Instruction Manual

Refrigerator

No frost

Model

R-WB640VFX

Thank you very much for purchasing the Hitachi refrigerator.
Before installation and usage, please read the user's guide carefully
for the correct usage.

Maintenance work must only be carried out at workshop
by well-trained maintenance work.

HITACHI
Inspire the Next

Content

For household use only

R600a
Refrigerant

Warning and Caution for Safety

To avoid harm to the user, other persons or damage to property, please read and follow the warnings and cautions below and those given throughout this manual.

The following warnings and cautions are categorized by the level of possible harm or damage that may occur from ignoring directions.

This symbols are shown as below clearly showing the significance of directions.

⚠ **WARNING**	This pictograph indicates "There is a high possibillity of serious injury or death, if ignored".
⚠ **CAUTION**	This pictograph indicates "There is a high possibillity of sinjury or damage to property, if ignored"

The symbols below are examples.	
⚠	This symbols is an alert mark.
🚫	This symbols indicates "prohibited".
❗	This symbols indicates "necessary".

■ This refrigerator use flammable refrigerants. The symbol column below states the precautions on flammable refrigerants.
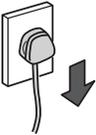
🔥 **R600a**	**This symbol denotes the precautions on flammable refrigerators.**

⚠ WARNING

When you install ... To avoid fire, electric shock, and injury.

■ Do not install the refrigerator in a place where it may come in contact with water.
■ Do not install the refrigerator in a place exposed to rain.
  ● This may impair electricity insulation and cause electric shock or fire.

■ Ground this refrigerator to prevent electric shock and noise interference. Always ground this refrigerator and install earth leakage circuit breaker when using it in please with high himidity or moisture. (Please consult with a retailer or Hitachi Service Center.)

Power Cord and Power Plug ... To avoid fire, electric shock.

■ Do not connect the wall outlet whose power capacity is less than the refrigerator's. Also, do not use power sources that are not a rated voltage.
  ● If a power source is shared with other appliances using double or multipoint adapters, the adapter
  ● Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

Rated Voltage

■ Do not use a damaged or loose power plug or power outlet. This may cause fire or electric shock.

■ Do not cut, bend, fold the power cord to avoid fire and electric shock.
  ● When positioning the appliance, ensure the supply cord is not trapped or damaged.

■ Be sure to unplug the power plug before maintaining the refrigerator.
  ● Be sure to hold the power plug to unplug.

■ Connect the power plug firmly to a power outlet with the cord running down.
  ● Connection of the power plug with the cord running up could apply stress on the cord and cause electrical short or overheat, which could result in electrical shock or fire.
  ● Incomplete connection of the power plug could result in electrical shock or fire due to heat.

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

■ Clean the dust on the power plug frequently with dry cloth.
  ● Unplug the power plug and wipe it with dry cloth.
  ● An insulation failure due to moisture or when dust collects on the power plug may cause fire.

■ Do not insert or remove the power plug with wet hands.

During daily use ... To avoid fire, electric shock.

■ Do not splash water on or inside the refrigerator.
  ● This may impair electricity insulation causing electric shock or fire.
  ● This may also cause gas leakage because of pipe rust.

■ 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.

■ Do not hang on the doors or step up on the various compartments.
  ● Injury may be caused by the refrigerator tipping over or hands getting caught in door.
■ Do not enter in the refrigerator.

■ Do not disassem ble, repair, or modify the refrigerator by yourselves.
  ● Please consult with a retailer or Hitachi Service Center if any repair is required.

■ Ether, liquid propane gas, solvent, aerosol cans, etc. which is volatile cannot be stored in this refrigerator.
  ● Do not store anything that are generate heat or fire spark inside the refrigerator.

■ Do not put water containers or foreign articles on the top of the refrigerator.
  ● Opening and closing doors etc. may cause the articles on the top of the refrigerator to fall down, resulting in injury.

⚠ WARNING

- Do not damage the refrigerant circuit.
  - If there the damage of refrigerant pipe happened, stay away from the refrigerator and avoid using fire and electrical appliances.
  - And, open windows to ventilate and contact retailers or Hitachi Service Center.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- In an event of a flammable gas leak, do not touch the refrigerator and open windows for ventilation.
  - Sparks from points of electrical contacts such as door switches may ignite explosions causing fire or a burn.
- Do not use the refrigerator in the atmosphere of flammable gas.
- Do not make an impact on the glass-made doors or shelves.
  - They are made of tempered glass, however, an excess impact may be result in breakage and is dangerous.
- When an infant child may use the Auto Door to make mischief, Please stop the Auto Door function.
- This appliance is intended to be used in household and similar applications such as
  - Staff kitchen areas in shop, offices and other working environments.
  - Farmhouses accommodation of hotel, resort, hostel and other residential type environments.
  - Bed and dining room type environments.
  - Catering and similar place environments.

- Medicines, 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 use mechanical devices or other means to accelelate the defrosting process, other than those recommended by the manufacturer.
- Children should be supervised to ensure that they do not play with the appliance.
  - Children getting inside may not be able to get out.
- Cleaning and user maintenance shall not be made by children without supervisor.
- This appliance can be used by children aged from 8 year sand above and persons with reduced physical,sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Children aged from 3 to 8 years are allowed to load and unload refrigerating appliance.
- Keep ventilation openings in the appliance enclosure or in the built-in structure clear of obstruction.
- If you find something wrong with the refrigerator, immediately unplug and consult with the retailers or Hitachi Service Center.

When discarding the refrigerator.

- When discarding the refrigerator, remove the door gaskets.
  - To avoid a risk of an infant or child to be entrapped inside.
- Follow the instructions of your region when discarding.
  - This refrigerator uses R-600a for the refrigerant and cyclopentane for the blowing agent of the urethane heat insulation.

Wireless LAN Feature (Remote control by wireless LAN function)

- Do not use this near automatic control devices such as automatic door.
  - Radio waves from the wireless LAN may affect automatic control devices. It may cause a malfunction.
- Do not use this in rooms with medical electrical equipment.
  - Radio waves from the wireless LAN may affect the medical device. It may cause a malfunction.
- Keep this device away from your cardiac pacemaker.
  - Radio waves from the wireless LAN may affect the operation of your cardiac pacemaker.
  - If you are using a cardiac pacemaker, please consult the medical specialist on using this machine.

⚠ CAUTION

During daily use ...To avoid illness and injury.

- Do not put bottles, etc. forcibly in the door pockets.
  - This may cause bottles to drop down or door pockets to come off.
- Do not store food which smells or food whose color is changed abnormal.
  - Such an action may cause diseases.
- Food and containers inside the freezer compartment should not be touched with wet hands.
  - This may cause frost injury. (Especially in case of metal items.)
- Do not hold the top, bottom and side of the doors when closing them.
  - This may result in your fingers being caught by the door edge.
- If someone else is using the refrigerator,do not open the door.
  - Fingers may get caught in the spaces between the doors and may cause injury.
- Be careful not to operate the Auto Door when another person is in front of the refrigerator, which may lead to personal injury unexpectedly caused by the opening door.

- Do not have food items protruding over the front edge of each shelf.
  - Doors may not be closed properly or the door pockets may drop down. Injury may be caused from items like bottles getting knocked over your feet.
- Do not store glass bottles in the freezer compartment.
  - Bottles may break by the contents freezing and cause injury.
- Do not put your hands into the base surface of the refrigerator cabinet.
  - When cleaning, putting your hands near the base surface of the frigerator may result in injury by thin metal sheets.
- Be sure to hold the handle firmly to open or close the door.
- Do not have your feet too close when opening the door of the refrigerator.
  - When opening the door, your feet may be hit, resulting in injury.

⚠ CAUTION

When moving or carrying ... To avoid damaging, wetting, soiling the floor, or to avoid injury.

■ Use the carrying handle when carrying the refrigerator.
  ● Hold the carrying handles only. If hold door handles, hands may slip and may cause injury.
  ● Carry the refrigerator by at least 4 persons for safety reasons.
  ● Carry it with the doors facing upward.
■ Before carrying the refrigerator:
  1. Take out all food items and ice cubes.
  2. Lay a protective sheet or cloth to protect the floor from damage and catch remaining water spilled from the refrigerator.
  3. With a large piece of old cloth underneath, tilt the refrigerator backward to drain water.
  4. Finally carry the refrigerator with the doors facing upward.
    ● Secure the doors well with adhesive tapes so they do not open.
    ● If transporting in a vehicle, do not load the refrigerator on its side. This could damage the compressor.

■ Do not use door handles and ECO monitoring sensor when carrying the refrigerator.
■ Never use the carrying handles to hang up with a chain hoist or similar machines.
■ On a floor that is easily scratched, do not move the refrigerator with the wheels of refrigerator.
  ● The wheels may scratch the floor.
  ● For a floor that may be easily scratched, lay a protective mat, etc..

Be careful!!

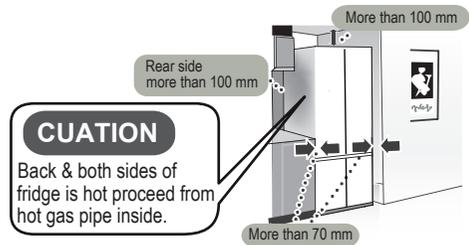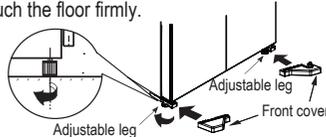Such as old cloth

When replacing lamps (LED) is required.

■ When lamps (LED) need to be replaced, please contact Hitachi Service Center.

Preparations before Use

1 Installation

1) Install on a rigid and level floor.
2) Please use this refrigerator between the room temperature of 10°C to 43°C Sufficient performance may not be obtained, if room temperature is too low or too high.
3) Do not install where the refrigerator is exposed to direct sunlight or other heat source.
4) Install in an atmosphere which is dry or has air ventilation.
5) The refrigerator requires enough air ventilation space around the cabinet to have efficient cooling performance.Space of at least 100 mm over the top, 100 mm at rear and 70 mm at both sides for proper air circulation is needed.
6) Ground the refrigerator to prevent electric shock and noise interference. Alway ground this refrigerator when using it in place with high humidity or moisture. (Please consult with retailers or Hitachi Service Center.)
7) Adjusting the adjustable legs to keep the left/right refrigerator door level,
   ■ Without adjusting the legs, door heigh may not be level, or there may be abnormal vibration or noises depending on floor conditions.Follow the instructions below.
   ■ Turn the adjustable legs untill they touch the floor firmly.

Adjustable leg
Front cover
Adjustable leg

More than 100 mm
Rear side more than 100 mm

CUATION
Back & both sides of fridge is hot proceed from hot gas pipe inside.

More than 70 mm

Parallel adjustment of the door.

| Left door has fallen	Right door has fallen
Adjustable left leg.	Adjustable right leg.
Please turn the left leg in the direction of the arrow.	Please turn the right leg in the direction of the arrow.

● 1 rotation of adjustable leg is about 1mm in difference.
● 1-5 days might take for the main body of the refrigerator becomes familiar with the floor, and until the door is reconciled in parallel.

2 Beginning

1) After transporting : If Refrigerator has been kept horizontal position for more than 10 minutes for transportation or any other reasons,it should stand upright for more than 1 hour before plugging it in.
2) Cleaning inside the refrigerator. Wipe the surface gently with soft cloth.
3) Connect the refrigerator to an exclusive wall power outlet.The refrigerator can be connected to an outlet soon after it is installed. Surely use with the rated voltage and exclusive power outlet.
4) The compressor will start running in approximately 30 seconds, if inside is not cold.
5) Allow enough duration for sufficient cooling before storing food. It may take about 4 hours to fully cool down and could even take about 24 hours when the ambient temperature is high.
6) Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.

4 hrs.

⚠ **CAUTION**
When installing, do not press the power plug with the refrigerator back.
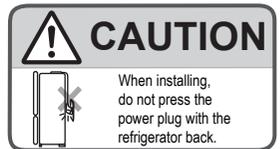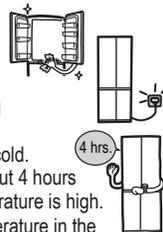
3 Food storage

1) Keep enough space between food. Several food placed too close together may obstruct the flow of cold air.
2) Make food cool enough before putting it in the refrigerator.Putting warm food in the refrigerator raises the inside temperature and wastes electricity.
3) Do not block the cold air vent. This will adversely affect the cold air flow and may not keep the temperature inside even. Moreover, it could result in food near the vent freezing.
4) Using plastic wrap or sealed containers prevent the food from drying or transition of smells.
5) Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.

Cool air flow
Air vent
Food
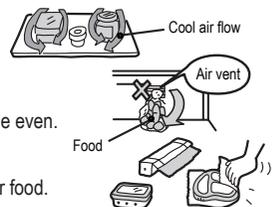
Caution on use of the Wireless LAN

■ **Radio wave**

This product has a built-in radio equipment that has received construction design certification as a radio station for low-power data communication systems based on the Radio Law, and there is no need to apply for a radio station license.

● **Following acts may be punishable by law.**

1. Disassemble / remodel this product
2. Erase the conforming indication of the rating nameplate and built-in radio equipment

● **If this product is used in the following places, communication may become unstable.**

1. A place where magnetic fields, static electricity, or radio waves are generated (around equipment such as microwave ovens)
2. Around devices that use the same frequency (2.4 GHz) as this product (other wireless LAN, PC peripheral devices, etc.)
3. A place covered with a metal product that is easy to reflect radio waves
4. A place apart from the wireless LAN router or where there is an obstacle between them

● **Frequency band for use**

The built-in radio equipment of this product uses the frequency of 2.4 GHz band.
In order to use all the functions of this product, it is necessary to connect the smartphone to the 2.4 GHz band wireless LAN.
Please be aware of the following items to prevent the radio-waves interference with other wireless devices.

> In the use frequency band of this product, in addition to industrial, scientific and medical devices such as microwave ovens, premises radio stations (radio stations which require a license) and specified small power for mobile identification used in factory production lines etc. Radio stations (radio stations which do not required a license) and amateur radio stations (radio stations which require a license) are operated.
>
> 1. Before using this unit, make sure that the premises identification station for mobile identification and specified low power radio stations and amateur radio stations are not being operated nearby.
> 2. If a harmful radio interference case occurs from this product against the premises identification station for mobile identification, immediately change the use frequency or stop the emission of radio waves and then consult with the smartphone consultation desk regarding connection and network connection for taking measures to avoid interference (such as the installation of partitions, etc.) (>>P.27)
> 3. In addition, if any problems including harmful radio interference from this product against a specified low-power radio station or an amateur radio station for mobile identification occurs, contact to the consultation desk regarding the connection to a smartphone and network connection.

■ **At connection**

Please note that Hitachi shall not assume any liability if a problem occurs without taking measures against the following matters.
1. Wireless LAN may be intercepted because it uses radio waves to transmit and receive data.
2. If security measures are not taken, there is a possibility of hacking.
3. Use a wireless LAN router that can set WPA2 or WPA (both of them are TKIP or AES) as the encryption method.
4. Do not connect to devices and networks for which security measures have not been taken at setting wireless connection.
5. If an unexpected problem occurs, data stored inside the smartphone connected to this product or other external devices may be damaged or lost.
   Backup, in advance, measures are needed for the occurrence of such problem.
6. At connecting to this product, Hitachi shall not assume any liability, in any case, for damage or loss of data stored in the smartphones and other external devices and breakdown of the connected devices.
7. If communication is temporarily disconnected, the setting contents may not be sent or the usage status may not be updated.
   Especially during driving, use while checking the communication status.
8. Communication sensitivity, communication distance, and communication time vary depending on the type of smartphone and wireless LAN router.
   Use this while checking the communication status.
9. Hitachi shall not assume any liability for damage caused by communication by wireless LAN feature except for the damage caused by defects of the product.

■ **Export control**

When exporting this product, please check the foreign exchange related laws and regulations such as foreign exchange and foreign trade laws and regulations, and US export control regulations and follow the necessary procedures.

■ **Trademark**

1. "iPhone" is a trademark of Apple Inc. registered in the US and other countries. The trademark "iPhone" is used under license from Apple Inc., Ltd. "App Store" is a service mark of Apple Inc.
2. "Google Play" , "Google Play logo" and "Android" are trademarks or registered trademarks of Google Inc.
3. Wi-Fi $^{®}$ is a registered trademark of Wi-Fi Alliance$^{®}$.
4. Wi-Fi Protected Setup^{TM} , WPA^{TM} , WPA2^{TM} are trademarks of Wi-Fi Alliance$^{®}$.
5. Bluetooth $^{®}$ is a registered trademark of Bluetooth SIG, Inc.
6. In addition, various names, company names, product names, etc., described in this manual are trademarks or registered trademarks of respective companies.
   And " ^{TM}" and "$^{®}$" marks are not described in some parts of the text.

What can be done with the smartphone

You can use the dedicated application from your smartphone to check the operation and status of the unit.

1. "Control panel" function to check the operating status of the refrigerator and can change its settings (>>P. 11)
   - The operation status and New Messages of the refrigerator can be confirmed.
   - Displays the times of door opening and closing of the refrigerator for the last 10 days.
   - The temperature control of the refrigerator and freezer compartment and the setting of the automatic ice maker can be changed.
2. "My lists" function that can manage ingredients (>>P. 12)
   By taking photos with the smartphone's camera, it can be confirmed how many days have passed since the ingredients was put in the refrigerator.
3. "Support" function (>>P. 12)
   The instruction manual can be browsed from the smartphone if the operation is unknown or is in trouble.
4. "Notification" function to receive notifications both at home or while out of home (>>P. 13)
   It notifies the smartphone if the door is left open, ice maker cleaning is completed and etc.
5. Updating the software of the unit (>>P. 13)
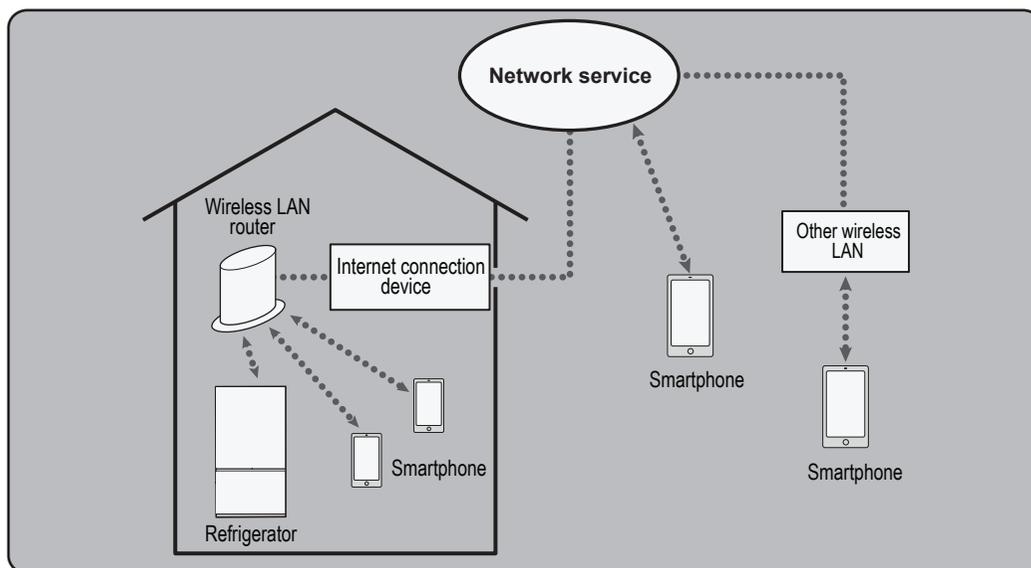
CAUTION	● In order to operate the unit and check the status by the smartphone, it is necessary to set the pairing setup the wireless LAN router. (>>P. 7)

- In order to operate the unit and check the status by the smartphone, it is necessary to set the pairing setup the wireless LAN router. (>>P. 7)
- If the unit and the wireless LAN router cannot communicate, it will be in the "Not connected" state and cannot be operated from your smartphone.
   1. Be careful when moving the unit or wireless LAN router. Communication may not be possible.
   2. If you simultaneously use a device such as a microwave oven with 2.4 GHz band, communication may be interrupted.
- One single unit can be operated by up to five smartphones. It is not possible to operate immediately after another person operates.

This product collects the operation and failure histories for the following purposes. It is not used for other purposes.
1. It is used to improve services and to develop and upgrade new services.
2. It is used for the correspondence improvement at the time of repair service or to contact a consultation desk.
3. It is used for quality improvement.
4. For details such as the handling of personal information, please refer to the terms of use of the dedicated application.
   The terms of use can be confirmed when launching the dedicated application for the first time, or by the "Menu" button.
   - The dedicated application is "Hitachi Fridge"

Connect to the smartphone

■ Procedures before use

With pairing, the connection setting of the unit and smartphone is made, and they are mutually recognized to enable operation and status confirmation of the unit by smartphone through the wireless LAN network.
Once the pairing is set up, you do not have to set each time you use it. Make sure that the following environment is in place.

● Necessary environment

1. There is an Internet connection environment
   - Internet connection requires a contract with an internet provider, and an internet connection.
2. A wireless LAN router is installed
   - Use a wireless LAN router that can set WPA2 or WPA (both of them are TKIP or AES) as the encryption method.
   - The communication standards need to correspond to any of IEEE 802.11b / g / n (2.4 GHz only).
     However, it does not guarantee the operation of all wireless LAN routers.
     It cannot connect to the 5 GHz wireless LAN routers such as 5 GHz of IEEE 802.11.n or IEEE 802.11.ac.
   - If it is impossible to connect the unit and smartphone to the wireless LAN router, refer to "Troubleshooting?" (>>P. 27)

Connect to the smartphone

3. There is a compatible model of smartphone
   - Use Android or iOS (iPhone) smartphone.
     Please refer to the following site or the code on the right for compatible OS (Operation System) versions.
   - When using this service, communication costs will be incurred.
   - In order to use all of the functions of this product, it is necessary to connect the smartphone to a 2.4 GHz band wireless LAN router.
   - Tablet terminal is out of the operation guarantee.

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

- **Install dedicated application**

  Install "Hitachi Fridge" (hereinafter Dedicated the "Application")
  1. For iPhone Open the "App Store"
  2. For Android Open the "Play Store"

  - 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**

  1. The screen and operation of the smartphone differ depending on the model and OS.
  2. If the Wi-Fi settings on the smartphone has already been made, you may proceed to the next step without performing any operations.
  3. Set the wireless LAN function of the unit as "Yes" . ("No" is set at the time of factory shipment) (>>P. 8)
  4. If the pairing setting has failed, refer to "Troubleshooting" and start over from the beginning. (>>P. 27)

- **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 he 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.

Terms of Use

Article 1 Terms of Use
1. The Terms of Use applies to those who use (collectively "Users") the "Hitachi Refrigerator Application" (Hereinafter referred to as "Application") provided by Hitachi Global Life Solutions, Inc. (Hereinafter referred to as "Hitachi")

2. In the Terms of Use, the term "Product" refers to such refrigerator-freezer as may be specified in the Hitachi Website.

Article 2 Rules and Regulations
1. The rules and regulations regarding the Application when separately stipulated including, but not limited to, the additional terms of use, and directions and instructions for use shall make an integral part of the Terms of Use. In the case of difference between any provision of the Terms of Use and the corresponding provisions of the Rules and Regulations, the latter shall govern.

☐ I agree.

Next

Tap ☐ to put a check

Terms of Use

Article 1 Terms of Use
1. The Terms of Use applies to those who use (collectively "Users") the "Hitachi Refrigerator Application" (Hereinafter referred to as "Application") provided by Hitachi Global Life Solutions, Inc. (Hereinafter referred to as "Hitachi")

2. In the Terms of Use, the term "Product" refers to such refrigerator-freezer as may be specified in the Hitachi Website.

Article 2 Rules and Regulations
1. The rules and regulations regarding the Application when separately stipulated including, but not limited to, the additional terms of use, and directions and instructions for use shall make an integral part of the Terms of Use. In the case of difference between any provision of the Terms of Use and the corresponding provisions of the Rules and Regulations, the latter shall govern.

✅ I agree.

Next

Tap "Next" to go to the next screen

Connect to the smartphone

2　Login

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

● If your member registration is incomplete.

Tap "Create your account" and register by following the guide displayed on-screen.

To use application, please register with Hitachi Customer Support.

Create your account

● Login is required to use the applications.

If you are already registered with Hitachi Customer Support

Login ID (Email Address)

Password

☐ Show password

Log In

Input the login ID

Input the password

Tap "Login" to proceed the next screen

3　Select the wireless router to be connected to the unit.

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.

< Wi-Fi　　Wi-Fi Direct　⋮

Off

To see available networks, turn on Wi-Fi.

< Wi-Fi　　Wi-Fi Direct　⋮

On

Current network

****
Connected

Available networks

****

****

****
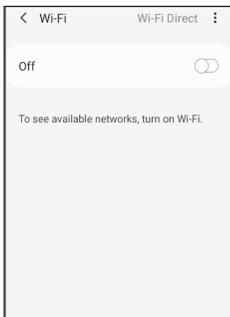
If "Wi-Fi setting" is OFF, switch to "ON" and select.

Select the wireless LAN router to be connected to the unit.

SSID of the wireless LAN router

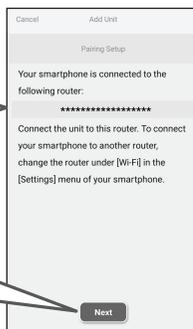## 4　Enter the wireless LAN router password in the application.

Move back to the application, and with following the instructions on the screen, confirm that the wireless LAN router selected in 2 is displayed and enter the password for the wireless LAN router.

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

Confirm the wireless LAN router

Cancel　　Add Unit

Pairing Setup

Your smartphone is connected to the following router:

****

Connect the unit to this router. To connect your smartphone to another router, change the router under [Wi-Fi] in the [Settings] menu of your smartphone.

Next

Tap "Next" and proceed the next screen

Cancel　　Add Unit

< Back　　Pairing Setup

Enter the router password.

****

****

Leave blank if you do not wish to change password

*Depending on the router, password may be "Encryption Key" or "Security Key"

Next

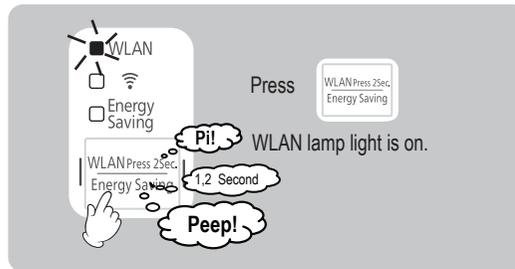Enter the wireless LAN router password

Tap "Next" and proceed the next screen

Connect to the smartphone
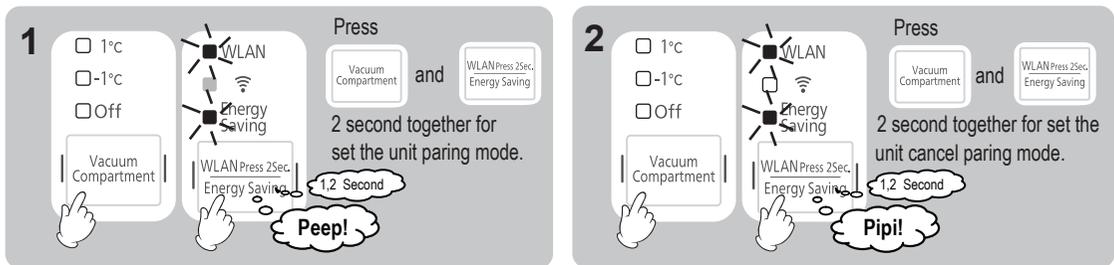
5 Set the wireless LAN function as " Yes "

Touch and hold " Energy Saving " for at least 2 seconds until the setting sound (Peep) sounds to light " WLAN ".

Press

WLAN lamp light is on.

Pi!

1,2 Second

Peep!

---

6 Set the unit pairing mode

Press and hold [Vacuum Compartment] and [WLAN Press 2Sec, Energy Saving] for at least 2 seconds until the "Peep!" sounds to blink 📶 .

1

☐ 1℃
☐ -1℃
☐ Off

Vacuum Compartment

WLAN / Energy Saving

Press

[Vacuum Compartment] and [WLAN Press 2Sec. Energy Saving]

2 second together for set the unit paring mode.

1,2 Second

Peep!

2

☐ 1℃
☐ -1℃
☐ Off

Vacuum Compartment

WLAN / Energy Saving

Press

[Vacuum Compartment] and [WLAN Press 2Sec. Energy Saving]

2 second together for set the unit cancel paring mode.

1,2 Second

Pipi!

---

7 Select "R-WB_∗∗∗∗∗∗(∗ is alphabet or number) in the Wi-Fi setting.

When the screen on the right is displayed on the application, move to the Wi-Fi setting screen of the smartphone and select " R-WB_ ∗∗∗∗∗∗".

- The message "Network not connected" may be displayed, but proceed as it is.
- It may take a while for "R-WB_∗∗∗∗∗∗" to be displayed. 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.
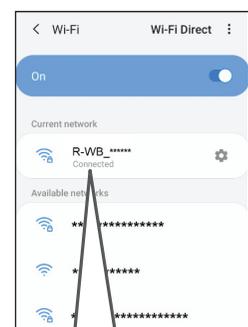
Model	Network
R-WB640VFX	R-WB_ ∗∗∗∗∗∗
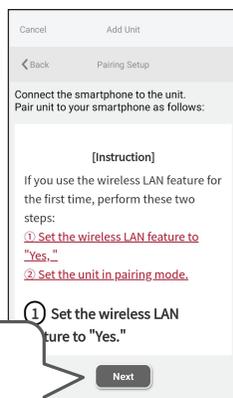
Tap "Next" and proceed the next screen
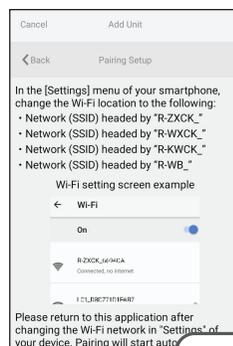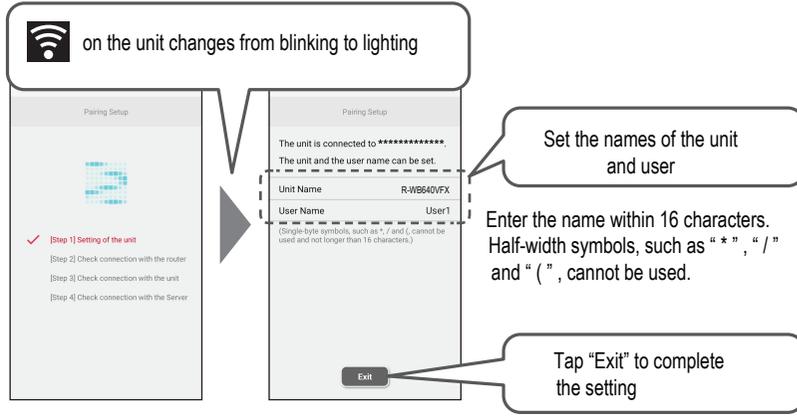
Select " R-WB_ ∗∗∗∗∗∗".

Connect to the smartphone

8 **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.
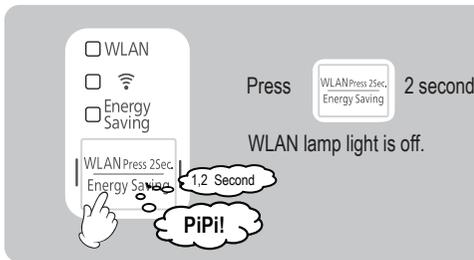
on the unit changes from blinking to lighting

Pairing Setup

[Step 1] Setting of the unit
[Step 2] Check connection with the router
[Step 3] Check connection with the unit
[Step 4] Check connection with the Server

Pairing Setup

The unit is connected to ★★★★★★★★★★★★.
The unit and the user name can be set.

| Unit Name | R-WB640VFX |
| User Name | User1 |

(Single-byte symbols, such as *, / and (, cannot be used and not longer than 16 characters.)

Set the names of the unit and user

Enter the name within 16 characters.
Half-width symbols, such as " * " , " / " and " (" , cannot be used.

Tap "Exit" to complete the setting

Exit

● **If the pairing setup fails**

1. Make sure that the wireless LAN password, which was entered in 4 , is correct
2. Make sure that the smartphone and its OS is targeted model
3. Make sure that the wireless LAN router's communication standard corresponds to IEEE.802.11b/g/n (2.4 GHz only). It does not correspond 5 GHz.
4. 4 Check whether the smartphone is connected to the 5 GHz SSID or wireless LAN router.
5. Set the unit, smartphone and wireless LAN router close to each other.
6. Only one pairing can be set at one time. Set them one by one.
7. One unit can be connect to only 5 smart phone devices.
8. The following devices may be affected by radio waves, and this product may not be able to communicate with the smartphone temporarily.
   - Microwave oven during heating
   - Other wireless LAN devices
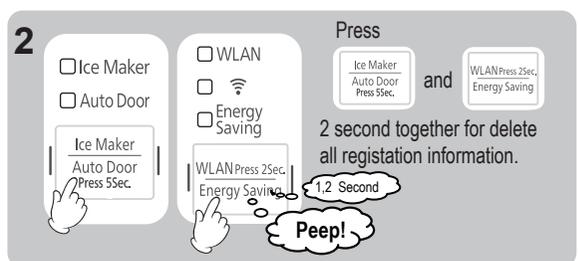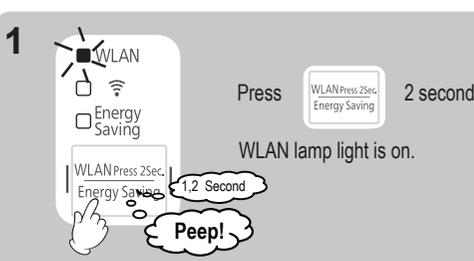   - Bluetooth device etc.

How to other Wireless LAN feature

● **Set wireless LAN feature to "None"**

☐ WLAN
☐ 🛜
☐ Energy Saving

WLAN Press 2Sec. Energy Saving

Press

WLAN Press 2Sec. Energy Saving

2 second

WLAN lamp light is off.

1,2 Second

PiPi!

- If the wireless LAN feature is set at "No" , functions that can be operated with a smartphone cannot be used.(>>P.11)
- The registered information of the paired smartphone is not deleted.
- When using the wireless LAN function again, it is not necessary to rep-do the pairing settings.

● **Delete all registration information (initialization)**

1

🔆 WLAN
☐ 🛜
☐ Energy Saving

WLAN Press 2Sec. Energy Saving

Press

WLAN Press 2Sec. Energy Saving

2 second

WLAN lamp light is on.

1,2 Second

Peep!

2

☐ Ice Maker
☐ Auto Door

Ice Maker Auto Door Press 5Sec.

☐ WLAN
☐ 🛜
☐ Energy Saving

WLAN Press 2Sec. Energy Saving

Press

Ice Maker Auto Door Press 5Sec.

and

WLAN Press 2Sec. Energy Saving

2 second together for delete all registation information.

1,2 Second

Peep!

How to use the application

By installing a application on the smartphone and pairing it with the unit, it becomes possible to control the unit remotely and confirm its status. Use after the pairing setup. (>>P. 7)

The screen and functions of the application may change without notice by the version upgrade.
The display of the application switches by receiving the status of the unit.
It may take some time to receive after operation.

■ How to see top screen

"MENU" button
It is possible to change or confirm the setting. (>>P. 7)

"Tab" button
Three major functions (Control Panel, My lists, and Support can be switched and selected.
Press the selected "Tab" button to reload it to the latest status.

"Info", "Setup" button
It can be selected when "Control Panel" is selected by the "Tab" button of the dedicated application.

Unit Name (>>P. 9)
The name of the connected unit is displayed.
It can be changed by "MENU" button.

Unit status
Present unit status is displayed.
If it is tapped during the new message indicator, detailed contents of the new message indicator are indicated.

Operation status

The unit is under operation

The unit is not connected.

New message indicator

There is a "New Message"

There is no "New Message"

■ How to see the Control Panel (info) screen

Select "Control Panel" from the "Tab" button of the application, and tap the "Info" button at the lower left to display.
The operation status and new message display of the refrigerator can be confirmed. In addition, number of times the refrigerator door opens and closes for the last 10 days is also indicated.

■ How to see the Control Panel (Setup) screen

Select "Control Panel" from the "Tab" button of the application, and tap the "Setup" button at the lower right to display.
With using the paired smartphone, the temperature control of the refrigerator / freezer / Selectable Zone compartments and the setting of the automatic ice maker can be changed.
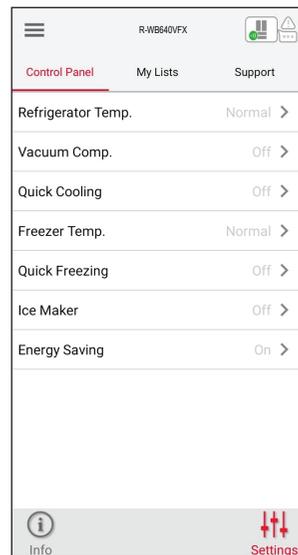
Number for the door opening / closing is the total number of opening / closing of the doors of each compartments including the refrigerator, freezer and Srlectable Zone.
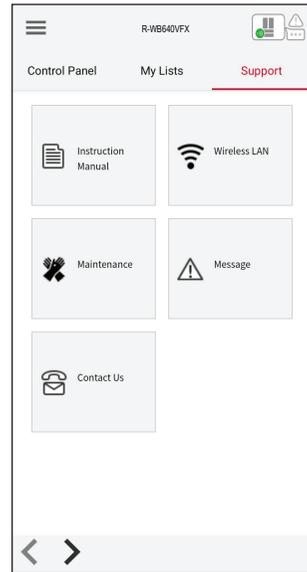
How to use the application

■ **How to see the My Lists**

Select "My Lists" from "Tab" button of application to display.
By taking photos with the smartphone's camera, it can be checked how many days have passed since the ingredients put in the refrigerator.
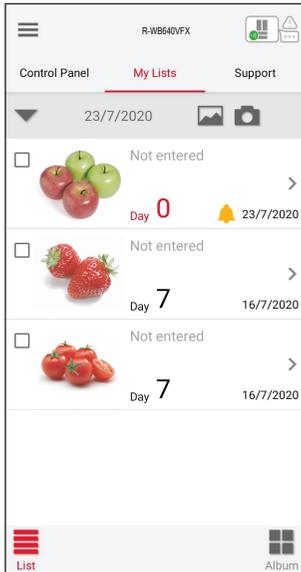
■ **How to see the support function screen**

Select "Support" from "Tab" button of application to display. The instruction manual can be viewed on the smartphone.

■ How to use the menu

Tap " ☰ " button in the application to display the menu. It is possible to register and change the registration information, make notification settings, and make settings for convenient usage. Operate according to the indication on the smartphone screen.

1. Connection Setup

"Select Unit" , "Add Unit" , "Delete Unit" , "Set Names" , and "Network setup" can be conducted.

1.1 Select Unit

At pairing with multiple units, the unit operated from the smartphone can be switched.

If the unit is paired with multiple phones, it will be displayed first when the application is started.

1.2 Add Unit

By pairing with a new unit, a unit to be operated can be added.

In order to change the wireless LAN router (network), change from "Network Setup" . Up to 5 units can be paired with 1 smartphone.

1.3 Delete Unit

・ The information of the unit registered in the smartphone can be deleted.

It shall be conducted before changing etc. the smartphone.

When the unit is connected to a wireless LAN router (📶 lights):

Information on the smartphones registered in the unit is also deleted.

When the unit is not connected to a wireless LAN router (when 📶 lights off):

The information on the smartphone registered in the unit is not deleted. Connect the unit to the wireless LAN router, and conduct "Delete registered user" on the paired smartphone.

・ When the unit is transferred to another person, conduct "Delete all registered information" .

・ After deleting the registration information in the unit, when the wireless LAN feature is used again, it is necessary to redo the pairing setup.

1.4 Names set up.

・ Change the names of the unit or user. Change the names of the unit and user, registered at pairing.
・ Confirm and delete registered users
The users paired with the selected unit can be confirmed and the pairing setup between the users and the unit can be deleted.
Up to 5 users can be paired with 1 unit.

1.5 Network setup

The wireless LAN router to be connected to the unit can be changed. Such change shall be conduct edit changing the wireless LAN router to be connected or the using place.
If paired with multiple smartphones, the wireless LAN router connected by devices other than the smartphone for which the setting has been changed is not changed. Change the wireless LAN settings for each smartphone as needed.

How to use the application

2. Notification

　The operation status of the unit and the content of the notification to be notified by push notification can be set.

3. History list

　The date and the time of occurrence of the new message indication, and the contents of such message, which occurred on the unit, can be confirmed.

　The history cannot be saved correctly when the unit is not connected to the wireless LAN router.

4. Contact

　Display the product information and its handling, smartphone connection, and inquiry on refrigerator repair.

5. Version

　Display the software version of the unit or the application.

　The unit's software can be updated. If there is software to be updated, it will be notified to the smartphone.

6. Terms of use/New message/Copyright info

　The terms of use for the application, new message about this product, and copyright info about this product and application are displayed.

7. Log Out

■ 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.

・ Software cannot be updated when the power is off.

・ If the unit software and 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 5 to 10 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.
　Do not turn off the power until the update is complete.

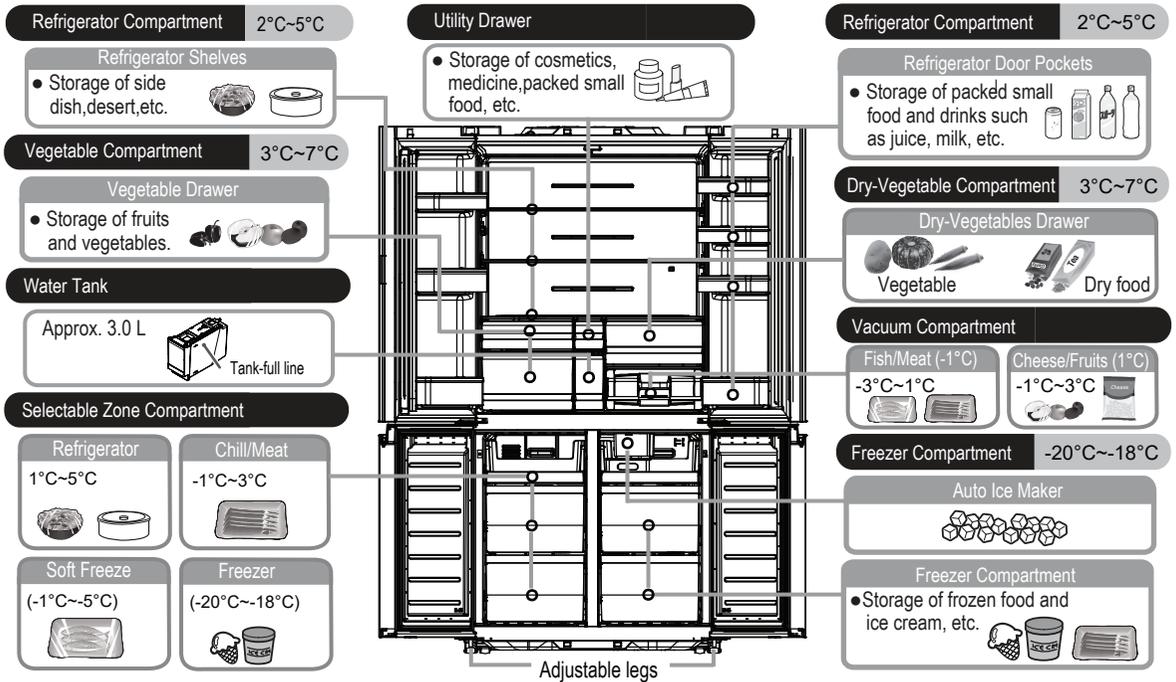### ● Set the updating of the unit software (Operate the application)
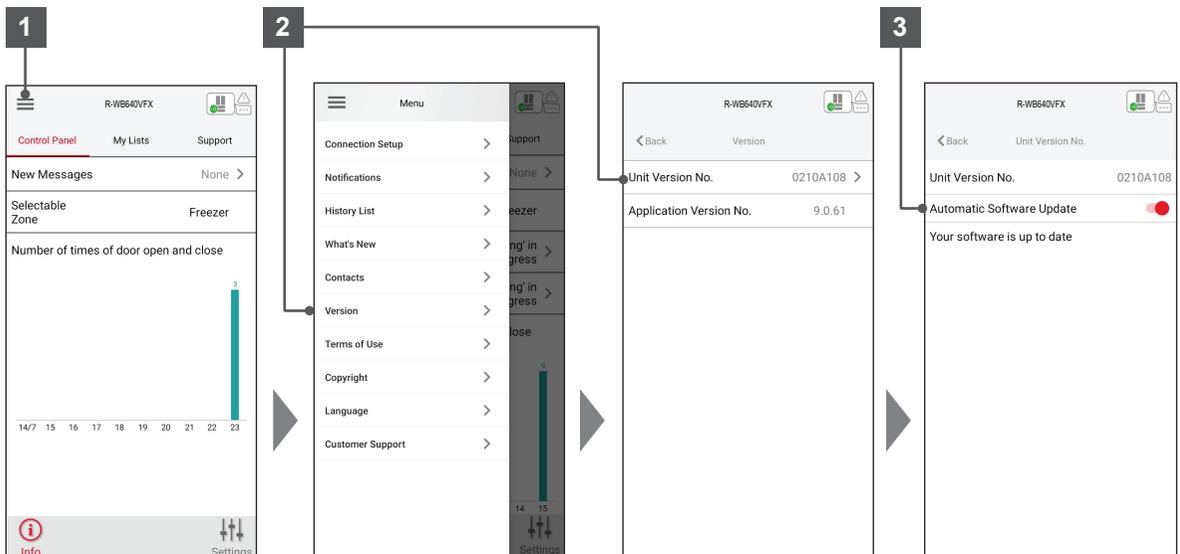
1. Tap " ☰ "

2. Tap "Version" and select "Unit Version No."

3. Set "Automatic Software Update" as 🔴

　The update starts automatically according to the operating status of the refrigerator.
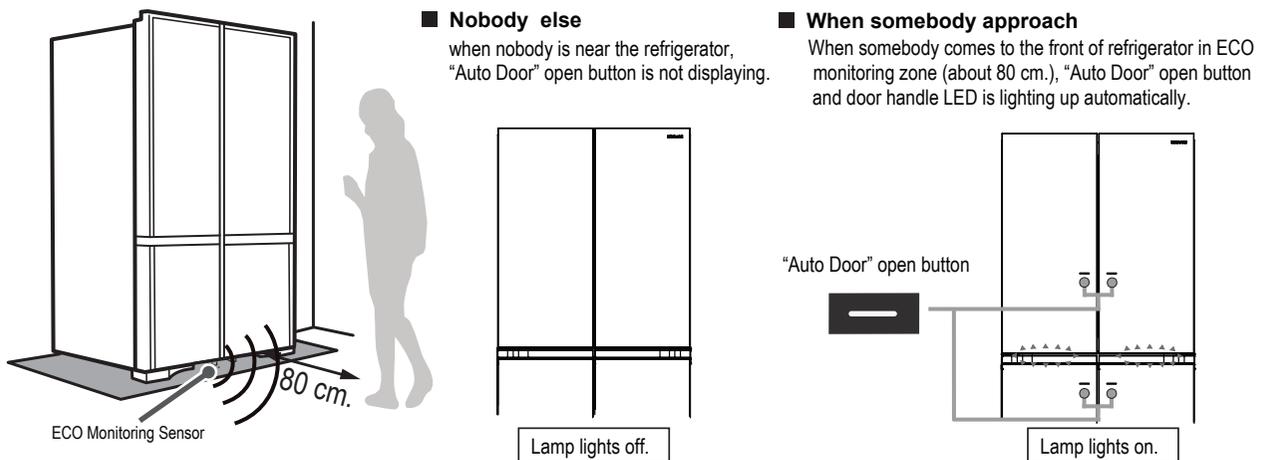
Location of Food Storage

Refrigerator Compartment	2°C~5°C

Refrigerator Shelves
- Storage of side dish, desert, etc.

Vegetable Compartment	3°C~7°C

Vegetable Drawer
- Storage of fruits and vegetables.

Water Tank

Approx. 3.0 L

Tank-full line

Selectable Zone Compartment

Refrigerator	Chill/Meat
1°C~5°C	-1°C~3°C

Soft Freeze	Freezer
(-1°C~-5°C)	(-20°C~-18°C)

Utility Drawer
- Storage of cosmetics, medicine, packed small food, etc.

Refrigerator Compartment	2°C~5°C

Refrigerator Door Pockets
- Storage of packed small food and drinks such as juice, milk, etc.

Dry-Vegetable Compartment	3°C~7°C

Dry-Vegetables Drawer

Vegetable   Dry food

Vacuum Compartment

Fish/Meat (-1°C)	Cheese/Fruits (1°C)
-3°C~1°C	-1°C~3°C

Freezer Compartment	-20°C~-18°C

Auto Ice Maker

Freezer Compartment
- Storage of frozen food and ice cream, etc.

Adjustable legs

NOTICE

- Above temperatures are the approximate values in the conditions of outside temperature 32°C, the temperature setting of the refrigerator compartment "Normal", freezer compartment "Normal", doors being closed and without food storage.
- Door pocket temperatures may be slightly higher than above temperatures.
- The specification of your purchased model may be different from one of the above illustration.
- One-, two- and three-star compartment are not suitable for the freezing of fresh food.
- Two-star frozen-food compartment are suitable for storing pre-frozen food, storing or making ice cream and making ice cubes.

ECO Monitoring Sensor

ECO Monitoring Sensor

- The controller section is displayed automatically only when the refrigerator is used and provides guidance in a user-friendly manner.

■ **Nobody else**
when nobody is near the refrigerator, "Auto Door" open button is not displaying.

■ **When somebody approach**
When somebody comes to the front of refrigerator in ECO monitoring zone (about 80 cm.), "Auto Door" open button and door handle LED is lighting up automatically.

"Auto Door" open button

ECO Monitoring Sensor

80 cm.

Lamp lights off.

Lamp lights on.

CAUTION

- Avoid placing the refrigerator in the hallway or areas where the most peoples walk through it.
- ECO Monitoring Sensor can detect people near refrigerator only.
- If the sensor cover dirty may cause sensor error. Always clean it with dry cloth.
- Do not put any things in the detecting area.

NOTICE

When the ECO Monitoring Sensor does not work. You can light up the touch screen button as follows
- Open any door.
- Touch any on button area.

How to use Auto Door

You can open the door easily by touching the door lightly with your thanks to the Auto Door function.

Control Panel for the Auto Refrigerator Door (Automated).

Refrigerator Door open assist unit

Handle (manual operation)

Control Panel for the Auto Selectable Zone Door (Automated).

Control Panel for the Auto Freezer Door (Automated).

Selectable Zone Door open assist unit

Freezer Door open assist unit
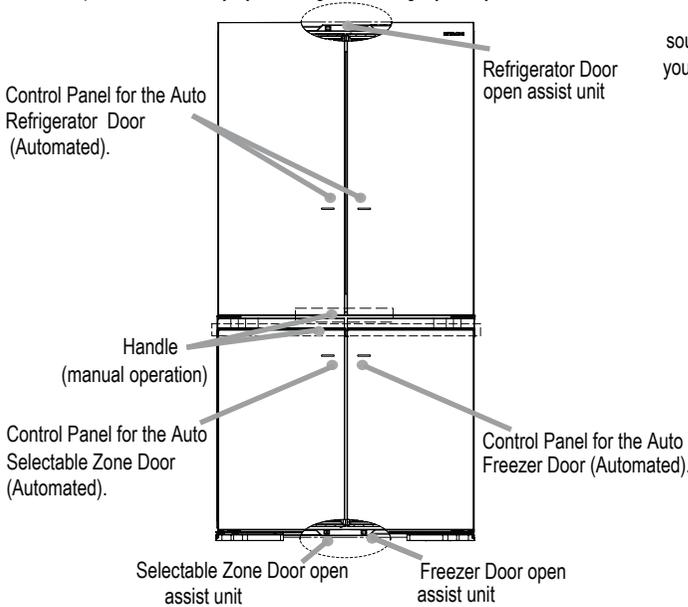
When touching "Auto Door" button, the operation sound is heard, and then it will open automatically. When closing it, use your hand to close the door (not electrically operate).

1 Opening one door on either side.

Pi!

Touch "Auto Door" open button of the door to be opened

2 Opening both doors at a time.

Peep!

Slide your finger from one edge of the open button to the end of button.
(Doors will open in turn from the side your touch.)
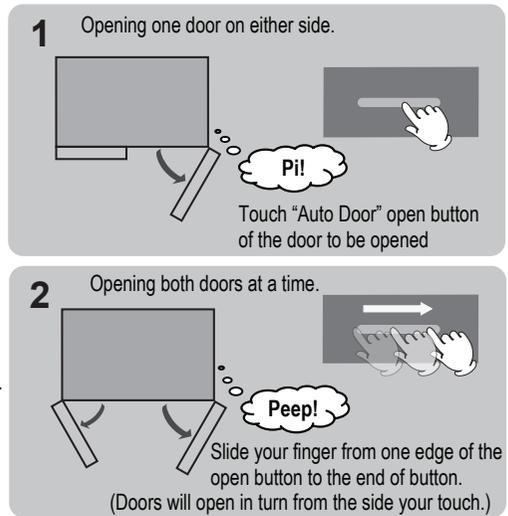
CAUTION
- When an infant child may use the Auto Door of make mischief, please stop the Auto Door function . (P.18)
- Use fingers to operate the control panel.
- Do not operate the Auto Door when another person is in front of the refrigerator or opening door (which may lead to personal injury unexpectedly by the opening door.)
- Be sure to unplug the power before cleaning the Auto Door.
- Do not put any item on the refrigerator.

NOTICE
- Auto door is the function to reduce the load when opening the refrigerator door.
  Opening angle of the door may vary or the door may go back a little after it is opened automatically depending on installation conditions of the refrigerator how beverages or foods are stored in the door pocket, but this is not malfunction.
- Auto Door of the Refrigerator Compartment will not be opened, when door of vegetable compartment opened.
- After touching the open button for the Auto Door, the operation sound may be heard when opening the door, but this is not malfunction.
- If open button for the Auto door is wet or dirty, it may not respond. Use wet cloth to wipe off dirt, and then wipe it with a dry cloth.
- If you touch the open button for the Auto Door and its neighbouring part at the same time, or you touch it for about one second or more, the Auto Door may not be opened automatically.

How to use the Control Panel

1 **Name and Function of the Control Panel**

Control Panel

Setting Refrigerator Temperature button

Setting Freezer Temperature button

Setting Vacuum Temperature button

"Quick Mode" Button

☐ Coldest	☐ Coldest		
☐ Normal	☐ Normal	☐ Freezer	☐ Chill/Meat
☐ Cold	☐ Cold	☐ Soft Freeze	☐ Refrigerator
Refrigerator	Freezer	Selectable Zone Press 2Sec.	
☐ 1°c		☐ WLAN	
☐ -1°c	☐ Cool	☐ Ice Maker	☐ 🛜
☐ Off	☐ Freeze	☐ Auto Door	☐ Energy Saving
Vacuum Compartment	Quick Mode	Ice Maker / Auto Door Press 5Sec.	WLAN Press 2Sec. / Energy Saving

Setting Selectable Zone Compartment button

"Energy Saving" and "WLAN" Button

"Ice Maker" and "Auto Door" Button

NOTICE
- If you unplug the power plug or a power failure occurs, then the refrigerator restart, the temperature display and each setting will be automatically resumed. However "Quick Freezing"and "Quick Cooling" operation will be cancelled.
- There must set more than 45 seconds before unplug the power or power failure. otherwise the temperature display shown as before setting.

How to use the Control Panel

2
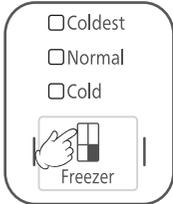
Temperature Control

■ Refrigerator Compartment
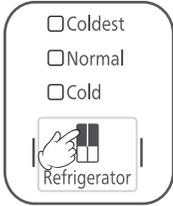
☐ Coldest
☐ Normal
☐ Cold

Refrigerator

Press "Refrigerator" button,
To setting a temperature.

For foods that doesn't need a lot of coldness.	For normal use.	When cooling food more coldly or quickly
☐ Coldest ☐ Normal ■ Cold	☐ Coldest ■ Normal ☐ Cold	■ Coldest ☐ Normal ☐ Cold
Cold	**Normal**	**Coldest**
(Sound " Pi ")	(Sound " Pi Pi ")	(Sound " Pi ")
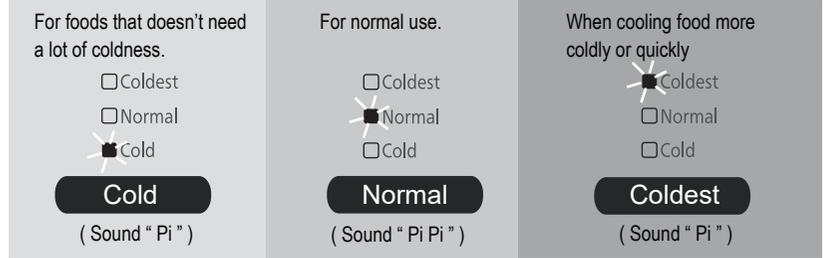
The display is indicating the status of temperature setting.

■ Freezer Compartment

☐ Coldest
☐ Normal
☐ Cold

Freezer

Press "Freezer" button,
To setting a temperature.

When storing neither frozen food or ice cream.	For normal use.	When making ice quickly or making frozen food quickly. Or, a surrounding temperature is high and the Freezer compartment is not cold enough.
☐ Coldest ☐ Normal ■ Cold	☐ Coldest ■ Normal ☐ Cold	■ Coldest ☐ Normal ☐ Cold
Cold	**Normal**	**Coldest**
(Sound " Pi ")	(Sound " Pi Pi ")	(Sound " Pi ")
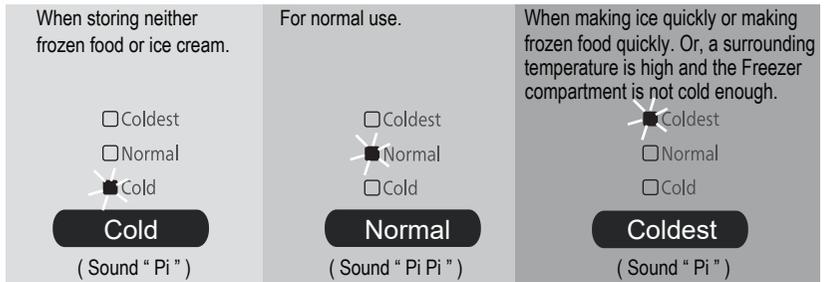
The display is indicating the status of temperature setting.

■ Selectable Zone Compartment

☐ Freezer   ☐ Chill/Meat
☐ Soft Freeze   ☐ Refrigerator

Selectable Zone
1,2 Second
Peep!
Press 2Sec.
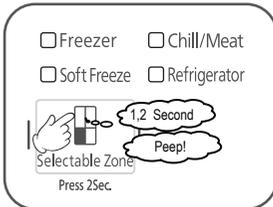
Press "Selectable Zone" button, 2 seconds for unlock. To select Selectable Zone Compartment mode

■ Freezer ☐ Chill/Meat ☐ Soft Freeze ☐ Refrigerator Selectable Zone Press 2Sec. When in Freezer operation,lamp light is on.	☐ Freezer ☐ Chill/Meat ☐ Soft Freeze ■ Refrigerator Pi! Selectable Zone Press 2Sec. Press "Selectable Zone" button Refrigerator operation, lamp light is on.	☐ Freezer ■ Chill/Meat ☐ Soft Freeze ☐ Refrigerator Pi! Selectable Zone Press 2Sec. Press "Selectable Zone" button Chill/Meat operation, lamp light is on.	☐ Freezer ☐ Chill/Meat ■ Soft Freeze ☐ Refrigerator Pi! Selectable Zone Press 2Sec. Press "Selectable Zone" button Soft Freeze operation, lamp light is on.

The display is indicating the status of temperature setting.

> **NOTICE**
> ● "Refrigerator" mode : Storing of Vegetable or fruits are required to be wrapped (Poly bag or Vacuum bag), to prevent from drying or freezing.
> ● By using Poly bag or Vacuum bag require extra attention to avoid humidity (Depends on Weather, Area etc.) accumulation.

Other Functions

■ Door Alarm and ECO Alarm Function

If the door is left open for more than 1 minute, the alarm system will inform the user by the sound and digital display.
● Door Alarm: Informs by PeepPeepPeep sound.
● Eco Alarm Display: Indicates the door opening state on the control panel.

Duration of Door Opening	Door Alarm Sound	ECO Alarm Display
After 1 minute	PeepPeepPeep	All LED on display-are Flashing
After 2 minute	PeepPeepPeepPeepPeep	
After 3 minute	Peep continuously	

To Disactivate Alarm and Sound

1. Keep pressing "Quick Mode" button for 5 seconds until "Peep!" sound is heard.

☐ Cool
☐ Freeze
Quick Mode
Pi!
1,2,...5 Second
Peep!

2. There is not sound when pressing any button (deactive door alarm sound).

☐ Cool
☐ Freeze
Quick Mode
.....
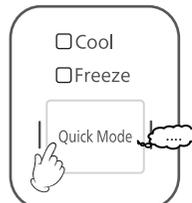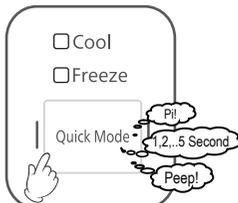
To re-activate Alarm and Sound

1. Keep pressing "Quick Mode" button for 5 seconds until "PiPi!" sound is heard.

☐ Cool
☐ Freeze
Quick Mode
.....
1,2,...5 Second
PiPi!

2. There is sound when pressing any button (active door alarm sound).

☐ Cool
☐ Freeze
Quick Mode
Pi!
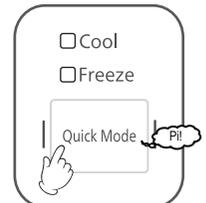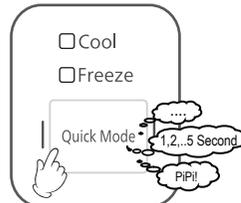
> **NOTICE**
> ● Factory setting, the alarm and sound are set "ON"
> ● If the Door Alarm, Eco Alarm Display and each button operation sound have been deactivated, The refrigerator will still set the alarm and sound to "OFF" even though a power failure or when unplugging and reconnecting the power plug.
> ● There must set more than 45 seconds before unplug the power or power failure. otherwise the temperature display shown as before setting.

Other Functions

■ How to use temperature control 9 step (Refrigerator compartment/ Freezer Compartment)

Setting

☐Coldest
☐Normal
☐Cold

Pi!
1,2,..5 Seconds
Refrigerator
Peep!
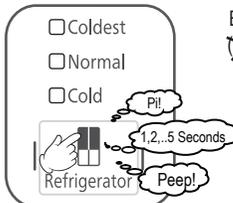
Press "Refrigerator" button
for 5 seconds until
1 "Peep!" sound is heard.
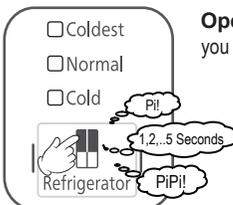
Open the Refrigerator door before press "Refrigerator" button to setting.

Each time you press the button, the corresponding indicator lamp changes in order shown below (9 steps).
(☀ Lighting   ■ Blinking   ☐ Turned off)

Indication lamp									
Setting	Cold	➡	➡	➡	Normal	➡	➡	➡	Coldest
Sound	Pi!	Pi!	Pi!	Pi!	PiPi!	Pi!	Pi!	Pi!	Pi!

Cancel

☐Coldest
☐Normal
☐Cold

Pi!
1,2,..5 Seconds
Refrigerator
PiPi!

Press "Refrigerator" button
for 5 seconds until 1 "PiPi!"
sound is heard.

Open the Refrigerator door before press "Refrigerator" button to cancel.
you can set temperature by normal step (3 steps)

NOTICE
● This function is subjected to change according model type.
● Factory setting, the adjustment temperature by normal step (3 steps).

■ Quick Mode

Quick Freezing : When you want to freeze food or make ice quickly, use this function.
Quick Cooling : When you want to cool food or drinks quickly, use this function.

1

☐Cool
■Freeze
Quick Mode
Pi!
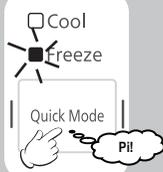
Press "Quick Mode" button
for Start Quick Freezing
operation, lamp light is on.

"Quick Freezing" will
be finished automaically
in approximately 2 hours.

2

■Cool
☐Freeze
Quick Mode
Pi!
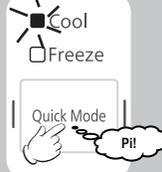
Press "Quick Mode" button
for Start Quick Cooling
operation, lamp light is on.

"Quick Cooling" will
be finished automaically
in approximately 90 minutes.

3

■Cool
■Freeze
Quick Mode
Pi!
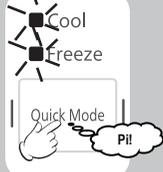
Press "Quick Mode" button
for start two
function operation,
both lamp light are on.

4

☐Cool
☐Freeze
Quick Mode
Pipi!
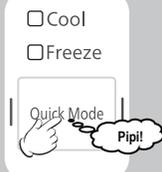
Press "Quick Mode" button
for stop two function
operation, both lamp
light are off.

Quick Freezing

Put food on the quick freezing "Quick Freezing" corner is located located on the upper part of the freezer compartment.

"Quick Freezing" is more effective if food is place near the back wall of the freezer compartment.

Quick Cooling

Put food on the quick cooling "Quick Cooling" corner is located on the upper part of the refrigerator compartment.

"Quick Cooling" is more effective if food is place near the back wall of the refrigerator compartment.

NOTICE
● During "Quick Freezing", priority cooling of the freezer compartment will be done, Thus, try to avoid unnesessary opening and closing the doors not to have a temperature rise of the refrigerator compartment.
● During defrost period,"Quick Freezing" and "Quick cooling" operation will stop even though the lamp is on. After finishing defrost period, the operation will restart automatically.
● Please note "Quick Freezing" and "Quick Cooling" mode will be released after power cut off or unplug.

Other Functions

■ **Vacuum** The display switches in sequence as shown below everytime the button is touched. The temperature is set to "-1 °C" at default.

1
When in
"Vacuum Compartment "
button "-1 °C" operation.
lamp lights on.

□ 1°C
■ -1°C
□ Off

Vacuum
Compartment

2
Press
"Vacuum Compartment"
button for start Vacuum
1°C operation.
"1°C" lamp light is on.

■ 1°C
□ -1°C
□ Off

Vacuum
Compartment

Pi!

3
Press
"Vacuum Compartment"
button for stop Vacuum
operation. "off"
lamp light is on.

□ 1°C
□ -1°C
■ Off

Vacuum
Compartment

PiPi!

After off vacuum function,the temperature will be autometically to default (-1 °C)

CAUTION The "Off" indicator lamp continues to be lit during the "Off"operation.

■ Ice Maker / Auto Door

Ice Maker : First, check whether the Automatic Ice Maker is in operation.

1
■ Ice Maker
□ Auto Door

Ice Maker
Auto Door
Press 5Sec.

Press [Ice Maker / Auto Door / Press 5Sec.] button
for start Ice Maker
operation,
lamp light is on.

Pi!

2
□ Ice Maker
□ Auto Door

Ice Maker
Auto Door
Press 5Sec.

Press [Ice Maker / Auto Door / Press 5Sec.] button
again for stop Ice Maker
operation,
lamp light is off.

PiPi!

When you wish to make ice especially quickly, use the "Quick Freezing" function.

Ice Preparation Time (8 (eight) cubes / ice making cycle)	
Normal Operation	Approx. 90 to 110 minutes
Quick Freezing	Approx. 70 to 90 minutes

The Ice Preparation Time shown is the average time to make ice when the ambient temperature is 32°C and the door is not opened and closed and temperature setting "normal".

NOTICE
- When using the "Auto Ice Maker" for the first time, discard the first of ice cubes for cleaning.
- If you do not intend to use the Automatic Ice Maker, manually cancel its operation.
- Ice cannot be made until the interior of the refrigerator is sufficiently cool. It may take 24 hours or longer to make ice for the first time after installation. Normally, it only takes 2 to 3 hours to make 8(eight) ice cubes.
- The Ice Making Time will be longer in the following situations.
  1. When the door is frequently opened and closed
  2. When a large amount of food is placed inside the refrigerator at the same time
  3. After "Ice Tray Cleaning" has been run
  4. When there is a power outage
  5. During winter, or when the surrounding temperature is low

Auto Door : You can prevent mischief from children playing the auto door.

1
□ Ice Maker
■ Auto Door

Ice Maker
Auto Door
Press 5Sec.

To activate this function,

Pi!

Press [Ice Maker / Auto Door / Press 5Sec.] button
5 seconds

1,2,..5 Second

Pi!

2
□ Ice Maker
□ Auto Door

Ice Maker
Auto Door
Press 5Sec.

To stop this function,

Pi!

Press [Ice Maker / Auto Door / Press 5Sec.] button
5 seconds again.

1,2,..5 Second

Pi!

NOTICE ● When an infant child may use the Auto Door to make mischief please stop the Auto Door function.

Other Functions

■ **Energy Saving** Recommend to use this function in case of low storage volume, or a long vacation when the doors are not opened for long time.

1
☐ WLAN
☐ 🔔
■ Energy Saving

WLAN Press 2Sec.
Energy Saving

👆 Pi!

- No ECO Monitoring sensor detection.
- No door open.
- No control panel operation.

Press [WLAN Press 2Sec. Energy Saving] button

for Start Energy Saving operation, lamp light is on.

2
☐ WLAN
☐ 🔔
☐ Energy Saving

WLAN Press 2Sec.
Energy Saving

👆 PiPi!

Press [WLAN Press 2Sec. Energy Saving] button

again for stop Energy Saving operation, lamp light is off.

NOTICE
- In case the compartment temperature rises up, the operation will be back to a normal setting temporarily.
- After a long time operation of "Energy Saving", in some cases, fatty ice cream, etc, may become soft. Please stop "Energy Saving" operation in this case.
- If you Touch "Quick Feezing" or "Quick Cooling" button during "Energy Saving " operation, "Energy Saving" operation will be done after "Quick Freezing" or "Quick Cooling" operation finished.

CAUTION • If "Energy Saving" operation is working in high humidity environment, dew may appear on refrigerator surface.

■ How to use Dry-Vegetable Drawer

If you keep the refrigerator in a hot and humid place, frequently open the door or store a lot of vegetables, it may cause dew forming which has no effect on its performance. Wipe the dew with dry cloth.
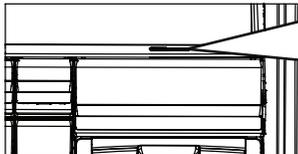
Dry Food • ——— • **Vegetable**

Slide the lever to "Dry food" for coffee bean/ tea leaf 3°C~7°C

Slide the lever to "Vegetable" to provide temperature for vegetable and fruit 3°C~7°C

- There is a humidity control which can adjust the amount of dry air flowing into the drawer.

CAUTION • Do not store dry food and vegetable together. Vegetable moisture may transfer to dry food and may not be able to keep food dry.

Refrigerator/Selectable Zone/Freezer Compartment

Refrigerator Door-Left	LED Lamp
Swing Partition	Refrigerator Door-Right
Door Pockets	Adjustable-height Shelves
Egg Tray	Fixed shelf
Upper Vegetable Drawer	Dry-Vegetable Drawer
Lower Vegetable Drawer	Utility Drawer
Water Tank	Vacuum compartment
Handle LED Lamp	Handle LED Lamp
Selectable Zone Door	Auto Ice Maker
Upper Selectable Zone Drawer	Freezer Door
Middle Selectable Zone Drawer	Upper Freezer Drawer
Lower Selectable Zone Drawer	Middle Freezer Drawer
ECO monitoring sensor	Lower Freezer Drawer
	Ice Bank

Refrigerator/Selectable Zone/Freezer Compartment

1 How to use the Auto Ice Maker

1. Remove the water tank.
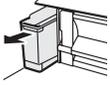
● Hold the handle and pull the water tank towards yourself.

2. Slide the Lid and fill the water.

Lid

Tank-full line

● Fill the water not over the full line.

3. Carry the water tank by the handle with care.
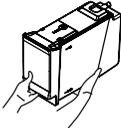
● When carrying the water tank, place one hand below the tank for horizontal stability.

4. Insert the water tank until it stops.

Process complete.

● If the water tank is not inserted all the way, water will not be supplied to the Automatic Ice Maker.
This will prevent these features from functioning properly.

CAUTION

● Do not fill the Water Tank with anything other than water. Filling the Water Tank with fluids such as juice, sports drinks, tea, or hot water can damage your refrigerator. The Water Tank can withstand temperatures up to 50 C

Mineral water   Filtered water   Well water

Juice drink   Sports drink   Carbonated drink   Tea

NOTICE

● Germs can multiply quickly when filtered water, dechlorinated water, mineral water, or boiled water is used in the Water Tank. Be sure to thoroughly clean the Water Tank regularly.
● Change the water in the Water Tank once a week.
● When not using the Water Tank for extended periods of time, thoroughly clean and dry the water tank and reinstall it to its place in the refrigerator.
● The capacity of the Water Tank is approx. 3.0 liters.
● For a first installed, allow 24 hours for the refrigerator to cool down and make ice.
● Ice maker will stop automatically when ice bank is full and start again automatically when ice cubes in the ice bank is reducing or empty.
● It is normal that a noise is generated when ice made or ice dropped into the ice bank.

Ice Bank

Ice detection level.

---
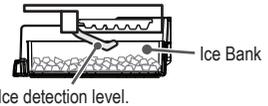
2 Swing Partition Suggestion

● Do not hold the swing partition while opening or closing the letf door. Otherwise, other parts may collapse.
● Whenever the door is opened, the swing partition will close automatically. While the door is closed, the swing partition will open. Please follow as usual. The swing partition and the swing stopper hit each other, the door will not close.
● In order to prevent the dew, there is a heater installed inside to heat up the swing partition. Due to this heater, the temperature of the swing partition is hot (the swing partition is not defective though it is hot).
● This is not abnormal when you feel heavy while opening or closing the left door which is installed with the swing partition.

While opening the door

Swing Partition   Swing Partition

While closing the door

Swing Partition   Swing Partition
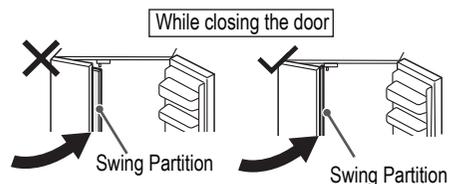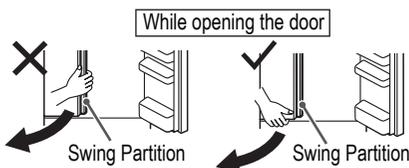
Refrigerator/Selectable Zone/Freezer Compartment

3 How to use the Vacuum Compartment

Vacuum pump

Handle

Vacuum cutting valve (blue)
The machine is unlocked by lifting the handle and the vacuum cutting valve will cut the vacuum system with the "Whoosh..." sound.

Vacuum Box
(With Aluminum Tray)
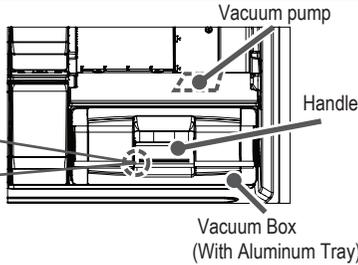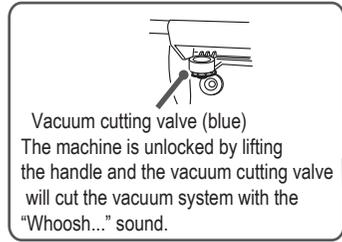
CAUTION

If the lid of the refrigerator is closed but the door of the vacuum case is not closed, there may be some parts will be broken.

■ Open Vacuum Compartment

1. Lift the handle to unlock.
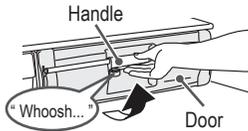
Handle

" Whoosh... "

Door

2. Pull the door out.
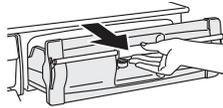
While there is the " Whoosh... " sound, it's still vacuum; thus, the door can not be removed. Please remove the door after the "Whoosh" sound stops.

■ Close Vacuum Compartment

1. Push the vacuum case to the end of the inside.

Do not put too much food or too many containers into the vacuum case. if you do, you may not be able to pull the vacuum case out.

2. Push the handle down to lock the door.

Push the handle down to the end. If not, the case might not be vacuumed.

WARNING

Vacuum pump will work when the handle of the vacuum compartment and the door of refrigerator are closed only. When the vacuum pump starts working,there will be loud noise which is not unusual at all. From the vacuum pump stats working until the case becomes vacuumed, it akes around 2 minites. If the door of the vacuum case opened before 2 minutes, You may not hear the "Whoosh..." sound.Thus, please check the vacuum system after waiting for longer than 2 minutes. Since the vacuum case generates coolness indirectly, it need more time to cool food than other cases.

With the ability to prevent oxidation, the product can preserve the nutrients and tastes of food longer than conventional food conservation techniques.

● Foods to be stored

Meats/processed meats

Fishes and seafood

Vegetables and fruits

Beef/pork/chicken/ham/ sausage/etc...

Salmon/mackerel fish/ seafood/boiled fish paste/etc...

Salad vegetables/bell pepper/apple/orange/ kiwi/etc...

Coffee bean/tea leaf/dairy products/ nuggets/etc...

● Food not recommended to be stored
Vegetables vulnerable to low temperature. Skin of the vegetables that are vulnerable to low temperature will sink or change the colors, please store them in vegetable compartment.

Egg plant/cucumber/roselle fruit/ asparagus/ginger/sweet pepper/etc...

● Food and containers should be stored with care
Food should be kept in a closed plastic bag.
Store the food carefully because the bag will be swollen and press on other food.

Be careful

Such as sausage and cheese in bags

Closed and sealed plastic containers.
Please pick containers out carefully because the doors of the containers may be detached.

Be careful

Refrigerator/Selectable Zone/Freezer Compartment

Instructions for disassembly or assembly

1. Slowly lift the front of the vacuum case to detach the core of the door of the vacuum case.

2. Lift the vacuum case higher.

Aluminum Tray   Vacuum case

Core
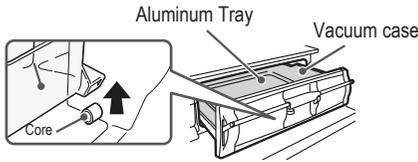
3. Install all parts by following the reverse steps of the disassembly procedure.

CAUTION

- Please remove placed food from the vacuum box before disassembled.
- Please do not detach any part other than the one described in the instruction.
- If you want to disssemble any part not described in the instruction for cleaning, please consult the Service Center through the consultancy channels.
- As for the disassembly or installation of any part, please open the door of the refrigerator wider than 90 degrees.

4 How to remove part

Ice Bank

■ To remove Ice Bank, pull Upper Freezer Drawer all the way out, then lift Ice Bank upward.
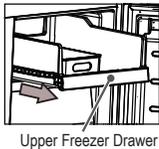
Upper Freezer Drawer   Ice Bank

Vegetable Drawer/Dry-Vegetable Drawer

■ To remove Vegetable Drawer and Dry-Vegetable Drawer, pull it all the way out, then lift it upward.
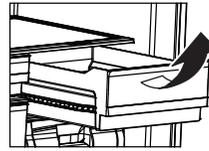
Adjustable-height the Shelves

■ The height of these shelves can be adjusted to match the height of your food and the way in which they are to be used.
- Remove all food stored on the shelf.
- Lift the back of the shelf upward slightly then pull the shelf out towards to you.
- Adjust the shelf to the desired height, then push the shelf in until it reaches the back of the slot.
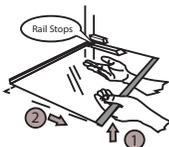
Shelf Trim   Rail Stops

⚠ CAUTION

Shelf trims are removable, Holding the shelf with both hands. DO NOT holding trim or holding shelf with only one hand otherwise it may drop or injury.

Utility Drawer

■ To remove Utility Drawer, pull it all the way out, then lift it upward.
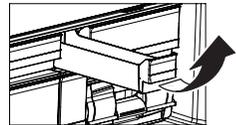
Door Pocket

■ Gently tap the left and right of the bottom surface while pulling a pocket up to remove it. When installing the pockets, push it all the way down in a smooth, controlled manner.

Tap !
Tap !

Refrigerator/Selectable Zone/Freezer Compartment

Upper Drawer, Middle Drawer, Lower Drawer (Selectable Zone / Freezer Compartment)

■ To remove Upper Drawer, Middle Drawer, Lower Drawer,pull it all the way out, then lift it upward.
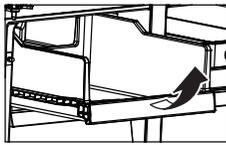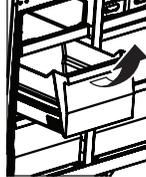
| Upper Drawer | Middle Drawer | Lower Drawer |

Care and Maintenance

Cleaning

⚠ WARNING

Make sure to unplug the power plug when maintaining the refrigerator.

When dirt is found   Wipe off it immediately. It is recommended to clean the hidden places once a year.

Power plug

■ If the power plug is plugged in with dust on
 the power cord, it can result in fire.
   ● Remove all dust once a year and wipe with
    a dry cloth.

Cleaning once or twice a year

Door gaskets

■ This area is prone to smudges,
 so be sure to wipe it thoroughly.
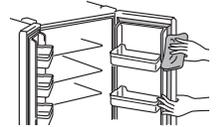
Cleaning once a month

Door Surface

■ To clean the door surface, wipe with
 a soft cloth wetted with lukewarm water.
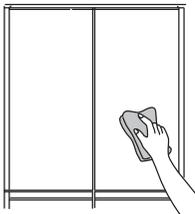
Cleaning once a month
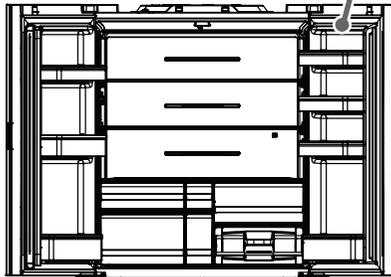
Each shelf/pocket

Use a soft cloth wet by lukewarm water to wipe off.

Cleaning once per three months

Drip Catcher

■ Liquid that has accumulated
 here should be wiped away.

Drip catcher
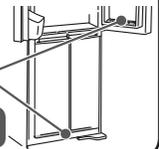
Cleaning once a month

Back Panel, Foor of Refrigerator

1. Turn the leg adjuster to raise the refrigerator up off the floor.
   ● If the adjuster does not turn easily, use a screwdriver to turn it.
    If it still will not turn, then remove the leg cover and try again.
2. Pull the refrigerator straight out toward you.
   ● For floors that are easily damaged, lay out a protective mat, or
    other protective material.
3. Wipe off the smudges on the back panel,
 walls, and floor of the refrigerator.
   ● Due to the convection of air, this is a
    place where fine dust is likely to adhere.

Cleaning once or twice a year

Drawer

Use a soft cloth wet by lukewarm water to wipe off.
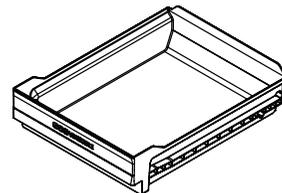
Cleaning once per three months

NOTICE   ● Clean reguraly surfaces that can come in contact with food and accessible drainage systems.
 ● If the refrigerating appliance is left empty for long periods, switch off, defrost, dry and leave the door open to prevent mould
   developing within the appliance.

Care and Maintenance

Ice maker

⚠ WARNING

WARNING Do not touch the mechanical parts of the automatic ice maker.

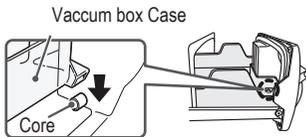(Touching these parts might result in injury.)

Vacuum Compartment

1. Pull the vacuum box out In order to take the products stored in vacuum box.
2. For the following part, clean it with a piece of cloth soaked in warm water.

Aluminum tray   Vaccum box gasket
Packing Receiver
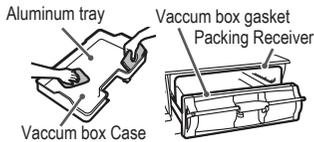
Vaccum box Case

3. Assembly the Vacuum Box case attach with the core of Vacuum Box Door.

Vaccum box Case

Core

Cleaning once a month

CAUTION

- If the detergent or any product other than warm water is used for cleaning Vacuum Box gasket, there may be effects in terms of deformation, color change or loss vacuum property.
- If Vacuum Box gasket is dropping or Vacuum Box Door not well aligned, there may be the loss of vacuum property.

When Vacuum Box gasket is dirty.

1. Disassembly of Vacuum Box gasket out off Vacuum Box Case. Facing the Vacuum Box, twist the knob of the Vacuum Box gasket on top right and carefully remove.
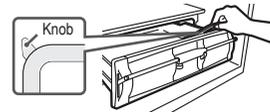
Knob

2. Wipe gently with sponge on the stain with plain water. Don't use any detergent.

Vaccum box gasket

gasket track

Please clean gasket track also.

3. Wipe water out with dry cloth and leave the part until it is naturally dried.
4. Assemble Vacuum Box gasket, twist the knob to align with the gasket track, deliberately assemble.

Knob   Packing track
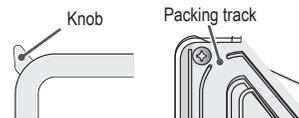
Water tank

In order to prevent grime and hard water stains from building up, make sure to clean the Water Tank once a week.
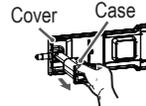1. How to open the cover.
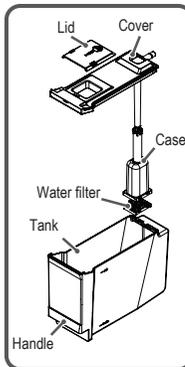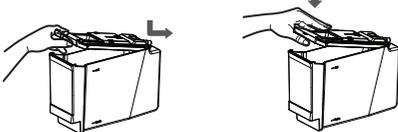
To remove the lid, use your finger to insert pull the cover up.

Tank

2. How to close the cover.

Cleaning once a week

Lid   Cover

Case

Water filter

Tank

Handle

In order to prevent grime and hard water stains from building up, make sure to clean the Water Filter once per week.
1. Pull the case to remove it from the cover.

Cover   Case

2. Pull the tab to remove the Water Filter from the case.

Tap

3. Use a soft sponge to clean the Water Filter.

Do not use cleansers as this may damage the filter.

NOTICE

- If the Automatic Ice Maker is not set to "Stop," the water pump may make sounds occasionally. This is not a malfunction.
- Slide the lid in back-end first in the direction of the arrows to close the lid.
- Replace the Water Filter when it wears out. Water Filters need replacing every 3 to 4 years.
- Clean water tanks if they have not been used for 48 h;flush the water system connected to a water supply if water has not been drawn for 5 days.

Troubleshooting

Before you call for service, please check the following items:

Problem	Things to check	Instructions	Page
The refrigerator does not get cold at all.	● Is the refrigerator plugged in properly?	● Check the fuse box for blown fuse or tripped circuit breaker.	2
The refrigerator does not get cold enough.	● Is the refrigerator placed in the direct sunlight? ● Is the temperature set to "Cold"? ● Is the food stored too much? ● Is the door slightly opened? ● Is the refrigerator placed near heat sources? ● Has anything hot been placed in the refrigerator? ● Is the door opened and closed too frequently?	● Do not install the refrigerator in a place where it may come in contact with sunlight. ● Press "Refrigerator" button to "Normal" or "Coldest". ● Keep enough space between food. ● Should close the door firmly closed. ● Do not install the refrigerator in a place where it may come in contact with heat sources. ● Make food cool enough before putting in the refrigerator. ● Do not open & close the door too frequently.	4 16 4 - 4 4 -
Food in the refrigerator compartment freezes.	● Is the temperature set to "Coldest"? ● Do you place food with moisture or vegetables nearby the cold air vent? It will be frozen if it is is placed nearby the cold air vent.	● Press "Refrigerator" button to "Normal" or "Coldest". ● Keep enough space between food,Do not block the cold air vent.	16 4
Dew appears Outside	● When the ambient humidity is too high, the door gasket may have dew. Please wipe it up with dry cloth.	● See content " Dew or frost is generated" .	30
Dew appears Inside	Please wipe it off with dry cloth and please check the details below. ● Is the door closed firmly? ● Is the door opened and closed too frequently or opened for a long time? ● Is it too humid outside?	● See content " Dew or frost is generated" .	30
The inside is smelling.	● Do you store food with odor without warpping it?	● Using food wrap or sealed containers.	4
The refrigerator is noisy	● Make sure the refrigerator is installed frimly. ● Is the refrigerator touching the wall?	● Should be install the refrigerator by following the preparing instruction manual.	4

The Control Panel does not respond:

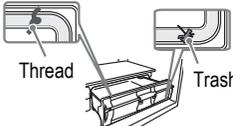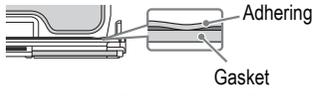| Problem	Things to check	Instructions	Page
The Control Panel display keeps changing	-	● This indicates that the refrigerator is running is store-display mode. ● The refrigerator will not cool while running in store-display mode. ● Turn off the store-display mode by 1) Power off and Power on the refrigerator again. 2) After that the refrigerator will return to normal mode.	-

This is not a malfunction of the refrigerator:

Problem	Things to check	Instructions	Page
The surface of the refrigerator is hot.	-	● The refrigerator is equipped with the dew prevention and heat radiation tubes. The back and side plates may be heated especially when starting up or if the door is frequently opened and closed.	-
If a door is shut, other doors may open.	-	● The two compartments are connected with an air duct. When closing one of the doors, the other door may be opened by the air pressure through the duct. This is a normal phenomenon.	-
Does the refrigerator make any abnormal noises (sound)?	-	● The sound like water flowing and boiling water is the sound of the cooling liquid (refrigerant). ● A creaking sound comes from the storage compartment. It is the sound caused by friction of the parts due to temperature change.	-
There are waving and / or distortions on the door surface, the side and the top surface of the refrigerator.	-	● Slight waving and/or distortions are generated in the manufacturing process of the refrigerator. They may be conspicuous according to the position of the light source and/or the brightness etc., but there is no problem with the performance.	-

Troubleshooting

This is not a malfunction of the refrigerator:

Problem	Things to check	Instructions	Page
Annoying sound is generated by the refrigerator.	-	● You may feel that the operation sound is loud because the compressor operates in high-speed under the following conditions: the refrigerator does not cool fully on the occasion such as using it for the first time, opening/closing the door frequently, the surrounding temperature is high. The sound becomes more quiet after cooling fully. The compressor operates at low speed at night, or during long vacations or absence.	-
Operation sound lasts long.	-	● It is because the compressor operates in low-speed for conserving energy	-
Operation sound sometimes becomes louder.	-	● It is because the system changes the operating power of he refrigerator according to the temperature change.	-

There is something strange with the Vacuum Compartment.

Problem	Things to check	Instructions	Page
In case of occurred these event, Vacuum Compartment might not be operate.	● Is the Handle up? ● Has the Handle been pushed down to the end? ● Are Vacuum Compartment gasket and Packing receiver dirty? ● Is Vacuum Compartment gasket or Vacuum valve (blue) detached or loose? Vacuum valve (blue) ● Is there any bag that contains food or stain debris, trash in or around Vacuum Compartment gasket and Packing receiver? Thread Trash ● Is the gaskets adhered together, gently stretch it part before using the Vacuum Compartment? Adhering Gasket ● Has the Vacuum Compartment or R door been opened/closed?	● Push Handle down to the proper position. ● If not, there is no vacuum. Push the Vacuum Box Case inside to the end and push the handle down to the proper position. ● If they are, clean them by wiping the stain out. ● Deliberately attach Vacuum Compartment gasket and vacuum valve. ● If there is any plastic bag that contains things inside, remove it. If the gasket are attached to each other, the Vacuum property will be lost. ● If the sides of gasket stick to each other, put them apart. If gasket is dirty, clean it. ● Since the Vacuum Pump is in the status of readiness for work, the absence of the "Whoosh..." sound is not unusual.	- - 24 24 24 24 -
It is not known whether it is in the vacuum state or not.	● If the is the "Whoosh..."sound during the opening, it is normal.	-	-
The Handle cannot be locked.	● Is there anything stored in the gasket or the inmost side of the Vacuum Compartment?	● If there is, remove that thing.	-
There is shaking "Bu Bu" sound from around Vacuum Compartment.	● The sound of Pump creating the vacuum state. ● If the sound or the shaking happens often, there may be something at the door or the gasket may be dirty.	● There is nothing wrong. ● If there is plastic bag, remove it and clean the dirty.	24
There are dews or water around the door or inside Vacuum Compartment.	● Water in food and air can cause diets inside because Vacuum Compartment is completely closed.	● Anything that contains a lot of water should be wrapped or covered. If there are dews or water, wipe them with a piece of cloth soaked in warm water.	-
Things stored in Vacuum Compartment are frozen.	● Is there any vegetable that is vulnerable to low temperature such as cucumber or tomato inside?	● Check the vegetables that are vulnerable to low temperature and move them to vegetable compartment.	21

Troubleshooting

Auto Door

Problem	Things to check	Instructions	Page
Noise loud. **There is an abnormal noise.**	● Hitting sound (thumping sound). ● Buzzing sound (whir) (whir). ● The operation sound of the Auto Door differs depending on door (left or right).	● This is operating sound of the Aut Door. ● This is not malfunction. ● This is operating sound of Electric Refrigerator Unit. ● This is not malfunction. ● This may vary depending on installation conditions of the refrigerator or volume of foods stored in the door pocket. ● This is not malfunction.	-
▬ **Lamp of open button is off or Auto Door won't open even if touching.**	● Is [Ice Maker / Auto Door / Press 5Sec.] lamp not lit?	● Press [Ice Maker / Auto Door / Press 5Sec.] button for 5 second or more until lamp on.	18
The Auto Door dose not close.	● Is any food or food bag caught on the compartment? ● Did a power failure occur or did the compartment knock against any obstacle during electrical operation?	● Remove food and others that are caught in. ● Auto Door function stops on the way, so push in the door with hand.	-
Auto Door dose not open widely.	● Don't stored foods and others make contact with the wall in the Refrigerator Compartment. ● Installation site may not be levelled out.	● Remove food and others make contact with the wall. ● Opening angle of the Auto Door may vary or the door may go back a little after it is opened automatically depending on installation conditions of the refrigerator, but this is not malfunction.	-

Wireless LAN

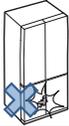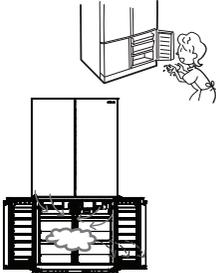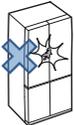| Problem	Things to check	Instructions	Page
Want to know whether the smartphone is corresponding to the dedicated application.	-	● For the corresponding OS version, confirm via the website below. https://kadenfan.hitachi.co.jp/app/rei/series01/index.html	-
Want to use a tablet terminals.	-	● The dedicated application does not correspond to a tablet terminal. (No operation guarantee)	
Want to use a mobile routers.	-	● Mobile router operation is not guaranteed. Some routers cannot be used even though corresponding to IEEE802.11b, IEEE802.11g, and IEEE802.11n (2.4 GHz only).	
Want to operate without using a dedicated application.	-	● A dedicated application is required to use the "Control panel" function or "Notification" function.	-

Impossible to connect the unit and a smartphone to the wireless LAN.	-	● The following environment is required to connect the unit and a smartphone to the wireless LAN.
		  1. Internet connection environment is required.
		  2. Wireless LAN router is required.
		  3. The wireless LAN router shall correspond to any of IEEE802.11b, IEEE802.11g, IEEE802.11n (2.4GHz) If not, it is impossible to connect by the wireless LAN function. In addition, it doesn't correspond to IEEE802.11n (5GHz) and IEEE802.11.ac.
		● Make sure that power for the wireless LAN router is on. Refer to the instruction manual for the wireless LAN router and turn on the power.
		● 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.
		● Make sure that the wireless LAN router is not stealth mode / ANY key connection prohibited / SSID hidden. Release stealth mode and pair it.
			-

Troubleshooting

Wireless LAN

Problem	Things to check	Instructions	Page
Impossible to connect the unit and a smartphone to the wireless LAN.	-	Refer to the instruction manual of the wireless LAN router and turn on the power. ● Make sure that the password is correct. If the password is wrong, it cannot be connected to the wireless LAN. ● While "WLAN" of the unit is blinking, it is under communication preparing and cannot be connected to the wireless LAN. Wait until it lights. ● It cannot be connected to the wireless LAN if " 📶 " of the unit lights off. ● 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. ● If the above does not apply, turn off the smartphone and wireless LAN router, wait for a while, and then turn it on again.	-

The unit and 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.
		● 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 for the wireless LAN router are unknown.	-	● Refer to the instruction manual of the wireless LAN router. The password may be described as "Encryption Key" or "Security Key" etc. depending on the manufacturer or the model of the wireless LAN router.	-
I want my family to login using the same login ID.	-	● Only one person can login simultaneously with one login ID.	-
Impossible to operate from the smartphone Operation cannot be accepted.	-	● Immediately after the other user operates, the operation from the smartphone is not accepted. Wait a while and try again. ● Make sure that the smartphone is connected to the wireless LAN or mobile phone lines. ● If the unit is far from the wireless router, move the wireless router closer to the unit. ● While "WLAN" of the unit is blinking, wireless LAN connection cannot be established because communication is in progress. Wait until it lights up. ● Wireless LAN connection is not possible when " 📶 " of the unit is off.	-
Push notification cannot be reached.	-	● While "WLAN" of the unit is blinking, the push notification cannot be reached because communication is in progress. So, wait for a while. ● Confirm that the notification of the dedicated application is set by "Setting" of the smartphone. ● Confirm that the notification is set by "Notification Setting" of the dedicated application.	-
Want to suspend the push notification.	-	● Change the notification without setting by "Notification Setting" of the dedication application.	-

Troubleshooting

Wireless LAN

| Problem	Things to check	Instructions	Page
The operating status of the unit is different from the content of the push notification.	-	● Depending on the status of the server and the communication status of the unit and smartphone, the operating status of the unit may be delay to be notified.	-
The status indicated by the dedicated application is different from the operation of the unit.	-	● Depending on the status of the server and the communication status of the unit and smartphone, the indication of the dedicated application may differ from the operation status of the unit.	-
"WLAN" is blinking.	-	● It becomes communication preparing status immediately after power on for the unit, and " WLAN" blinks. Wait a while until it lights.	
" 📶 " is lighting off.	-	● If the pairing setting is incomplete, " 📶 " does not blink. Please do pairing setup. ● Make sure that power on for the wireless LAN router. Refer to the instruction manual of the wireless LAN router and turn on the power. ● 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.	-
Contents of the instruction manual differ from the operation of the unit and dedicated application.	-	● Contents of the description may differ due to unit software updating, the dedicated application updating, etc.	-

Dew or Frost is generated

General operation	Please check here	Possible causes and / or Recommened solutions
Frost or ice is generated in the freezer compartment	The door of the freezer compartment was not left open temporarily?	Check that the wrapping paper of the food is not getting caught in order not to make gap between door and door gasket when you close the door.
	The door of the freezer compartment was not opened frequently or longer time than necessary?	When the door is opened frequently or if the door is opened when the humidity around the refrigerator is high, moisture in the air may be turned into some frost or ice on the inner wall or component of the freezer compartment, or around the air chanels. This is not a failure. Please try not to open the door too many times or for a long time. Also, please wipe frost or ice generated in the freezer compartment off with use of a dry cloth.
	Making extra ice by using an additional ice-tray which was not originally installed in the refrigerator?	When the many containers in which water or liquid is stored are put in the same time, water or liquid may be evaporated and turned into frost or ice on the wall or component of the freezer compartment, or around the air channels. You can suppress these frost and ice by putting lid to avoid evaporation Please wipe frost and ice off with use of a dry cloth.
Dew is generated in the refrigerator compartment	The door of the refrigerator compartment was not left open temporarily?	Please check not to pinch the food or plastic bag between the door and door frame when you close the door.
	The door of the refrigerator compartment was not opened frequently or longer time than necessary?	When the door is opened frequently or if the door is opened when the humidity around the refrigerator is high, moisture in the air may be turned into some dew on the inner wall or component of the refrigerator compartment, or around the chilled air blow-off port. This is not failure . Please try not to open the door too many times or for long time. Also, please wipe off the dew in the refrigerator compartment with adry cloth.
	Storing many vegetables containing much water?	The humidity of the vegetable compartment is higher than other compartments. Accordingly, depending on the amount or type of the vegetable, dew condensation may be generated on the plastic case of vegetable compartment. However, this is not a failure. When you do not want to have this kind of dew, please warp your vegetables in a plastic flim. Also,when the dew condensation happens many times, water may be accumulated in the vegetable compartment. Please wipe the water off with a dry cloth.
Dew is generated on outer surface of the refrigerator	The volume of humidity around the refrigerator is not high?	When the humidity rises such as in rainy day, some dew many be generated on the outer surface of the refrigerator. Please wipe the dew off with a dry cloth.
	The temperature setting is not set as "Coldest"?	When the temperature setting is set as "Coldest", some dew may be generated on the outer surface of the refrigerator. Please set the setting as "Normal". Also, please wipe dew off with use of a dry cloth.

Dew condensation

Why frost and dew are generated?

When warm and humid air contacts something cold, dew is generated. For example, if you put some ice in the glass in your room, air around the glass will be cold down and some dew may be generated on the outer surface of the glass.

In the same way, when warm and humid air enters into the refrigerator at the door opening, the warm and humid air contacts cold inner wall and little dew may be generated.

Accordingly, if the door opening is too frequent or too long, dew will be accumulated at every door opening. In some cases, dew may be frozen to generate some frost or ice flakes in the freezer compartment.
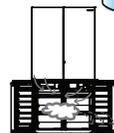
Memo

Service Center

● Before you request repair, please check the refrigerator well according to page number 25-29. If it is still abnormal, please contact the retailer of purchase or the following service center.

Hitachi Sales (Thailand), Ltd.
333, 333/1-8 Moo 13, Bangna-Trad Road (km7),
Bangkaew, Bangplee, Samutprakarn 10540
Tel. : 0-2335-5455 Fax. : 02-2316-1128
Web Side : http://www.hitachi-th.com E-mail : hitachi@hitachi-th.com

● Telephone number is subject to change without notice.

About Non-fluorocarbon refrigerator

● This refrigerator, including refrigerant and the heat insulator, is using hydrocarbon (non-fluorocarbon). The hydrocarbon is a material that does not rip up the ozone and have very little influence on global warming. It is the global environment concern material).
● R600a refrigerant is flammable. But the refrigerant is sealed up by the refrigerant circuit, and never leaks by usual use. In case of the refrigerant circuit being damaged by any chance, please avoid using fire or electric product, open the window and ventilate. Afterwards, please contact Hitachi Service Center.

Sever warning signs for Disposal

Cyclopentane is used as in the insulation. The gases in insulation material require a special disposal procedure.
Please contact your local authorities in regard to the environmentally safe disposal of this product.

This symbol mark means that used electrical and electronic products shall not be mixed with general household waste.
Do not try to dismantle the system and unit by yourself as this could have harmful effects on your health and the environment.
Refrigerators must be treated at a specialized treatment facility for recycling and recovery and shall not be disposed of in the municipal waste stream. Please contact the installer, dealer or local authority for more information.