

# Instruction Manual

## Refrigerator

No frost

### Model

R-S38KPT



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 works  
by well-trained maintenance work.

**HITACHI**  
Inspire the Next

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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.

	<b>WARNING</b>	This pictograph indicates "There is high possibility of serious injury or death, if ignored".
	<b>CAUTION</b>	This pictograph indicates "There is a high possibility of injury or damage to property if ignored".

The symbols below are examples.

	This symbol is an alert mark.
	This symbol indicates "prohibited".
	This symbol indicates "necessary".

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



**This symbol denotes the precautions on flammable refrigerators.**

## WARNING

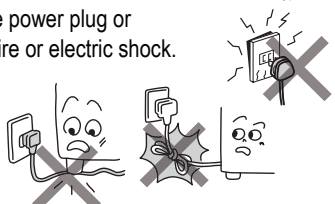
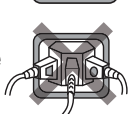
**When you install...To avoid fire, electric shock and injury.**

- 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.



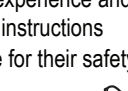
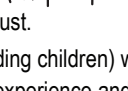
**Power Cord and Power Plug ... To avoid fire, electric shock.**

- Do not connect the refrigerator plug to any wall outlet whose power capacity is less than the refrigerator's. Also, do not use power sources that are not a rated voltage.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- 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.
- 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 the gas leakage because of pipe rust.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or metal capabilities, lack of experience and knowledge, unless they have been given supervision or instructions 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 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.



- Ground this refrigerator to prevent electric shock and noise interference. Always ground this refrigerator and install earth leakage circuit breaker when using it in places with high humidity or moisture. (Please consult with a retailer or HITACHI service center.)

- 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.



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



- Do not disassemble, repair, or modify the refrigerator by yourselves.
- Please consult with a retailer or Hitachi Service Center if any repair is required.



- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.



- 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.



- 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.





## WARNING

### During daily use ...To avoid fire, electric shock. (Continuance)



- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.



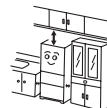
- Children should be supervised to ensure that they do not play with the appliance or get in.
- Children getting inside may not be able to get out.
- Children shall not play with the appliance.



- 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.



- Cleaning and user maintenance shall not be made by children without supervisor.
- 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.



- 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.



- When discarding the refrigerator, remove the door gaskets.
- To avoid a risk of an infant or child to be entrapped inside.



## 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.



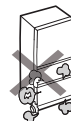
- Fingers may get caught in the spaces between the doors and may cause injury.
- Do not make an impact on the glass-made doors or shelves.
- They are made of tempered glass, however, an excess impact may result in breakage and is dangerous.



- 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 refrigerator may result in injury by thin metal sheets.



- 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.



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



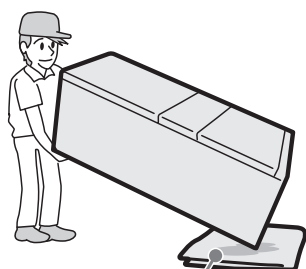
- Do not use door handles when carrying the refrigerator.
- Never use the carrying handles to hang up with a chain hoist or similar machines.



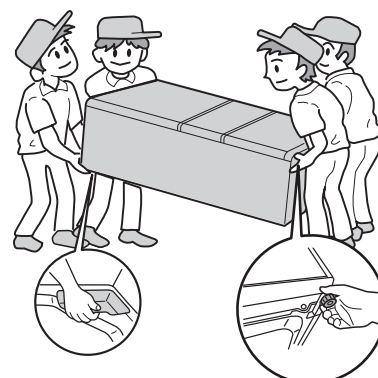
- Use the carrying handle when carrying the refrigerator.
- Hold the carrying handles only. If hold door handles, hands may slip and may cause injury.
- Carry the refrigerator by at least 4 persons for safety reasons.
- Carry it with the doors facing upward.
- Before carrying the refrigerator:
  - Take out all food items and ice cubes.
  - Lay a protective sheet or cloth to protect the floor from damage and catch remaining water spilled from the refrigerator.
  - With a large piece of old cloth underneath, tilt the refrigerator backward to drain water.
  - 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.



- 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.



Such as old cloth



### When replacing lamps (LED) is required.

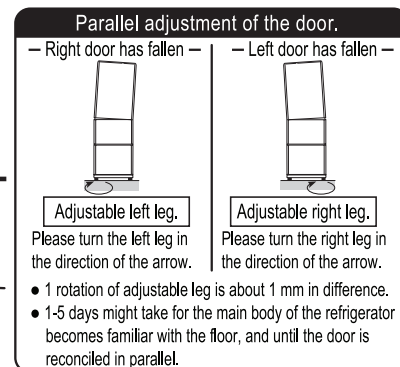
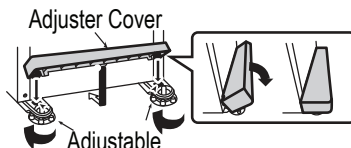
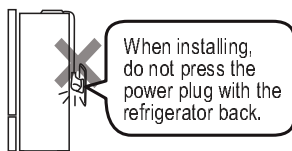
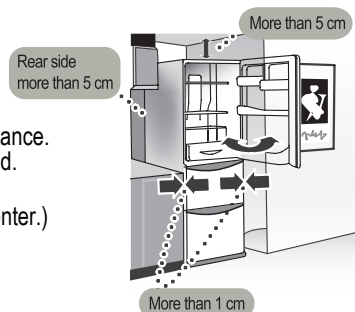


- When replacing lamps (LED) is required. Please contact your dealer or Hitachi Service Center.

# Preparations before Use

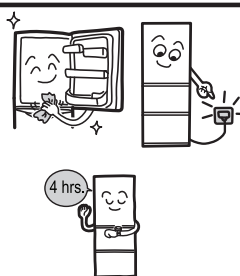
## 1 Installation

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 the room temperature is too low or too high.
  3. Do not install where the refrigerator is exposed to direct sunlight or other heat sources.
  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 5 cm over the top, 5 cm at rear and 1 cm at both sides for proper air circulation is needed.
  6. Ground the refrigerator to prevent electric shock and noise interference. Always ground this refrigerator when using it in places 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 height may not be level, or there may be abnormal vibration or noises depending on floor conditions. Follow the instructions below.
- (1) Turn the adjustable legs until they touch the floor firmly.



## 2 Beginning

1. Cleaning inside the refrigerator. Wipe the surface gently with soft cloth.
2. 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.
3. The compressor will start running in approximately 30 seconds, if inside is not cold.
4. 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.



## 3 Food storage

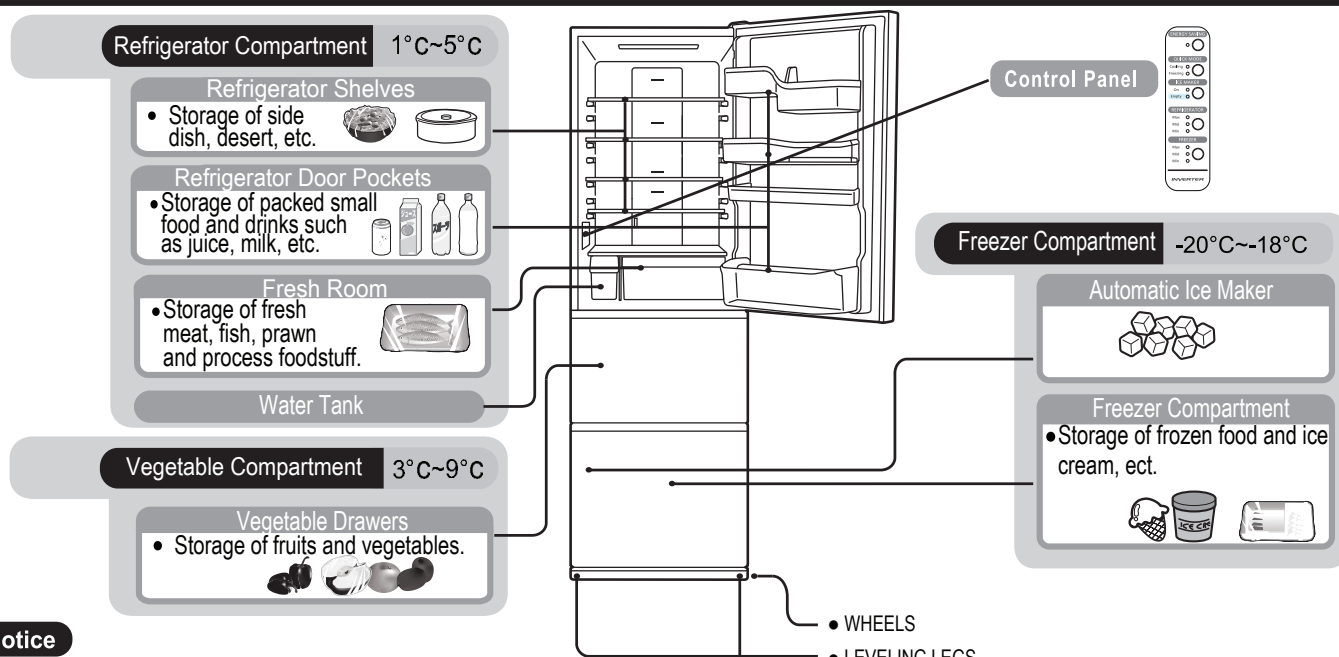
1. Keep enough space between food. Several food placed too close together may obstruct the flow of cold air.
2. Make food cool enough before putting it in the refrigerator.  
Putting warm food in the refrigerator raises the inside temperature and wastes electricity.
3. Do not block the cold air vent. 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 food wrap or sealed containers prevent the food from drying or transition of smells.



perature and wastes electricity.



# Location of Food Storage



### Notice


- Above temperatures are the approximate values in the conditions of outside temperature 32°C, the temperature setting of the refrigerator compartment "Mid", freezer compartment "Mid", doors being closed and without food storage.
- Door pocket temperatures may be little higher than above temperatures.
- The specification of your purchased model may be different from one of the above illustration.
- The allowable average vegetable compartment when testing in standard AS/NZS 4474.1:2007 is 5°C~11°C



# How to Install and Remove parts

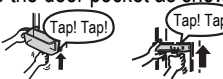
### Adjusting the shelves

- Pull up the back and pull out the shelf forward.
- Set the refrigerator shelves by combining with stored food.




### Door Pocket / Egg Pocket

Remove the door pocket as shown



### Fresh Room


- Remove the "Fresh Room" as shown below. Do not store more than 4.9 kg in the "Fresh Room" or it may be broken.



### Vegetable Compartment


Pull out the vegetable compartment door, and lift up slide case and vegetable case as shown.\*\*\*

1



2


Slide Case



Do not store more than 4.5 kg in the slide case or it may be broken.

3

Vegetable Case



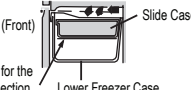
Do not store more than 12 kg in the vegetable case or it may be broken.

\*\*\* If R-door open, can't pull out the Vegetable-case.

### Lower Freezer Case

Lower Freezer Case is for large-sized food and those that need to be stored over an extended time period.

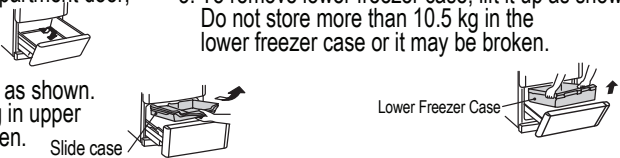
- Make sure food is stored below in the indication line. Otherwise food touches the slide case above and it prevents the door to be closed properly and cooling efficiency suffers. Food and the slide case may be also damaged.



(Front) Slide Case  
Indication line for the food storage section Lower Freezer Case

### Freezer Compartment

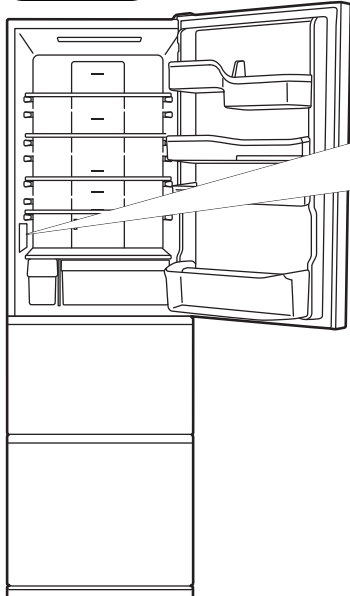
1. Pull out the lower freezer compartment door, and pull up toward you.
2. To remove slide case, lift it up as shown. Do not store more than 8.0 kg in upper freezer case or it may be broken.
3. To remove lower freezer case, lift it up as shown. Do not store more than 10.5 kg in the lower freezer case or it may be broken.



Slide case Lower Freezer Case

# How to use control panel

**Caution** Please close the door of the refrigerator door before changing the setting.



**ENERGY SAVING**

Setting ENERGY SAVING mode

Set energy saving mode → Pg. 6

**QUICK MODE**

Setting QUICK MODE mode

Set a cooling mode

Cooling → Pg. 6

Freezing → Pg. 6

**ICE MAKER**

Setting an ice-maker

Set the ice making mode

"On" → Pg. 9

"Empty" → Pg. 7

**Adjusting temperature settings**

Set temperature for each

Normally, use the "Mid" setting

Refrigerator → Pg. 8

Freezer Compartment → Pg. 8

Display area | For operation

# Other Functions

## 1

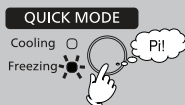
### Quick Freezing/Quick Cooling

**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

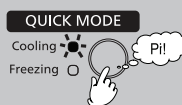
Press button "First time"  
for Start Quick Freezing  
operation, lamp light is on.



After 2 hours (approx.) Quick freezing  
operation will be finished, lamp light is off.

#### 2

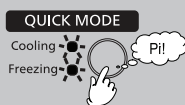
Press button "Second time"  
for Start Quick Cooling  
operation, lamp light is on.



After 90 minutes (approx.) Quick cooling  
operation will be finished, lamp light is off.

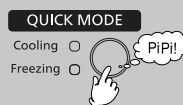
#### 3

Press button "Third time"  
for start two function operation,  
lamp both light is on.



#### 4

Press button "Fourth time"  
for stop two function operation  
lamp both light is off.



#### Notice

- During "Quick Freezing", priority cooling of the freezer compartment will be done. Thus, try to avoid unnecessary 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.

## 2

### 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 Start Energy Saving

Press button to start  
Energy Saving operation,  
light is on.



#### 2 Stop Energy Saving

Press button again to stop  
Energy Saving operation, light is off.



#### Notice

- In case the compartment temperature rises up, the operation will be back to a normal setting (temporary).
- 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.

#### Caution

- If "Energy Saving" operation is working in high humidity environment, dew may appear. Please stop "Energy Saving" operation in this case. "Quick Freezing" will automatically start.

# Other Functions (Continued)

## 3

### Door Alarm Functions\*

If the door is left open for more than 1 minute, the alarm system will inform the user by the sound and all display is blinking

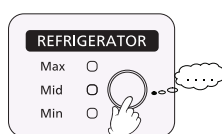
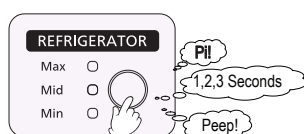
- Door Alarm : Informs by Pipipi sound.

Duration of Door Opening	Door Alarm Sound
After 1 minute	Pipipi
After 2 minute	Pipipipipi
After 3 minute	Beeps continuously

\* Vegetable compartment door has not door alarm functions.

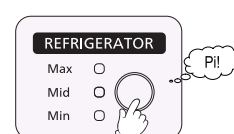
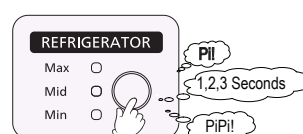
#### To Deactivate Alarm and Sound

1. Keep press "REFRIGERATOR" button for 3 seconds until "Peep" sound is heard. There is no sound when pressing any button (deactivate door alarm sound).



#### To re-activate Alarm and Sound

1. Keep press "REFRIGERATOR" button for 3 seconds until "PiPi!" sound is heard. There is sound when pressing any button (activated door alarm sound).



#### Notice

- Upon shipment, the alarm and sound are activated.
- Unplugging and inserting the power plug or in the event of a power failure the refrigerator will automatically reset the alarm and sound to activated.

## 4

### Tank Empty

"Tank Empty" indicator lamp turns comes on when water in water tank is getting low

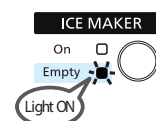
Replenish the water tank with water. While the "Tank Empty" indicator lamp is on, the Ice Making function doesn't work even if the "ON" is set.

#### Notice

"Tank Empty" indicator lamp turns off once (for up to 3 hours) when the left door of the Refrigerator Compartment is opened and closed while the indicator lamp is on, and it turns on again if no water is added to replenish the water tank  
 "Tank Empty" indicator lamp remains off when "OFF" is selected for automatic ice making.

#### Caution

"Tank Empty" may come on regardless of water level if the water tank is not placed properly. Push in the water tank straight and completely if the indicator lamp comes on.



# Other Functions (Continued)

5

## Adjusting temperature in a refrigerator compartment

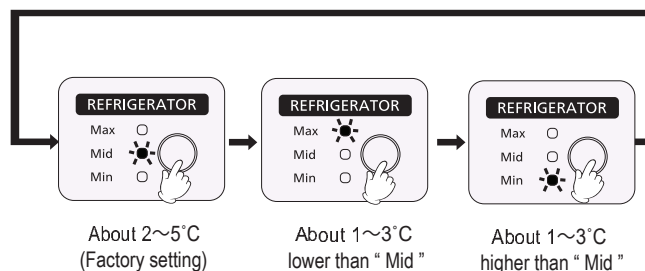
Press button to set the temperature as you like.

Each time you press the button, the corresponding indicator lamp changes in the order shown in the figure on the right.

The temperature is set to "Mid" before shipping.

Select "Mid" in ordinary usage. The temperature may change depending on the operation states.

The above temperatures are standard values in the Refrigerator Compartment under the condition that the refrigerator is stable with no food stored and the door closed, at ambient temperatures of 32°C.



6

## Adjusting temperature in a freezer compartment

Press button to set the temperature as you like.

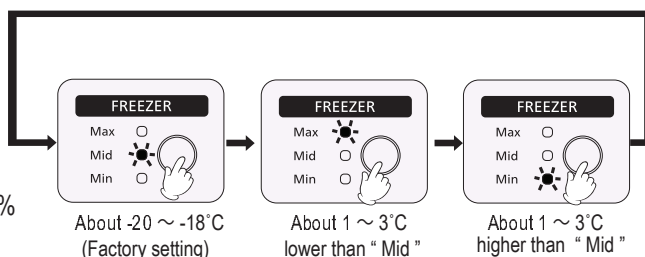
Each time you Press the button, the corresponding indicator lamp changes in the order shown in the figure on the right.

The temperature is set to "Mid" before shipping.

Select "Mid" in ordinary usage. The temperature may change depending on the operation states.

### Notice

For the Freezer Compartment ("Max" Lower temperature freezer), food is stored at a lower temperature than the conventional freezer temperature. The energy consumption is approximately 20% higher than that for the conventional freezer operation.



### Notice

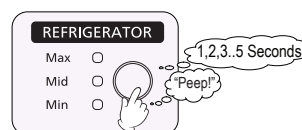
If operating the refrigerator for a long time with the Freezer Compartment "Max" selected, ice cream etc. may become hard or it may take a longer time to thaw food.

7

## Adjustment of the temperature (Refrigerator compartment/ Freezer Compartment)

### To set the fine adjustment of the temperature

- Open the door of freezer compartment.
- Press button "REFRIGERATOR" 5 seconds until 1 "Peep!" sound is heard.
- Close the door of freezer compartment.
- Press button to make as adjustment.



( ■ Lighting ▨ Blinking ■ Turned off )

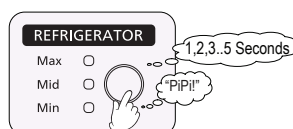
Indication lamp	Max	Mid	Min	Next Min	Min	→	→	→	Normal	→	→	→	Max	Next Max
Max	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Mid	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Min	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Setting	Next Min	Min	→	→	→	Normal	→	→	→	Max	Next Max			

### Cancel the fine adjustment of the temperature.

- Open the door of freezer compartment.
- Press button "REFRIGERATOR" 5 seconds until 1 "PiPi!" sound is heard.

### Notice

- This function is subjected to change according model type.
- Factory setting, the adjustment temperature by normal step.





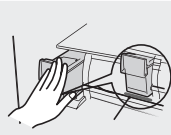
# How to use Automatic Ice Maker

1



Filling the pure water until the "FULL" level then closed by water supply cover.

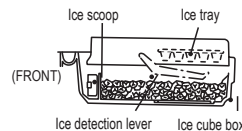
2



Push the tank into the case until it locked at the setting line.

## Notice

- For a first installed, allow 24 hours for the refrigerator to cool down and make ice.
- Ice maker will stop automatically when ice box is full and it will start again automatically when ice cubes in the ice box is reducing or empty.
- It is normal that a noise is generated when ice made or ice dropped into the ice box.

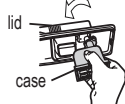


## Caution Using the ice maker for the first time :

- Throw away the first full ice box of Ice cubes. Odor or dust may adhere on it.
- If water tank was dropped, make sure that water is not leaking from the tank.
- Do not fill other liquid, any beverages such as juice, cola, beer etc, into the water tank. Fill with potable water only.
- Do not fill hot water into the tank (Tank Heat-resistance temperature : 50°C).
- Do not put anything, such as frozen food, ice cream other than ice in the ice box.
- Do not touch ice lever detector or ice tray with your hands, you may get injured.
- For ice-maker not intended to be connected to the water supply.

## Water filter

1. Remove the case from the lid by turning it in the direction as shown below.



2. While pressing the knob, remove the water filter from the bottom of the case.



3. Wash the water filter with soft sponge.



- Do not use kitchen soap or bleaching agent.
- The water filter is deform easily; therefore do not stab it with sharp stick.

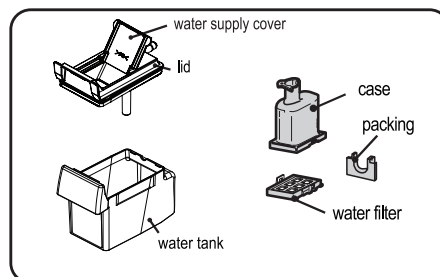
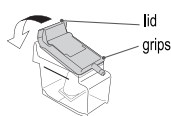
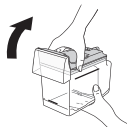
1

## Cleaning the Water Tank

### Notice

- Water Tank should be cleaned every week for reasons of hygiene.
- Using a clean sponge or soft cloth and a neutral detergent in warm water, hand wash, rinse and dry all removable parts and interior surfaces thoroughly.

- As seen in the figure below, press the central front part of the lid to lift it up. (Do not open the lid by nails.)
- To close the lid, make sure that the grips at the back are still holding the lid, then close the lid down in the direction as shown below.



2

## Turning on/off the Automatic Ice Maker Function

First, check the Automatic Ice Maker is in operation.

1. When in operation.



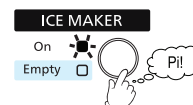
The lamp "ON" lighting.

2. To stop the operation, press the "Ice Maker" button.



The lamp "OFF" lighting.

3. When restarting operation.



The lamp "ON" lighting.

### Notice

- If you do not intend to use the Automatic Ice Maker, turn it off

# Care and Maintenance

## Cleaning (Clean the refrigerator once a month)

1. Unplug the refrigerator.
2. Take out all the food.
3. Wipe the refrigerator clean.
  - Wiping off smudges immediately is highly recommended. It is also recommended to clean the areas of the refrigerator which is not clearly in view once a year.
  - Use soft cloth with lukewarm water to wipe off smudges. If it is difficult to remove smudges, use diluted, ph-balanced washing liquid.
  - Neatly clean the door gasket, because it gets dirty easily.
4. If any droplets remain on the surface of the parts, wipe them.
5. Return all parts to their original locations.
6. Check and clean the power plug, cord and outlet.
7. Plug the power cord into the outlet.

### Caution

- Do not do the following, since parts and paint may be damaged.
1. Do not splash water to the doors and refrigerator body.
    - It may cause electric shock or a fire.
    - It may cause refrigerant leakage because of tube rust.
    - It may result in rusty door surface.
  2. Do not use following : Polishing powder, soap powder, oil, boiling water, brush, acid, benzene, thinner, alcohol and alkaline detergent, etc.
    - It may cause damaged door surface.
    - It may cause cracked plastic parts.
  3. If the cooking oil smears on the refrigerator, please wipe it off immediately. The plastic parts might be cracked.



### Notice

- Even if the power plug is plugged in immediately after being unplugged, the compressor will not run for 10 minutes. However, if the inside is not cold, it will start running in approximately 30 seconds.

## Troubleshooting

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

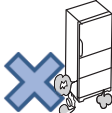
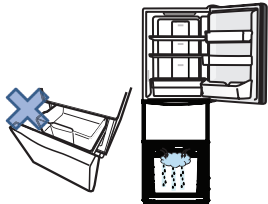

Problem	Things to check	Instructions	Page
The refrigerator does not get cold at all.	<ul style="list-style-type: none"> <li>• Is the refrigerator plugged in properly?</li> </ul>	<ul style="list-style-type: none"> <li>• Check the fuse box for blown fuse or tripped circuit breaker.</li> </ul>	2
The refrigerator does not get cold enough.	<ul style="list-style-type: none"> <li>• Is the refrigerator placed in the direct sunlight?</li> <li>• Is the temperature set to "Min"?</li> <li>• Is the food stored too much?</li> <li>• Is the door slightly opened?</li> <li>• Is the refrigerator placed near heat sources?</li> <li>• Has anything hot been placed in the refrigerator?</li> <li>• Is the door opened and closed too frequently?</li> </ul>	<ul style="list-style-type: none"> <li>• Do not install the refrigerator in a place where it may come in contact with sunlight.</li> <li>• Press "REFRIGERATOR" button to mid or max.</li> <li>• Keep enough space between food.</li> <li>• Should close the door firmly closed.</li> <li>• Do not install the refrigerator in a place where it may come in contact with heat sources.</li> <li>• Make food cool enough before putting in the refrigerator</li> <li>• Do not open &amp; close the door too frequently.</li> </ul>	4 8 4 - 4 4 -
Food in the refrigerator compartment freezes.	<ul style="list-style-type: none"> <li>• Is the temperature set to "Max"?</li> <li>• Do you place food with moisture or vegetables nearby the cold air vent? It will be frozen if it is placed nearby the cold air vent.</li> </ul>	<ul style="list-style-type: none"> <li>• Press "REFRIGERATOR" button to mid or min.</li> <li>• Keep enough space between food, Do not block the cold air vent.</li> </ul>	8 4
Dew appears Outside	<ul style="list-style-type: none"> <li>• When the ambient humidity is too high, the door gasket may have dew. Please wipe it up with dry cloth.</li> </ul>	<ul style="list-style-type: none"> <li>• See content "Dew or frost is generated" .</li> </ul>	11-12
Dew appears Inside	Please wipe it off with dry cloth and please check the details below. <ul style="list-style-type: none"> <li>• Is the door closed firmly?</li> <li>• Is the door opened and closed too frequently or opened for a long time?</li> <li>• Is it too humid outside?</li> </ul>	<ul style="list-style-type: none"> <li>• See content "Dew or frost is generated" .</li> </ul>	11-12
The inside is smelling.	<ul style="list-style-type: none"> <li>• Do you store food with odor without warpping it?</li> </ul>	<ul style="list-style-type: none"> <li>• Using food wrap or sealed containers.</li> </ul>	4
The refrigerator is noisy	<ul style="list-style-type: none"> <li>• Make sure the refrigerator is installed firmly.</li> <li>• Is the refrigerator touching the wall?</li> </ul>	<ul style="list-style-type: none"> <li>• Should be install the refrigerator by following the preparing instruction manual.</li> </ul>	4

# Troubleshooting (Continuation)

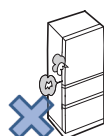


This is not a malfunction of the refrigerator:

Problem	Things to check	Instructions	Page
The surface of the refrigerator is hot.	-	<ul style="list-style-type: none"> <li>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.</li> </ul>	-
If a door is shut, other doors may open.	-	<ul style="list-style-type: none"> <li>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.</li> </ul>	-
Does the refrigerator make any abnormal noises (sound)?	-	<ul style="list-style-type: none"> <li>The sound like water flowing and boiling water is the sound of the cooling liquid (refrigerant).</li> <li>A creaking sound comes from the storage compartment. It is the sound caused by friction of the parts due to temperature change.</li> </ul>	-
There are waving and / or distortions on the door surface, the side and the top surface of the refrigerator.	-	<ul style="list-style-type: none"> <li>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.</li> </ul>	-
Annoying sound is generated by the refrigerator.	-	<ul style="list-style-type: none"> <li>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.</li> </ul>	-
Operation sound lasts long.	-	<ul style="list-style-type: none"> <li>It is because the compressor operates in low-speed for conserving energy</li> </ul>	-
Operation sound sometimes becomes louder.	-	<ul style="list-style-type: none"> <li>It is because the system changes the operating power of the refrigerator according to the temperature change.</li> </ul>	-

## Dew or Frost is generated

General operation	Please check here	Possible causes and / or Recommended solutions
Frost or ice is generated in the freezer compartment	The door of the freezer compartment was not left open temporarily?	<p>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.</p> 
	The door of the freezer compartment was not opened frequently or longer time than necessary?	<p>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 channels. 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.</p> 
	Making extra ice by using an additional ice-tray which was not originally installed in the refrigerator?	<p>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.</p> 

# Dew or Frost is generated(Continuation)

General operation	Please check here	Possible causes and / or Recommended solutions
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.

## 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.



# Service Center

- Before you request repair, please check the refrigerator well according to page number 10-11. If it is still abnormal, please contact the retailer of purchase or the following service center.

## Customer Service Center

Hitachi Australia Pty Ltd  
Locked Bag 2052, North Ryde NSW 1670  
Email: [custserv@hitachi.com.au](mailto:custserv@hitachi.com.au)  
Phone no.: 1800 Hitachi  
1800 4482244  
Web: [www.hitachi.com.au](http://www.hitachi.com.au)  
Monday to Friday business hours 9am – 5pm (AEST)

- 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.



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