in the refrigerator from spilling.
- Fix the refrigerator doors with a tape etc. to prevent those from opening. In addition, use a tape to fix an electric plug/power cord so that it will not hang down.
 - Carry it with the door facing upward; as shown in the illustration.
- Hold the carrying handle and carry the refrigerator with two or more people.
- Install the refrigerator securely on the sturdy and flat floor using the adjustable mounts.

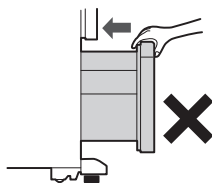


During use



Prohibited

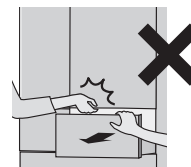
- Do not put bottles in the Door Baskets if they do not sit properly on the bottom of the front section.
 - Forcing in items like large bottles may result in them getting tipped over, causing injury.
- Do not put the glass bottles in the Freezer Compartment.
 - Bottles may break from the contents freezing and cause injury.
- Do not close a door with other than the handle.



- Do not put your feet too close when opening the bottom door of the refrigerator.
 - You may hit the instep or other parts of your feet resulting in injury.
- Do not put your hands or feet under the base surface of the refrigerator.
 - When cleaning, putting your hands under the base surface of the refrigerator may result in injury by cutting them on sheet metal parts.
- Do not give a hard impact to the glass shelf. (The glass shelf may be broken, causing personal injury).



- Do not have food items protruding over the front of the shelves.
 - Injury may be caused from items like bottles getting knocked over.
- Do not open or close the door with force. (Doing so may cause food to drop)
- Do not open or close a door while other person is using the refrigerator.
- Do not open or close a door of the Refrigerator Compartment while holding the handle of the drawer.
- Do not touch the food and containers inside the Freezer Compartment with wet hands.
 - This may cause frost injury. (Especially in the case of metal items)
- Do not eat food that smells strange or has changed color.
 - Spoiled food may cause serious sickness.
- Neither heat the glass surface of the glass shelf nor put a hot item on it.
- Do not hold the door gasket when opening and closing the refrigerator door.
- Do not open and close the Auto Refrigerator Door during your hand is put on the handle of the drawer.
- Do not operate the Auto Refrigerator Door when there is someone in front of the refrigerator. Otherwise, the opened door may hit against someone in front of the refrigerator, and it may result in an unexpected injury.



- To prevent water from dripping on the floor.
 - Water due to dew and/or frost may drip on the floor if there is a gap clearance around the door for a long time. Close the door completely without no gap.
- When opening or closing a door while the adjacent door is left open, exercise caution lest your hand or a finger should be caught between the opened doors.

- Take care when removing the glass shelf because it is heavy.
- When you hear an abnormal sound or find abrasion powder during the opening or closing of a door, stop using the refrigerator and call for inspection.

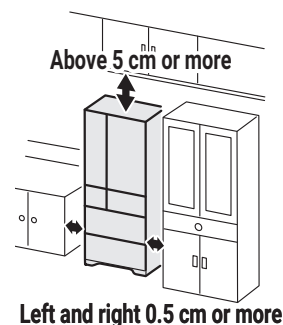
BEFORE USE

1

Preparation before use

- The floor should be sturdy and flat.
Lay a board with 1cm thickness on the floor if the refrigerator is installed on the carpet, tatami mat, flooring or PVC sheet flooring which may be hollow or discolor.
- Place the refrigerator away from direct sunlight and heat.
This will reduce adverse effects to refrigerating power and keep electricity cost down.
- Do not place it in damp areas, and ensure good air ventilation.
This will prevent rust and condensation.
- The refrigerator should be separated from other equipment such as TVs.
This is to prevent disturbance (noise / scattered image) to TVs and other devices caused by the refrigerator.

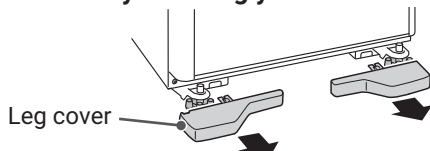
- *The actual size of the center part of the side of the refrigerator's main body is slightly larger than the nominal size.
Therefore, please allow sufficient space around the refrigerator when installing it.
- *If you are concerned about noise caused by vibration or condensation on the rear of the refrigerator or discoloration/markings on the wall due to high humidity, install the refrigerator with a gap of **2 cm or more**.



2

Adjust and fix the refrigerator horizontally.

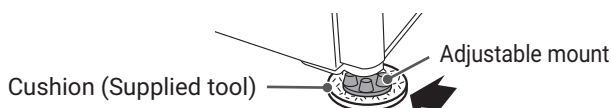
- 1 Hold each end of the leg cover one by one and pull the leg cover toward to you strongly to remove it.**



- 2 Place cushions under the adjustable mounts.**

Place the cushions under the adjustable mounts evenly at the front, back, left and right.

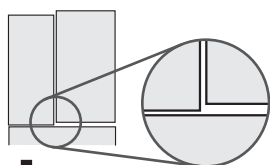
- Always wipe the adjustable mounts and clean the floor before placing the cushions.
Any dirt under the cushions may scratch the floor.



- 3 Turn the left and right adjustable mounts until they touch the floor. Adjust so that the left and right doors of the refrigerator compartment are parallel.**

As a guide, the height of the door can be adjusted 1mm every one turn of the adjustable mount. Insert the dedicated tool to match with the shape of the adjustable mount.

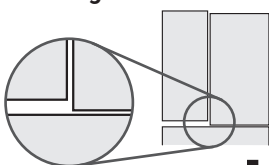
■ The left side door is lower



Turn the left adjustable mount clockwise to level the left and right doors.



■ The right side door is lower

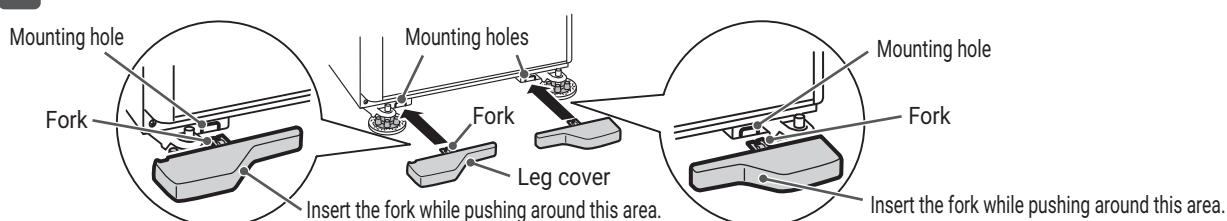


Turn the right adjustable mount clockwise to level the left and right doors.

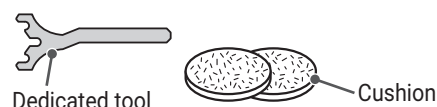


- Take care not to damage the floor with the dedicated tool when turning the adjustable mount.
- Excessively turning an adjustable mount may cause it to detach.

- 4 Insert the fork of the leg cover into the mounting holes to attach the cover.**



Use the supplied cushion [2 pc]



Note

- Packaging specifications may vary depends on production time, but this does not affect the quality.
- Depending on the strength and type of the floor material, and the weight of the food, the door may lower several days later (about 5 days). In this case, adjust the doors to be parallel again.
- If the place where the refrigerator is installed is not horizontal or the floor material is soft, there may be a height difference between the left and right doors of the refrigerator. There is no problem with the functioning of the refrigerator, but if you are concerned, adjust the doors to be paralleled by following the above described procedure.
- If you make the refrigerator horizontal left to right but make the front slightly higher than the back, it will be easier to close the doors and the doors will be less likely to remain partially open.
- When you release your hand from a refrigerator door with the door open, the door may move. But this is normal.

3

Cleaning the inside of the refrigerator. → Pg.36–39

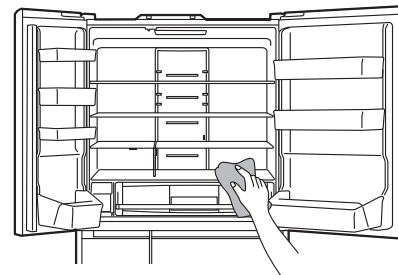
- Wipe with a soft, damp cloth, then finish with a dry cloth.
- Rinse the water supply tank, water filter and ice tray.

* Do not wipe off the lubricant applied to the slide door rails or the contact surface of the rails.

* At the beginning, the refrigerator may smell of plastic.

If you are concerned, ensure that the room is well ventilated.

(Smell will gradually disappear)



4

Plug the power cord.

You may plug in the power cord immediately after installing the refrigerator.

Do not share the wall outlet with any other appliances. (Alternating current 220–240 V, rated 10 A or more)

- Check that the power plug or the cord is not wedged between the back of the refrigerator and the wall in order to prevent the cord from getting hot.

Cooling inside the refrigerator begins

- It may take **more than 24 hours to cool** well the inside of the refrigerator, depending on conditions such as the ambient temperature or storage state of foods.
Do not put ice cream, uncooled foods or perishable foods in the refrigerator until the inside has cooled well.
- Perform **"Ice Maker Cleaning"** when using the automatic ice making function for the first time. → Pg.38
- Ice making will start automatically after the inside of the refrigerator has cooled well.
(When using for the first time, **it may take 24 hours or more to make ice.**)
- When the temperature inside the refrigerator is low, cooling may not start for about 10 minutes after plugging in the power plug.

Note

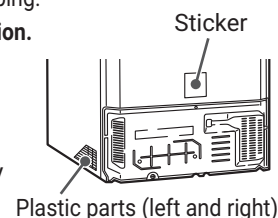
- **Rust proofing of the piping may be required.**

When installing the refrigerator near a hot spring area, industrial area, or near sewer pipes, etc., the piping may corrode due to the effect of sulfide gas. Contact your dealer. The warranty does not cover failures due to sulfide gas damage, such as blackening of the piping.

- **After inserting the power plug into a wall outlet, you will hear noise from the refrigerator. It is preparing for operation.**

You may also hear a louder noise from the compressor or fan until the inside is cooled enough.

- Do not peel off the sticker on the back or remove the plastic parts on the sides of the refrigerator at the bottom.
- If you attach a magnet or suction cup to the front of the main body or to a door, it may leave a mark.
- If you attach paper to the door surface in a high ambient temperature environment, condensation may form on the door surface or the paper may absorb moisture.



PRECAUTIONS FOR THE USE OF WIRELESS LAN FEATURES

The Company shall not be liable for any damages caused by the incorrect use by the customer or a third party, malfunctions that occur during use, other malfunctions, or damage incurred through the use of this product, except where legal liability is acknowledged.

This product can be used only in the domestic area. Use it in your home as a general wireless LAN device.

This product collects operation history and failure history for the following purposes. It is not used for any other purpose.

- It is used to improve services and develop and improve new services.
- It is used to respond to repairs and improve the response when consulting with the consultation desk.
- For details on the handling of personal information, see the app terms and conditions of use.
You can check the terms and conditions the first time you launch the app or by clicking the menu button “≡” in the app.
- It is used to improve quality.

Built-in wireless LAN adapter

Doing the following may be punishable by law.

- Disassembly and modification of the wireless LAN adapter built into this product
- Defacing the nameplate or built-in wireless equipment conformity display

Wireless LAN router

- It is not guaranteed that the wireless LAN can be connected to all wireless LAN routers or residential environments.
- In buildings with concrete, reinforced concrete, or metal, near obstacles, and near devices that use the same frequency band (2.4 GHz band) (such as Bluetooth® devices or computer peripherals), radio waves may not reach the wireless LAN or may be interrupted.
- The communication standard must correspond to one of IEEE802.11b/g/n (2.4 GHz band only).
5 GHz band communication standards are not supported.
- When connecting this product to the Internet, be sure to connect via a router. This product cannot be directly connected to the communication lines (including public wireless LANs) of telecommunications carriers (mobile telecommunications companies, fixed telecommunications companies, Internet providers, etc.).

Security-related

- When using wireless LAN equipment, it is possible that information will be intercepted due to the use of radio waves, regardless of whether encryption settings are set.
- For the encryption method, use a wireless LAN router that can be configured with WPA2 or WPA (both TKIP or AES).
- The wireless LAN function uses radio waves to exchange information between this product and the wireless LAN router, so it has the advantage of being able to connect to the LAN freely as long as the radio waves reach it. On the other hand, if the radio waves are within a certain range, they will reach all places beyond obstacles (such as walls), so others may be able to eavesdrop on the communication content or tamper with it.
- Do not connect to devices or networks that you do not have permission to use when setting up the wireless LAN function.
- If you want to dispose of the product or transfer it to a third party, perform “Delete all registered information”.
- If you have received the product from a third party, perform “Delete all registered information” to prevent unauthorized access from the third party.

➡ Pg.16

Radio waves/radio interference

Communication method specifications

Wireless LAN IEEE802.11b/g/n is supported.

Microwave ovens and other industrial, scientific, and medical equipment, as well as premises radio stations (radio stations that require a license) and specified low-power radio stations (radio stations that do not require a license) for RFID used in factory production lines and the like, as well as amateur radio stations (radio stations that require a license) operate in the frequency band used by this product.

- ① Before using this product, check that premises radio stations and specified low-power radio stations used for RFID and amateur radio stations are not in operation nearby.
- ② In the event that this product causes harmful radio interference on premises radio stations for RFID, immediately change the frequency band or stop emitting radio waves. Consult with the consultation center [→ Pg.56](#) regarding connecting to a smartphone or connecting to a network and consult about how to avoid interference (for example, by installing partitions).
- ③ In addition, if this product causes any problems, such as cases of harmful radio interference on specified low-power radio stations for RFID or amateur radio stations, please contact the consultation desk regarding connection to a smartphone or connecting to a network. [→ Pg.56](#)

Communication may be unstable when the product is used in the following locations:

- Where magnetic field, static electricity, and radio waves occur (around equipment such as microwave ovens other than this product)
- Around devices that use the same frequency band (2.4 GHz band) as this product (Bluetooth® devices and computer peripherals, etc.)
- Places covered with metal objects that allow radio waves to be easily reflected

Linkage with a smartphone (pairing)

- Do not connect to devices or networks that do not have security measures in place when setting up the wireless LAN function.
- If an unpredictable problem occurs, the data stored inside the smartphone or other external device paired with this product may be corrupted or lost.
Back up in advance as a precaution.
- When connecting devices to this product, we do not assume any responsibility for damage or loss of data stored inside smartphones or other external devices or the failure of the connected device under any circumstances.
- If the communication is temporarily disconnected, the settings may not be sent or the usage status may not be updated.
During operation, be sure to check the communication status.
- The communication sensitivity, communication distance, and communication time vary depending on the type of smartphone and wireless LAN router.
Check the communication status during use.
- We are not responsible for any damage caused by wireless LAN communication, except for product defects.

App features

- The screens and illustrations in this manual are for illustration purposes only and may differ from the actual screens and illustrations.
- The contents of this service and features may be changed when the app is updated.
In addition, the service may be suspended without prior notice.
- Please accept the terms and conditions of the app and the privacy policy before using the app.
- App operation is not guaranteed on all smartphones.
Depending on the model, the operation may become unstable or may not function properly.
- When using the app, set the wireless LAN function of the refrigerator to "On".
The factory default setting is "Off".

PRECAUTIONS FOR THE USE OF WIRELESS LAN FEATURES (Continued)

Export regulations

When exporting this product, please check foreign export-related laws and regulations, such as the Foreign Exchange and Foreign Trade Act and U.S. export control regulations and take the necessary steps.

Trademarks

All other company, product, and service names appearing in this manual and the accompanying instruction manual are trademarks or registered trademarks of their respective holders. In addition, “™” and “®” marks are not shown in this text.

- Bluetooth® is a registered trademark of Bluetooth SIG, Inc.
- “Google Play™ store” and “Android” are trademarks or registered trademarks of Google LLC.
- “iPhone” is a trademark of Apple Inc.
- iOS is a mobile operating system developed by Apple Inc.
IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- App Store is a service marks of Apple Inc.
- Wi-Fi™ is a trademark of Wi-Fi Alliance®.
- Wi-Fi Protected Setup™, WPA™, WPA2™ are trademarks of Wi-Fi Alliance®.

Software license

The software incorporated into this product consists of several independent software modules, each of which is copyrighted by the Company and by third parties. This product also includes software modules developed or created by the Company, and these software modules and the accompanying documentation, etc. the proprietary rights and intellectual property rights are owned by the Company. These are protected by copyright and other laws. This product also includes software modules that are licensed as open-source software. There is a separate copyright owner or other right holder for the software module, and it is provided as-is based on a free license, and those copyright holders do not make any warranties (whether expressly stated or not) within the scope of applicable laws. In addition, the Company shall not be liable for any damage (including data loss, loss of accuracy, incompatibility with interfaces with other programs, etc.) incurred in connection with the software module and its use within the scope of applicable laws and regulations and shall not bear any costs incurred.

For details such as the terms of use of the software module, please refer to the following URL. Since this is a provision by a third party other than the Company, we include the original text (English).

Singapore	https://kadenfan.hitachi.co.jp/app/sgp/cs-en/license.html
Hong Kong	https://kadenfan.hitachi.co.jp/app/hkg/ct-en/license.html

In addition, for details on how to obtain the software module and inquiries, see the following URL.

Singapore	https://www.hitachi-homeappliances.com/sg/contact/index.html
Hong Kong	https://www.hitachi-homeappliances.com.hk/en/contact_us/index.html

ABOUT THE APP FEATURES

What are the app features?

By pairing this product with a smartphone, you can operate and check the status of the refrigerator from a smartphone.

Once paired, you do not need to pair your smartphone each time you use it.

- **“Ingredient management”** where you can check the contents of each compartment in the refrigerator
You can use your smartphone's camera to see how many days have passed since you put the ingredients in the fridge.
- **“Notification settings”** deliver notifications when you are out or at home
A notification is sent to your smartphone that the door is open, that the ice maker cleaning has finished, or that ice making has finished.
- **“Remote Feature”** that allows you to check the operation status
You can check the current refrigerator operation status and the door opening time for the last 10 days. In addition, you can change the settings such as the refrigerator compartment temperature.
- **“Support Feature”** that allow you to view how to operate the refrigerator
You can view the instruction manual from your smartphone when you are not sure about the operation or when you have a problem.
- **Updating the refrigerator software**

Required environment

Connected to the Internet

A contract with a provider (Internet connection provider) for an always-connected broadband line is required.

Dial-up or smartphone tethering cannot be used.

A wireless LAN router is installed

- Use a wireless LAN router that can configure WPA2 or WPA encryption (both TKIP or AES).
- The communication standard must correspond to one of IEEE802.11b/g/n (2.4 GHz band only).
5 GHz band communication standards are not supported.
- Mobile routers are not guaranteed to work.

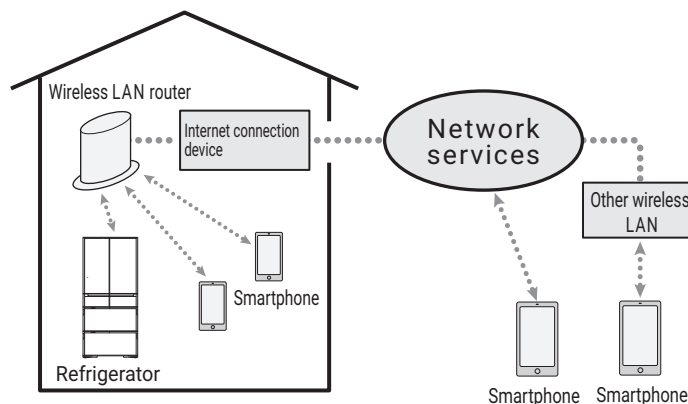
A compatible smartphone

- Use an “Android” or iOS (iPhone) smartphone.
Smartphones without a wireless LAN function cannot be used.
Tablet devices are not guaranteed to work.
For the supported OS versions, see the following site or the code on the right.

<https://www.hitachi-homeappliances.com/global/app/ref/series01/index.html>



Connection conceptual diagram



- Transmission fees for connecting to the Internet, downloading apps, and using a smartphone will be borne by the customer.
- If the wireless LAN router cannot communicate with this product, it will enter the “Not Connected” state and operation from a smartphone will not be possible.
Be careful when you move the refrigerator or wireless LAN router.
- You can register up to five smartphones for one refrigerator, and you can operate the refrigerator itself.

CONNECT TO THE SMARTPHONE

Install “Hitachi Fridge” application (hereinafter the “Application”)

For iPhone

For Android

Open the “App Store”

Open the “Google Play”

You can also download the application from the homepage.



URL <https://www.hitachi-homeappliances.com/global/app/ref/series01/index.html>

- It does not guarantee the operation on all smartphones.
Depending on the model, its operation may be unstable or may not work well.
- The application is free, but a communication cost is charged when downloading and using the application.
Communication costs will be borne by the customer who has contracted for the used smartphone.
Refer to the instruction manual of the smartphone for how to install the application.
- The contents of services, screen design, functions, etc. of the application may change without notice.
Also, the service provided may be terminated without notice.
- Please use it after agreeing to the terms of use and the privacy policy of application.

Pairing setup / add a unit

- The screen and operation of the smartphone differ depending on the model and OS.
- If the Wi-Fi settings on the smartphone has already been made, you may proceed to the next step without performing any operations.
- Set the wireless LAN function of the unit as “Yes”. (“No” is set at the time of factory shipment.)
- If the pairing setting has failed, refer to “Troubleshooting” and start over from the beginning. → Pg.50,51

Preparation

Confirm the SSID and password of the wireless LAN router connected to the unit.

- Select a wireless LAN router that can be connected even where the unit is installed.
- Select a wireless LAN in the 2.4 GHz band. (pairing is not possible in the 5 GHz band)
- The wireless LAN router's SSID is the name shown at the Wi-Fi setting of the smartphone.

If the SSID and password of the wireless LAN router (some may be described as “Encryption Key” or “Security Key” etc. depending on the wireless LAN router) are unknown, refer to the instruction manual of the wireless LAN router.

1

Start up the application and confirm the terms of use.

Operate the application

At launching the application for the first time, the terms of use will be shown, so confirm the contents.
If it is agreeable, continue setting.

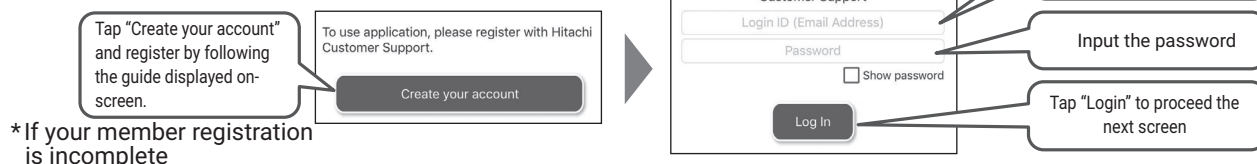


2

Login

Input the login ID and password to login.
Login after you have completed your member registration if your member registration is incomplete.

*Login is required to use the applications.



* If your member registration is incomplete

Operate the application

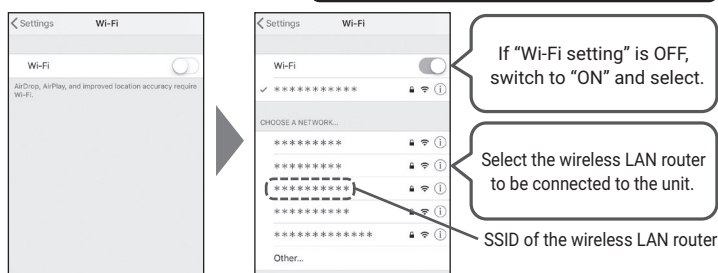
3

Select the wireless router to be connected to the unit.

Operate the settings of the smartphone

Move from the application screen to the smartphone's Wi-Fi setting screen, turn on the Wi-Fi setting, and select the wireless LAN router desirable to be connected to the unit.

- The wireless LAN router password is necessary to connect. If it is unknown, refer to the instruction manual of the wireless LAN router.
- The operation and setting screen of the smartphone differ depending on the model and OS.

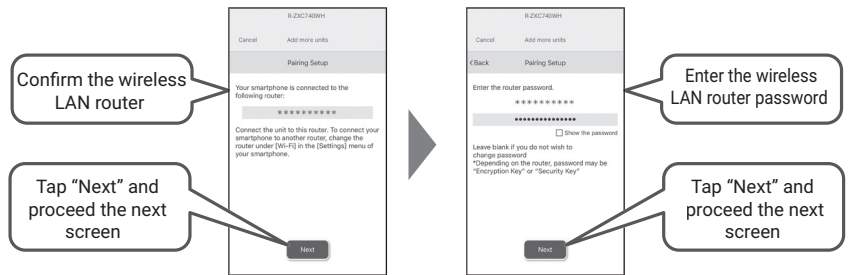


4

Enter the wireless LAN router password in the application.

Move back to the application, and with following the instructions on the screen, confirm that the wireless LAN router selected in **3** is displayed and enter the password for the wireless LAN router.

- It is impossible to connect if the wrong password is entered.



Operate the application

5

Set the wireless LAN function as "Yes".

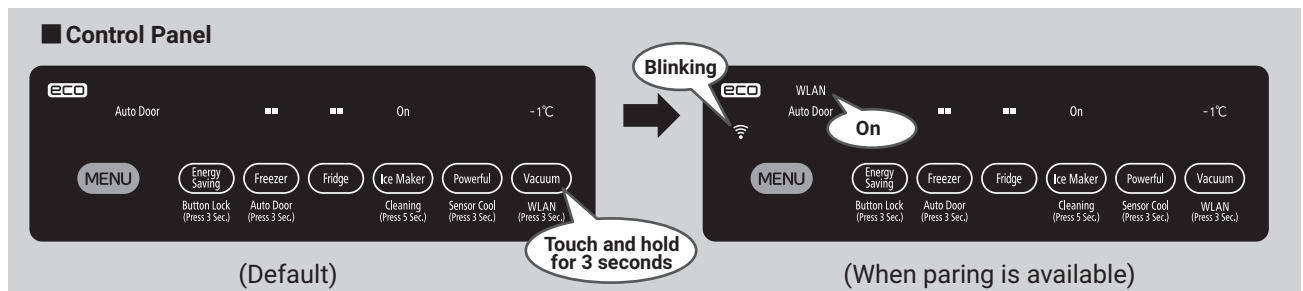
1 Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2 Touch and hold **Vacuum** for 3 seconds or longer until the setting sound (a long beep) is heard to activate, and then **WLAN** indicator is activated and blinks.

Note

- The light of indications shall turn off in about 40 seconds for energy savings, but the setting will continue until its cancellation.
- If **WLAN** indicator lamp is blinking, please be patient until the indicator lamp is activated.



Operate the unit

6

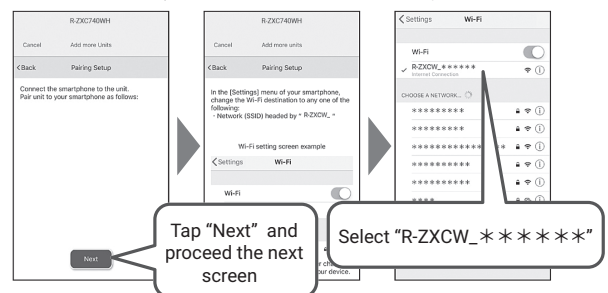
Select the network by Wi-Fi setting. (* is alphabet or number)

When the screen on the right is displayed on the application, move to the Wi-Fi setting screen of the smartphone and select the network of the corresponding refrigerator model.

Refrigerator model name	Network name
R-ZXC740W type	R-ZXCW_*****
R-WXC740W type	R-WXCW_*****

- The message "Network not connected" may be displayed, but proceed as it is.
- It may take a while for the network to appear. If it does not appear, redisplay the Wi-Fi setting on the smartphone or turn off the Wi-Fi setting and then turn it on again.

Ex.) In case of R-ZXC740W type

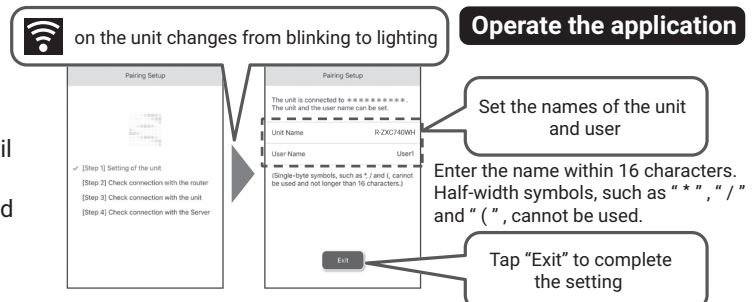


Operate the settings of the smartphone

7

Set the names of the unit and user in the application and complete the pairing setup.

Move back to the application and wait for a while until pairing setting is finished. When finished, set the names of the unit and user, and complete the setting.



Operate the application

If the pairing setup fails → Pg.50,51

HOW TO USE OTHER WIRELESS LAN FEATURES

Set wireless LAN feature to “None”

Operate the unit

1

Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2

Touch and hold **Ice Maker** **Vacuum** simultaneously for 3 seconds or longer until the setting sound (two short beeps) is heard to deactivate **WLAN**  indicators.

- If the wireless LAN feature is set at “No”, functions that can be operated with a smartphone cannot be used.
- The registered information of the paired smartphone is not deleted.
- When using the wireless LAN function again, it is not necessary to re-do the pairing settings.

Set the wireless LAN function as “Yes” → Pg. 15, Article 5

*When you would like to link the refrigerator with your smartphone (pairing), please refer to the section of “Linkage with a smartphone (pairing)”.

*  blinks, but that stops after a short while.

Delete all registration information (initialization)

Delete all information registered by the wireless LAN function (initialization). Please carry out when discarding or transferring the unit.

Operate the unit

1


Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

* If **WLAN** is already lit, proceed to **3**.

2

Touch and hold **Vacuum** for 3 seconds or longer until the setting sound (a long beep) is heard to activate **WLAN** indicator.

* If **WLAN** blinks, please wait for a while until **WLAN** blinking stops and it becomes lit.
Deleting all registration (initialization) is possible after  blinking stops.

Note

The display will turn off in about 40 seconds for energy savings, but the setting will continue until released.

3

Open the Freezer Compartment lower door.

4

Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

5

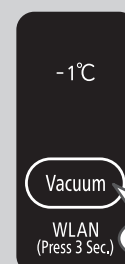
Touch and hold **Vacuum** for at least 3 seconds until the setting sound (a long beep) sounds.

* When all registered information is deleted,  is off.

6

Close the Freezer Compartment lower door.


Control Panel

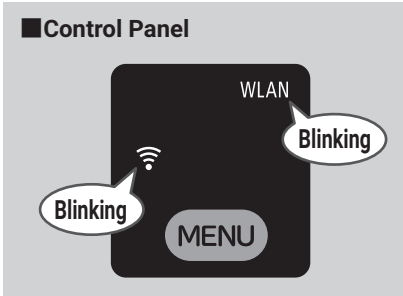


On the updating the unit's software

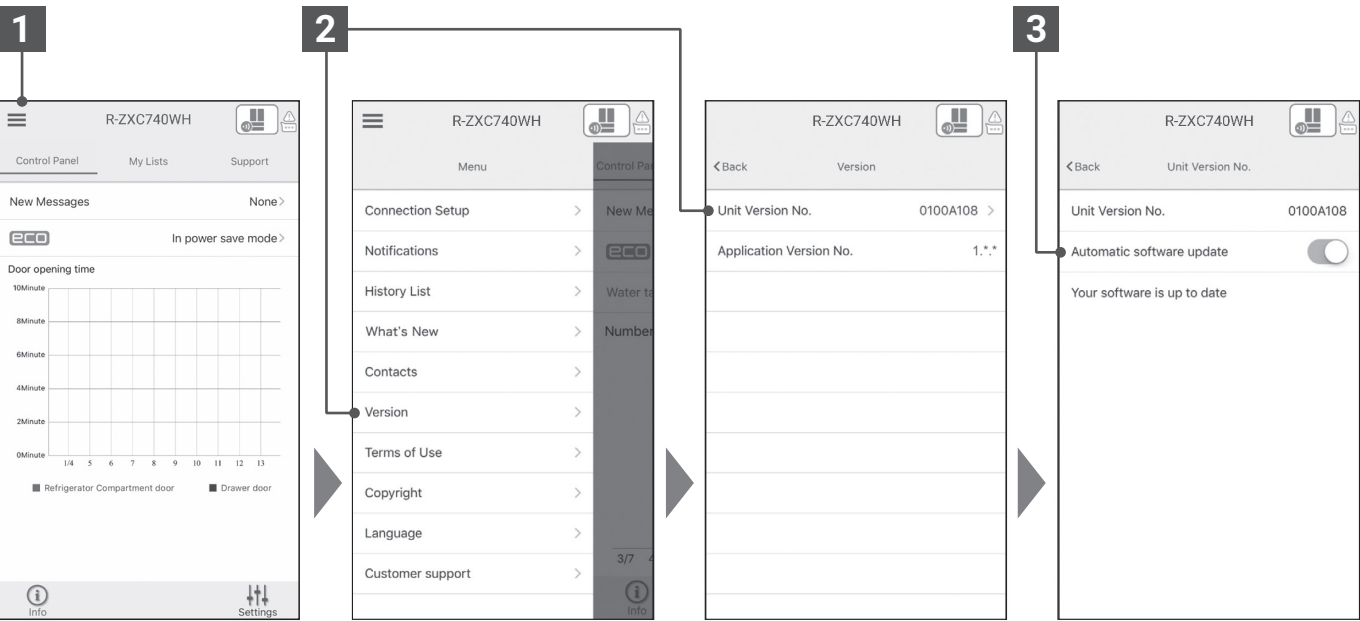
If there is software to update, the wireless LAN feature can be used to update the unit software.

Caution at updating

- In order to update the unit software, it is necessary to set the pairing via a wireless LAN router. [→ Pg.14](#)
- Software cannot be updated when the power is off.
- If the unit software and the application are updated, depending on the contents of the update, the actual status may be different from the contents described in this document.
- While updating the unit software, it cannot be operated.
While updating, **WLAN** and  blink.
The update starts automatically according to the operating status of the refrigerator.
- It takes about 20 to 30 minutes to update the unit software.
- Do not turn off the power while updating the unit software.
It may cause failures such as inability to supply power, inability to operate, and inability to operate from a smartphone.
- If the power is turned off while updating due to a power failure, and etc., the unit will automatically switch to recommence updating after power failure recovery.



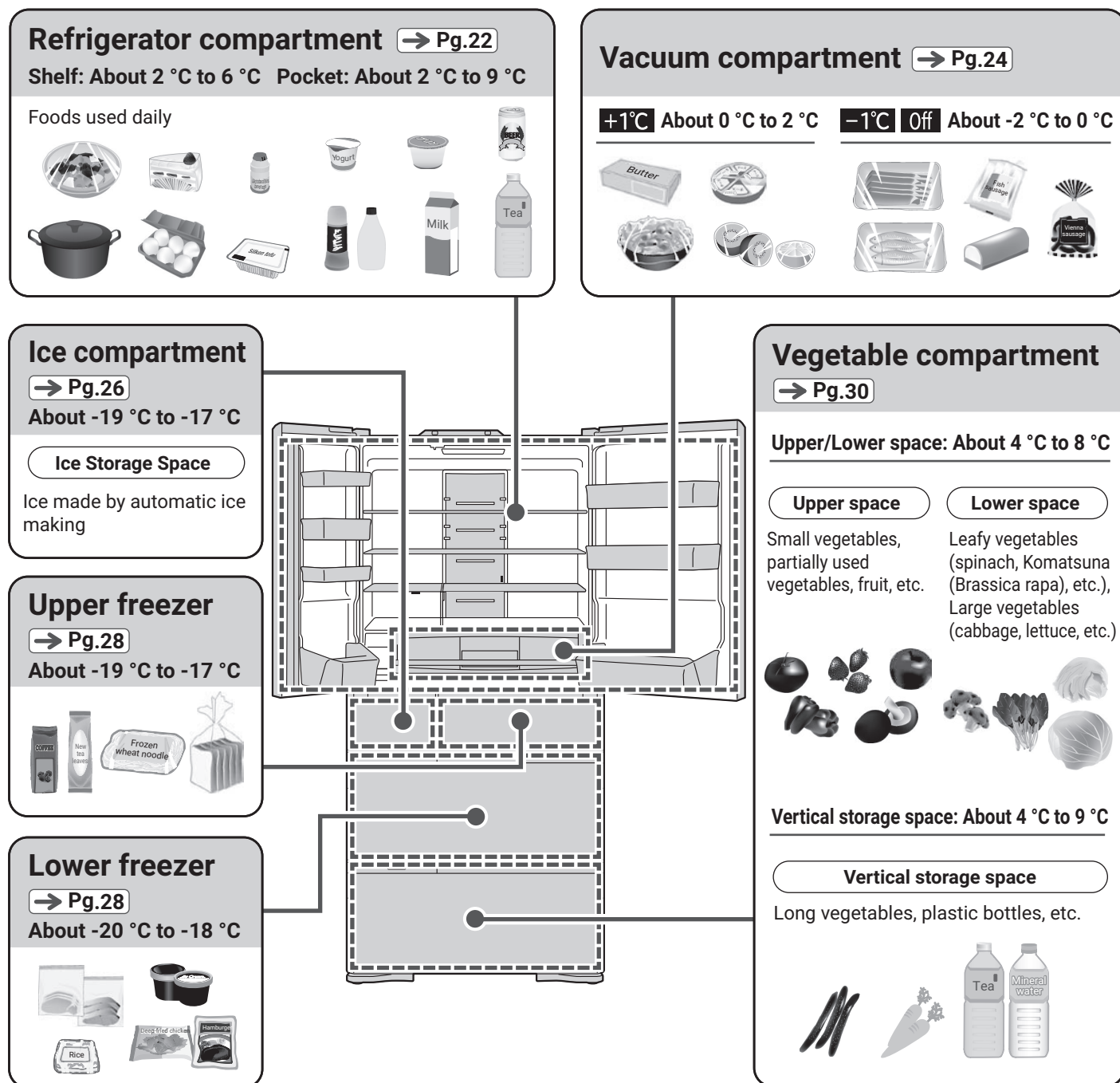
Set the updating of the unit software



- | | | |
|---|--|--------------------------------|
| 1 | Tap the menu button “≡” on the upper left of the screen. | Operate the application |
| 2 | Tap “Version” and select “Unit Version No.” | Operate the application |
| 3 | Set “Automatic software update” as ON.
The update starts automatically according to the operating status of the refrigerator. | Operate the application |

CHECK

Name of each compartment • Estimated temperature • Food storage recommendations



* The temperatures assume an ambient temperature of approx. 32 °C around the refrigerator, the refrigerator and freezer compartments set to “■■■”, no food inside, the doors closed, and a stable temperature.
Besides, those are the temperatures when “Sensor Cool” and “Veg” are deactivated.
* The temperature may vary depending on food storage conditions, door opening and closing, etc.

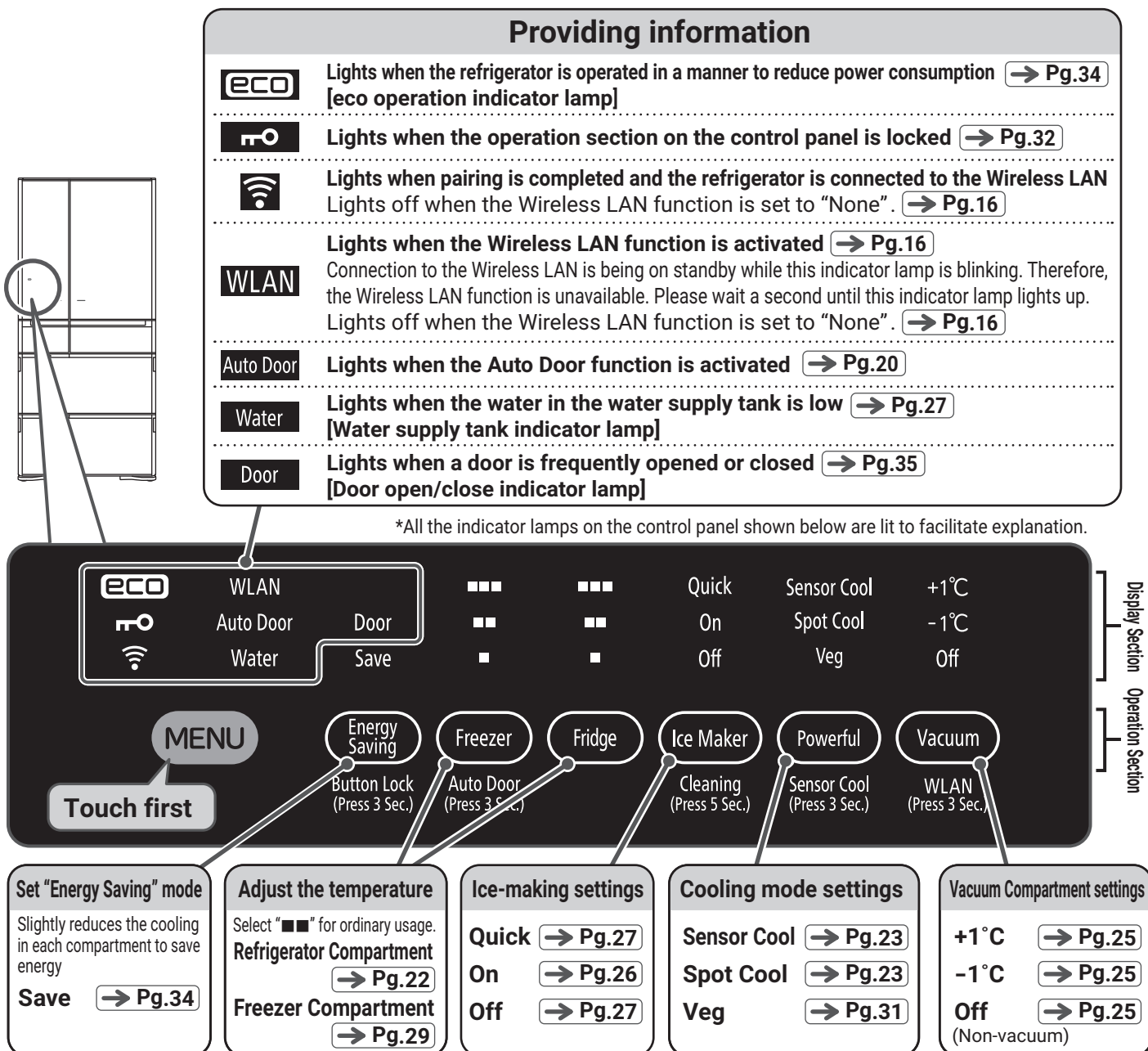
Tips for storage

- Keep gaps between foods when storing it.
- It is recommend to wrap foods with strong odors in cellophane wrap.
- There is a guideline for the weight of food that can be stored. → Pg.55

Functions of the Control Panel

The Control Panel is divided into two sections: Display Section in the upper part and Operation Section in the lower part. The Display and Operation Sections are normally unlit. Touch **MENU** to make them light up. The Operation Section is a touch panel. Touch it to toggle the settings.

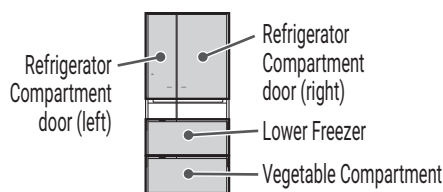
CHECK



Note

- When you touch **MENU**, all the indicators light up and the current settings are displayed. You can also view the current settings by opening the refrigerator compartment door.
- When you are done, touch **MENU** again to deactivate the Display Section and Operation Section.
Even if you do not touch **MENU**, the Display Section and Operation Section will be deactivated after about 40 seconds to save power. However, the setting for "Save", the display during "Quick", "Spot Cool" and "Off (Stop Ice Making)", [Water supply tank indicator lamp], "Off (Non-vacuum)" display, [eco operation indicator lamp] and [Door open/close indicator lamp] during eco operation, and **WLAN** when the refrigerator is connected to the Wireless LAN are not lit off.
- When a refrigerator compartment door is opened, the Display Section and Operation Section light up. In this case, they will be deactivated about 15 seconds after the door is closed.
- The response of the touch panel may change depending on the ambient temperature, humidity, the physical condition of the user, or the operation of nearby electrical devices.
- If the touch panel does not respond, release your finger and then touch it again. If the interval between key touches is too short, the touch panel may not respond. Touching the touch panel strongly will not improve the response.
- The Operation Section may not respond if it is wet or dirty. Remove the dirt with a damp cloth and then wipe it with a dry cloth.
- The Operation Section will not respond to touches while a refrigerator door is open or while the Display Section is blinking. Check "The lamp on the Control Panel blinks". → Pg.44

Auto Door



■ **Auto Refrigerator Door** The Auto Refrigerator Door function allows you to easily open the refrigerator doors only by lightly touching the operation part of Auto Refrigerator Door with a fingertip. (R-ZXC740W type only)

■ **Auto Drawer** The Auto Drawer function allows you to easily to pull out the drawers even when it is heavy with a large amount of food inside.

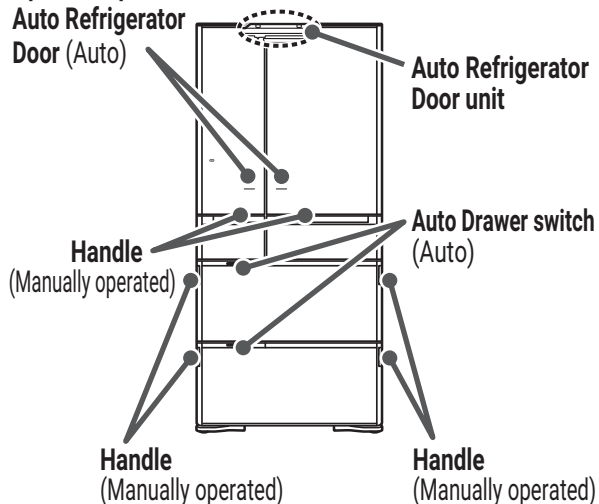


- Deactivate the function of the Auto Door when children etc. may play with the Auto Refrigerator Door or Auto Drawer.



- Do not put your feet too close to the main body of the refrigerator when pressing the Auto Drawer switch of the Vegetable Compartment. (The door may hit your leg and cause injury.)
- Do not operate the auto refrigerator door when there is someone in front of the refrigerator. (Otherwise, the opened door may hit against someone in front of the refrigerator, and it may result in an unexpected injury.)
- Do not put things on top of the refrigerator.
- Make sure to hold the handle of the door when closing the door. (Otherwise, your finger is caught in the door and it may result in injury.)
- Do not press the Auto Drawer switch with your knee, etc.

Operation part of Auto Refrigerator Door (Auto)



How to set

The default setting is "On".

1

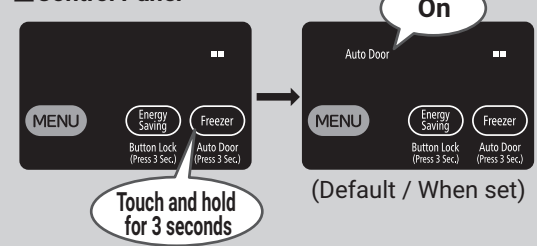
Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2

Touch and hold **Freezer** for 3 seconds or longer until the setting sound (a long beep) is heard to activate "Auto Door" indicator.

Control Panel



How to deactivate the Auto Door function

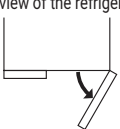
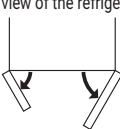


Touch **MENU** to activate the display, and then touch and hold **Freezer** for 3 seconds or longer until the setting sound (two short beeps) is heard to deactivate "Auto Door" indicator.

Note

It is not possible to deactivate only one of the Auto Refrigerator Door and Auto Drawer functions.

Using Auto Refrigerator Door

Touching the operation part of Auto Refrigerator Door, an operation sound is heard, and the refrigerator compartment door opens automatically.

How to open Auto Refrigerator Door	Opening either one of the refrigerator compartment doors		Opening both refrigerator compartment doors at one time	
	Touch the operation part of the Auto Refrigerator Door you would like to open *Please operate with your finger		Slide your finger from one end of the operation part of the Auto Refrigerator Door to the other (doors open in order from the side you operated)	
Operation sound of the Auto Refrigerator Door	A short beep		A long beep	

Note

- When the “Ice Compartment” or “Upper Freezer” is open, the Auto Refrigerator Door does not operate to prevent the accidents such that your hand gets caught.
- When the Auto Refrigerator Door function is deactivated, open the refrigerator compartment door by holding the handle with your hand.
- Refrigerator compartment door does not close automatically.
When closing the refrigerator compartment door, close the door by holding the handle with your hand.
- The Auto Refrigerator Door function is designed to reduce the burden at the start of opening the refrigerator door and to ease in opening the refrigerator door. Depending on the installation conditions of the refrigerator and the beverages and foods stored in the door pockets, the door opening angle may change or the door may return slightly after the door opens automatically, but it does not indicate any fault.
- After touching the operation part of Auto Refrigerator Door, a sound is heard when the door opens, but it does not indicate any fault.
- If the operation part of Auto Refrigerator Door is wet or dirty, it may not respond. If this is the case, remove dirt with a damp cloth, then wipe with a dry cloth.
- If you touch the area around the operation part of Auto Refrigerator Door at the same time, or if you continue to touch it for more than about one second, the door may not open automatically.

When opening and closing the refrigerator compartment door manually

Request Do not apply excessive force by opening the door too strongly or leaning against the open door. The door may break.

Use the handles to open and close the doors.

To open the door

Do not open the door by holding the swing partition.
(The door cannot be opened)



To close the door

Do not close the door with the swing partition opened.
(The door will not close completely)

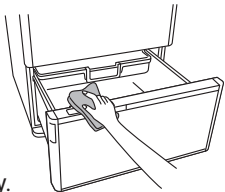
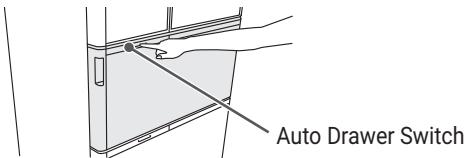


Using Auto Drawer

Pressing the Auto Drawer switch, the Auto drawer opens automatically.

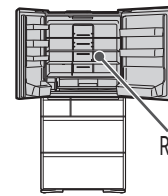
Note

- When the Auto Drawer function is deactivated, hold the left and right handles on the drawer to open the drawer.
- It is not possible to deactivate the Auto Drawer function of “Lower Freezer” and the “Vegetable Compartment” separately.
- When closing the drawer, push the left and right handles on the drawer to close the drawer.
- The drawer does not close automatically.
- This function is to reduce the burden at the start of pulling out the drawer, and the dimension that the drawer comes out when operating the Auto Drawer function is about 15 cm or more.
Depending on the installation conditions of the refrigerator, the dimensions of the drawer coming out may change, or the drawer may return slightly after the drawer opens automatically, but it does not indicate any fault.
- It is not possible to open “Lower Freezer” and the “Vegetable Compartment” at the same time using the Auto Drawer function.
- The Auto Drawer function does not work when either “Lower Freezer” or “Vegetable Compartment” is open.
- A sound is heard when you press the Auto Drawer switch, but it does not indicate any fault.
- If you spill food juice, etc. on the upper part of the Auto Drawer switch, be sure to wipe it off immediately.
The mechanical part of the Auto Drawer switch may not work, and it may cause the drawer to open unintentionally.

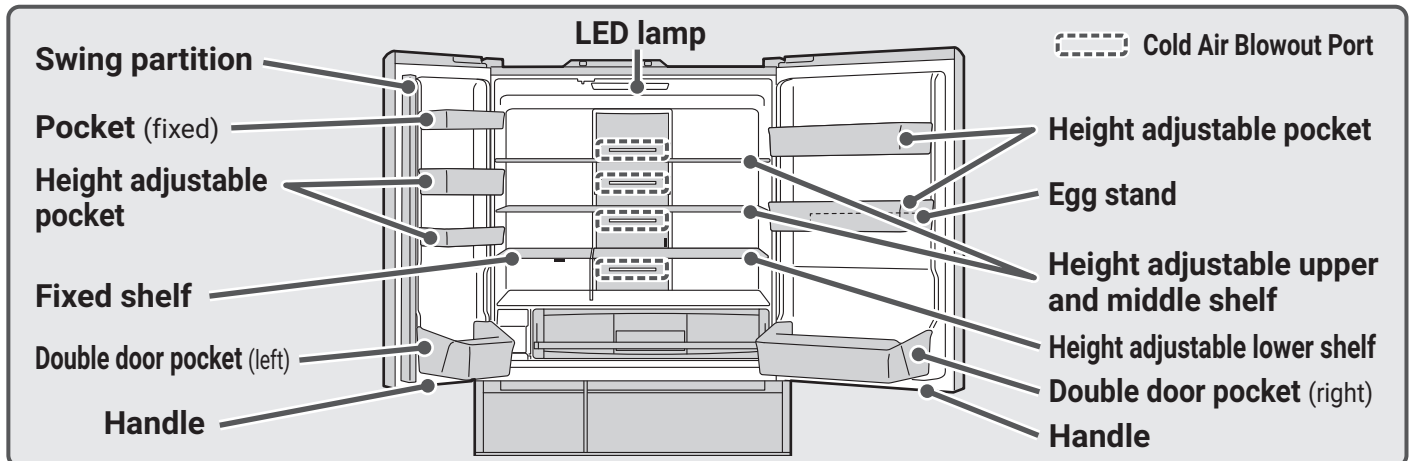


REFRIGERATOR COMPARTMENT

Name of each part



Refrigerator Compartment



Request

- Do not place foods with high water content/canned beverages around a Cold Air Blowout Port because they may freeze or burst. They are especially likely to freeze in "Sensor Cooling" or "Spot powerful cooling" mode. You can prevent food from freezing by using a lid or cellophane wrap.
- When storing warm food in the refrigerator compartment and/or opening and closing the refrigerator door, moisture contained in the stored food and air may cause condensation to adhere inside the refrigerator compartment. If this concerns you, wipe with a dry cloth.

Adjusting the temperature (Refrigerator Compartment)

You can change the temperature by touching the Control Panel.

1

Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2

Touch **Fridge** to adjust the Refrigerator Compartment temperature.

The default setting is "■■■". Select "■■■" for ordinary usage.

Select "■■■■" if you need additional cooling, such as in the summer.

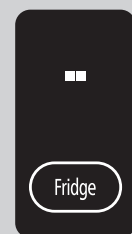
Request

If you use the refrigerator for a long time on "■■■■" when the ambient temperature is cold, such as in winter, the food may freeze. If you feel that the refrigerator is too cold, use "■■■" or "■■".

Note

- The temperature of the refrigerator will vary slightly depending on the operating conditions.
- You can also fine-tune the temperature. → Pg.32
- Changing the Refrigerator Compartment temperature setting also changes the Vacuum Compartment temperature.

Control Panel



Guide for refrigerator compartment temperature
 "■■■■" is about 1 to 3 °C lower than "■■■"
 "■■" is about 1 to 3 °C higher than "■■■"

Adjusting the height of pockets and shelves

You can change the positions of pockets and shelves according to the sizes of the food and beverages you wish to store. How to remove/attach → Pg.40

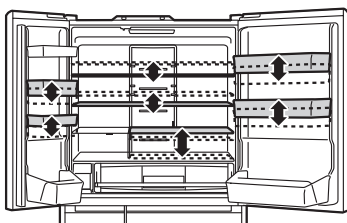


CAUTION

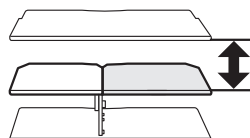
■ Handling the glass shelves

- Do not apply force to the glass shelves. (It may break and cause injury)
- The glass shelves are heavy. Handle with care when removing/attaching them.

■ Height adjustable upper shelves, height adjustable middle shelves, height adjustable lower shelves, height adjustable pockets
 Can be adjusted according to the height of the food or beverage.

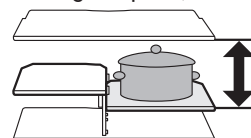


● Default



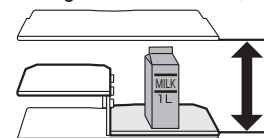
Set the shelf to the uppermost position

● Storage of pans, etc.



Set the shelf to the middle position

● Storage of milk cartons, etc.

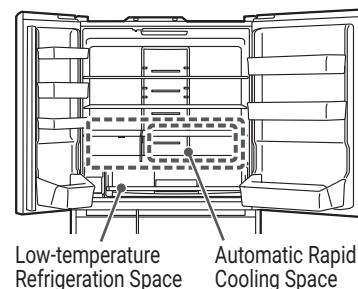


Set the shelf to the bottom position

Using “Sensor Cooling”

“Sensor Cooling” has two functions.

- **Makes Low-temperature Refrigeration Space cooler.**
(When “Sensor Cooling” is deactivated: Approx. 2 to 6 °C ⇒ When “Sensor Cooling” is activated: Approx. 0 to 3 °C)
It is recommended for storing prepared side dishes.
- **When hot food is placed in the “Automatic Rapid Cooling Space”, the sensor detects the temperature of the food and automatically cools it rapidly.**
Even if a hot pot is placed in this space, the cooling time can be shortened with minimum effect on other stored foods.
When storing warm food, **cool it to a temperature at which you can hold it in your hand (about 50 °C or less)** before putting it in the refrigerator. This will prevent burns and deformation of the shelves.

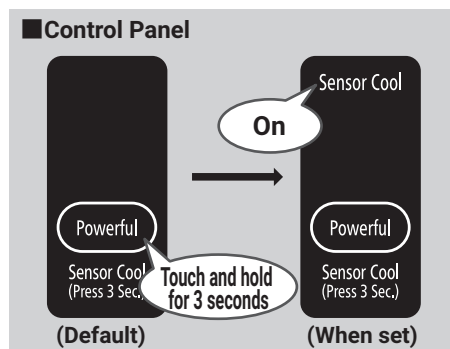


Note

- When “Sensor Cooling” is activated, the two functions of “Low-temperature Refrigeration” and “Automatic Rapid Cooling” are activated simultaneously. You cannot activate only one of them.
- Power consumption is higher when “Sensor Cooling” is activated. Also, the refrigerator operating noise may become louder.
- When “Sensor Cooling” is activated, the temperature of the double door pockets are also lower than when it is deactivated.
- When the temperature of the refrigerator compartment is set to “■” or “Energy Saving” is activated, the temperature of the entire refrigerator compartment is approximately 1 to 3 °C higher than when the temperature of the refrigerator compartment is set to “■■■”.
When the temperature of the refrigerator compartment is set to “■■■■”, the temperature of the entire refrigerator compartment is approximately 0 to 3 °C.
- When “Automatic Rapid Cooling” is activated, the sensor may not be able to detect the temperature of the food depending on the amount and temperature of the stored food. However, when the “Sensor Cooling” is activated, the temperature of the Low-temperature Refrigeration Space is lower, so the cooling time can be shortened.
- The temperatures assume an ambient temperature of approx. 32 °C around the refrigerator, the temperatures of the refrigerator and freezer compartments set to “■■■”.

To activate “Sensor Cooling”

- 1 Touch **MENU** to activate the display.**
All indicator lamps are activated, and then the current settings are displayed.
The default setting is “Off”.
- 2 Touch and hold **Powerful** for 3 seconds or longer until the setting sound (long beep) sounds, and “Sensor Cool” lights up.**
“Sensor Cooling” remains activated until it is deactivated.



To deactivate “Sensor Cooling”

- 1 Touch **MENU** to activate the display.**
- 2 Touch and hold **Powerful** for 3 seconds or longer until the setting is deactivated (2 short beeps), and deactivate “Sensor Cool”.**

Using “Spot Powerful Cooling”

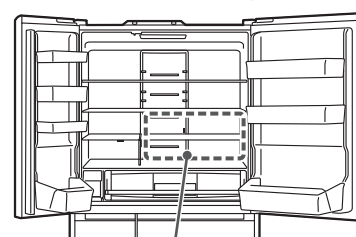
When you want to cool food quickly, you can increase the cooling of the “Automatic Rapid Cooling Space”.

You can reduce the time required to cool warm food and remove excess heat after cooking. This feature is recommended when you want to quickly cool packed lunches, drinks, or cooked vegetables, etc. before going out.

When storing warm food, **cool it to a temperature at which you can hold it in your hand (about 50 °C or less)** before putting it in the refrigerator. This will prevent burns and deformation of the shelves.

Note

- Power consumption is higher when “Spot Powerful Cooling” is activated.
- Continuous use of “Spot Powerful Cooling” may freeze the food in the refrigerator.
- “Spot Powerful Cooling” can be used even when “Sensor Cooling” is activated.



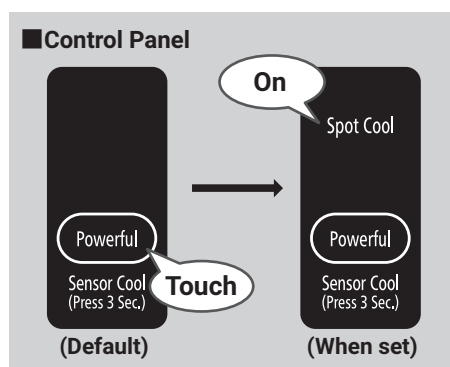
Automatic Rapid Cooling Space
Spot Powerful Cooling Space

To activate “Spot Powerful Cooling”

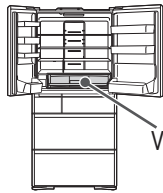
- 1 Touch **MENU** to activate the display.**
All indicator lamps are activated, and then the current settings are displayed.
The default setting is “Off”.
- 2 Touch **Powerful** to activate “Spot Cool” indicator.**
“Spot Cool” stops automatically after about 60 minutes and the “Spot Cool” display turns off.

To deactivate “Spot Powerful Cooling”

- 1 Touch **MENU** to activate the display.**
- 2 Touch **Powerful** to deactivate “Spot Cool” indicator.**



VACUUM COMPARTMENT



Vacuum Compartment

Platinum catalyst

The platinum catalyst breaks down the odor components emitted from meat and fish and converts them into carbon dioxide gas. This helps to keep food fresh.

Handle

Vacuum release valve (blue)

When you lift the handle and unlock, the vacuum release valve releases the vacuum. You will hear "Rushing air sound" when you release the vacuum.

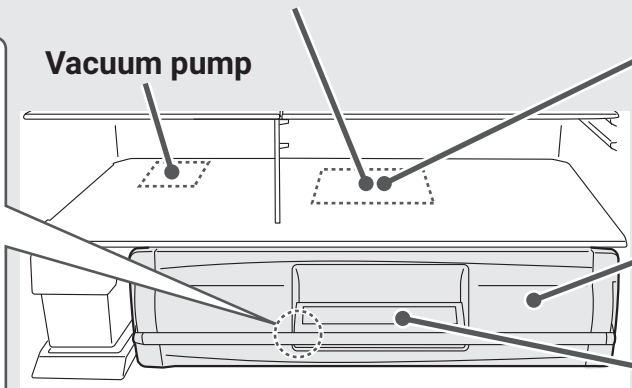
Vacuum pump

LED lamp

Illuminates the Vacuum Case brightly when the Refrigerator Compartment is opened.

Vacuum Case (with aluminum tray)





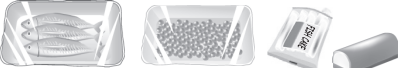

Handle



Storing food

Switch between "+1 °C" and "-1 °C" depending on the stored food.

* The default setting is "-1 °C".

+1 °C (About 0 °C to 2 °C)	<ul style="list-style-type: none"> ● Dairy products ● Cut vegetables and fruits ● Foods for which small bubbles appear when frozen <div>  Cheese, etc.  Cut raw vegetables, cut fruits  Tofu, konnyaku, deep fried tofu, shirataki noodles, boiled eggs, etc. </div>
-1 °C (About -2 °C to 0 °C)	<ul style="list-style-type: none"> ● Meat and processed meat products ● Fish, seafood, and processed seafood products ● Thawing meat and fish <div>    </div> <p>• Foods with high water content may freeze.</p>
Off (About -2 °C to 0 °C)	<p>Release the vacuum function. Recommended for storing "food in sealed bags" and "plastic sealed containers" that require careful storage. Since the temperature is below freezing point, foods with high water content may freeze.</p>

Note

The effect of the vacuum does not change even if the food is wrapped in cellophane wrap. If you are concerned about the transfer of odors to other items, please wrap the food.

Caution

- Foods with high water content may freeze when the ambient temperature is low.
- When storing foods suitable for "-1 °C (About -2 °C to 0 °C)" mode and "+1 °C (About 0 °C to 2 °C)" mode together, set the mode to "+1 °C" to prevent freezing.
- Changing the Refrigerator Compartment or Freezer Compartment temperature setting also changes the Vacuum Compartment temperature.
- **Do not overfill the Vacuum Compartment with food or containers.**
It may become impossible to pull out the Vacuum Case.

Changing the Vacuum Compartment settings

1 Touch **MENU** to activate the display.

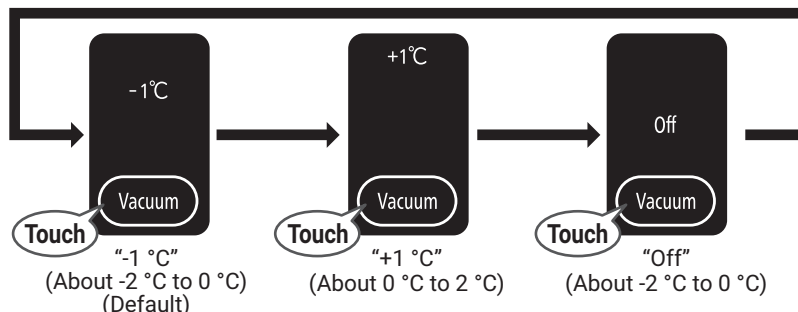
All indicator lamps are activated, and then the current settings are displayed.

2 Touch **Vacuum** to change to the desired setting.

Each time you touch the panel, the display changes in the order shown below. The default setting is “-1 °C”.

Note

- While “Off” is set, the “Off” display continues to light. Other displays are deactivated after about 40 seconds to save energy, but the functions that have been set continue to operate.

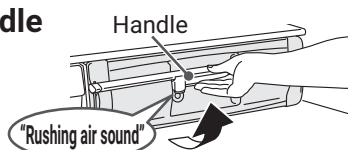


* The approximate Vacuum Compartment temperature assuming an ambient temperature of approx. 32 °C, no food inside, the doors closed, and a stable temperature.

Opening and closing the Vacuum Case

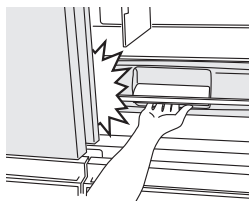
When opening

1 Pull up the handle lock to unlock.

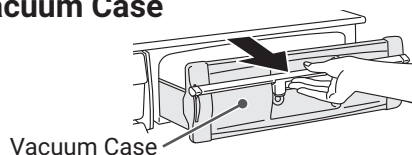


* It takes about 3 to 4 minutes from the time when the refrigerator door is closed and the vacuum pump is activated until a vacuum state is reached. If you open the Vacuum Compartment within 4 minutes, there may be no “Rushing air sound”.

* If you try to raise the handle without opening both the left and right doors of the Refrigerator Compartment, parts may break.



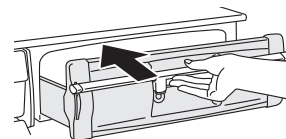
2 Pull the Vacuum Case forward.



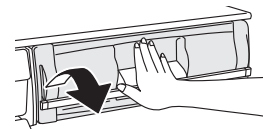
* The vacuum is being released while you hear the “Rushing air sound”. The Vacuum Compartment cannot be pulled out at this time. After the sound has stopped, pull the Vacuum Case out toward you.

When closing

1 Push the Vacuum Case all the way in.

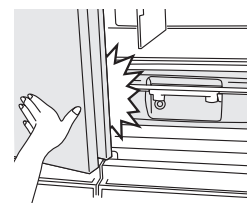


2 Firmly lower the handle to lock.



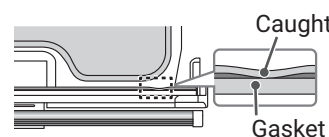
Caution

- If you do not lower the handle firmly, a vacuum cannot be created.
- If you close the Refrigerator Compartment door without locking the handle, it may cause breakage of parts or food, or cause the door to remain slightly open, resulting in poor cooling.



Request

- If the gasket is caught, the vacuum cannot be maintained. Straighten any parts of the gasket that are caught. The left and right sides and the underside are hard to see, so please remove the Vacuum Case to check. → Pg.40
- Since the Vacuum Compartment is hermetically sealed, water contained in food or air may cause water drops, frost, or ice to form inside the compartment. Wipe off with a soft cloth moistened with warm water. (The performance will not be affected even if there are water drops, frost, or ice in the Vacuum Compartment.)
- If you are concerned about water drops, frost, or ice, it is recommend to wrap stored food in cellophane wrap.
- If you spill water or juice from food in the compartment, wipe it off immediately.
- The platinum catalyst does not require replacement. Do not remove it.

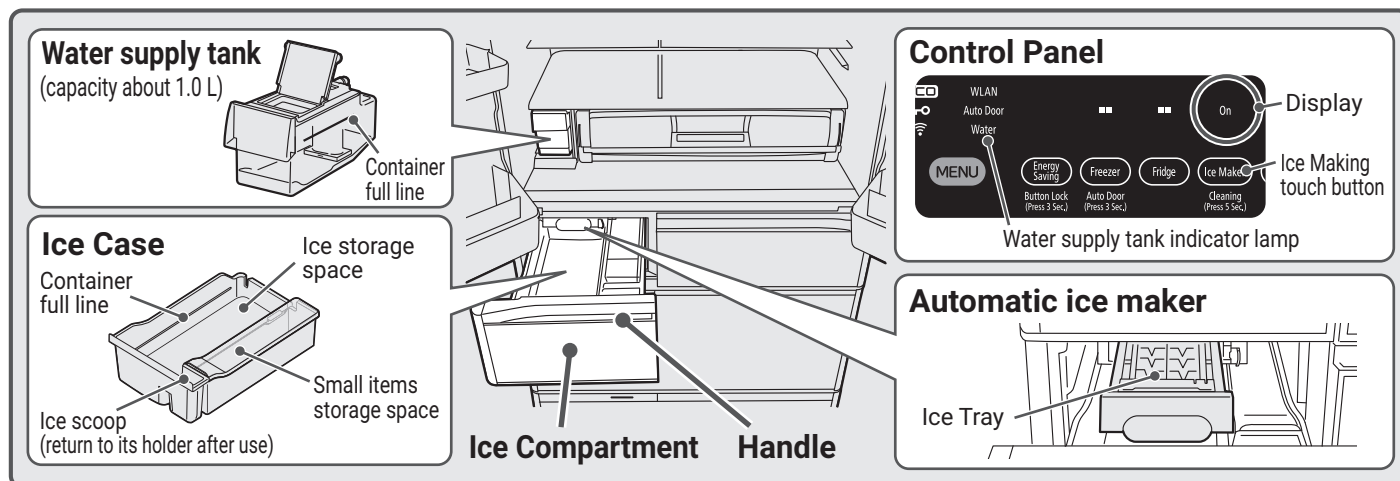
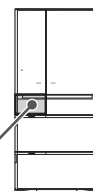


Water drops, frost, ice



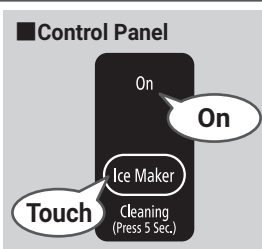
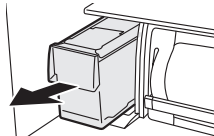
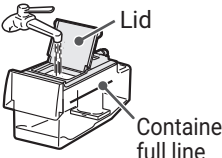
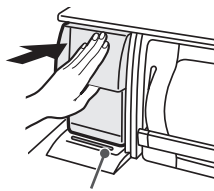
ICE COMPARTMENT (AUTOMATIC ICE MAKER)

Ice Compartment



Making ice

Perform "Ice Maker Cleaning" when making ice for the first time or for the first time in a week or more. → Pg.38

- 1 Touch **MENU** to activate the display.**
 All indicator lamps are activated, and then the current settings are displayed.
- 2 Touch **Ice Maker** to activate "On" indicator.**
 The default setting is "On".
 
- 3 Pull the water supply tank out .**

- 4 Open the lid and add water.**
 *Do not fill above the "Container full line".

- 5 Replace the water supply tank.**
 Firmly push it all the way in so that it passes the "Container set position" line.
 If the water supply tank is not pushed all the way in, it cannot make ice.
 *Water may spill out if the water supply tank is tilted. Wipe off any spilled water immediately.
 Firmly push it all the way in

- 6 Ice making starts automatically.**
 - When the ice reaches the Ice full line of the ice case, the automatic ice making function temporarily stops. When the ice level becomes low, it will restart automatically.
 - When there is no ice in the ice case, a loud sound of ice falling from the ice tray may be heard.

Request

- **WARNING:** fill with potable water only.
- Water for ice making is according to your drinking standard. Quality of tap water may vary in different countries. Please check and verify with your local authority.
- Change water and clean the container at least once a week for hygiene purposes. → Pg.39
- If the ice made of mineral water containing a lot of mineral ingredients is put into water, white powder may appear, this is due to mineral ingredients and is harmless.
- These types of water are easily contaminated with bacteria. Please wash the container usually once every 3 days.



Mineral water
(Hardness: 100 mg/L or less)



Filtered water or
boiled water



Well water
(Required to satisfy the appropriate
water quality standard)

- Do not use the following beverages as they may cause malfunction, deformation or sticking of ice.



Juice drink



Sports drink



Carbonated drink



Tea

Small items storage space

Items to be stored Ice pack and ice pop, etc.

Note

- Storing warm food in this space, the ice in the ice storage space may melt or it may take longer for ice-making.
- Since it cools indirectly, ice cream, etc. may become soft.
- Please make sure to use this space with the lid closed. Do not store items that are too large for the lid to close.

Ice storage capacity and time required to make ice

Model		R-ZXC740W type	R-WXC740W type
Ice storage capacity	When the ice is leveled	Estimated 150 ice cubes	
Time for one cycle of ice making (12 ice cubes)	Normal ice making	Estimated 110 to 140 minutes	
	"Quick"	Estimated 80 minutes	

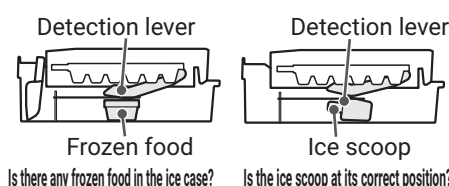
* Approximate time when the ambient temperature is about 30 °C, the temperature in each compartment is set to "■■■" and the door is not opened/closed.

Note

- Ice build-up in one place can stop ice making even when the ice level is low. To make more ice, move the ice to the front and level it off.
- It will take extra time to make ice in the following cases.
 - First time use (it may take 24 hours or more)
 - When the Freezer Compartment temperature is set to "■"
 - When a large amount of food is put into the refrigerator at once
 - When the refrigerator is set to "Save"
 - When there is a power outage
 - When the doors are opened and closed frequently
 - After cleaning the ice tray
 - When the Freezer Compartment or Ice Compartment doors are left partially open
 - When the ambient temperature is low such as in winter

Note

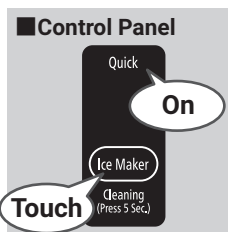
- When "On" or "Quick" is set, do not put anything other than ice made by the automatic ice maker in the ice storage space, such as frozen foods or the ice scoop. It will not be possible to make ice. (It may prevent the ice from forming as parts of the ice maker may be obstructed by the food obstructing.)
- Open and close the door of the Ice Compartment slowly. If you open or close it vigorously, ice may spill from the ice case and fall into the Lower Freezer.



Quick Ice Making

- 1 Touch **MENU** to activate the display. All indicator lamps are activated, and then the current settings are displayed.

- 2 Touch **Ice Maker** to activate "Quick" indicator. You can make ice in a shorter time than normal ice making. 12 ice cubes are made by one ice-making operation. "Quick" finishes in about 7 hours, and the ice maker switches back to "On".



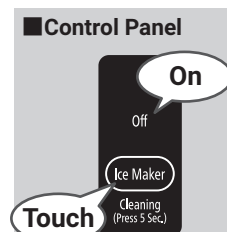
Note

- While "Quick" is operating, the "Quick" display continues to light. Also, the "eco operation indicator lamp" does not light up.
- While "Quick Ice Making" is operating, cooling for the freezer compartment is given priority, so the temperature of the refrigerator compartment is likely to increase when the doors are opened and closed frequently.

Stop Ice Making

- 1 Touch **MENU** to activate the display. All indicator lamps are activated, and then the current settings are displayed.

- 2 Touch **Ice Maker** to activate "Off" indicator. The ice maker stops automatic ice making and does not make ice. * If you want to stop ice making for one week or longer, please clean the automatic ice maker.



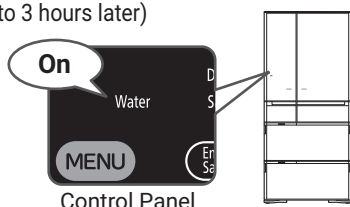
Note

While "Off" is set, the "Off" display continues to light.

Water supply indicator

When the water level is low in the water supply tank, the **Water** indicator lits. Add water to the water supply tank.

When the left door of the refrigerator compartment is opened or closed, the **Water** indicator turns off once. It lights up again if water is not added. (Up to 3 hours later)



Note

- The **Water** indicator does not light when the automatic ice maker is "Off".
- If there is water in the water supply tank but the water supply tank is not pushed in firmly, the **Water** indicator will light up. Push in the water supply tank so that it passes the "Container set position" line.
- Even when "On" is activated, the **Water** indicator may not light when the Ice Case is full.

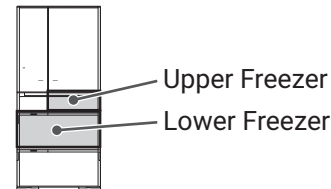
When "On" or **Freezer** "■■■■/■" and **Fridge** "■" are blinking

The ice tray may be touching food in the ice case.

Empty the ice case and perform "Ice Maker Cleaning". → Pg.38

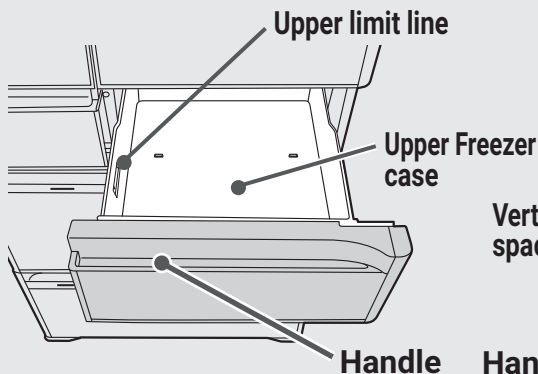


FREEZER COMPARTMENT



Upper Freezer

Use to keep daily foods or partially used foods.



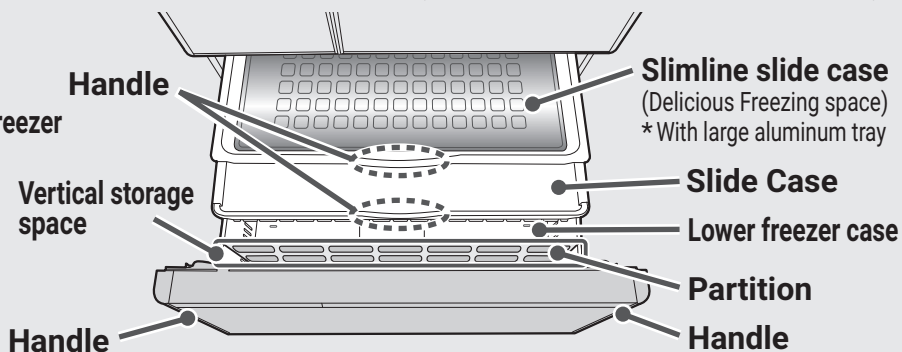
Caution

Do not store food above the Upper limit line.

Lower Freezer

The 3-layer case provides you with plenty of storage space and allows you to organize your food easily.

Suitable for storing foods that you store a lot of and ice cream that melts easily.



Caution

- The slimline slide case and the partition cannot be removed.
- When using the Slimline slide case and the Slide Case, hold the handle. Otherwise, your finger is caught in and it may result in injury.

Stored food

Upper Freezer		Freezer bags, airtight containers, bread, etc.
Lower Freezer	Slimline slide case	Small frozen food items, etc. (Delicious Freezing space) To quickly freeze meat, fish and steamed rice
	Slide Case	Freezer bags, airtight containers, etc.
	Lower freezer case	Frozen food, ice cream, etc. (Vertical storage space) Plastic bottles designed to be used in freezers, etc

Food can be stored according to different type and sizes with each case.

Please refer to the following guidelines for the height of food that can be stored in each case:

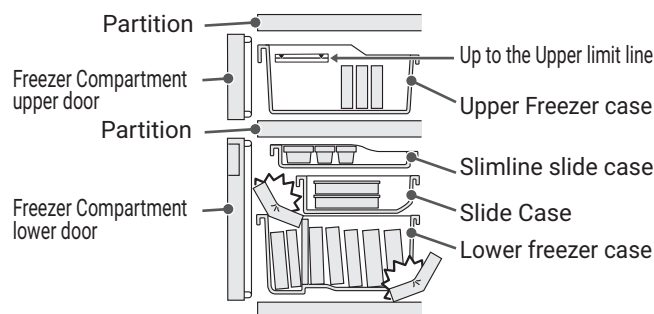
- Upper Freezer case: Upper limit line
- Other cases: Top edge of each case

Stored food should not touch the upper cases or partitions.

The doors may not close properly and the refrigerator may not cool properly. The food or the cases may also be damaged.

Caution

- Do not put plastic bottles in the slimline slide case. If the plastic bottle freezes, it will expand and it will be impossible to take it out.
- Do not use the freezer with the Slide Case removed. Food may fall into the back of the case and the door may not close.
- Do not use containers not designed to be used in freezers.

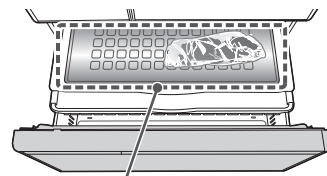


Using “Delicious Freezing”

Combined with the effect of the large aluminum tray, “Delicious Freezing” freezes food more quickly. Simply put the food in the Delicious Freezing space and the sensor will detect the temperature of the food and automatically switch the cooling operation.

Wrap the food in cellophane wrap or put it in a freezer bag and place it on the large aluminum tray. It is convenient to cut food into small, thin pieces. This will make it freeze to the center more quickly and also makes it easier to take out of the freezer.

When storing warm food, **cool it to a temperature at which you can hold it in your hand (about 50 °C or less)** before putting it in the refrigerator.



Delicious Freezing space

Note

You can freeze food more efficiently if you lay it out on the large aluminum tray rather than stacking it.

Adjusting the temperature (Freezer Compartment)

1 Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2 Touch **Freezer** to adjust the Freezer Compartment temperature.

The default setting is “■■■”. Select “■■■” for ordinary usage.

Select “■■■■” if you need additional cooling, such as in the summer.

Request

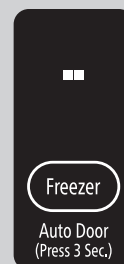
If you use for a long time on “■■■■” when the ambient temperature is cold, such as in winter, the food may freeze.

If you feel that the refrigerator is too cold, use “■■■” or “■■”.

Note

- The temperature of the refrigerator will vary slightly depending on the operating conditions.
- You can also fine-tune the temperature. (→ Pg.32)
- Seeing the freezer to “■■■■” consumes more power than the “■■■” setting.
- Changing the freezer temperature setting also changes the Ice Compartment temperature.

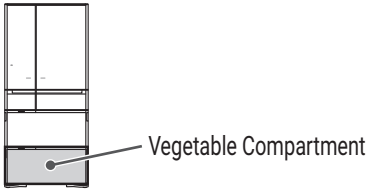
Control Panel



Guide for Freezer Compartment temperature

“■■■■” is about 2 to 4 °C lower than “■■■”
 “■■” is about 2 to 4 °C higher than “■■■”

VEGETABLE COMPARTMENT



Platinum catalyst The platinum catalyst breaks down the odor component of food and ethylene gas from vegetables and converts it to carbon dioxide. This helps to keep food fresh. The platinum catalyst does not require replacement. Do not remove it.

Partition
*Cannot be removed

Handle
(contains the platinum catalyst)
*Do not remove.

Upper case

Lower case

Partition
*Cannot be removed

Handle

Moisture unit
*Do not remove.

Moisture Cover
*Do not remove or forcefully move it.

Vertical storage space

Upper space

Lower space

Vegetable Compartment door

Partition

Request When using the upper case, hold the handle. Otherwise, your finger is caught in and it may result in injury.

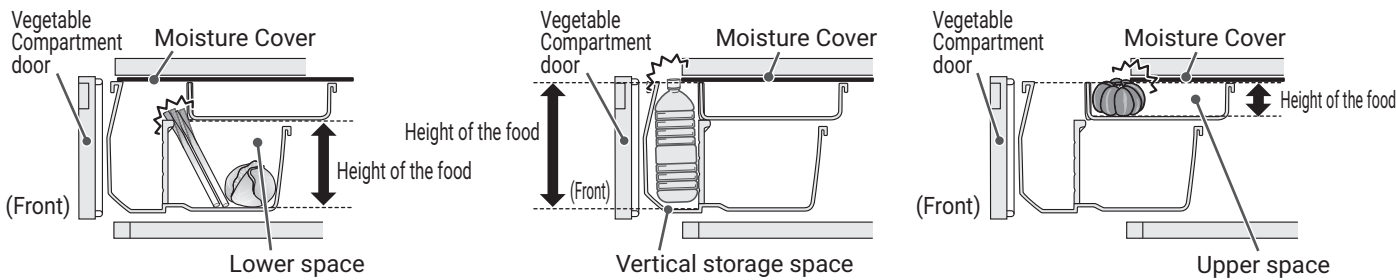
Stored food

Upper space	Partially used vegetables and small vegetables (tomatoes, bell peppers, etc.), fruits (strawberries, grapefruits, etc.)
Lower space	Leafy vegetables (spinach, Komatsuna (Brassica rapa), etc.), large vegetables (cabbage, lettuce, etc.)
Vertical storage space	Long vegetables (cucumbers, asparagus, etc.), 2 L plastic bottles, etc.

Store food according to its type and size.

- **Pay attention to the height of the food you store.**
 - The doors may not close properly and the refrigerator may not cool properly. The food or the cases, moisture unit may also be damaged.
 - Some food and bottles may not be possible to store within the compartment due to its size.
- **Do not use the Vegetable Compartment with the upper case removed.**
 - Food may fall into the back of the case and the door may not close.
- **Do not force food or beverages into the Vegetable Compartment.**
 - The partition or the cases, moisture unit may be damaged.

Guide to height



Adjusting the Temperature of the Vegetable Compartment (Using "Veg" mode)

1 Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2 The default setting is "Off".

Touch **Powerful** to activate "Veg" indicator.

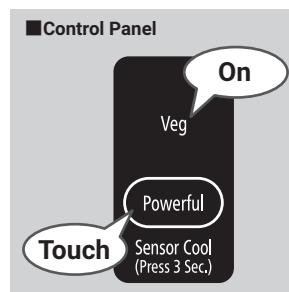
The refrigerator will cool at a lower temperature than usual. (Normally about 4 to 8 °C → "Veg" about 2 to 6 °C)

* The temperature assumes an ambient temperature of approx. 32 °C around the refrigerator, the refrigerator and freezer compartments set to "■■", no food inside, the doors closed, and a stable temperature.

Note

For energy saving, the display will be turned off after about 40 seconds, but the setting remains active until it is canceled.

Meanwhile, note that while the "Veg" is active, the ["Eco" Operation indicator lamp] does not light.



Deactivate Touch **MENU** to activate the display, then touch **Powerful** to deactivate "Veg" indicator.

Note

- If you use "Veg" for a long time, vegetables with high water content may freeze. In this case, cancel the "Veg" setting.
- If "Energy Saving" mode is set while "Veg" is set, cooling is reduced starting from "Veg". → Pg.34
- When the outside temperature is low, the temperature inside the case may also be low.

Request

In the following cases, cancel the "Veg" setting.

- If the surface of vegetables that are sensitive to low temperatures, such as eggplant, has dents or discoloration.
- If you are concerned about condensation in the Vegetable Compartment.

Tips for storing vegetables

■ Vegetables recommended for storage at room temperature

- It is recommended to store garlic, onions, potatoes, sweet potatoes and pumpkins (whole) in a cool dark place (where the room temperature is kept constant and low and away from direct sunlight).



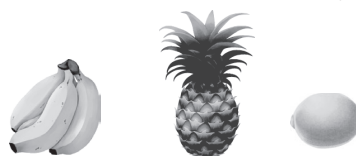
■ Foods prone to low temperature damage

If you put food in the Vegetable Compartment for a long time, the color may change or the taste may deteriorate depending on the food. Also, the food can lose vitamin C, become moldy, and begin to rot.

- Vegetables...tomatoes, bell peppers, cucumbers, eggplants, green beans, sweet potatoes, okra, etc.



- Fruits...bananas, pineapples, mangoes, papayas, avocados, lemons, etc.



What to do in the following cases

- When you are storing a small quantity of vegetables, it may not be possible to maintain high humidity, so please wrap the vegetables in cellophane wrap.
- Due to the high humidity in the Vegetable Compartment, depending on the amount and type of vegetables, condensation may form on the case, the surface of the moisture unit, or the surface of food. If you are concerned about condensation, wrap the food in cellophane wrap.
- If the moisture unit is blocked by a food bag or container, a large amount of condensation will occur. Move the food bag or container blocking the moisture unit to another location.
- Food can easily get damaged if water collects in the case so wipe off the dew condensation with a soft cloth.
- When storing dry food such as rice or seaweed in the Vegetable Compartment, put it in a closed container (bag) before storing. Dried food may absorb moisture.

Note

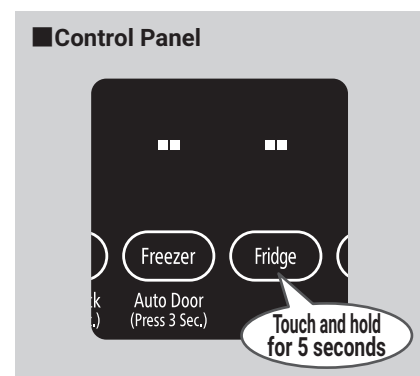
The vertical storage space has a slightly higher temperature than other spaces.

VARIOUS FUNCTIONS

Further temperature adjustments (Refrigerator/Freezer)

The temperature settings of the Refrigerator Compartment and the Freezer Compartment can be further adjusted in 11 levels.

- 1** Open the Freezer Compartment lower door.
- 2** Touch **MENU** to activate the display.
All indicator lamps are activated, and then the current settings are displayed.
- 3** Touch and hold **Freezer** for 5 seconds or longer until you hear a long beep.
- 4** Close the Freezer Compartment lower door.
- 5** Touch **Fridge** or **Freezer** to adjust each compartment.
Each time you touch it, the display changes in order as shown below.
Select "■■" for ordinary usage.
(□: lit, ■: blinking, ■: unlit)



Display											
Settings	Lower	Low	→	→	→	Medium	→	→	→	High	Higher



Deactivate

Perform steps 1, 2, 3, and 4.

Two short beeps will be heard, and normal adjustment (3 levels) will be restored.

Locking the Control Panel

By disabling the Control Panel, you can prevent accidental operation or misuse by children.

When the display is lit, you cannot change the settings even if you touch the control panel.

- 1** Touch **MENU** to activate the display.
All indicator lamps are activated, and then the current settings are displayed.
- 2** Touch and hold **Energy Saving** for 3 seconds or longer until the setting sound is heard.
The Control Panel lock switches "On" or "Off".
The default setting of the Control Panel lock is "Off" (off).

Control Panel lock settings	"On" (locked)	"Off" (unlocked)
	On	Off
Setting sound	Long beep	Two short beeps

Note

- Even if locking the Control Panel, it is not possible to deactivate the function on the Auto Door.
When you would like to deactivate the function on the Auto Door, touch and hold **Freezer** for 3 seconds or longer until the setting sound (two short beeps) is heard after unlocked the Control Panel. → Pg.20
- The Control Panel lock may be released after the power plug is disconnected and reconnected, or after operation restarts following a power outage.
- The display turns off after about 40 seconds to save power, but the setting continues until you cancel it.

Door alarm

If you open one of the doors for 1 minute or more, a sound and light will inform you that the door is open.

All the doors are equipped with the door alarm function (except the upper freezer of the R-WXC740W type).

Door opening time	After 1 minute	After 2 minutes	After 3 minutes or more
Alarm sound	Loud beep (3 times)	Loud beep (5 times)	Long beep (continuous), Louder
Display Section	Blinking	Blinking	Blinking
Operation Section	On	On	On

Note

- The Door Alarm will start in 30 secs if Energy Saving mode is activated. However, the display blinks after 1 minute.
- When the display is blinking, the Operation Section will not respond to touches. Close the door before operating the Control Panel.

Volume adjustment of door alarm and operation sound

You can make the door alarm and operation sounds louder, or you can set them to not sound.

1 Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2 Touch and hold **Fridge** for 3 seconds or longer until you hear the set sound.

The operation sound volume can be switched to "Standard", "Loud", or "Off". Repeatedly change the setting to choose the volume level you prefer (see table below). The default setting is "Standard".

Volume	Standard	Loud	Off	Standard
Setting sound	—	→ Two long beeps	→ Long beep	→ Two short beeps

(Default) ↑

Note

- It is not possible to adjust the door alarm and the operation sound to different volume levels.
- If you set the volume level to "Off", the indicator lamp on the Control Panel to inform the door is open will also not blink even when a door is open for 1 minute or more.
- Even if the volume is set to "Off", the "Ice Maker Cleaning" alarm will sound. In addition, if you press and hold the button for 3 seconds or longer, a beep sound is heard after doing it. → Pg.38
- The setting returns to "Standard" after the power plug is disconnected and reconnected, or after operation restarts following a power outage.

Triple power deodorizing effect (Refrigerator Compartment)

Deodorizes various odors in the refrigerator including the four major odors of sulfur, nitrogen, aldehyde, and acid, by combining three types of deodorizing materials.

SAVING ENERGY

“eco” operation indicator lamp

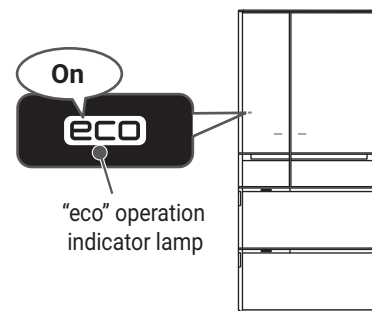
When the operation is relatively stable, **[eco]** automatically lights up to inform you of energy saving operation.

Use this indicator lamp as a reference for using the refrigerator wisely, such as by opening and closing the doors infrequently and putting food in and taking it out quickly.

Note

If **[eco]** does not light, the following reasons are possible.

- The refrigerator has just been installed or many foods have been stored at once
- The doors have been opened and closed frequently (the [Door open/close indicator lamp] is lit)
- Food or a bag is stuck in a door so that it cannot close completely
- “Quick” or “Spot Cool”, “Veg” is activated
- The temperature around the refrigerator is approx. 35 °C or higher



“Energy Saving” mode

When set to “Energy Saving” mode, the cooling of each compartment is reduced to save energy.

If you open the refrigerator door for 30 seconds or more, a door alarm sound is heard, and then the LED lights inside the Refrigerator Compartment and the Vacuum Compartment dim to remind you to close the door quickly. If the doors are not opened for a long period of time, the interior is cooled more slowly to further reduce energy consumption.

To activate “Energy Saving” mode

1

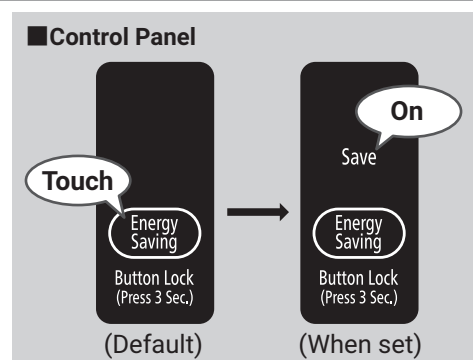
Touch **[MENU]** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2

The default setting for “Energy Saving” mode is “Off” (“Save” indicator: Off).

Touch **[Energy Saving]** to activate “Save” indicator.



To deactivate “Energy Saving” mode

1

Touch **[MENU]** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

2

Touch **[Energy Saving]** to deactivate “Save” indicator.

Note

- Automatic temperature control lowers cooling loads, which may cause ice cream to become soft. It also requires more time for freezing and ice making.
- The “Save” indicator lamp is turned on during “Energy Saving” mode.
- If “Quick” or “Spot Cool” is activated while “Save” is activated, the “Save” setting is temporarily canceled. After the “Quick” or “Spot Cool” operations are completed, “Save” is restored.
- If you have already set one or both of the “Freezer Compartment” and “Refrigerator Compartment” temperature to “■”, cooling is not reduced further in order to ensure that food is kept fresh.
- If “Energy Saving” mode is activated while “Veg” is activated, cooling is reduced starting from “Veg”. → Pg.31
- Activating “Sensor Cool” while “Save” is activated, the operation in which cooling is reduced is temporarily canceled when food is detected.

Door Open & Close indicator lamp

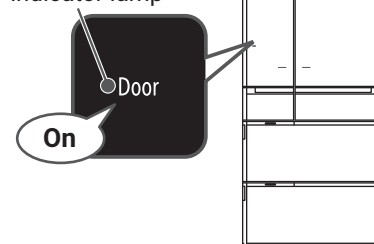
If you open and close the doors too frequently, **Door** automatically turns on to notify you.

Use this indicator lamp as a reference for using the refrigerator wisely, such as by opening and closing the doors infrequently and putting food in and taking it out quickly.

Note

- **Door** turns off automatically after about 5 minutes.
- When **Door** is lit, **ECO** does not light.

Door Open & Close indicator lamp



SAVING ENERGY

MAINTENANCE



WARNING

Be sure to remove the power plug from the outlet before cleaning.

■ If you notice dirt

Wipe it off immediately. It is also recommended to clean once a year.

Power plug

Unplug the power plug from the outlet and remove any dust with a dry cloth.

To prevent fire or electric shock → Pg.4

Once or twice a year

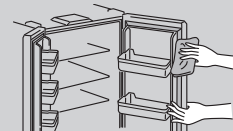


Door gasket

Clean with a soft cloth moistened with warm water to remove dirt.

This area is easily soiled, so wipe the dirt off thoroughly.

Once a month

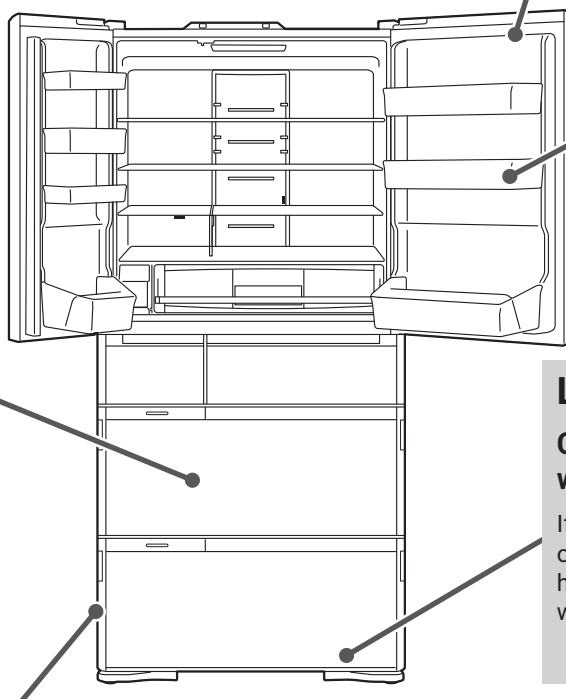
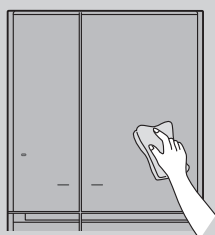


Door surfaces

Once a month

Clean with a soft cloth moistened with warm water to remove stains, and then wipe with a dry cloth.

If you find tape glue on the glass surfaces, you can remove it by rubbing it with a plastic eraser and wiping it with a dry cloth.



Shelves/ Pockets

Once every 3 months

Clean with a soft cloth moistened with warm water to remove dirt.



How to remove → Pg.40

Liquid receiver

Once a month

Clean with a soft cloth moistened with warm water to remove dirt.

If liquid has collected or the liquid receiver has become dirty, wipe it off.

Liquid receiver



Refrigerator back/sides/bottom

Once or twice a year

Remove the leg cover, lift the adjustable mounts from the floor, pull the refrigerator toward you, and wipe off the dirt.

How to remove → Pg.8

Plastic parts (left and right)
*Do not remove the plastic parts.

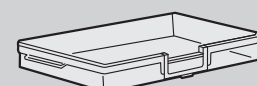


- Fine dust tends to adhere to the back surface or the area around the plastic parts on the sides of the refrigerator at the bottom due to the convection of air and it becomes dirty easily. For floors that can easily be scratched, put down a protective board or similar.
- If you are concerned about vibration noise or the back wall becoming discolored or dirty due to moisture, install the refrigerator 2 cm or more away from the back wall.

Cases

Once every 3 months

Clean with a soft cloth moistened with warm water to remove dirt.



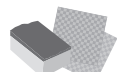
If you wash the Vegetable Compartment lower case with water, turn it over to drain the water, then wipe off the water thoroughly. Do not use long-haired items such as a toothbrush or scrubbing brush. They may scratch the cases or break the moisture unit.

How to remove → Pg.41

* Do not wash the platinum catalyst with water.

Request

- Do not use any of the following as they may damage or discolor the doors, painted surfaces, plastic, or glass surfaces.



Alkaline, weak alkaline kitchen detergents (other than neutral), glass cleaners, chlorine bleach

Scourer, polishing sponge, chemical cloth

Polishing powder, soap powder

Benzene, thinner, alcohol

Hot water

Check the "Liquidity" column of the "Labeling based on the Household Goods Quality Labeling Act" for detergents.

- If you spill edible oil, citrus juice, or food juice on any parts of the refrigerator, be sure to wipe it off. The parts may become discolored or crack.
- Do not wipe the movable contact surfaces of the cases and slide door rails, as they are coated with lubricant.
- If you attach a magnet or suction cup to the side of the main body or to a door, it may leave a mark.
- When the power plug is unplugged, the settings on the Control Panel may be canceled. Set them again according to your preference.
- Do not wash the plastic parts such as the water supply tank with dishwasher or boiling water, etc. Otherwise, the plastic parts may be deformed.
- When it is hard to remove the dirt, use neutral kitchen detergent diluted with lukewarm water and wipe clean with a damp cloth.

Vacuum Compartment Once a month

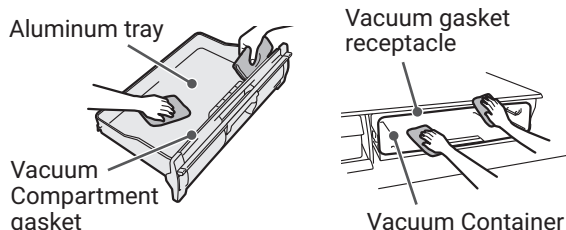
1 Pull the Vacuum Case forward.

How to remove → Pg.40

Please remove the food stored in the Vacuum Case.

2 Wipe each part with a soft cloth moistened with warm water.

* Do not use detergent, etc



Request

- Gently wipe the inside top of the compartment (Platinum catalyst and LED lamp inside the compartment). Wiping with excessive force may cause breakage.
- If you use detergent, etc., the Vacuum Compartment gasket may break, deform, or become discolored, and may not be able to maintain a vacuum state.

3 Attach the Vacuum Compartment.

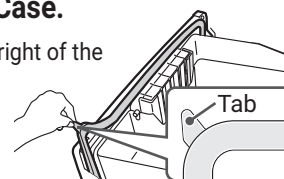
How to attach → Pg.40

If the Vacuum Compartment gasket is loose or the Vacuum Compartment rattles, the vacuum cannot be maintained.

If the Vacuum Compartment gasket is extremely dirty

1 Detach the Vacuum Compartment gasket from the Vacuum Case.

Take the tab on the top right of the Vacuum Compartment gasket with your fingers to remove the gasket carefully.



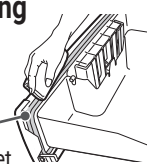
2 Wash the dirty area with a soft sponge, etc.

* Do not use detergent, etc

3 Wipe off the moisture with a dry cloth and allow it to air dry.

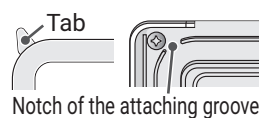
4 Wipe off the dirt on the attaching groove of the Vacuum Compartment gasket.

Attaching groove of the Vacuum Compartment gasket

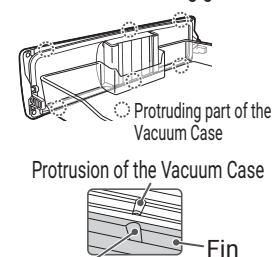


5 Attach the Vacuum Compartment gasket.

Align the tab of the Vacuum Compartment gasket with the notch of the attaching groove Vacuum Compartment gasket.



Align the recesses of the Vacuum Compartment gasket with the protrusions (6 locations) of the Vacuum Case to attach the gasket securely.



Recess of the Vacuum Compartment gasket

Auto Drawer

When a food is dropped/trapped and/or food juice collects on the upper part of the Auto Drawer unit, please take care of those.

1 Be sure to remove the power plug from the outlet.

2 Remove each case of the Lower Freezer or the Vegetable Compartment. → Pg.41

3 Remove the dropped or trapped food, etc.

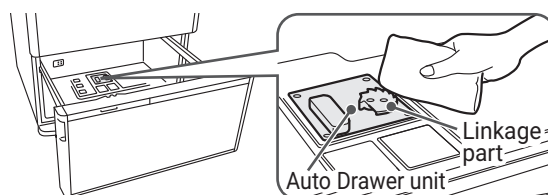
4 Wipe the collected food juice with soft and dry cloth.

Note

- Do not splash water on the Auto Drawer unit. It may cause a malfunction.
- Do not disassemble the Auto Drawer unit. It may cause an injury or malfunction.
- Be sure not to move the linkage part. It may cause a malfunction.

WARNING

Be sure to remove the power plug from the outlet to prevent injury.



MAINTENANCE (Continued)

Ice maker cleaning

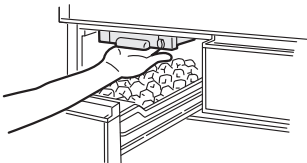
When using the automatic ice maker for the first time

When it has not been used for a week or longer



WARNING

Do not touch the mechanical part of the automatic ice maker.
(Doing so may cause injury.)



Rinse the ice tray and water channel.

Preparation

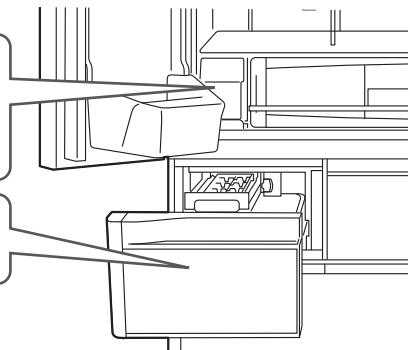
Before operating performing “Ice Maker Cleaning”, confirm the following.

Water supply tank

- There is water up to the container full line.
- It is positioned correctly past the container set position.

Ice case

- If there is any ice in the ice case, remove it.



After checking the items on the left, do the following.

1

Close all the doors.

2

Touch **MENU to activate the display.**

All indicator lamps are activated, and then the current settings are displayed.

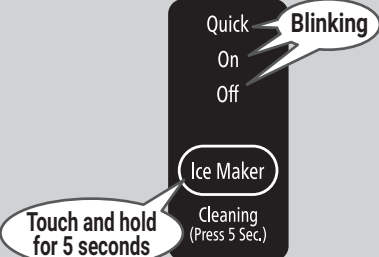
3

Touch and hold **Ice Maker for 5 seconds or longer until the alarm sounds.**

The three indicators “Quick”, “On”, and “Off” blink at the same time, and “Ice Maker Cleaning” starts. (About 4 minutes)

- The lamp blinks for about 4 minutes and the alarm continues to sound.
- You cannot cancel “Ice maker cleaning” partway through.
- If you open one of the refrigerator doors during “Ice maker cleaning”, it may not work properly.
Do not open or close any of the doors until “Ice maker cleaning” is finished.
- The alarm will be activated even if the door alarm is set to “Off”. → Pg.33

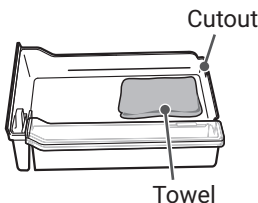
Control Panel



4

When the alarm stops, lay a clean towel on the bottom of the Ice Case to block the cutout at the rear.

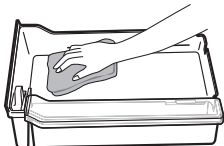
Place a water-absorbing towel on the bottom of the Ice Case to prevent water that has collected during the ice maker cleaning process from spilling out of the cutout.



5

Remove the Ice Case, wipe off the water inside, and then place it into the Ice Compartment.

Remove the towel you used to wipe off water.
You may continue to use the remaining water in the water supply tank.
After “Ice Maker Cleaning” is complete, the refrigerator resumes back to “On”.



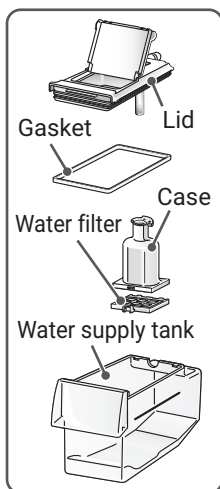
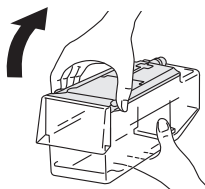
Water Supply Tank

Once a week

1

Take out the water supply tank and remove the lid.

Lift the front side of the lid to the direction of the arrow and remove the lid.



2

Remove the gasket and case from the lid.

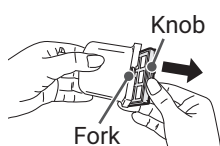
Turn the case to remove it from the lid.



3

Remove the water filter from the case.

Pull the knob of the water filter to remove it from the fork, and remove the case.

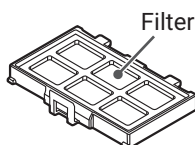


4

Wash each part of the water supply tank with water.

Use a soft sponge.
Do not use detergent, etc.

*Do not use a sponge when washing the filter part of the water filter.
Wash it out with water gently.



Note

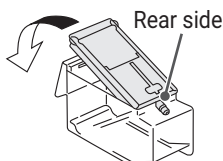
The water filter should be replaced about every 3 to 4 years.

→ Pg.54

5

Attach each part of the water supply tank, add water, and position it in place.

Insert the lid from the rear side and close it in the direction of the arrow.



Request

If you will not be using the automatic ice maker for a long time, after cleaning the water supply tank, dry it carefully and position it in place. (It is especially important to dry the water filter thoroughly.)

Ice tray

Once or twice a year

1

Touch **MENU** to activate the display.

All indicator lamps are activated, and then the current settings are displayed.

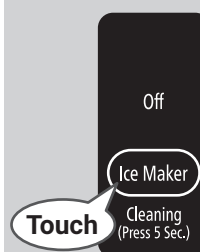
2

Touch **Ice Maker** to activate "Off" indicator.

Water supply to the ice tray stops.

*When "Off" indicator blinks, close all the doors and wait at least one minute until "Off" indicator is activated before performing the next operation. As a side note, the frame cannot be pulled out.

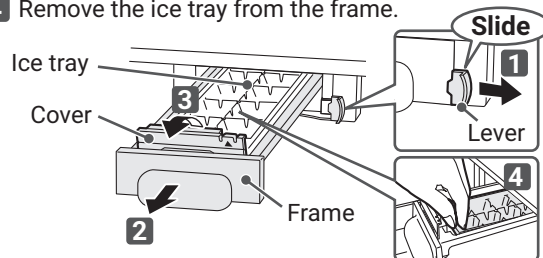
Control Panel



3

Open the ice compartment door and take the ice tray out.

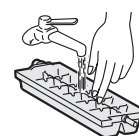
- 1 Slide the lever to the right.
- 2 Pull out the frame.
- 3 Lift the cover (▲ part) toward you.
- 4 Remove the ice tray from the frame.



4

Empty the ice tray and clean it under running water gently.

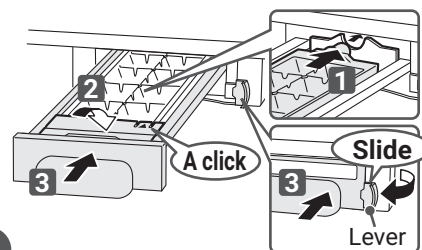
Do not use a sponge or cleanser, etc.
Be careful not to damage the surface.



5

Open the ice compartment door and attach the ice tray.

- 1 Set the ice tray.
- 2 Push the cover until a click is heard to close it.
- 3 Push the frame to the end until the lever slides to the right.
- 4 Move the frame back and forth and check that it is firmly fixed.



Note

If the frame of the ice tray cannot be pushed to the end, the motor to drive the ice tray may have been driven because "Off" has not been activated. In that case, remove the ice tray once and push only the frame in. Press **Ice Maker** after closing the ice compartment door and activate "Off". The motor to drive the ice tray is ready at least 1 minute later, and the ice tray can be attached.

6

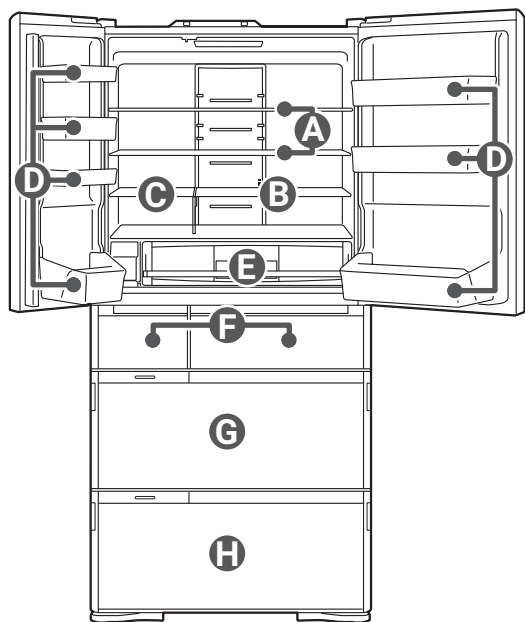
Touch **MENU** to activate the display, then touch **Ice Maker** to activate "On".

Automatic ice making starts.

HOW TO REMOVE/ATTACH PARTS

Caution

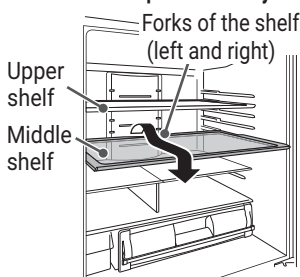
- Before removing parts, remove any food inside.
- Do not remove parts except the ones listed here.
Please contact a Hitachi customer service center if you wish to remove and clean such parts. → Pg.56
- Do not remove the platinum catalysts in the Vacuum Compartment and Vegetable Compartment. Also, do not wash them with water.



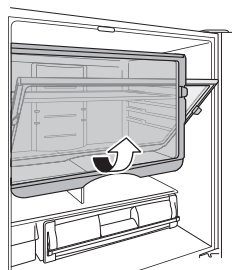
A Height adjustable upper and middle shelf

Request To remove the shelves, remove the middle shelves first, then remove the upper shelves.

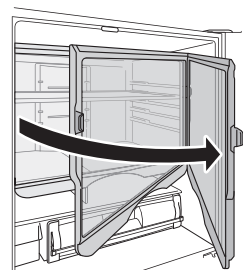
1 Lift the back of the shelf a little and pull it toward you.



2 Raise the shelf as shown in the drawing.



3 Rotate and remove it.



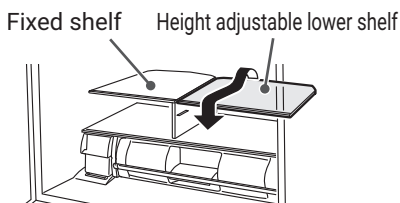
When installing the shelf, insert the shelf until the shelf comes into contact with the inner side of the refrigerator compartment and push the shelf in while slightly lifting the back side of the shelf. (Hook the tab of the shelf to the part of the inner side of the refrigerator compartment.)

Caution

The glass shelves are heavy. Take care when removing/attaching them. If a shelf falls, you may be injured or the shelf may break.

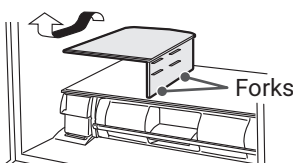
B Height adjustable lower shelf

Remove the shelf while lifting the front side of the shelf.



C Fixed shelf

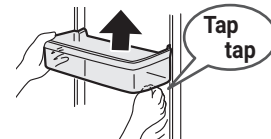
Remove the Height adjustable lower shelf first and pull out the fixed shelf toward you, and then detach the two tabs on the lower right to remove the fixed shelf.



D Door pockets

Gently tap the left and right sides at the bottom and lift to remove.

(The door pockets are fixed firmly)



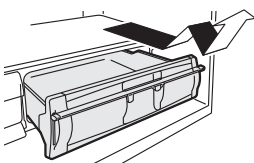
Caution

When attaching, attach them firmly as far as they will go. If they are not attached properly, they may come off and fall, resulting in injury.

E Vacuum Case

How to remove

Pull out the Vacuum Case first and pull out the Vacuum Case while lifting the front side of the Vacuum Case and moving it up and down.

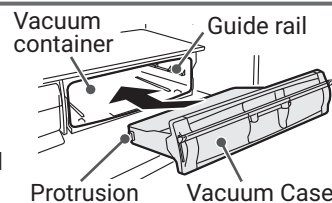


How to attach

Slide the left and right protrusions of the Vacuum Case under the guide rails of the vacuum container. Finally, lower the handle to lock.

Request

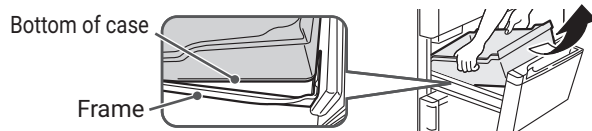
Make sure that the Vacuum Case is correctly attached by moving it in and out several times after attachment.



F Ice Case (Ice Compartment) and Upper Freezer case (Upper Freezer)

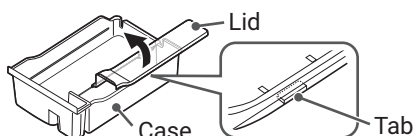
Open the door and lift the case toward you.

- When removing the Ice Case, remove it after pulling the lid of the small items storage case toward you and closing it.
- When attaching, place the bottom of the case on the frame to set it in place.

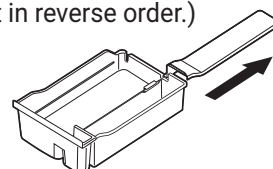


Remove the lid of the small items storage case according to the following procedures. (Install it in reverse order.)

1 Bend the side of the small items storage case with the lid slide partway and detach the tab of the lid.



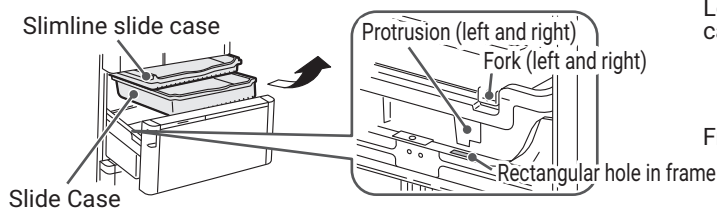
2 Slide the lid and pull out it from the back.



G Slide Case and Lower freezer case (Lower Freezer)

1 Open the door and pull out the Slide Case.

Caution The Slimline slide case cannot be removed.



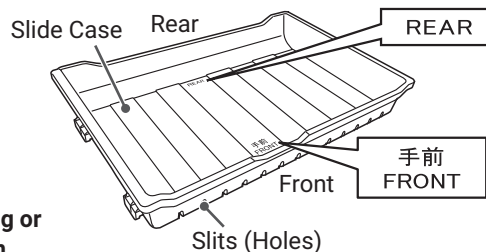
When attaching, insert the left and right protrusions of the Lower freezer case into the rectangular holes of the frame and set it in place. Then, set the left and right forks of the Slide Case in place on the outside of the Lower freezer case.

Attach the Slide Case so that the side of the bottom of the case with the characters of "FRONT" faces front.

Note If it is not set properly, there may be a strange noise when opening or closing the door, or it may cause the door to remain partially open.

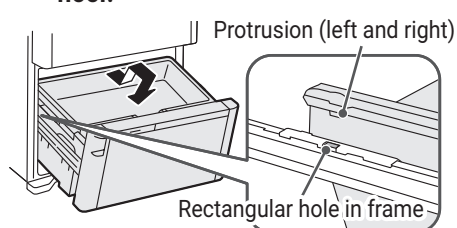
2 Lift the Lower freezer case toward you.

Caution Do not remove the sticker.

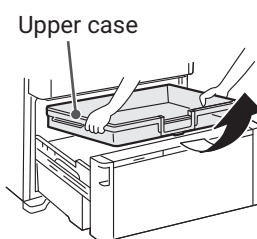


H Upper Case and Lower Case (Vegetable Compartment)

1 Open the door as far as it will go, lift both ends toward you, pull it out more slowly, and lower it to the floor.

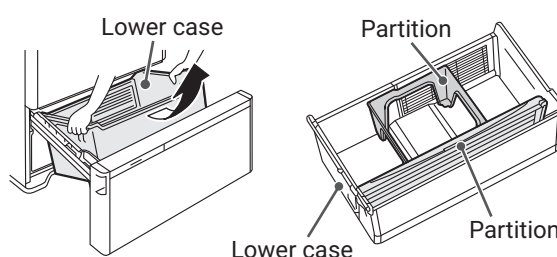


2 Pull up the upper case.



3 Lift the lower case forward.

Caution The partition cannot be removed.



Caution

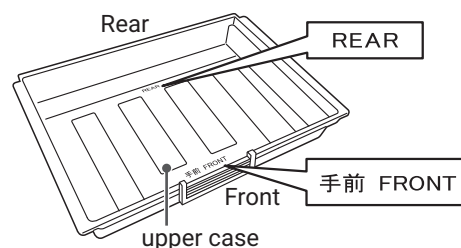
- Be sure to keep your feet far enough away when opening the door. You may pinch your foot with the door.
- Note that water may drip from the back of the lower case.

If it is not set properly, there may be a strange noise when opening or closing the door, or it may cause the door to remain partially open.

Attach the upper case so that the side of the bottom of the case with the characters of "FRONT" faces front.

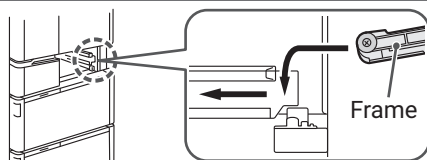
Note If the upper case is not attached correctly, parts such as the case may break.

After attaching the upper case, hold the handle of the upper case to slide the upper case forward and backward, and check the upper case is attached correctly.

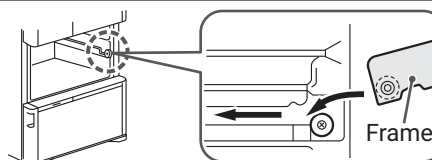


How to remove/attach the slide door (Ice Compartment/Upper Freezer/Lower Freezer/Vegetable Compartment)

Ice Compartment/Upper Freezer







Lower Freezer/Vegetable Compartment



TROUBLESHOOTING

Check the following points before calling for repair. If the refrigerator still does not work correctly, contact a Hitachi customer service center for product information and handling of the problem. [→ Pg.56](#)

Symptoms		Checks	Possible Cause
Initial stage	Not cold	Have 24 hours passed since the installation?	Cooling may take 24 hours or more. Place food at interval time and refrain from opening and closing the door within 24 hours. Cooling will take a longer time during summer or when large amount of food is stored.
	There is no ice	Have 24 hours passed since the installation?	As the entire refrigerator is not cooled immediately after installation, it takes more than 24 hours for the first ice to be made. Place food at appropriate intervals, refrain from opening and closing the doors as much as possible, and wait.
Control Panel	Control Panel is not working	Is  lit in the Display Section? If yes, the Operation mode is locked.	Deactivate "Lock" mode. → Pg.32
		Is a Refrigerator Compartment door open?	Please close the door after use.
		Are there water drops or dirt on the Control Panel?	Remove the dirt with a damp cloth and then wipe it with a dry cloth.
		Are you wearing gloves or do you have a plaster on your finger?	Touch directly with your finger.
		Are you touching another area of the touch panel at the same time?	Touch only the area you wish to operate.
		Is   blinking on the Control Panel?	The software on the refrigerator is being updated. You cannot operate the control panel on the refrigerator while the software on the refrigerator is being updated. Please wait a second until the update of the software on the refrigerator is completed.
	The Operation Section is unlit.	_____	The Operation Section goes out about 40 seconds after the completion of operation to save energy. → Pg.19 To turn it back on, touch  or open a door of the Refrigerator Compartment.
Refrigerator is not cold	Settings on the Operation Section have been changed unintentionally	Is another user operating the refrigerator with the smartphone?	Up to 5 smartphones can be registered on one refrigerator, and the refrigerator can be operated via the smartphones.
	Not cold enough Ice cream is soft.	Is food or a bag stuck in a door so that it cannot close completely?	Remove the food and close the door. Ensure the height of the food do not exceed the limit.
		Have you packed food in forcibly or put a large amount of food in the refrigerator at once?	Keep gaps between food when storing it.
		Are the cases for each compartment attached properly?	Attach them properly. → Pg.41
		It may be difficult to cool depending on the location where the refrigerator is installed, the gaps, and the surrounding conditions.	Check if the refrigerator is installed correctly. → Pg.8
		Is "Energy Saving" mode activated?	Deactivate "Energy Saving" mode. → Pg.34
		Is the temperature set to "■"?	Change the temperature setting of the compartment which does not cool well. → Pg.22, 29
		Is the ambient temperature around the refrigerator too high, such as in summer?	
		Did you open one of the doors for a long time or did you open and close it too frequently?	The temperature inside the refrigerator gradually rises while one of the refrigerator doors is open. Frequently opening and closing the doors or leaving a door open for a long time makes it difficult for the temperature in the refrigerator to drop. Open and close the doors quickly or open and close them as little as possible.
		Does the Control Panel display change continuously?	The refrigerator is in Store mode. Deactivate this mode. → Pg.44

Symptoms	Checks	Possible Cause
Automatic ice making	Is "Off" lit on the control panel? If yes, the "Ice-making" mode has been turned off.	Activate "On" or "Quick" mode. → Pg.26, 27
	Is Water lit on the control panel? The water in the water supply tank is low.	Add water into the water supply tank. → Pg.26, 27
	Is the water in the water supply tank low?	If the water in the tank is low, ice may not be made. Add water until water level reaches the "Container full line" of the water supply tank. → Pg.26
	Is the water supply tank beyond the "Container set position" line?	Push it beyond the "Container set position" line. → Pg.26
	Did you push the frame to the end until the lever slide to the right?	Push the frame to the end until the lever slides to the right. → Pg.39
	Is anything other than ice stored in the Ice Case?	Remove it from the Ice Case.
	Is the Ice Case filled with ice over the limit line for stored ice?	Remove some ice. → Pg.27
	Are you opening the doors frequently or storing a large amount of food at once?	The inside is not cooled down enough. Minimize the opening and closing frequency of the doors until it is entirely cooled. Allow enough spacing between each item of stored food.
	Is the surrounding temperature low?	Ice making takes more than four hours during winter. Refrain from opening and closing the doors frequently and wait.
	Did you just change the Ice Maker setting from "Off" to "On"?	Ice making may take time immediately after changing the setting. Refrain from opening and closing the doors frequently and wait.
	Are there any food or package stuck in between the door of the Freezer or Ice Compartments preventing the door from closing completely?	Remove the food and close the door.
	Is "Energy Saving" mode activated ?	Deactivate "Energy Saving" mode. → Pg.34
There are protrusions on the ice.	_____	This is caused by frozen water collected in the ice tray grooves. It is not a fault.
Stored ice becomes round. Ice cubes adhere together.	Is old ice left unused for a long time?	Old ice cubes naturally shrink and stick together. There is no problem as long as the ice cubes can be separated with the ice scoop.
	Are you opening the doors frequently or storing a large amount of food at once?	Open and close the doors quickly or open and close them as little as possible.
	Was one the Refrigerator Compartment doors or slide doors temporarily left partially open?	When closing the door, close it fully.
The ice maker makes small ice cubes.	Is the water in the water supply tank low?	When water is low, small ice cubes may be made. Add water until water level reaches the "Container full line" of the Water Supply Tank. → Pg.26
Freshly-made ice cubes adhere together.	Did you push the frame to the end until the lever slide to the right?	Push the frame to the end until the lever slides to the right. → Pg.39
	Is the ice tray scratched?	If the ice tray is scratched, the ice cubes are hard to come off from the ice tray and it may cause the ice cubes to be broken or adhered. Please contact your dealer and replace the ice tray.
	_____	Water accumulated in the ice tray grooves may freeze and the ice cubes may adhere together. It does not indicate any fault.
There are white impurities in the ice cubes.	_____	This is due to the air bubble formed in the ice.
	Did you use mineral water to make ice?	The minerals contained in the water may freeze and turn white, but this is harmless.
The frame of the ice tray cannot be pulled out.	Did you set the automatic ice maker to "Off" ?	The frame of the ice tray cannot be pulled out while the automatic ice maker is activated. Set the automatic ice maker to "Off". If "Off" indicator of the Ice Maker blinks, please wait for 1 minute until it becomes lit and pull out the frame. → Pg.39
When not making ice	_____	Activate "Off" mode. See "Stop Ice Making". → Pg.27

TROUBLESHOOTING (Continued)

Symptoms	Checks	Possible Cause
3 or more temperature control lamps for freezer/refrigerator are blinking.	For freezer/refrigerator, check each of the 6 lamps "■■■■/■■■/■" to see if they are blinking or off.	Place a <input checked="" type="checkbox"/> mark on which lamps are blinking and contact a customer service center for repair. → Pg.56 If you record the information, the problem will be communicated accurately.
3 or more temperature control lamps for WLAN , Refrigerator are blinking	For WLAN and refrigerator, check each of the 4 lamps "■■■■/■■■/■" to see if they are blinking or off.	Place a <input checked="" type="checkbox"/> mark on which lamps are blinking and contact a customer service center for repair. → Pg.56 If you record the information, the problem will be communicated accurately.
Ice Maker "On" indicator lamp blinking or "■■■■/■" and Freezer "■" indicator lamp blinking	Did you place food or ice other than ice made by the automatic ice maker in the Ice Compartment?	Food, etc. may be blocking the ice tray. Empty the Ice Compartment and perform "Ice Maker Cleaning". → Pg.38
"-1 °C" indicator lamps blinking	Does it occur immediately after having checked by a service engineer?	The refrigerator may be in Operation Check mode which is used by a service engineer when checking the refrigerator. It will return to normal mode after about 15 minutes. There is no problem to use the refrigerator.
Auto Door indicator lamps blinking	Does it occur immediately after having checked by a service engineer?	The refrigerator may be in Operation Check mode which is used by a service engineer when checking the refrigerator. It will return to normal mode after about 10 minutes. There is no problem to use the refrigerator.
The Ice Maker "Quick", "On", and "Off" indicator lamps blink simultaneously.	Did you touch and hold Ice Maker for 5 seconds or longer?	"Ice Maker Cleaning" is being performed. "Ice maker cleaning" is finished in about 4 minutes and Ice maker "On" indicator is lit. You cannot cancel "Ice maker cleaning" partway through. See "Ice maker cleaning". → Pg.38
Ice Maker "Off" indicator lamps blinking	Isn't it immediately after you set the automatic ice maker to "Off"?	The automatic ice maker is operating. Blinking stops in about 1 minute. You cannot pull out the frame of the ice compartment while the indicator is blinking.
All displays blinking	Is the door opened? Is the door opened due to food stuck in between?	Close the opened-door. Remove the food stuck inbetween and close the door properly.
WLAN and Wi-Fi indicator lamps blinking	_____	The software on the refrigerator is being updated. When the update is completed, those lamps stop blinking. → Pg.17
WLAN blinking	_____	It is not possible to connect to the Wireless LAN because the communication is being on standby. Please wait a second until this indicator lamp lights up.
Blinks other than the above	_____	Please consult your dealer.
The lit lamps are changing continuously.	_____	The refrigerator is in Store mode Cancel this mode. The refrigerator does not cool in Store mode. Open the Refrigerator Compartment doors (left and right) and the Freezer Compartment lower door. Touch MENU on the Control Panel to light up the display. Touch and hold Freezer for 10 seconds or longer until you hear two short beeps. All the indicator lamps light for a few seconds, Store mode is released, and cooling operation resumed. Close the Refrigerator Compartment doors (left and right) and the Freezer Compartment lower door.

Indicator is blinking

(Checklist)

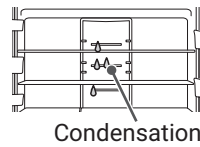

<input type="checkbox"/> ■■■■	<input type="checkbox"/> ■■■■
<input type="checkbox"/> ■■	<input type="checkbox"/> ■■
<input type="checkbox"/> ■	<input type="checkbox"/> ■

Freezer Fridge

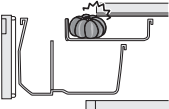
(Checklist)

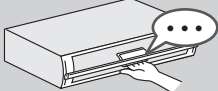
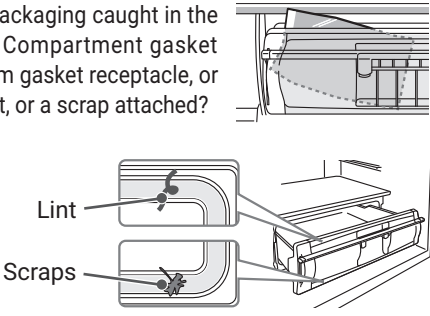
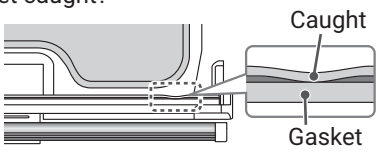

WLAN	<input type="checkbox"/> ■■■■
Blinking	<input type="checkbox"/> ■■
	<input type="checkbox"/> ■

Fridge

Symptoms	Checks	Possible Cause
Frost amd/or condensation formed	There is frost, condensation, or ice on the inside of the refrigerator or slide door frame.	Was one the Refrigerator Compartment doors or slide doors temporarily left partially open? When closing slide doors and doors, make sure that no food or bags are caught, and close them properly.
	Did you open one of the doors for a long time or did you open and close it too frequently?	When a door is opened or closed, water in the air may cling to the walls or parts in the Freezer in the form of frost or ice. Open and close the doors quickly, or reduce the frequency of opening and closing the doors. Wipe off any frost or condensation with a dry cloth.
	Condensation adheres to the outside of the refrigerator.	Is the air surrounding the refrigerator humid? Condensation may adhere to these parts when the indoor humidity is high (e.g. rainy day). Wipe off the condensation with a dry cloth.
	Is the temperature set to "■■■" ?	When the temperature is set to "■■■", condensation may be formed on the surface of the doors. Set the temperature to "■■". Wipe off the condensation with a dry cloth. → Pg.22
	There is condensation on the back of the refrigerator and the walls.	Is the humidity around the refrigerator too high or is the gap between the back of the refrigerator and the wall too narrow? Keep the back of the refrigerator at least 2 cm away from the wall. → Pg.8
Auto Refrigerator Door	There is condensation inside the Refrigerator Compartment.	Did you open one of the doors for a long time or did you open and close it too frequently? Condensation may form on the walls and/or around the Cold Air Blowout Port → Pg.22 when the doors are opened and closed frequently or when the humidity is high around the refrigerator. It does not indicate any fault. Wipe off the condensation with a dry cloth. 
	Operation sound is loud. Operation sound which concerns you is heard.	Collision thumping sound This is the sound when the Auto Refrigerator Door is operating. It does not indicate any fault.
		Roaring sound such as zing, toot and whirl This is the sound when the Auto Refrigerator Door is operating. It does not indicate any fault.
		The operation sound is different between the right and left Auto Refrigerator Door. It differs depending on the installation conditions of the refrigerator and/or the amount of food stored in the pockets of the refrigerator doors. It does not indicate any fault.
	The refrigerator compartment door does not open even if you touch the operation part of the Auto Refrigerator Door.	Is Auto Door lit? Make Auto Door light up.
		Is either the Ice Compartment or the Lower Freezer door open? Close the open door, and then touch the Control Panel of the Auto Refrigerator Door switch.
	The Auto Refrigerator Door does not close.	Is anything such as food, zipper storage bag and plastic wrap trapped? Remove the trapped food, etc.
		Does the supply of the power fail or the Auto Refrigerator Door hit an obstacle while the Auto Refrigerator Door is operating? The Auto Refrigerator Door function stops halfway through, so close the refrigerator compartment door manually.
	Auto Refrigerator Door opens only by small degrees.	Don't the stored beverages and foods come into contact with the inner wall of the refrigerator compartment? Remove the stored beverages and foods which come into contact with the inner wall of the refrigerator compartment.
		Is the floor even? The opening degrees of Auto Refrigerator Door may change and/or Auto Refrigerator Door may slightly return after it is opened automatically depending on the installation conditions of the refrigerator. These do not indicate any fault.
	Auto Refrigerator Door operates even after locking the control panel.	You cannot deactivate the Auto Refrigerator Door function even if you lock the control panel. When you would like to deactivate the Auto Refrigerator Door, touch and hold  for 3 seconds or more until "2 short beeps" are heard after unlocking the control panel. → Pg.20, 32


TROUBLESHOOTING (Continued)

Symptoms	Checks	Possible Cause
Auto Drawer	Operation sound is loud. Operation sound which concerns you is heard.	Collision thumping sound This is the sound when the Auto Drawer is operating. It does not indicate any fault.
	Roaring sound such as zing, toot and whir	This is the sound when the Auto Drawer is operating. It does not indicate any fault.
	The operation sound of the Vegetable compartment is heard louder than that of the Lower Freezer.	The operation sound of the Vegetable compartment is heard louder compared to that of the Lower Freezer. This will also vary depending on the amount of the food stored. It does not indicate any fault.
	The Auto Drawer does not open even when the Auto Drawer switch is pressed.	Is Auto Door lit? Make Auto Door light up. → Pg.20
	Is either the Lower Freezer door or the Vegetable compartment door open?	Close the open door, and then press the Auto Drawer switch of the door you would like to open.
	The Auto Drawer does not open/close.	Is anything such as food, zipper storage bag and plastic wrap trapped? Remove the trapped food, etc.
	Does the supply of the power fail or the Auto Drawer hit an obstacle while the Auto Drawer is operating?	It needs more force to open/close the Auto Drawer because the Auto Drawer function stops during operation. Push the door in manually using force. Otherwise, pull out the power plug with the door pulled out, and then put the power plug in the outlet after waiting at least 10 seconds.
	Is any food, etc. caught between the moisture cover and the upper case of the Vegetable Compartment? 	Remove it if any. Also, do not forcibly close the door when food, etc. is in contact with the moisture cover.
The drawing-out quantity of the Auto Drawer is small.	_____	The drawing-out length of the Auto Drawer during operation is approximately 15 cm or longer. The drawing-out length of the Auto Drawer may be vary or the door may return slightly after the door opens electrically depending on the installation conditions of the refrigerator. It does not indicate any fault.
Auto Drawer operates even after locking the control panel.	_____	You cannot deactivate the Auto Drawer function even if you lock the control panel. When you would like to deactivate the Auto Drawer function, touch and hold Freezer for 3 seconds or more until "2 short beeps" are heard after unlocking the control panel. → Pg.20, 32

Symptoms	Checks	Possible Cause
<p>There is no "Rushing air sound" when opening the Vacuum Compartment.</p> 	Is the setting of the Vacuum Compartment "Off"?	Change the setting to "-1 °C" or "+1 °C". → Pg.25
	Is the handle raised?	Firmly press down on the handle to lock it.
	Is the handle pushed all the way down and locked?	If the Vacuum Compartment is not locked, a vacuum will not be created. Push the Vacuum Case all the way in, and then push the handle down as far as it will go to lock it.
	Doesn't the Vacuum Compartment gasket fall off?	Attach the Vacuum Compartment gasket correctly. → Pg.37
	Is food packaging caught in the Vacuum Compartment gasket or vacuum gasket receptacle, or is dirt, lint, or a scrap attached?	 <p>If food packaging is caught, remove it. Clean the Vacuum Compartment gasket if it is dirty. → Pg.37</p>
	Is the gasket caught?	 <p>If the gasket is caught, the vacuum cannot be maintained. Straighten any parts of the gasket that are caught. → Pg.40 The left and right sides and the underside are hard to see, so please remove the Vacuum Case to check. Clean the Vacuum Compartment gasket if it is dirty. → Pg.37 If the gasket is damaged and/or deformed, replace it. → Pg.54</p>
It is not clear whether the Vacuum Compartment has been vacuumized.	Was the door of the Vacuum Compartment or the Refrigerator Compartment just opened / closed?	It takes about three to four minutes for the Vacuum Compartment to be vacuumized after the vacuum pump starts to operate. Wait for more than four minutes after opening or closing.
The handle cannot be locked.	Do you hear a sound when opening the Vacuum Compartment?	The Vacuum Compartment has been vacuumized properly if a vacuum releasing sound (rushing air sound) is heard when opening it.
	Is there any food, etc. caught in the inner part of the Vacuum Case or the Vacuum Compartment gasket?	Remove any food if it is caught.
Booming sound and vibration occur around the Vacuum Compartment.	Is the Vacuum Case set in place?	Attach the Vacuum Case as shown in "How to attach". → Pg.40
	Is something caught in the Vacuum Case or is the Vacuum Compartment gasket dirty? Is the handle pushed all the way down and locked?	<p>This sound is caused when the vacuum pump operates. You can stop the vacuum pump operation when you want to stop the sound (e.g. night time). Change the setting of the Vacuum Compartment to "Off" (Non-vacuum). → Pg.25</p> <p>A sound may be heard or vibration may be felt more frequently. Remove any packaging material of foods or other items that are caught. Clean the Vacuum Compartment gasket if it is dirty. → Pg.37 Fully press down on the handle to lock it.</p>
Water drops, frost or ice is formed the inside of the Vacuum Case or around the Vacuum Compartment.	Are you storing food with high water content?	 <p>Moisture from food with high water content may cause condensation and/or frost to adhere inside the Vacuum Compartment because it is sealed. It is recommend to wrap foods with high water content in cellophane wrap. If there are water drops or frost, wipe with a soft cloth moistened with warm water.</p>
Food stored in the Vacuum Compartment freezes.	Isn't the setting of the Vacuum Compartment set to "-1 °C (About -2 °C to 0 °C)" mode / "+1 °C (About 0 °C to 2 °C)" mode or "Off (About -2 °C to 0 °C)" mode?	Set it to "-1 °C (About -2 °C to 0 °C)" mode / "+1 °C (About 0 °C to 2 °C)" mode. → Pg.25



TROUBLESHOOTING (Continued)

Symptoms	Checks	Possible Cause
Concerns on the Vegetable Compartment	Condensation forms inside the Vegetable Compartment.	Are you storing a large amount of vegetables with high water content?
		Since the humidity in the Vegetable Compartment is higher than in other compartments, condensation may form on the case, top, or surfaces of food depending on the amount and type of vegetables. It does not indicate any fault. If you are concerned about condensation, it is recommend to wrap the food in cellophane wrap. Also, if there is a large amount of condensation, water may accumulate in the Vegetable Compartment case. Wipe off any accumulated water with a soft cloth.
	Is the moisture unit blocked by food bags or containers?	Condensation is more likely to occur if the moisture unit is blocked. Move the food bag or container blocking the moisture unit to another location. Wipe off any condensation with a soft cloth.
	The Vegetable Compartment door doesn't close / When the Vegetable Compartment door is opened, the upper case doesn't go back to the locking position.	Is any food, etc. caught between the upper case and the lower case?
		Remove it if any.
	Is a plastic bottle and/or food item in contact with the handle of the upper case?	Store the plastic bottle, food, etc. so that it doesn't come into contact with the handle.
Concerns on uneven height or tilting of the doors	Is any food, etc. caught between the upper case and the moisture cover?	Remove it if any. Also, do not forcibly close the door when food, etc. is in contact with the moisture cover.
	There is a height difference between the left and right doors. The door is tilted.	Is the floor even?
		You can use the refrigerator as it is without any problems in terms of performance, but if you are concerned, make adjustments with the left and right adjustable mounts. → Pg. 8
Strange smell	Is the floor material soft and is the added weight of the stored items causing the legs to sink?	If the refrigerator body is tilting, install it on a sturdy board with a thickness of 1 cm or more.
	There is a smell of plastic.	_____
	The ice smells.	Is the water supply tank or water filter dirty, or is the ice old?
		Wash regularly to prevent sliminess and water stains. → Pg.38, 39
		There may be a strong smell of chlorine because the chlorine in tap water is condensed.
	The inside of the refrigerator smells.	Did you store any foods with strong smells without wrapping them?
		The deodorizing function cannot completely remove all odors. Seal the food, such as wrapping it in cellophane wrap.



Symptoms	Checks	Possible Cause
Refrigerator is too cold	The refrigerator is too cold. Food freezes.	<p>Is the temperature set to "■■■"? Set the temperature setting to "■■". → Pg.22, 29</p> <p>Is the ambient temperature 5 °C or below? When the ambient temperature is low, the inside of the refrigerator may become too cold. Set the temperature setting to "■".</p> <p>Is the food placed in front of the Cold Air Blowout Port? Do not place food in front of the Cold Air Blowout Port. You can prevent food from freezing by using a lid or cellophane wrap.</p>
	The side of the refrigerator and the edge of the door become hot. You feel a warm air current at your feet.	<p>_____</p> <p>The areas around the refrigerator can become hot as the heat generated by the cooling system is dissipated to the outside. Immediately after installation or in summer, the temperature may reach 50 to 60 °C. Although there is no problem in terms of safety or performance, do not touch these areas.</p>
	Abnormal sound from the refrigerator	<p>Is the floor uneven? The refrigerator may vibrate, and it may make the operation sound louder. Install the refrigerator on a sturdy board with a thickness of 1 cm or more. → Pg.8</p> <p>Is the refrigerator against the wall or furniture? Operation sound may resonate and get louder. Install the refrigerator with space clearance around it please.</p> <p>Is the leg cover detached? Operation sound may resonate and get louder. Attach the leg cover securely. → Pg.8</p> <p>Are you in the situation as shown below? <ul style="list-style-type: none"> • The inside of the refrigerator is not cooled when using for the first time, etc. • Frequently opening and closing the refrigerator doors • The ambient temperature around the refrigerator is high. • "Quick" or "Spot Cool" is activated. Operation sound may be loud as the compressor is operating at high-speed to cool the inside of the refrigerator quickly. The sound is reduced after the inside of the refrigerator is cooled enough. </p>
Concerns on noises	The operating noise goes on for a long time.	<p>_____</p> <p>Since the compressor is operated slowly to save energy, the operating noise may go on for a long time.</p>
	Sometimes the noise gets louder.	<p>_____</p> <p>The driving force changes according to temperature changes in the refrigerator. As a result, you may feel that the refrigerator is noisy sometimes.</p>
	Others If you hear a noise like... (Not indicate any fault)	<p>Sounds normally heard (Humming/hooting/squealing/rattling/snarling) Those are the sounds heard when the motor or compressor operates to cool the inside of the refrigerator.</p>
		<p>Collision sound (tapping) Water boiling sound (bubbling/bubbling out) Carbonic acid bursting sound (fizzy/bubbly) This is the sound of the refrigerant flowing to cool the inside of the refrigerator.</p>
		<p>Water flowing sound (trickling) Sound like grilling meat (sizzling) This is the sound of water flowing during defrosting or the sound of evaporation.</p>
		<p>Squeaky sound (squeaking/creaking) This is the squeaking sound caused by parts expanding when the temperature inside the refrigerator changes or the parts squeaking sound when the air pressure in the Vacuum Compartment changes.</p>
		<p>Sound like something is caught (rattling) Roaring sound (honking) This is the sound of the electrical components that control the temperature inside the refrigerator.</p>
		<p>Collision sound (rattling/rumbling) This is the sound when ice leaves the automatic ice maker's ice tray.</p>
		<p>Water flowing sound (zipping/gurgling) This is the sound when water is poured into the ice tray. If you do not want to make ice, touch  and set the mode to "Off".</p>
		<p>Occasional sounds (clicking/snarling/clacking/humming/squealing/clattering/sizzling) This is the operation sound of parts to cool the inside of the refrigerator.</p>

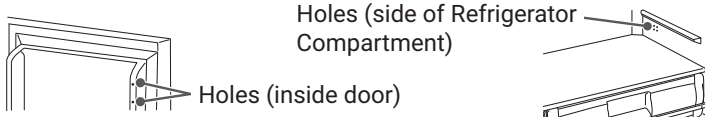
TROUBLESHOOTING (Continued)

Symptoms		Possible Cause
Wireless LAN	Using mobile router	<p>The operation is not guaranteed using mobile router. Some mobile routers may not be available even if those support IEEE802.11b/g/n (2.4 GHz band only).</p>
	Cannot link/pair the refrigerator with the smartphone	<p>Check the requirements to connect the refrigerator with the smartphone are satisfied.</p> <p>→ Pg.13</p>
		<p>Check the Wireless LAN router is powered on. Refer to the instruction manual of the Wireless LAN router and turn the power on.</p>
		<p>Check the SSID and the password (such as "Encryption key" or "Security key") of the Wireless LAN router are set correctly.</p>
		<p>Check the Wireless LAN router is not in the stealth mode (hiding SSID). Deactivate the stealth mode and pair the refrigerator with the smartphone. Refer to the instruction manual of the Wireless LAN router for details on deactivating the stealth mode. Return the setting of the Wireless LAN router to the stealth mode after pairing is completed successfully.</p>
		<p>When MAC address filtering is set on the wireless LAN router, pairing cannot be set. Check the instruction manual for your wireless LAN router and clear the MAC address filtering settings.</p>
		<p>Check if Wireless LAN router encryption type is set to WPA3 or not. Set the Wireless LAN router encryption type to WPA2 or WPA.</p>
		<p>When you use a microwave oven or a device with Bluetooth using the 2.4 GHz band nearby, the communication between the refrigerator and the smartphone may break off or be slow temporarily due to the radio wave interference.</p>
		<p>If the refrigerator and the Wireless LAN router are installed at a distance, there is a possibility that the radio wave is weak. Install the Wireless LAN router closer to the refrigerator or use the Wireless LAN repeater.</p>
		<p>Pairing can only be performed with each of the individual smartphones at a time. Do not pair the refrigerator with multiple smartphones at a time.</p>
Wireless LAN	Cannot link/pair the refrigerator with the smartphone	<p>It is possible to pair the refrigerator with up to five smartphones. Delete the unnecessary registration from Menu button "≡" on the upper left of the App screen → "Connection Setup" → "Name Setup" → "Confirm and Delete Registered Users" on the mobile application using the smartphone paired with the refrigerator.</p>
		<p>When using "Android" smartphone, the message such as a "Wi-Fi not connected to internet" may appear. In this case, pairing may be failed depending to the model that you are using. Pairing may be proceeded by following the procedure below.</p> <ul style="list-style-type: none"> • If the message such as a "Wi-Fi not connected to internet" appears, tap the message, and when the message such as a "This network is not connected to internet. Do you keep connection?" appears, tap "YES". Pairing may be proceeded by following the procedure below.
Wireless LAN	Cannot link/pair the refrigerator with the smartphone	<p>If the above is not applied, power off the smartphone and Wireless LAN router, and turn those on again after waiting for a while.</p>

Symptoms		Possible Cause
Wireless LAN	The unit and the smartphone cannot be paired.	Connect a smartphone to the wireless router which is targeted to be connected to the unit.
		Pairing can be only set one by one. Don't set pairing with multiple smartphones at the same time.
		Make sure that the Wireless LAN router is not stealth mode / ANY key connection prohibited / SSID hidden. Release stealth mode and pair it. Refer to the instruction manual of the Wireless LAN router on how to release the stealth mode.
		While WLAN of the unit is blinking, it is under communication preparing and cannot be connected to the Wireless LAN. Wait until it lights.
		Make sure that the Wireless LAN feature is set as "Yes". If it is set as "No", it cannot be connected to the Wireless LAN. → Pg.15, Article 5
		Make sure that the password is correct. If the password is wrong, it cannot be connected to the Wireless LAN.
		If the unit and the Wireless LAN router are far apart, radio waves may be weak. Move the Wireless LAN router near to the unit, or use a relay device for the Wireless LAN router.
		If a microwave oven that uses the 2.4 GHz band or a device that uses Bluetooth, etc. is used near, the communication may be temporarily interrupted or delayed due to the influence of radio waves.
		The Wireless LAN router, corresponding to both of 2.4 GHz and 5 GHz, shall be connected to the 2.4 GHz SSID. Use the Wireless LAN router corresponding to IEEE802.11b, IEEE802.11g, and IEEE802.11h (2.4 GHz only).
	SSID or Password of the Wireless LAN router unknown	Refer to the instruction manual of the Wireless LAN router. The password may be written as "Encryption key" or "Security key" depending on the manufactures or models of the Wireless LAN routers.
	Changing Wireless LAN router	When changing the Wireless LAN router connected to the refrigerator, tap the menu button "≡" on the upper left of the App screen, and select → "Connection Setup" → "Network Setup" to change the SSID or password of the Wireless LAN router. Operate according to the guidance shown on the display screen.
	Cannot operate the refrigerator via the smartphone The refrigerator cannot respond to the operation via the smartphone	The refrigerator does not respond to the operation via the smartphone immediately after another user operates the refrigerator via the smartphone. Operate again after waiting a little.
		Check if the smartphone is connected to the Wireless LAN or mobile phone line.
		When the refrigerator and the Wireless LAN router are installed at a distance, there is a possibility that the radio wave is weak. Install the Wireless LAN router closer to the refrigerator or use the Wireless LAN repeater.
		It is not possible to connect to the Wireless LAN because the connection to the Wireless LAN is being on standby while WLAN on the control panel of the refrigerator is blinking. Please wait a second until this indicator lamp lights up.
	Push notification not received	When  on the control panel of the refrigerator is Off, it is not possible to connect to the Wireless LAN. Refer to the descriptions in the "  is unlit". → Pg.52
		Push notification is not received because the connection to the Wireless LAN is being on standby while WLAN is blinking. The connection to the Wireless LAN is being on standby immediately after turning the power of the refrigerator on. Therefore, please wait a second.
		Check the push notification is activated in "Settings" on the mobile application of the smartphone.
		Check the push notification is activated in "Notifications" on the mobile application of the smartphone.
	Deactivating the push notification	Deactivate the push notification in "Notifications" on the mobile application of the smartphone.
	The operation status of the refrigerator is different from the message of the push notification.	Depending on the status of the server and the communication status of the refrigerator and the smartphone, the operation status of the refrigerator may be notified with a delay.
	The operation status displayed on the mobile application of the smartphone is different from the operation status of the refrigerator.	Depending on the status of the server and the communication status of the refrigerator and the smartphone, the operation status displayed on the mobile application of the smartphone may be different from the operation status of the refrigerator.
	WLAN is blinking	WLAN blinks because the connection to the Wireless LAN is being on standby immediately after turning the power of the refrigerator on. Please wait a second until WLAN is lit.


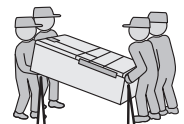

TROUBLESHOOTING (Continued)

Symptoms		Possible Cause
Wireless LAN	 is unlit.	 does not light if pairing setup is not completed. Perform the pairing setup. → Pg.14, 15
		Check if the power of the Wireless LAN router is ON. Refer to the instruction manual of the Wireless LAN router and turn the power of the Wireless LAN router on.
		Check if the Wireless LAN function is set as “Activated” . If the Wireless LAN function is set as “Deactivated” , the refrigerator cannot connect to the Wireless LAN. → Pg.15, Article 5
	The operation status of the refrigerator and that displayed on the mobile application of the smartphone are different from the descriptions in the instruction manual of the refrigerator.	The actual operation status may be different from the descriptions in the instruction manual of the refrigerator due to the update of the software on the refrigerator and the mobile application of the smartphone, etc.

Symptoms		Possible Cause	
Others	Electric shock when you touch the body of the refrigerator	The refrigerator may be charged with static electricity. This is safe.	
	Static interference on radio and television	This is due to the very slight electromagnetic waves generated by this refrigerator. Install the refrigerator away from TVs, radios, entry phones, etc. Keep the power supply line away from any antenna wires.	
	There are thin hair lines on the plastic parts.	These lines are caused by liquid resin flowing when the plastic is molded. Especially visible on transparent parts. There is no issue with the quality and will not crack.	
	The door surfaces/the sides or top surface of the refrigerator are wavy or distorted.	Slight waving and/or distortions are generated in the manufacturing process of the refrigerator. They may be conspicuous depending on the position and brightness of the light source, but they are not a fault. Also, they do not affect the performance of the refrigerator.	
	There are small holes inside the door and on the side of the Refrigerator Compartment.	<p>These holes are used to release the internal air when filling the doors and compartment with insulating material in the refrigerator manufacturing process. They do not indicate any fault.</p>  <p>* Depending on the product, stickers may be affixed. Do not remove these stickers.</p>	
	There was a power outage.	<p>Reduce the frequency of opening and closing the doors and avoid storing additional food until the power supply is restored.</p> <p>After the power is restored, check the settings on the Control Panel. Each settings such as the temperature settings and the ice making modes may change after the power fail recovery. Therefore, reset those as necessary.</p>	
	If you are not using the refrigerator for a long time.	<p>Remove all the items in the refrigerator.</p> <p>Remove the power plug and clean the inside of the refrigerator and automatic ice maker. → Pg.36-39</p> <p>Leave all the doors open for 2 or 3 days to dry the refrigerator.</p>	
	Removing frost.	This refrigerator automatically defrosts, so no action is required. The thawed water collects in the evaporation tray and automatically evaporates.	
	Moving/transporting the refrigerator	See "Preparation for moving/transporting (moving house)". → Pg.54	
	Broken glass (door glass/glass shelf)	Do not touch the broken glass, and immediately contact your dealer for repair.	
	When I close one door, another door opens.	<p>Did you close the door with too much force?</p> <p>Since each compartment is connected by a cold air passage, other doors may open momentarily due to the change in air pressure when the door is closed.</p>	
	It is hard to open the door immediately after closing it.	<p>Did you leave the door open for a long time?</p> <p>This is because the air that has entered the refrigerator is suddenly cooled and the pressure temporarily drops. Rather than leaving the door open for a long time, open and close it each time you need to take something out or put something in.</p>	
	If you are concerned about vibration noise or the back wall becoming discolored or dirty due to moisture	<p>Install the refrigerator 2 cm or more away from the back wall. → Pg.8</p>	
	A fly or other insect enters the refrigerator.	Are there flies near the refrigerator?	Keep the environment clean. Use an insect trapper.
		Does the refrigerator contain food with strong odors?	Cover or wrap the food.
		Has the door been left opened for a long time?	Close the refrigerator doors as quickly as possible after taking the food from the refrigerator.

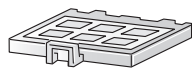

TROUBLESHOOTING (Continued)

Preparation for moving/transporting (moving house)

1	Remove all the food and ice.	7	Place a cloth under the refrigerator, tilt the refrigerator backwards, and drain water from the bottom at the back.	
2	Pour away the water in the water supply tank and ice tray.			Cloth, etc.
3	Unplug the power plug. This can be done just before moving the refrigerator.	8	Hold the carrying handle and carry the refrigerator with two or more people.	
4	Remove the leg cover and raise the adjustable mounts. → Pg.8		Do not stack the refrigerator horizontally when shipping it. (It may cause the refrigerator to malfunction)	
5	Secure the door and power cord with tape.			
6	Lay protective sheets or fabric when moving or transporting the refrigerator. This is to prevent damage to the flooring and spillage of water.	9	Install according to "Before use". → Pg.8, 9	

AVAILABLE PARTS

■ During the purchase of the following parts, please specify your refrigerator model. Only purchase parts from authorised dealers.

When this happens	Product name	Model	Product model	
The ice smells. The water filter may be old and dirty. (The usage period is approximately 3 to 4 years)	Water filter for the automatic ice maker	Common to all models	RJK-30	
When a vacuum state cannot be maintained. Vacuum Compartment gasket may be damaged, deformed, or discolored.	Vacuum Compartment gasket	R-ZXC740W type R-WXC740W type	R-WX74J 321	

NOTES ON NON-CFC REFRIGERATORS/GUIDE ON TOTAL STORABLE WEIGHT

Notes on non-CFC refrigerators

- This refrigerator uses hydrocarbons, instead of chlorofluorocarbons (CFCs), in its refrigerant and insulation materials. Hydrocarbons do not damage the ozone layer, have minimal impact on global warming, and are thus considered comparatively environment-friendly.
- Note that hydrocarbons are flammable. The refrigerant is sealed in the cooling circuit and should not leak under normal operation. If the cooling circuit is damaged, open a window to ventilate the room, and avoid using fire and electrical appliances. Keep your distance from the refrigerator, and contact a customer service center to request repair.

Guide on total storable weight

Refer to the following table as a guide on the total weight of food that can be stored on each shelf or in each container.

	Name of parts	R-ZXC740W type R-WXC740W type
Refrigerator Compartment	Height adjustable upper shelf	23.0 kg
	Height adjustable middle shelf	23.0 kg
	Height adjustable lower shelf, Fixed shelf	23.0 kg
	Shelf above the vacuum compartment	12.0 kg
	Vacuum Case	5.5 kg
	Total for the right door pockets	26.0 kg
	Total for the left door pockets	14.5 kg
Ice Compartment	Ice Case → Pg.27	
	Small Items storage space	1.0 kg
Upper Freezer Compartment	Upper Freezer case	9.0 kg
Lower Freezer Compartment	Slimline slide case	6.0 kg
	Slide case	8.0 kg
	Lower Freezer case	19.0 kg
Vegetable Compartment	Upper Case	8.5 kg
	Lower Case	24.0 kg

Important notes on disposal

The insulation material of this refrigerator uses cyclopentane and other gases that require special procedures for safe disposal. To dispose of this refrigerator, please contact your local environmental protection agency (or some other relevant agency), and inquire about safe disposal procedures.

Power input of ambient controlled anti-condensation heaters

R-ZXC740WS, R-WXC740WS

Relative humidity	RH band mid-point	Heater W at 16 °C	Heater W at 22 °C	Heater W at 32 °C
0 to 10 %	5 %	0.0	0.0	1.1
10 to 20 %	15 %	0.0	0.0	1.1
20 to 30 %	25 %	0.0	0.0	1.1
30 to 40 %	35 %	0.0	0.0	1.1
40 to 50 %	45 %	0.0	0.2	1.8
50 to 60 %	55 %	0.5	1.3	3.0
60 to 70 %	65 %	1.0	1.8	3.5
70 to 80 %	75 %	1.7	2.5	4.2
80 to 90 %	85 %	2.4	3.3	5.0
90 to 100 %	95 %	3.0	3.8	5.5

Type of defrost controllers	Variable
Maximum possible defrost interval [h]	48
Minimum possible defrost interval [h]	12

AFTER-SALES SERVICE

Please contact one of the following Hitachi customer service centers if the power cord is damaged or maintenance is required.

If the refrigerator malfunctions, immediately unplug the power cord, and contact a customer service center to request repair.

- Hong Kong
Arcelik Hitachi Home Appliances Sales Hong Kong Limited
18/F., Ever Gain Centre, 28 On Muk Street, Shatin,
N.T., Hong Kong, China
Tel: +852-2753-5386
Fax: +852-2753-0993
- Singapore
Arcelik Hitachi Home Appliances Sales (Singapore) Pte. Ltd.
438A Alexandra Road, #01-01/02/03, Alexandra
Technopark, Singapore 119967
Tel: +65-6536-2520
Fax: +65-6536-2521

Manufacturer

 **Hitachi Global Life Solutions, Inc.**



R-ZXC740W type
R-WXC740W type [Ⓐ]