INVERTER

Panasonic



Operating Instructions
Refrigerator

For Household Use

Model No.: NR-XY680Y

Contents

- Safety Precautions 2
- Usage Precautions 4
- Highlighted Features 6
- Installation 9
- Parts Identification 13
- Operation Panel 15
- Temperature Control 16
- ECONAVI Operation 19
- nanoe™ X 19
- Quick Freezing 20
- Prime Fresh+ 20
- Prime Freeze 21
- Quick Ice Making 23
- Auto Ice Off and Auto Ice Clean 24
- Child Lock 24
- Wireless LAN 25
- Fridge compartment 26
- Prime Fresh case 29
- Freezer compartment 30
- How to clean the Refrigerator 33
- Panasonic SmartApp+ 41
- Troubleshooting 45
- Specifications 50
- Copyright 51

■ **NON-CFC**
NON-CFC MATERIALS have been used for the refrigerant (R600a) and for the insulation (Cyclo-Pentane), making this product better for the Earth's Ozone Layer.

Thank you for purchasing the Panasonic product.

- Please read these instructions carefully and follow safety precautions on page 2-5 before using this product.
- Please make sure the date and name of store of purchase are stamped in warranty card and keep it with this operating instructions.

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DBD

Safety Precautions

Please be sure to follow these instructions.

WARNING

This sign means: It may lead to a serious injury or death.

These signs mean prohibited action.

This sign means required action.

This sign means the appliance must be earthed to prevent electric shock.

CAUTION

This sign means: It may result in injury or property damage.



iso-butane

Risk of fire / flammable materials.

Otherwise, it may cause a fire, injury, electrical shock.

WARNING

In case of emergency:



- Maintenance work should only be carried out by a qualified technician.

- **Do not** store explosive substances, such as aerosol cans with a flammable propellant, etc. in the refrigerator.
- **Do not** use electrical appliances such as a deodorizer in the refrigerator. Leaked refrigerant may catch fire from a spark of the electrical contacts and may cause an explosion.
- **Do not** use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

- **Do not** disassemble, repair or modify the refrigerator by yourself. If you want to repair the refrigerator, please consult your dealer or authorized service center.
- **Do not** use mechanical device or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

When recycling the product:

- Before taking the refrigerator to be recycled, please remove all the door opening seal to prevent locking a child in it.
- The warning labels mentioned above should be kept throughout the life of the refrigerator.
- The operating instructions should be handed over to any person who would use or handle the refrigerator whenever the refrigerator would be transferred to another location and delivered to a recycling plant.
- In regards to local laws, Cyclo-Pentane is used for insulation of this refrigerator. When you throw away this unit, please discard it by proper method and do not dispose it by burning.

Otherwise, it may cause a fire, injury, electrical shock.

⚠ WARNING

For power plug and cord:

- **Do not** plug or unplug with wet hands.
- **Do not** let the cord or plug be damaged.

- Disconnect power plug when cleaning.
- Only plug into a wall outlet of the correct rated voltage and current, and fully insert the plug on its own.
- Reserve one socket for the refrigerator only. Avoid connecting many appliances to the same socket and and unroll the full length of the cord.
- Remove dust periodically from the power plug.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If you detect burning smell, disconnect the power plug and ventilate the kitchen.
- **Stop** using the refrigerator and unplug the unit immediately if there is an abnormality or failure. Abnormality and failure examples:
  - Power cord or plug is abnormally hot.
  - Power cord is deeply cut or deformed.
  - There is burning smell.
  - You can feel tingling electricity.

When using:

- **Do not** damage the cooling circuit (piping on the back).
- **Do not** touch the compressor and pipes, because of high temperature, that there is a risk of burn injury.
- **Do not** let any children hang onto the refrigerator's door, it may fall and injure the child.
- **Do not** place or store open containers of water on top of the refrigerator. Spilled water can cause electrical shocks or combustion.
- **Do not** place multiple socket-outlets or portable power supplies at the rear of the appliance.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge of using the appliance, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the refrigerator.

When installing:

- Danger can occur when the appliances is unbalanced, make sure the feet are secure and appliance is level.
- When positioning the appliance, ensure the power cord is not trapped or damaged.

- Ensure that the refrigerator is plugged into an earthed mains socket.

Otherwise it may cause injury, accidents.

⚠ CAUTION

When opening / closing the doors:

- While opening the refrigerator, be careful not to pinch other one's hand holding the door.
- Mind the gap between the doors. They may nip your hand while closing the door.



When storing food:

- **Do not** freeze glass bottles, that there is a risk of injury.
  (If the liquid in a glass bottle is frozen, then the bottle may break and you may be injured.)
- **Do not** add a high impact on glass trays. (Otherwise those glass trays may break and you may be injured.)



When moving the refrigerator:

- Hold the refrigerator tightly when transporting.
- Apply protective covering, etc. to floors with a fragile surface.

Usage Precautions

When opening / closing the doors:

- **Do not** refrigerate items which are bigger than tray or shelf, as the door will not close completely causing leakage of cool air.
- **Do not** open refrigerator frequently or leave it open for long time in order to prevent water dripping inside and waste energy.
- Frequently check the door opening seal, it must fully seal to the refrigerator's body.

When cleaning:

- **Do not** clean the refrigerator with chemical substances or liquids. It will cause damage and lead to corrosion on the surface.



Usage Precautions

When using:



- When the plug is disconnected, leave it for 7 minutes before plugging again. If not, the compressor may not work.
- Adjust the temperature according to the actual operating condition for energy saving.
- The humidity inside the fresh case may condense so wipe it with a cloth periodically. Clean the fresh case once a month.
- If you will not be at home for several days and there are nothing refrigerated in the refrigerator, the plug should be disconnected for energy saving. When the refrigerator is not used for several days, it is necessary to take out all remaining food inside the refrigerator, clean and open the doors for a few hours to let the moisture inside the refrigerator dry out, avoiding mold and oxidation of components.
- The outside wall of refrigerator cabinet may sometimes get warm, especially just after installation. This is quite normal, and is due to the built-in Mullion Dryer Pipe which prevents sweating and radiates heat.
- When humidity is high, e.g. during rainy-season, condensation may appear on the surface of cabinet, especially around the door seal gasket. Wipe off the condensed water with a clean cloth.
- **Do not** keep the door open any longer than necessary, particularly in hot, humid weather.
- The top of the refrigerator is made of steel in order to prevent fire caused by external influences. **Do not** put things on top of the refrigerator.

When storing food:



- **Do not** overload the refrigerator. Gaps must be provided between foodstuffs to maintain the cooling effect.
- Store fruits and vegetables in vegetable case, where trapped moisture helps preserve food quality for longer time periods.
- Drinking water and beverage bottles should be sealed to prevent odor contamination.
- Food stuff such as vegetables, fruits and fresh food should be wrapped or packed in a box or storage container before freezing.
- Meat and Fish should be put in the Freezer compartment if you want to store them for an extended period.
- Cover juicy food with tight lids, plastic film or foil.

While using the Panasonic SmartApp+"...

Radio waves from the refrigerator's wireless LAN module may cause interference to other devices. Therefore:

- Individuals with pacemakers must keep at least 15 cm away from the refrigerator.
- The refrigerator must be placed away from medical equipments and automated equipment (automatic doors, fire alarms, etc)

Highlighted Features

■ High-end design suitable for luxury kitchens



- Borderless glass surface with handle with modern design.
- Large refrigerator capacity providing spacious food storage space.
- Design of 4-symmetrical-doors helps to open the doors and take out food more quickly and efficient.

■ Energy saving

- Panasonic's INVERTER technology increases energy saving and reduces noise.
- Panasonic's exclusive ECONAVI technology allows identification of changes in user's lifestyle habits, helping the refrigerator to automatically adjust to reduce energy consumption.
- AI ECONAVI technology saves energy intelligently and efficiently through GPS data. Detect your absence for smart energy saving, detect your location for efficient cooling.

■ Compressor located on top of the refrigerator (Top Unit)

Panasonic's exclusive design moves the compressor from traditional position at the bottom of the refrigerator to the top of the refrigerator, optimizing the space inside the refrigerator.

■ Auto Ice Making system





- The refrigerator is equipped with an Auto Ice making system to meet the demand for ice usage at all times.
- The 5 L large-capacity water supply tank is made of BPA-free and antibacterial material that is safe for health.
- There is a Quick Ice Making mode.
- There is an Auto Ice Off mode to stop ice making and Auto Ice Clean mode to automatically clean the ice maker.
- Ice box is designed with an Customized divider to flexibly adjust the storage space inside the Ice box for your usage.

■ nanoe™ X technology and Ag Clean



Panasonic's exclusive nanoe™ X technology and Ag Clean help to deodorize and neutralize bacteria, keeping food fresh for longer.

■ Independent Prime Fresh (Prime Fresh 1 and Prime Fresh 2) and Prime Fresh+



- The temperature of Prime Fresh cases can be changed from -5 °C ~ 4 °C(*).
  - Temperature -5 °C ~ -1 °C: Soft freeze temperature for food preservation, which helps to save time and effort in defrosting food, while keeping their flavor and freshness for longer.
  - Temperature 0 °C ~ 4 °C(**): Same as Fridge compartment temperature when you want more space for food preservation in the Fridge compartment.
- The large-capacity Prime Fresh case helps to store more food and comfortable for big-size of foodstuff.
- Two separate Prime Fresh cases with independent temperature control help preserving food better, avoiding odor influence and cross-contamination. In addition, similar-sized foods can be stored in the same Prime Fresh case, to adjust the appropriate temperature accordingly, avoiding the case that the food is not frozen enough or too frozen.
- Independent Prime Fresh case makes it easier to remove and clean. (Refer to Page 37)
- Saving energy as you can use Prime Fresh case without opening the whole Fridge compartment.

(*) The default temperature setting of Prime Fresh cases is -3 °C.

(**) Depending on the type of food, such as a large block of meat or a large fish, the storage conditions and the ambient temperature, the cooling performance may be effected. In this case, the temperature of Prime Fresh cases should be set to the lowest temperature -5 °C.

■ Prime Freeze





- Freezing fresh or prepared food quickly according to each mode, while keeping their fresh taste.
- Prime Freeze case includes the following modes:
  - Cool Down in 3 minutes and 5 minutes
  - Quick Cooling in 10 minutes and 15 minutes
  - Rapid Freezing in 45 minutes and 60 minutes
- Depending on the purpose of food processing and the type of food, it is possible to choose from and apply different modes.
- To adjust the time of the modes of the Prime Freeze, refer to the application “Panasonic SmartApp+”. The application allows to adjust the time by minute, create and save the Prime Freeze modes fluently used in My list section.

■ Fresh Safe vegetable case



The large-capacity Fresh Safe vegetable case is equipped with a Moisture control filter, which keeps vegetables fresh and prolongs their shelf life.

■ **New Slide glass tray with tempered glass and Wine rack**

- The adjustable Slide glass tray in the Fridge compartment allows flexibility in food storage capacity.
- New design of Wine rack made from luxurious alloy providing the convenience for keeping cool the wines and bottles inside the refrigerator.

■ **External water dispenser**



ANTI BACTERIA
BPA FREE

- Allow users to get cold water without opening the refrigerator door.
- The 4 L large-capacity Water tank is made of BPA-free, antibacterial material that is safe for health.

■ **Quick Freezing**

Quick Freezing makes the temperature in the refrigerator cool down quickly, so as to retain the foodstuffs original flavor.

■ **Convenient Operation Panel**



- It is possible to adjust the temperature and modes of the Fridge compartment, the Prime Fresh case, the Freezer compartment and the Prime Freeze case according to the user's intended purpose.
- The Fridge compartment and Freeze compartment have doors alarm to remind closing the refrigerator doors.
- The LED display and Operation Panel appear clearly and easy to use.
- There is a Child Lock mode.
- There is a Remote-controlled mode.

■ **Control the Refrigerator through the smart application "Panasonic SmartApp+"**



- "Panasonic SmartApp+" is a Remote-controlled smart application that makes it easy to adjust the setting status of your refrigerator through wireless LAN connection and operation on the smartphone. (Refer to Page 25)
- To use the refrigerator features conveniently through this application, please refer to Page 41 and refer to the "Panasonic SmartApp+" application manuals posted on the Panasonic website as the link on Page 43 .

Installation

The distance required for installation

5 cm

- The top of the refrigerator is at least 5 cm from the ceiling.



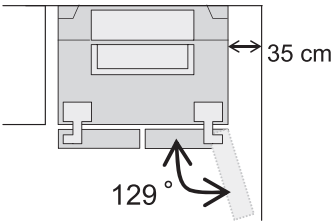
5 cm

- The left and right sides of the refrigerator are at least 5 cm from the walls.

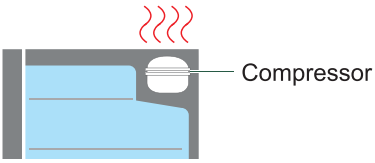
- The back of the refrigerator is at least 5 cm from the wall.

Caution

- In case the refrigerator is placed near to walls, it is necessary to ensure that the space between the left or right side of the refrigerator and the wall is at least 35 cm. If this space is less than 35 cm, the doors may not be fully opened and the glass trays, vegetable case, etc. could not be taken out.



- Do not place any objects on top of the refrigerator. It may become hot due to heat generated by the compressor at the top of the refrigerator. If it is difficult to release heat, the cooling capacity may be lowered.



- When using for the first time: clean the inside of the refrigerator.
  - Use a soft damp cloth to clean the refrigerator.
  - Rinse the Water tanks, Water filters and Ice trays.
  - The smell of plastic could be smelt during the first time using the refrigerator. If the smell is a concern, it is recommended to ventilate the room.
- **Do not** place the refrigerator in a humid place as rust may form and may cause electric leakage.
- **Do not** place the refrigerator exposing to direct sunlight as the heat and sunlight will increase the temperature affecting the cooling capacity.
- **Do not** place the refrigerator near heat sources such as cooking stove or oven.
- **Do not** block the openings around the refrigerator.
- The refrigerator must be placed in an area where there is good air circulation.
- If the refrigerator is to be placed on an uneven surface, please adjust the adjuster bolts to ensure that the refrigerator is stable.

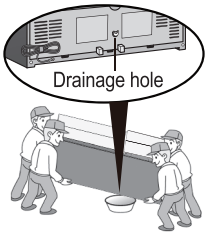
LED lamp and grounding

- The refrigerator LED lamp, specifically designed for this refrigerator. Do not replace it by yourself. If the LED lamp needs to be replaced, please contact Panasonic service center.
- If there is no grounding wiring plug in the refrigerator, it should be connected with a grounding connection to prevent electrical hazards from electrical leakage.

Moving or transporting

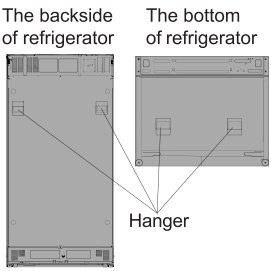
※ **Before moving and transporting**

1. Remove any food items and dispose of any ice cubes or water that remain in the refrigerator.
2. Unplug the refrigerator.
3. Adjust the adjuster bolts (left and right) so that they do not touch the floor.
4. Place a container underneath the drainage hole, then slowly tilt the refrigerator backward to drain water from the drainage hole. This action requires 4 or more people, of which 2 people lift the front of the refrigerator to prevent the refrigerator from sliding and avoiding the risk of accidents.



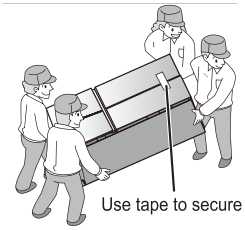
※ **How to move and transport**

- At least 4 people are required to transport the refrigerator.
- Each person lifts a corner of the refrigerator, 2 people lift the backside of the refrigerator and 2 people lift the bottom of the refrigerator so that their hands are on the hanger positions of the backside and bottom of the refrigerator.
- Do not transport by holding the refrigerator doors.



Caution

- It is recommended to use the hangers when moving and transporting.
  Do not carry the refrigerator horizontally to avoid the risk of danger due to the heavy weight.
- When transporting, use tape to secure the refrigerator doors and avoid letting the doors open by itself.
- Do not place the refrigerator on its side when transporting, as this may cause damage to the refrigerator.
- After installation, wait at least 4 hours before plugging in the power to ensure that the gas and oil in the compressor are in a stable state.



When the left/ right doors are deviated (or the height is not the same)

Turn the adjuster bolt on the lower side, as shown in Image 1, in order to adjust the level. The Fridge / Freezer doors may tilt within four to five days after installation due to the load of the food or adaptation to the floor surface, turn the corresponding adjuster bolt with the dedicated tool to adjust and level the door again to restore.

If the Fridge doors are still deviated after adjusting the adjuster bolts as above, continue to use Washers A[*1] as shown in Image 2 to adjust the height of Fridge door.

1. Determine the deviation between Fridge doors.
2. Select Washer A[*1] with appropriate thickness(1 mm, 1.5 mm or 2 mm).
3. Lift and hold the lower Fridge door.
4. Fit a Washer selected in step 2 into the hinge position of the lower Fridge door.
5. Check the balance again between the Fridge doors.

In case Freezer doors are deviated, use Washers B[*2] and apply the same steps as Fridge doors.

[*1] Washer is used for Fridge doors adjustment.
[*2] Washer is used for Freezer doors adjustment.

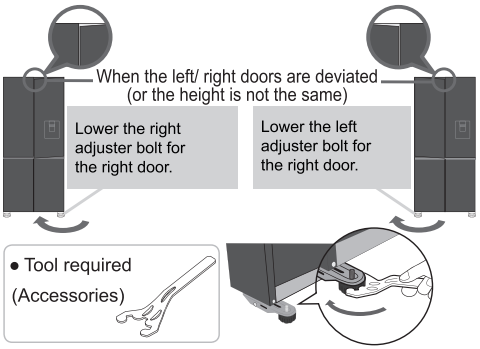


Image 1

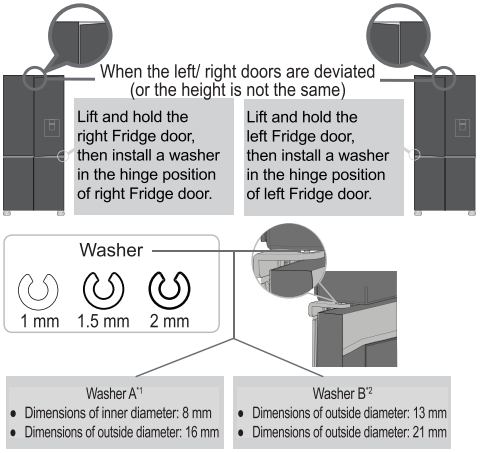


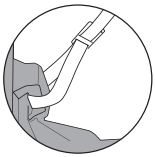
Image 2

Remark

- Use only one Washer for this purpose. Two or more Washers may slip out or make rubbing sound.
- Use the correct Washers for the Fridge / Freezer doors adjustment.
- Do not lift the door too high. The door can touch and damage the top cover.
- Keep Washers out of reach of children.
- Keep the remaining Washers for future use.

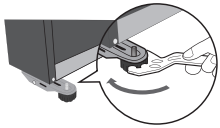
Have any measures been taken against tipping due to earthquakes?

In order to prevent the refrigerator from tipping due to earthquakes, permanently fix it by using belts, etc.



Fix the refrigerator.

Turn the adjuster bolts (right and left) until they reach the floor to stabilize the refrigerator.



Refrigerator doors should not be opened during the interior cooling process.

The doors should not be opened until the interior has been cooled down sufficiently.
(Warm air flowing into the interior
will block the cooling function.)



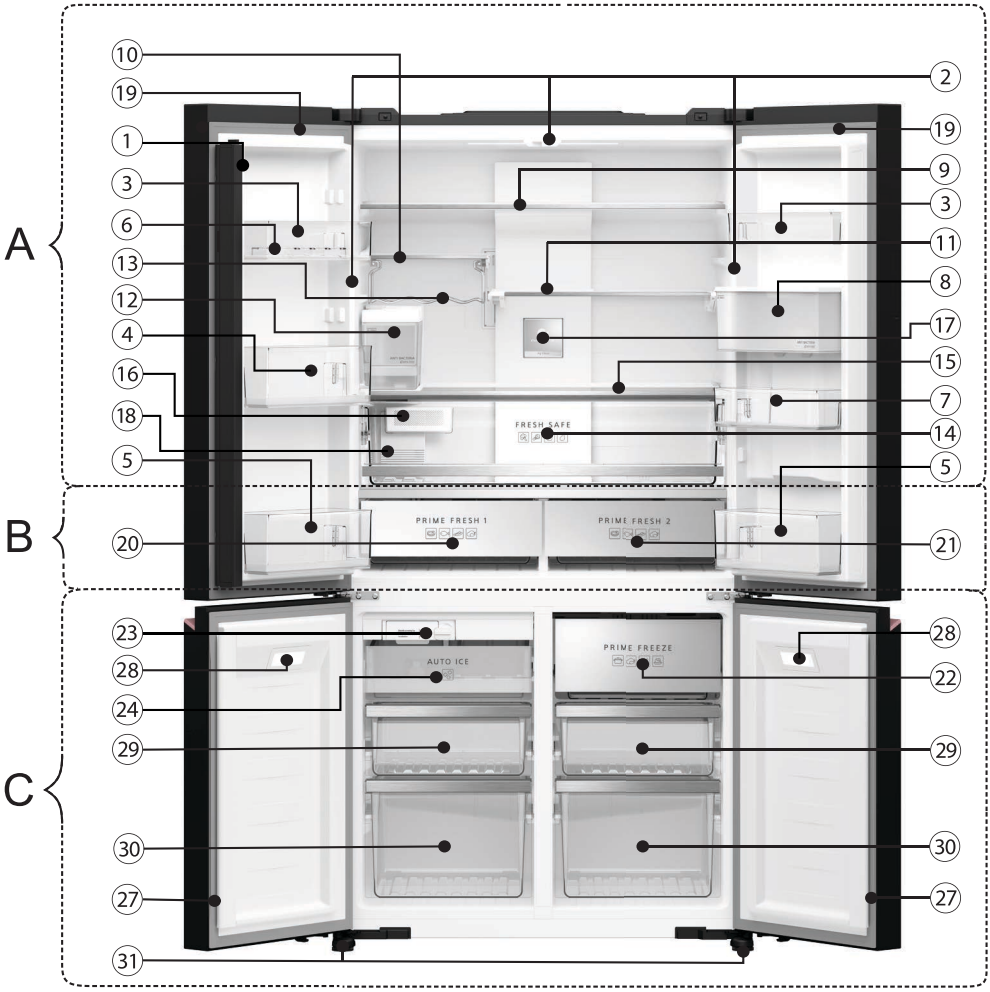
Please wait until the interior has cooled down.

- The refrigerator may take at least 4 hours (or longer especially in summer when the ambient temperature is high) of continuous running to cool down the interior, in the condition of no food items inside and the doors are not opened.
- Depending on ambient temperature and usage condition, it may take 24 hours to cool down the interior and achieve the correct temperatures.

Parts Identification

Left door

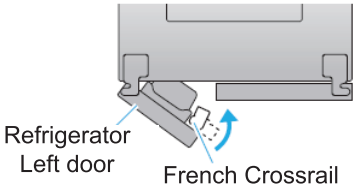
Right door



Parts Identification

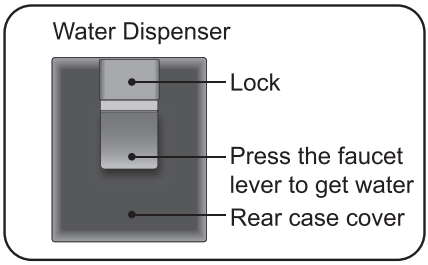
A-Fridge compartment

① French Crossrail
The French Crossrail minimizes the gap between the left door and the right door of the refrigerator. If this French Crossrail is opened forward, put it back into place.
(Otherwise, the refrigerator doors cannot be closed fully, causing the refrigerator to lose cool air.)



② LED of Fridge compartment (Quantity: 3 pcs)
③ Small door shelf (Quantity: 2 pcs)
④ Large door shelf
⑤ Bottle shelf (Quantity: 2 pcs)
⑥ Egg tray
⑦ Utility shelf
⑧ Water tank of Water Dispenser
⑨ Large glass tray of Fridge compartment
⑩ Small glass tray of Fridge compartment
⑪ Slide glass tray
⑫ Water tank of the Auto Ice maker
⑬ Wine rack(*)
⑭ Vegetable case
⑮ Glass tray of Vegetable case
⑯ Moisture control filter for Vegetable case
⑰ nanoe™ X
⑱ nanoe™ X device
⑲ Door gasket of Fridge compartment (Quantity: 2 pcs)

(*)The position of the Wine rack is not fixed and flexible to the purpose of use.
(Refer to Page 27)

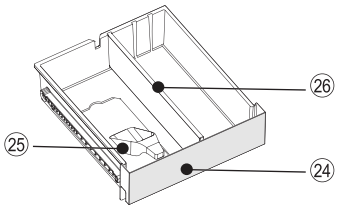


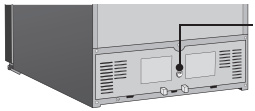
B-Prime Fresh

⑳ Prime Fresh case 1
㉑ Prime Fresh case 2

C-Freezer compartment

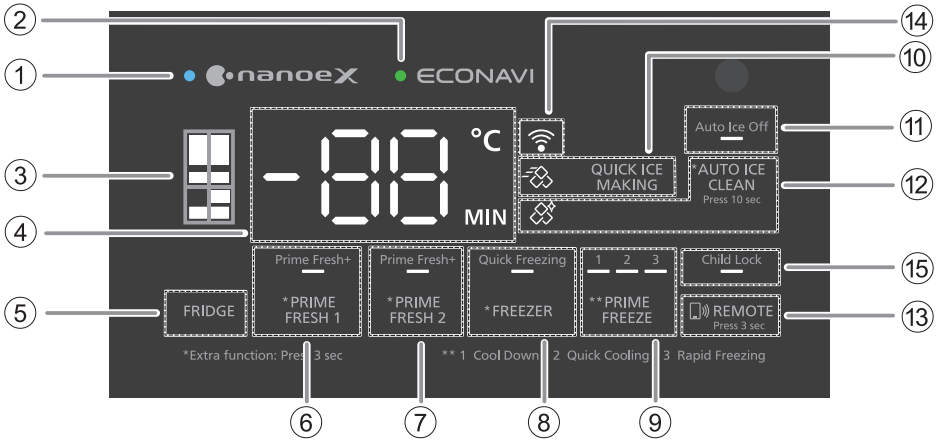
㉒ Prime Freeze case
㉓ Auto Ice maker
㉔ Ice box
㉕ Ice scoop
㉖ Customized divider
㉗ Door gasket of Freezer compartment (Quantity: 2 pcs)
㉘ LED of Freezer case (Quantity: 2 pcs)
㉙ Upper Freezer case (Quantity: 2 pcs)
㉚ Lower Freezer case (Quantity: 2 pcs)
㉛ Adjuster bolts





Product view from behind

Operation Panel



① Icon and LED of nanoe ™ X: display the current status of nanoe™ X mode.
② Icon and LED of ECONAVI: display the current status of ECONAVI operation.
③ LED of compartments: the icon of the respective compartment will light up when the compartment is selected.
④ Temperature and time display area: display the temperature of Fridge compartment, Freezer compartment, Prime Fresh case 1, Prime Fresh case 2 and the time for modes of the Prime Freeze.
⑤ Temperature control button of Fridge compartment.
⑥ Temperature control button of Prime Fresh case 1 and LED of Prime Fresh+.
⑦ Temperature control button of Prime Fresh case 2 and LED of Prime Fresh+.
⑧ Temperature control button of Freezer compartment and LED of Quick Freezing.
⑨ Temperature control button and LED for modes of Prime Freeze.
⑩ Control button and LED of Quick Ice Making.
⑪ LED of Auto Ice Off.
⑫ Control button and LED of Auto Ice Clean.
⑬ Control button of wireless LAN connection.
⑭ LED of wireless LAN connection.
⑮ LED of Child Lock.

Remark

- On the Operation Panel: “*Extra function: Press 3 sec”, means that you need to press and hold the button beginning with “*” mark for 3 seconds when you want to start the extra functions.
- Under normal conditions, the Operation Panel light will turn off. When you press the buttons, the Operation Panel light will turn on. The Operation Panel light will turn off and all the buttons will not operate when the refrigerator door is opened.
- In summer, when the temperature is high, if you put uncooled food in the refrigerator or open/close the refrigerator doors repeatedly, the temperature inside will increase and the displayed value will be higher than the setting temperature. Therefore, it is necessary to reduce doors opening times.

Operation Panel

- When first plugged in, the Operation Panel will display the introduction of modes and the temperature of compartments for about 10 seconds. Buttons will not be active during this period of time. After 10 seconds, the Operation Panel can be adjusted normally.
- When cleaning the door surface of refrigerator, lock the Operation Panel by Child Lock mode to prevent unintended adjustment to the button on Operation Panel, please refer to Page 24.
- When connecting to wireless LAN, 3 buttons: “Prime Fresh 2”, “Auto Ice Clean” and “Quick Ice Making” on the Operation Panel will not work. The others “Fridge”, “Prime Fresh 1”, “Freezer”, “Prime Freeze” and “Remote” will work for wireless LAN connection mode. Please complete or cancel the wireless LAN connection mode to use the Operation Panel normally. (Refer to Page 25)

Temperature Control

- Default setting temperature for Fridge compartment is 4 °C, Prime Fresh case 1 and Prime Fresh case 2 is -3 °C and Freezer compartment is -20 °C. The temperature setting for each compartment can be adjusted.
- The temperature setting range of the Fridge compartment is 1 °C ~ 7 °C, the Prime Fresh case is -5 °C ~ 4 °C (the temperature for soft freezing is -5 °C ~ -1 °C, and the temperature to use the Prime Fresh case as the Fridge compartment is 0 °C ~ 4 °C), the Freezer compartment is -23 °C ~ -15 °C.
- The temperature inside the refrigerator will vary depending on the ambient temperature, installation status, usage conditions and amount of food.
- Due to different testing methods and tools, the actual temperature may differ from the displayed temperature.
- This refrigerator is equipped with a processor to control the temperature inside the refrigerator. When the ambient temperature changes, the compressor runs or stops, the doors are opened or closed, the temperature inside the refrigerator and the temperature setting will have a slight difference.

■ **Temperature setting instructions**

1. Display the current temperature

Press the following icons to display the current temperature of these compartments: Fridge compartment, Prime Fresh case 1, Prime Fresh case 2, and Freezer compartment. The LED lights will indicate selected compartment and temperature when selected.

Icon	Compartment	LED indicates position of the compartment	LED indicates temperature of the compartment
FRIDGE	Fridge compartment		
* PRIME FRESH 1	Prime Fresh case 1		
* PRIME FRESH 2	Prime Fresh case 2		
* FREEZER	Freezer compartment		

Temperature Control

2. Temperature setting

After pressing the icon of compartment (Fridge, Prime Fresh 1, Prime Fresh 2, Freezer) to display the current temperature, press again to start the temperature setting process. Then, LED indicates position of the compartment and LED indicates temperature of the compartment will flash.
Continue to press the icon of that compartment to select the desired temperature level. Each time the button is pressed, the temperature will increase by 1 °C within temperature setting range of the compartment. If the selection exceeds the compartment temperature range, the Operation Panel will display the temperature return to the lowest level in the above range.

3. Complete temperature setting

After completing the temperature setting, press another button to finish or wait for 5 seconds, the Operation Panel will save the setting that you have just made.

■ **How to operate "Fine Adjustment" mode**

This refrigerator is specially designed for specific purposes, which can adjust the temperature to 13 levels for the Fridge compartment and 17 levels for the Freezer compartment, details are as follows:

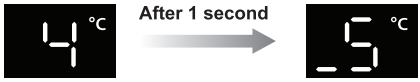
To adjust the temperature of the Fridge compartment

1. Press the [FRIDGE] button to start the process.
2. Continue to press the [FRIDGE] button to set the temperature to 7 °C.
3. To operate "Fine Adjustment" mode, press and hold the [FRIDGE] button for 10 seconds or until a notification sound is heard.
4. The temperature can be adjusted to 13 different levels by pressing the [FRIDGE] button. With each push of the button, the temperature will increase by 0.5 °C within temperature setting range of the Fridge compartment. If the selection exceeds the Fridge compartment temperature range, the Operation Panel will display the temperature return to the lowest level in the above range.

LED Display table

Cooling level / Step	Minimum → Maximum												
	1	2	3	4	5	6	7	8	9	10	11	12	13
LED Display	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0

The setting value will be displayed in 2 steps, from integer part to decimal part respectively.
For example: Display of the set temperature 4.5 °C.
First, the Operation Panel displays the integer part as 4 °C, and change to display decimal part as _5 °C after 1 second.



This process will repeat until the screen turns off or touches another button.

To reset the setting "Fine Adjustment" mode of the Fridge compartment
Repeat steps 1 ~ 3 to return the Fridge compartment to normal operating mode.

Temperature Control

To adjust the temperature of the Freezer compartment

1. Press the [FREEZER] button to start the process.
2. Continue to press the [FREEZER] button to set the temperature to -15 °C.
3. To operate “Fine Adjustment” mode, press and hold the [FREEZER] button for 10 seconds or until a notification sound is heard.
4. The temperature can be adjusted to 17 different levels by pressing the [FREEZER] button. With each push of the button, the temperature will increase by 0.5 °C within temperature setting range of the Freezer compartment. If the selection exceeds the Freezer compartment temperature range, the Operation Panel will display the temperature return to the lowest level in the above range.

LED Display table

Cooling level / Level	Minimum → Maximum																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LED Display	-23.0	-22.5	-22.0	-21.5	-21.0	-20.5	-20.0	-19.5	-19.0	-18.5	-18.0	-17.5	-17.0	-16.5	-16.0	-15.5	-15.0

The setting value will be displayed in 2 steps, from integer part to decimal part respectively.
For example: Display of the set temperature -20.5 °C.
First, the Operation Panel displays the integer part as -20 °C, and change to display decimal part as _5 °C after 1 second.



This process will repeat until the screen turns off or touches another button.

To reset the setting “Fine Adjustment” mode of the Freezer compartment

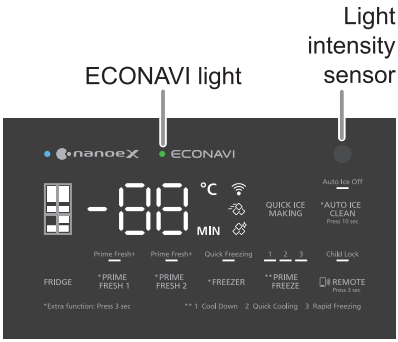
Repeat steps 1 ~ 3 to return the Freezer compartment to normal operating mode.

Remark

- Prime Fresh case do not have “Fine Adjustment” mode.
- The “Fine Adjustment” mode can not be set through the “Panasonic SmartApp+” application.
  When “Fine Adjustment” mode is being set, the temperature displayed on the “Panasonic SmartApp+” application will always be the average temperature (Fridge compartment is 4 °C; Freezer compartment is -20 °C) and if “Panasonic SmartApp+” is used to adjust the temperature of the Fridge compartment or Freezer compartment, the “Fine Adjustment” mode will exit and return to normal operation.
- ECONAVI Operation will not work when “Fine Adjustment” mode is being set.

ECONAVI Operation

The refrigerator detects the opening and closing of the refrigerator door and the brightness around the refrigerator to control operations automatically to ensure maximum energy saving.(*)



■ **ECONAVI Operation**

- The refrigerator learns the lifestyle patterns of your family from door opening and time periods of infrequent use to maximize energy efficiency.
- The refrigerator learns your lifestyle patterns from the previous 3 weeks of use and uses that data from the 4th week onwards.
- The refrigerator performs the ECONAVI energy saving operation when it becomes dark around the refrigerator such as in the night.

■ **Settings for enabling ECONAVI Operation**

- ECONAVI Operation is enabled automatically when the temperature control for both the Fridge compartment and the Freezer compartment is set to 4 °C and -20 °C, respectively.
- ECONAVI Operation does not operate if the “Quick Freezing”, “Prime Freeze” or “Quick Ice Making” mode is in operation.
- It is not possible to force start the ECONAVI mode.

Remark

(*) The effectiveness of the ECONAVI mode is dependant on the ambient temperature, ambient brightness and the number of times the refrigerator door is opened and closed and the state in which food is stored.

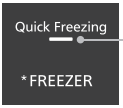
nanoe™ X

- A nanoe™ is a nano-sized ion particle coated with water particles. nanoe™ X are nano-sized electrostatic atomized water particles with 10 times the OH radicals of nanoe™.
- nanoe™ X will start when the refrigerator is plugged in and always run when the refrigerator is in use. However, nanoe™ X requires moisture when operating, the effectiveness of this mode will be reduced if the humidity inside the Fridge compartment is reduced (such as when storing a few of vegetables, or tubers).
- The nanoe™ X device may cause a small sound during operation.
- After the doors have been closed a long time, when open the doors of the refrigerator, it is possible to smell the odor of ozone generated during nanoe™ X operation, this is a normal phenomenon.

Quick Freezing

When “Quick Freezing” is set, the refrigerator will reduce the temperature quickly for better performance of preserving food.

■ **How to operate the “Quick Freezing” mode**



Light is on: Quick Freezing is operated.
Light is off: Quick Freezing is not operated.

- Press and hold the “Freezer” icon for 3 seconds to start the Quick Freezing. Then, the light below the “Quick Freezing” icon will turn on.
- If you want to stop the Quick Freezing operation immediately, press and hold the “Freezer” icon for 3 seconds until the light turns off.

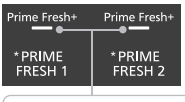
Remark

- The “Quick Freezing” operation will stop automatically after running for 150 minutes and return to normal mode. (The light LED [Quick Freezing] turns off.)
- The flashing LED [Quick Freezing] means that the defrosting system is currently working. The “Quick Freezing” mode will start right after the defrosting operation is finished.
- The temperature of the Freezer compartment will return to its previous setting when the Quick Freezing mode ends.
- The following modes will be stopped when Quick Freezing is turned on: “Prime Fresh+”; “Quick Ice Making”; “Prime Freeze”.

Prime Fresh+

When “Prime Fresh+” is set, the Prime Fresh case will reduce the temperature quickly for better performance of preserving food.

■ **How to operate the “Prime Fresh+” mode**



Light is on: Prime Fresh+ is operated .
Light is off: Prime Fresh+ is not operated.

- Press and hold the “Prime Fresh 1” or “Prime Fresh 2” icon for 3 seconds to start Prime Fresh+. Then, the light below the “Prime Fresh+” icon will turn on.
- If you want to stop the Prime Fresh+ immediately, press and hold the “Prime Fresh 1” or “Prime Fresh 2” icon for 3 seconds until the light turns off.

Remark

- “Prime Fresh+” will stop automatically after running for 105 minutes (when the ambient temperature is 18 °C or less) or between 145 ~ 150 minutes (when the ambient temperature is higher than 18 °C) and return to normal mode. (The LED [Prime Fresh+] turns off.)
- The flashing LED [Prime Fresh+] means that the defrosting system is currently working. “Prime Fresh+” will start right after the defrosting operation is finished.
- The temperature of the Prime Fresh case will return to its previous setting when “Prime Fresh+” ends.
- The following modes will be stopped when Prime Fresh+ is turned on: “Quick Freezing”; “Quick Ice Making”; “Prime Freeze”.
- “Prime Fresh+” will not start when the temperature of the Prime Fresh case is being set at 0 °C ~ 4 °C.

Prime Freeze

Prime Freeze is a separate area located inside the Freezer compartment. This compartment is equipped with an individual fan system and high-class aluminum heat transfer plate, and modes to adjust the cooling time according to each food processing purpose in order to support the user in preparing dishes in a variety of way and save time.

■ **How to operate Prime Freeze**

1. Press the icon of the Prime Freeze compartment on the Operation Panel. Then, the LED indicates position of the compartment, the LED indicates mode 1-2-3(*) and the LED indicates operating time(**) of the Prime Freeze will turn on when selected.

Icon	Compartment	LED indicates position of the compartment	LED indicates mode 1-2-3	LED indicates operating time
**PRIME FREEZE	Prime Freeze			

(*) LED indicates mode 1-2-3:
- If the previous setting has not run out of time, the light will display the previous setting mode.
- If there is no time left from the previous setting, all LED indicates mode 1-2-3 will turn off.

(**) LED indicates operating time:
- If the previous setting has not run out of time, the remaining minute value will be displayed.
- If there is no time left from the previous setting, the minute value will be displayed as “--”.

2. If you continue to press the icon of the Prime Freeze compartment, the LED indicating the compartment position will flash. After this step, if the previous setting has not run out of time, the minute value will be cleared and displayed back to “--”. Press the icon of the Prime Freeze until the desired mode is selected. Each time the button is pressed, the LED displays the operating time in each respective mode.

3. Complete the setting
   After completing the temperature setting, press any other button to finish or wait for 5 seconds, the Operation Panel will save the setting that you have just made.

4. End mode
   After the setting time of a mode running out, the Operation Panel will display the time back to “0” and there will be a notification sound. The notification sound will repeat every 2 minutes for 6 minutes, until you press the “Prime Freeze” icon on the Operation Panel or when the Freezer compartment door is opened. If you do not take food out immediately after the end of the mode, your food may be frozen more than desired.

■ Modes of Prime Freeze

Mode name	Display	Purpose of food processing	Mode (Unit: Minute)	Recommended type of food	Remark
Cool Down 1 Cool Down	1	Cooling down quickly the warm/hot food	3	• Rice (150 g) • Potato salad (150 g)	- Do not cover the box with lid or food wrapper to ensure the effectiveness of Cool Down. If you are concerned about the smell of your food, you can use a lid or food wrapper to cover it, but the food may not be cold enough. - 5 minutes is the estimated time for 1 lunch box (about 150 g of rice) or 200 g of prepared food. If the amount of food is larger, it may take longer to cool down. - Quick Cooling can be used to cooling down over 200 ml of formula milk within 10 minutes. - After cooling down the formula milk with Cool Down, it is necessary to check the temperature of the formula milk before giving it to the baby.
			5	• Rice (300 g) • Potato salad (300 g) • Formula milk (100 ml) • Soup (150 ml)	
Quick Cooling 2 Quick Cooling	2	Cooling food quickly to save time for preparing food and desserts.	10	• Curry (200 g) • Fish (100 g) • Pudding (2 pieces) • Jelly (2 pieces)	- For ingredients that need to be marinated or seasoned such as meat, fried/grilled fish, soy-marinated eggs, etc., put the ingredients and spices into sealed containers/bags. The ingredients will burst with flavor during the cooling process. - For fresh meat, fish, and shrimp that may be difficult to slice/cut, the slicing/cutting will be easier after placing them in Quick Cooling mode. - Use aluminum or metal cups for jelly or desserts. With ceramic or porcelain containers, food may not be cold enough. - This mode can be used to cool beverages quickly.
			15	• Curry (400 g) • Chicken drumstick (250 g) • Pudding or Flan (4 pieces) • Jelly or cakes made from gelatine (4 pieces)	
Rapid Freezing 3 Rapid Freezing	3	Freezing rapidly prepared dishes to ensure the preservation of prepared foods and save time for every day cooking.	45	• Beef (150 g) • Steamed vegetables (1 bunch of broccoli) • Vegetables (250 g of sliced cabbage) • Fried chicken (250 g for 2 people) • Sherbet (300 ml) • Bread (2 pieces)	- Cover fresh food and steamed vegetables with food wrapper, freezer bags or cover with tight lids. - Fried foods (e.g. fried chicken, fried shrimp/squid, spring rolls,...) should be placed onto an aluminum tray and use “Rapid Freezing”. After freezing the food, put them into freezer bags or containers for storage. - This mode can be used to freeze some fruits such as strawberries, lychees, berries,... for long-term preservation.
			60	• Jellied meat (350 g) • Half of a chicken (500 g) • Beef (250 g) • Cubed ice (1 tray)	

Prime Freeze

Remark

- Always place food on the aluminum heat transfer plate for the best effectiveness of cooling.
- When hot or wet food is placed on the aluminum heat transfer plate without a lid or food wrapper, the surface of the food may be frozen and the inside of Freezer compartment may be frosted. If you are worried, please use lids or food wrapper.
- If cooked food is still at a high temperature, it should be cooled down to about 70 °C before putting in the Prime Freeze case.
- Leaving a glass bottle or can inside the compartment may pose a risk of broken, cracking, or damage.
- Do not place the food which is higher than the height of the Prime Freeze case to avoid the risk that the Prime Fresh case does not close completely, causing frost and damaging food or food containers in the room.
- Do not touch the metal food container directly with wet hands, as there is a risk of frostbite.
- During the operation of Prime Freeze:
  - ECONAVI operation will be stopped.
  - The noise from the fan will be louder.
  - The power consumption will be higher than normal.
  - If Quick Ice Making, Quick Freezing, Prime Fresh+ are set, Prime Freeze will be stopped.
  - The flashing of [Prime Freeze] LED means that the defrosting system is currently working. “Prime Freeze” will start right after the defrosting operation is finished. This is a normal phenomenon.
- When Prime Freeze is not in use, this case can also be used as any other position in the Freezer compartment.
  - Small foods can be stored for easier finding.
  - The temperature in this room may be higher than the temperature in the entire Freezer compartment. For long-term preservation, please transfer food to the Freezer compartment.

Quick Ice Making

When setting Quick Ice Making, the refrigerator will increase its capacity to reduce ice making time.

■ **How to operate Quick Ice Making**



Light is on: Quick Ice Making is operated.
Light is off: Quick Ice Making is not operated.

- Press the “Quick Ice Making” icon twice in a row to start Quick Ice Making. Then, the icon of Quick Ice Making will turn on.
- When you want to stop Quick Ice making, press the “Quick Ice Making” icon once until the light turns off.

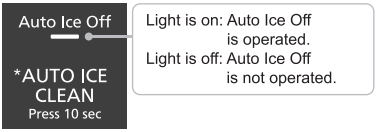
Remark

- The following modes will be stopped when Quick Ice Making is turned on:
  - Quick Freezing
  - Prime Fresh+
  - Prime Freeze
  - Auto Ice Off

Auto Ice Off and Auto Ice Clean

When the refrigerator is in operation, the Auto Ice making mode will automatically operate without any setting. When setting the Auto Ice Off and Auto Ice Clean mode, the refrigerator will stop the Auto Ice making and clean the ice maker automatically.

■ **How to operate the Auto Ice Off mode**

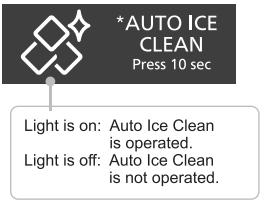


- Press and hold the “Auto Ice Clean” icon for 3 seconds to start the Auto Ice Off. Then, the LED below the Auto Ice Off icon will turn on.
- When you want to turn off the Auto Ice Off and restart to make ice automatically, press the “Auto Ice Clean” icon for 3 seconds. Then, the LED of the Auto Ice Off will turn off.

Note

- When the Auto Ice Off mode is on, Quick Ice Making, if active, will be stopped.

■ **How to operate the Auto Ice Clean mode**



- Press and hold the “Auto Ice Clean” icon for 10 seconds to enable the Auto Ice Clean mode. At that time, the LED of Auto Ice Clean will turn on.
- At the end of the Auto Ice Clean process, the refrigerator will make a notification sound.

Remark

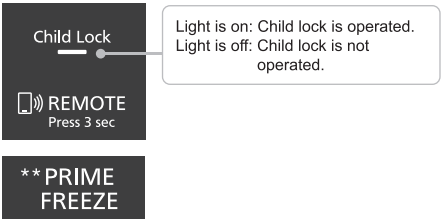
- When Auto Ice Clean is operating, it cannot be stopped / disabled midway and other modes cannot be controlled by “Panasonic SmartApp+” application.

For details on the cleaning operation of Auto Ice maker, please refer to Page 32.

Child Lock

When setting the Child Lock mode, the Operation Panel will disable the interaction to adjust temperature and modes in order to prevent unintended adjustment by children.

■ **How to operate Child Lock**



- Press “Remote” icon and “Prime Freeze” icon at the same time for 3 seconds to start the Child Lock mode. Then, the light below “Child Lock” icon will turn on.
- When you want to stop the Child Lock mode, press “Remote” icon and “Prime Freeze” icon at the same time for 3 seconds. Then the light below the “Child Lock” icon will turn off.

Wireless LAN

■ Wireless LAN connection mode

Wireless LAN connection mode will connect the refrigerator to a wireless LAN router. The user connects the refrigerator to wireless LAN router by using wireless LAN connection mode. It is used for the first time buying the refrigerator, or changing the refrigerator circuit board, or changing the wireless LAN router information (network name, password), or changing the owner of the refrigerator.



Flashing light: Wireless LAN connection is in progress.
Lights on: Wireless LAN connected successfully.
Lights off: Wireless LAN connection mode does not work.

- Press and hold the “Remote” icon for 3 seconds to start the wireless LAN connection mode. When the wireless LAN connection mode is active, the LED of wireless LAN connection mode will flash. After successfully completing the connection process, the LED of wireless LAN connection mode will turn on.
- When you want to cancel the wireless LAN connection mode, press and hold the “Remote” icon for 3 seconds. At that time, the LED of wireless LAN connection mode will flash.

■ Power setting of wireless LAN module



- When the power of the wireless LAN module is off, press and hold the “Remote” and “Freezer” icons at the same time for 3 seconds to turn on the power of the wireless LAN module. “on” is shown for 5 seconds on the Operation Panel. Then, the power of the wireless LAN module is turned on.
- When the power of the wireless LAN module is on, press and hold the “Remote” and “Freezer” icons at the same time for 3 seconds to turn off the power of the wireless LAN module. “oF” is shown for 5 seconds on the Operation Panel. Then, the power of the wireless LAN module is turned off.

Remark

- When the wireless LAN connection mode is enabled, the wireless LAN module is automatically powered on by the refrigerator. At that time, the refrigerator will be connected to the network.
- If you do not use the wireless LAN connection, please turn off the power of the wireless LAN module in order to save power and avoid unexpected settings from another mobile device.
- If you change to the wireless LAN router information, the following steps should be taken:
  - Delete the router information that was previously stored on the refrigerator by:
    1. Press and hold the “Remote” icon for 3 seconds, then the Operation Panel displayes “C2”.
    2. Press and hold the “Freezer” and “Prime Freeze” icons at the same time for 3 seconds, the refrigerator emits a notification sound, and the Operation Panel displays “In”.
    3. The information will be deleted when the Operation Panel no longer displays “In” and the light LED of wireless LAN flashes.
  - Reconnect to router using wireless LAN connection mode. Then, open the “Panasonic SmartApp+” application on your mobile phone and follow the instructions on the application.

Wireless LAN

■ **The LED operation of Wireless LAN**

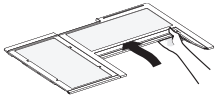
- When the wireless LAN module is powered off, the LED of wireless LAN is turned off.
- When the wireless LAN module is on and the wireless LAN is connected, the LED of wireless LAN is turned on.
- When the wireless LAN module is powered on and the wireless LAN is not connected, the LED of wireless LAN flashes once every 0.5 seconds.
- When the wireless LAN module turns on and the communication with the wireless LAN module fails, the LED of wireless LAN flashes once every 0.1 seconds.
- After restarting the wireless LAN module, the LED of wireless LAN flashes to find and reconnect with the previously saved wireless LAN network.

Fridge compartment

The temperature range of the Fridge compartment is 1 °C ~ 7 °C
If the temperature of the Fridge compartment is set to 1 °C during a long period of time, your food may be frozen.

How to use Slide glass tray

Slide the front-half glass tray to the back, then you can store taller items with out needing to store lying down.
The position of the Slide glass tray can be changed to place more items depending on the purpose of use.





Please refer to Page 35 for how to remove the Slide glass tray.

Vegetable case

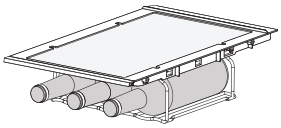
The Vegetable case is equipped with a large-capacitor and the guide rail with a maximum opening angle, making it easier to take out food and increasing its load-bearing capacity, allowing the user to gently pull the case out with just one hand. The Moisture control filter will control the humidity inside the vegetable case, helping the vegetables retain moisture and stay fresh.

Note

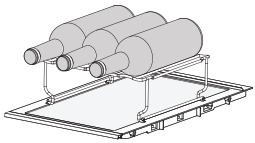
- Due to high humidity, water drops may appear on the vegetable case. Wipe droplets off with a soft cloth.
- Do not place food higher than the height of the vegetable case to avoid the risk that the vegetable case does not close completely, causing frost and damaging vegetables and fruits.

How to use the Wine rack

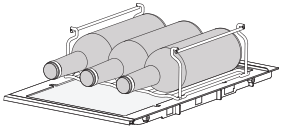
The Wine rack can be flexibly placed in different positions in 3 ways:



Hang the Wine rack under the Small glass tray of Fridge compartment



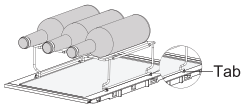
Put the Wine rack on the Small glass tray of Fridge compartment

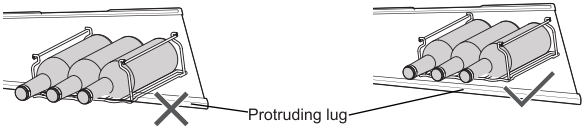


Put the Wine rack on the surface of glass trays of Fridge compartment

Caution

- Secure the pins of the Wine rack to the tabs of the Small glass tray of Fridge compartment.
- Make sure the Wine rack does not extend pass the protruding lug of the glass trays, to avoid movement when opening / closing the refrigerator door.





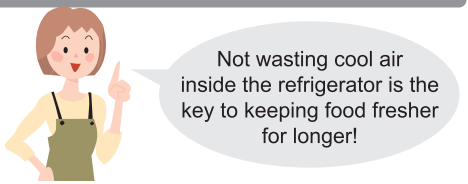
- Noise may occur when the Wine rack is moved on the glass trays of the refrigerator. This is a normal phenomenon.

How to remove the Wine rack, please refer to Page 38.

Tips for food preservation

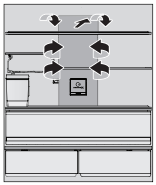
■ Do not stuff too many food items

When there are too many food items and there is no space for cool air circulation inside the refrigerator, the cooling capacity will be affected.
Provide sufficient space between foods.



■ Do not block the cool air outlet with food items

If the cool air does not spread into every corner of compartments, then the interior will not be sufficiently cooled and more electricity will be consumed.
Therefore, food should not be placed in front of the cooling air vents* and block the air circulation.



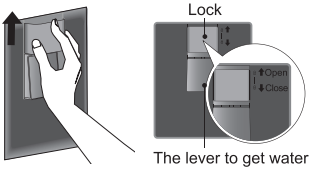
*The cooling air vents are located on the duct inside the Fridge compartment.

Fridge compartment

How to use the Water Dispenser

With the Water Dispenser, you can get cold water without opening the refrigerator door.

■ How to get water



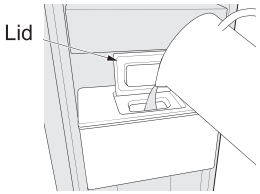
1. Push the lock upward until it touches the top edge.
2. Keep the cup straight and gently push the lever to get water.

Attention

- After taking enough water, slowly take the cup out to avoid the water leaking.
- Use a clean cloth to dry if any water spills out.
- When you need to lock the Water Dispenser, pull the lock downward until it touches the bottom edge and the red line can be seen.
  If it is no need to lock the Water Dispenser, skip this step.



■ How to use Water tank



1. Open the lid and pour water into the Water tank of Water Dispenser.
2. Close the lid tightly and close the refrigerator door.

Attention

- When using for the first time, it is necessary to clean the Water tank first.
- Do not pour hot water above 50 °C into the Water tank.
- The tank can contain up to 4 liters of water.
  Do not pour water above the 4 L line on the tank.
- Only pour drinking water into the Water tank; do not use beer, soft drinks, carbonated beverages, etc.
- Ensure that the Water tank is always installed in the right position when the refrigerator is in use. Otherwise it will affect the cooling efficiency and cause sweating in the Fridge compartment door.
- Check the Water tank before use.
- Hardness of water must be 100 mg/L or less. The minerals may appear as white floating particles. They are not harmful.

Prime Fresh case

The temperature in the Prime Fresh case can be selected as below:

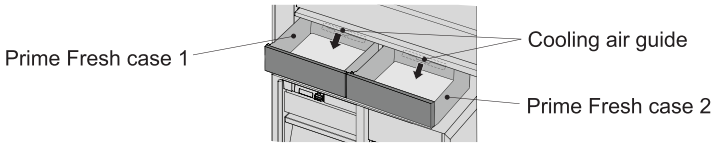
- The temperature for soft freeze is -5 °C ~ -1 °C.
- The temperature to use the Prime Fresh case as the Fridge compartment is 0 °C ~ 4 °C.

When using the refrigerator with 2 independent Prime Fresh cases, the temperature can be adjusted according to your usage.
The default temperature setting of Prime Fresh case is -3 °C.

Using Prime Fresh case — Approx. -5 °C ~ -1 °C



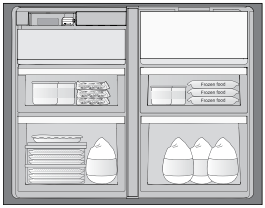
- This compartment is suitable for storing fresh food, such as meat or fish. Compared to storing in the Fridge compartment, the storage life of meat or fish is extended.
- The preservation of food with 2 independent Prime Fresh cases helps to reduce the influence of odors and flavors of different foods, by adjusting the appropriate mode for each type of food, such as raw food for Prime Fresh case 1, and cooked food for Prime Fresh case 2.
- When food is too frozen.
  Sliced raw fish or meat may be too frozen. Set the temperature to higher than -3 °C to prevent food from over frozen.
- When food is not partially-frozen.
  Depending on the type of food, such as a large block of meat or a large fish, or the food fullness of the case, the storage conditions, and the ambient temperature, food may not be partially frozen as it intended. If this is the case, then set to the lowest temperature of -5 °C.
- To reduce the effect of food being over-frozen or not freezing as desired, you can put the similar sized foods in the same Prime Fresh case and adjust the temperature accordingly.
- Do not overstock the case with too many food items. When there are too many food items and there is no space for cool air circulation inside the refrigerator, the cooling capacity will be affected. Provide sufficient space between foods inside Prime Fresh case.
- When storing food in large amounts, e.g. a large block of meat, a large fish, or a chicken, it is advisable to place the food at the center of the Prime Fresh case to optimize the cooling performance.
- When the temperature of the Prime Fresh case is set at 0 °C ~ 4 °C, the Prime Fresh+ mode will not operate in order to prevent food spoilage.
- When opening the Prime Fresh case 2 for food storage, please open both doors of the Fridge compartment. When only the right Fridge compartment door is opened, the Prime Fresh case 2 cannot be pulled out.
- Do not block the cool air outlet with food items inside the Prime Fresh case.
  If the cool air does not spread into every corner of Prime Fresh case, then the interior will not be sufficiently cooled and the food may be affected.
  Therefore, food should not be placed in front of the Cooling air guide (on the Prime Fresh case 1 and Prime Fresh case 2) to prevent blocking the air circulation inside the compartment.



Freezer compartment

Storing frozen food, cooked meals and freezing food by Prime Freeze case.

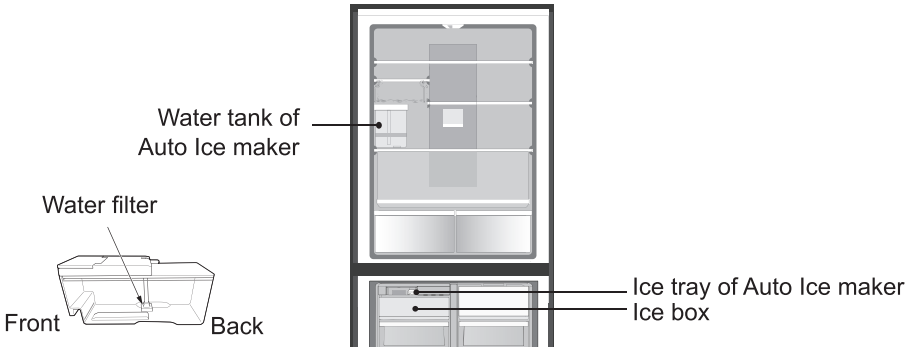
The temperature range of the Freezer compartment is -23 °C to -15 °C



Three tips for freezing food and locking in the flavour

1. Freeze thin and small items of food quickly
2. Fully sealed
3. Do not refreeze

Auto Ice making



To use the Auto Ice maker in comfort

○ Please use only drinking water for Auto Ice making.

The hardness of water must be 100 mg/L or less.



Drinking water

× Do not put liquids such as the following into the Water tank.
(These liquids may damage the Auto Ice maker).



Juice, etc.



Sports drinks



Carbonated beverages



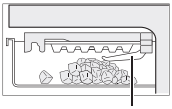
Hot water

Tips

- The hardness of water must be 100 mg/L or less. The minerals may appear as white floating particles. They are not harmful.
- When using the Auto Ice maker for the first time, odor or dust may be on the Ice tray, etc. Please throw away the first lot of ice.
- Remember to regularly use the Auto Ice Clean function of the Auto Ice maker. (Page 24)

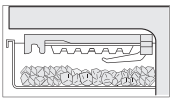
Attention

When the Ice box is full and the ice cubes touch the ice detection lever, the ice making will stop automatically.



Ice detection lever

The pile of ice cubes will touch the ice detection lever. (Then, the Auto Ice making will stop).



Distribute the ice cubes evenly inside the Ice box for making more ice.

Request

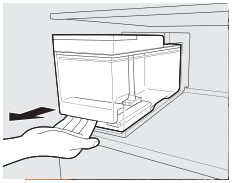
- Do not pour water directly into the Ice box to make ice. (Otherwise, the Ice box may be broken).
- Do not put food or other things into the Ice box. (Otherwise, the amount of ice cannot be correctly detected and Auto Ice making may be stopped or the Ice box cannot be pulled out.)

Ice maker cycle time will be longer in the following cases.

- The first time using the refrigerator. (It will take at least 24 hours since the Auto Ice making function only starts after the inside of the refrigerator is cool enough).
- When the refrigerator doors are frequently opened.
- When the refrigerator doors are ajar.
- When a large amount of food is stored at once.
- When the ambient temperature is low during winter or high during summer.
- When a power failure occurs.

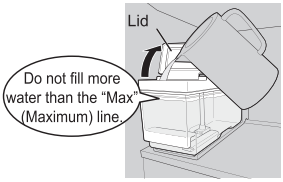
How to use Water tank of Auto Ice maker(*)

1 Take the Water tank out.



Pull out the Water tank until it is blocked.
Fill water up to the “Min” (Minimum) line.

2 Fill with water.



Open the lid and fill the Water tank with water, then put the lid back in place.

3 Install the Water tank.



Confirm the direction of the tank and install until the tank reached the end lock.
(If the Water tank does not reach the end lock, the Auto Ice maker could not operate)

(*)Ice could be made in approx. 2 hours, with the temperature in the Fridge compartment is 4 °C, Prime Fresh case 1 and Prime Fresh case 2 is -3 °C, and Freezer compartment is -20 °C.

How to make ice quickly

■ **In the “Quick Ice Making” mode, the ice making speed will be increased.**
Ice can be made within 90 minutes(**) at the quickest.

Remark

- After about 6 hours, the refrigerator will automatically return to normal Auto Ice making mode.
- The flashing of [Quick Ice Making] LED means that the defrosting system is currently working. “Quick Ice Making” will start right after the defrosting operation is finished.
- In Quick Ice Making, energy consumption increases more than usual.
- ECONAVI operation does not work during the setting of “Quick Ice Making”.

(**) Ambient temperature of 20 °C, the temperature of the Fridge compartment, the Prime Fresh case 1 and Prime Fresh case 2, and the Freezer compartment are 4 °C, -3 °C -3 °C and -20 °C, respectively.

Freezer compartment

How to clean the Auto Ice Maker

When using for the first time or when not being used after a long time, the Water tank may smell unpleasantly or collect dust. Remember to clean the Water tank before proceeding to clean the ice maker.
After selecting the Auto Ice Clean mode, water will be automatically poured into the Ice tray and water supply pipe 3 times (for about 2 minutes) to drain the water.
When selecting the ice maker cleaning mode, make sure there is enough water in the Water tank.

1. Pull out the Ice box, remove all ice cubes from the Ice box (after the ice cubes are fully formed), and then install the Ice box back.
2. Fill the Water tank with water.
3. Select the Auto Ice Clean mode (Page 24).
   - At the same time, the refrigerator will sound a notification and begin to clean the ice maker.
   - During the cleaning process, the sound cannot be turned off.
   - After the beeping sound to inform the completion of the cleaning process, the icon of the Auto Ice Clean mode on the Operation Panel will turn off, the ice maker cleaning process will end and the Auto Ice making will be started.
4. Pull out the Ice box from the Freezer compartment, throw away the water in the Ice box and wipe the water off.
   If you do not clean all water on the Ice box, the Ice box may be broken.

How to turn off Auto Ice maker

You can enable/disable the Auto Ice making mode according to your needs.

■ Turn off Auto Ice making

1. Choose the Auto Ice Off mode, the icon of the Auto Ice Off mode on the Operation Panel will turn on and the refrigerator will stop making ice (Page 24).
2. No need to pour water in the Water tank. The remaining water inside the Water tank will keep making ice, and ice cubes will be available after 2 hours. Or when the Ice box is full, the Auto Ice making will be stopped.
3. When you want to continue making ice automatically, please choose the Auto Ice Off mode, and the icon of the Auto Ice Off mode on the Operation Panel will turn off (Page 24).

■ Turn off Auto Ice making for a long period of time

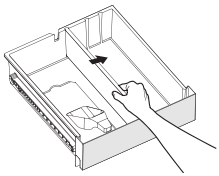
1. Empty the Water tank and remove all ice cubes from the Ice box.
2. Clean the Water tank, Water filter, Water tank seal rubber and Ice box; dry and put them back to their place.
3. When using again, please refill the Water tank and put it back.

■ When transporting the refrigerator

1. Empty the Water tank and remove all ice cubes from the Ice box.
2. Choose the Auto Ice Clean mode, the icon of Auto Ice Clean mode on the Operation Panel will turn on and the refrigerator will start cleaning the ice maker.
   (At this time the ice cubes and water in the process of making ice will fall into the Ice box)
3. The cleaning process will stop after 2 minutes. Take out the Ice box and empty the ice cubes and water in the Ice box.
4. Clean the Water tank, Water filter and Ice box; dry and put them back to their place.

Use a Customized divider to increase ice storage space, and match your ice storage needs.

- Manually lift the Customized divider off the track, and move it to another desired position.
- Use the Ice scoop when removing ice from the Ice box.



How to clean the Refrigerator

Before cleaning or conducting maintenance, please ensure that the power plug has been disconnected from the power outlet. Do not connect or disconnect the power plug with wet hands. When the plug is disconnected, leave it for 7 minutes before plugging again. If not, the compressor may not work.

Clean the refrigerator immediately after it is stained!

Wipe off stains on the interior surfaces quickly before they harden. In particular, cooking oil or lard may cause plastic to crack and citrus juice may cause the refrigerator to become discolored. When stains cannot be removed easily, wipe them with a cloth lightly soaked in neutral kitchen detergent. Then, wipe with a cloth lightly dipped in water.



Clean the detachable items occasionally.

Clean the ice tray once a week. As a guide, remove the trays, door shelves, etc. and wash them by immersing them in lukewarm water every three months.



Clean the door gasket at least once a month.

Clean by wiping with a soft damp cloth.

Lubricated gel has been applied to the door gasket on the hinge side of the refrigerator, be careful not to wipe it off.

Rub the door surface with a soft damp cloth.



Point where lubricated gel was applied



Note

The door gasket is replaced by an authorised service agent.
If the door gasket comes off while cleaning, it can be pushed back into the groove.

Request

Do not use the following items for cleaning. (Otherwise, the surface will be scratched or corroded.)



Kitchen detergents (They crack plastic!)



Cleanser or soap powder



Benzine, thinner, alcohol, acid, petroleum



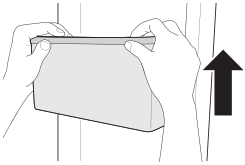
Scrubber



Hot Water

How to clean the Refrigerator

Door shelf / Bottle shelf — Once every 3 months



■ **Removing**

1. Lift it upward, alternating between the right and left side.

■ **Attaching**

2. Placing it on both supporters, and then press until it reaches the end of supporters.

Tray — Once every 3 months

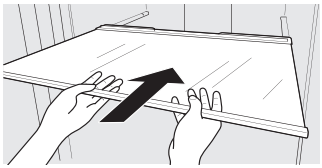
■ **Removing**

Lift up the back of the tray and pull it forward. Once the protrusions of the tray are unhooked from the rails, tilt the tray and remove it.



■ **Attaching**

Push the tray until it reaches the end lock.



Remark

- To easily take out the glass trays from the refrigerator, please remove Door shelves and Bottle shelves first.
- The Glass tray vegetable case is cleaned by directly cleaning inside the refrigerator. (Due to its fixed design.)
- In case of attaching the tray and it does not lock, make sure that you did not attach it into it the wrong tray.
- Trays made of glass are heavy.
  Please handle them with care so that they do not fall and cause any damage or injury.
  For attaching trays, hold them with the protrusion side down and firmly insert.

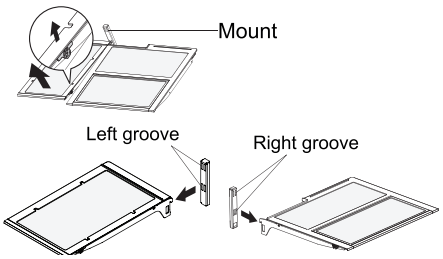
Slide glass tray

Once every 3 months

If the position of the Slide glass tray is in line with the Small glass tray of Fridge compartment:

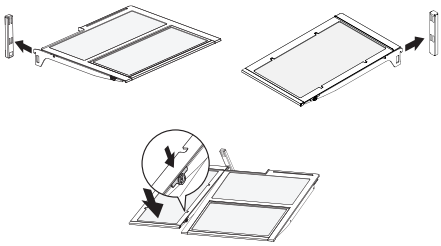
■ Removing

1. Separate the joint between the Slide glass tray from the Small glass tray of Fridge compartment.
2. Lift up the underside of the Small glass tray of Fridge and pull it out from the left groove of the mount to the front. Once the protrusions are unhooked from the rails, tilt the tray and remove it.
3. Lift up the underside of the Slide glass tray and pull it out from the right groove of the mount to the front. Once the protrusions are unhooked from the rails, tilt the tray and remove it.



■ Attaching

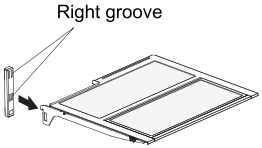
1. Lift up the underside of the Slide glass tray and push into the right groove of the mount.
2. Lift up the underside of the Small glass tray of Fridge compartment and push into the left groove of the mount.
3. Fix the joint between the Slide glass tray and the Small glass tray of Fridge compartment.



If the position of the Slide glass tray is not in line with the Small glass tray of Fridge compartment:

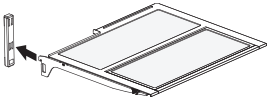
■ Removing

Lift up the underside of the Slide glass tray and pull it out from the right groove of the mount to the front. Once the protrusions are unhooked from the rails, tilt the tray and remove it.



■ Attaching

Lift up the underside of the Slide glass tray and push into the right groove of the mount.



Remark

- To easily take out the glass trays from the refrigerator, please remove Door shelves and Bottle shelves first.
- Trays made of glass are heavy.
  Please handle them with care so that they do not fall and cause any damage or injury.
  For attaching trays, hold them with the protrusion side down and firmly insert them.

How to clean the Refrigerator

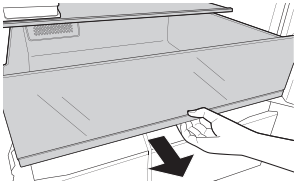
Vegetable case / Freezer cases — Once every 3 months

※ **Vegetable case**



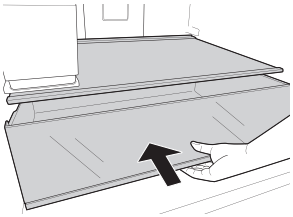
■ **Removing**

1. Fully open both doors of the Fridge compartment.
2. Remove the Large door shelf ④ and Utility shelf ⑦ (According to Parts Identification in Page 13, 14) before removing the Vegetable case.
3. Pull the case forward until it reaches the end and gently lift the front of the case to remove it completely.



■ **Attaching**

1. Insert the case into the shelf.
2. Gently lift the case and push forward until it reaches the end.
3. Install Large door shelf ④ and Utility shelf ⑦ into.

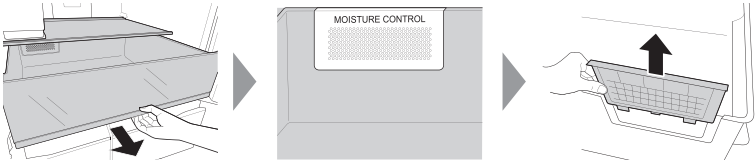


※ **Freezer cases**

Skip the steps of removing and installing the Large door shelf ④ and Utility shelf ⑦.
Remove and install Freezer cases in steps same as Vegetable case.

Moisture control of Vegetable case — Once every 3 months

1. After pulling out the Vegetable case, the Moisture control is located at the back of the Vegetable case.
2. Slide the Moisture control upward to remove it.



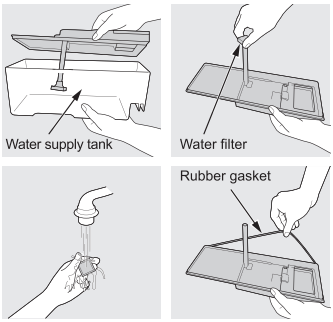
Remark

- After cleaning by water, wipe it or let it dry.
- For tough stains, dilute (neutral) kitchen detergent, and gently wash with a soft toothbrush, then rinse thoroughly with water.

How to clean the Refrigerator

Water tank / Water filter (of the Auto Ice maker) — Weekly

1. Open the lid and clean the Water tank with water.
2. Rotate the Water filter to remove the hook and remove the Water filter.
3. Gently wash the Water filter in water.
4. Remove the seal rubber on the edge and clean it with water.
5. Put the Water filter and rubber back into place.



Remark

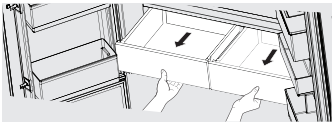
- If there is water deposits or pipe blockages in the Water filter, ice may not be made properly.

Prime Fresh case — Once every 3 months



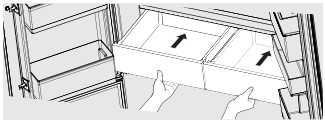
■ Removing

1. Fully open both doors of the Fridge compartment.
2. Remove the Bottle shelf ⑤ (According to Parts identification in Page 13, 14) before removing the Prime Fresh case.
3. Pull the case forward until it reaches the end and gently lift the front of the case to remove it completely.



■ Attaching

1. Put the case into the shelf.
2. Gently lift the case and push forward until it reaches the end.
3. Install the Bottle shelf ⑤ into.

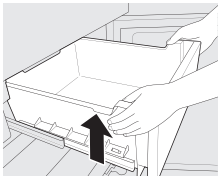


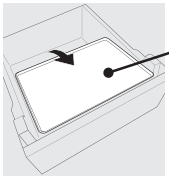
How to clean the Refrigerator

Prime Freeze case — Once every 3 months

■ **Removing**

1. Pull out the Prime Freeze case completely.
2. Lift the case, tilt it, and lift it out of the compartment diagonally.





Aluminum heat transfer plate
(Note that the aluminum plate can be easily scratched and damaged)

■ **Attaching**

Pull out the Prime Freeze case, lift the back of the case and hook along the inner grooves until it matches and touches the end point.

Remark

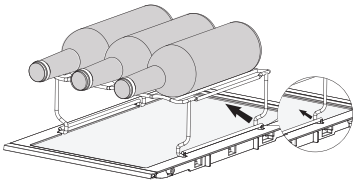
- The aluminum heat transfer plate can be removed; however, remember not to hold it with wet hands when the aluminum plate is cold, as there may be a risk of frostbite.
- When removing or installing the case, be sure to grasp the tray handle with your outstretched hand. Otherwise, the compartment door may accidentally hit your finger. Please refer to the illustration above.
- If cleaning by water, wipe the aluminum plate or allow it to dry before reinstalling into the refrigerator.
- Do not wipe the lubricant off the contact surface of the guide rail.
  If you have wiped out the lubricant, please contact with the Panasonic service center.

Wine rack — Once every 3 months

Adjusting the position of the Wine rack on the Small glass tray of Fridge compartment and hanging the Wine rack under the Small glass tray of Fridge compartment:

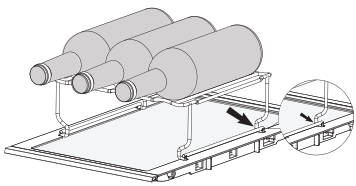
■ **Removing**

1. Remove the Wine rack pins from the tabs on the Small glass tray of Fridge compartment.
2. Pull out the Wine rack.



■ **Attaching**

1. Put the Wine rack at position to be mounted.
2. Adjust the pins of the Wine rack to the tabs on the Small glass tray of Fridge compartment.

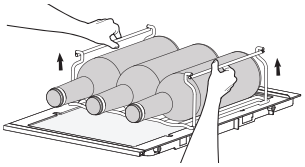


Wine rack — Once every 3 months

Adjusting the position of the Wine rack on the surface of the glass trays of Fridge compartment:

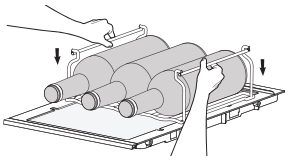
■ **Removing**

Lift the Wine rack out of the glass trays of the Fridge compartment.



■ **Attaching**

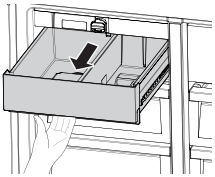
Put the Wine rack on the glass trays of Fridge compartment, so that the Wine rack does not leave the protruding lugs on glass trays of Fridge compartment.



Ice box — Once every 3 months

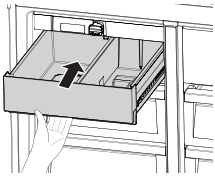
■ **Removing**

Lift and pull the Ice box forward until it is completely removed.



■ **Attaching**

Push the Ice box until it reaches the end of the Ice box holder.



Remark

- Stop the Auto Ice making function before cleaning the Ice box (Page 24).
- Remove the Customized divider and Ice scoop. Clean them with water, wipe or let them dry before attaching and returning to the Ice box.

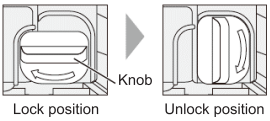
Ice tray — Once every 3 months

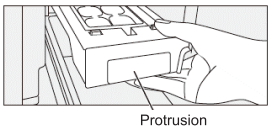
The Ice tray can be cleaned by using the Auto Ice Clean function (Page 24). In addition, the Ice tray can be removed and cleaned manually.

How to clean the Ice tray manually.

■ **Remove and clean the Ice tray**

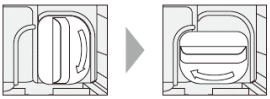
1. Choose the Auto Ice Off mode (Page 24).
2. Turn the knob on the Auto Ice maker to the unlocked position.
3. Pull the protruding side forward to remove the Ice tray.
4. Clean it with water. (Do not use sharp scouring pads to scrub the surface of Ice tray. If the Ice tray is scratched, ice may not be properly released, leading to a malfunction.)





Remark

- The Ice tray and its frame cannot be separated.
- Do not clean with dishwashers or dish drying rack.



■ **Attaching**

1. Push the Ice tray in until you hear a “click”.
2. Turn the knob into the locked position.
3. Disable the Auto Ice Off mode (Page 24) to restart the Auto Ice making.

How to clean the Refrigerator

Ice tray — Once every 3 months

Remark

- Ice will not be made automatically when the Auto Ice Off mode is turned on.
- Do not pour water directly into the Ice tray after manual cleaning. (That may cause ice cubes sticking together or a malfunction.)
- Turning the knob into the locked position after cleaning and checking the lock position of the Ice tray regularly is essential to ensure that the Auto Ice maker is working properly. If the knob is unlocked, the Auto Ice maker may not work.

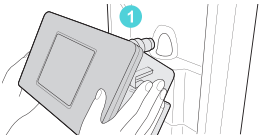
Water tank/ Water filter (of Water dispenser) — Weekly

■ Removing

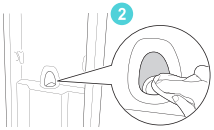
Pull up the Water tank with both hands and tilt it slightly towards you.

■ Attaching

1. Insert the tip of the valve into the hole. Place both left and right edges of the Water tank in the locked position.



2. Push the Water tank all the way down until it reaches the end point.

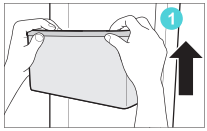


Remark

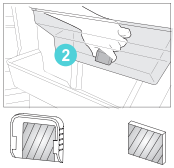
- When removing the Water tank for cleaning, if the rubber seal is inserted reversely due to friction with the faucet, use your hand to push the seal reversely to its original position.
- The valve in the Water tank can be removed by turning it counterclockwise.

■ Replace filter

1. Open the lid at the right corner using a hand.



2. Lift the filter straight out of the lock. Replace with a new hygiene filter. Put the filter back to its original position and close the lid tightly.



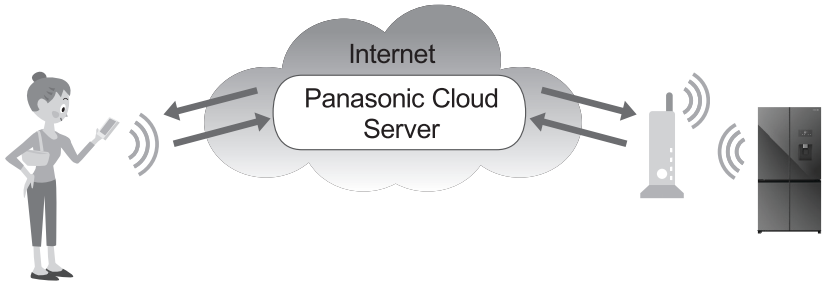
Remark

- The hygiene filter is recommended to be replaced every 3 years.
- The hygiene filter can be purchased at all authorized Panasonic service center.

Panasonic SmartApp+

Features of the Panasonic SmartApp+

More convenience with your smartphone.
You can use the refrigerator through the “Panasonic SmartApp+”.



■ Remote control

Refrigerator modes can be controlled anytime, anywhere if connected to a wireless LAN network.

■ AI feature

AI ECONAVI will work better efficiency by detecting your location.

- Leaving home mode
  If you are far away from the registered home location, AI ECONAVI will detect your location by GPS and switch the operation mode to energy saving mode.
- Shopping mode
  If you shop at registered shopping locations, AI ECONAVI detects your location using GPS, after you confirm to active Shopping mode on the “Panasonic SmartApp+”. application, refrigerator will start to increase the cooling level to prepare for food storage.

■ Monitoring through notifications

When the refrigerator encounters problems or other warnings appear, the notification will be displayed on your phone to help you promptly solve the problem and use the refrigerator more efficiently.

Panasonic SmartApp+

Required Equipment and Environment

Let's check the required Equipment and Environment to use the app.

■ Android or iOS (iPhone) smartphone

● About supported OS
https://www.panasonic.com/fiot/fridge/



■ Internet environment
Example) FTTH (optical fiber), ADSL, CATV (cable television), etc. Internet communication fee will be charged by you.



■ Wireless LAN router
Use a wireless LAN router to connect to the internet.



Remark

- Make sure that the wireless LAN router has a communication standard of 2.4 GHz band. (Communication standards: IEEE802.11b, IEEE802.11g, IEEE802.11n) Other than the above cannot be used.
- Models that only support WEP cannot be used.
- As a security measure, be sure to use a wireless LAN router that can set the encryption method WPA3, WPA2, or WPA.
- We recommend WPA3 and WPA2 (AES) as the encryption method.
- We do not guarantee the operation of all wireless LAN routers. (Mobile router is not guaranteed to work.)
- The refrigerator cannot connect to the router without password authentication.
- The refrigerator should not be connected to public wireless LAN network.
- The surrounding environment can affect the performance of the wireless network causing the remote control to not work properly.
- When connecting for the first time, you must make sure that the mobile phone and the refrigerator are connected to the same wireless network, otherwise the connection will not be successful.
- After the wireless LAN router changes its name or password, the refrigerator needs to be reconnected.
- Personal information related to customer activities such as Email, GPS signal,... is saved. To view details about the information stored, please open the “Panasonic SmartApp+” application, select “Menu”, then select “Terms of Use”.

Required Equipment and Environment

- If the circuit board is replaced in the refrigerator, after repaired completely, the connection will need to be redone.
- When you destroy or transfer the refrigerator, please delete the registered user information as below:
  - On the “Panasonic SmartApp+” application:
    Open the “Panasonic SmartApp+” application, select “Menu”, then select “Withdraw from service” and select “OK”.
  - On the Operation Panel:
    1. Press and hold “Remote” icon for 3 seconds, then the Operation Panel displays “C2”.
    2. Press and hold “Freezer” icon and “Prime Freeze” icon for 3 seconds at the same time, refrigerator generates the notice sound and the Operation Panel displays “In”.
    3. The connection will be deleted when the Operation Panel no longer displays “In” and LED light of wireless LAN flashes.

Initial Settings

1 Install the “Panasonic SmartApp+” (free)

- You can find the link to download the application from “Panasonic Website”.
  https://www.panasonic.com/fiot/fridge/
  or the QR code as below:

- Alternatively, you can search for the “Panasonic SmartApp+” application on Google Play (Android) or App Store (iOS).
- You can check the Operating Instruction of “Panasonic SmartApp+” application directly from the application or find the link to download the Operating Instruction of “Panasonic SmartApp+” application from “Panasonic Website”.
  https://www.panasonic.com/sg/consumer/refrigerator-learn/tips/smart-connectivity/oi.html
  or the QR code as below:

2 Follow instructions displayed on the screen of the app and register the refrigerator.

- Setup position of the refrigerator where you can check the display on the refrigerator door.

Use the app

Panasonic SmartApp+

Using the “Panasonic SmartApp+”

After initial setting is completed, you can use the application.
Please find the link https://www.panasonic.com/fiot/fridge/ to check the update status of “Panasonic SmartApp+” application.
To check the communication status with the LED on Operation Panel:

	Light up	Communicatable (Connected)
	Blinking	Trying to communicate (Connecting to server)
	Off	Not connected

■ LED position (Page 15)

Usage for wireless LAN/Bluetooth®

■ Usage restrictions

Please note that there are the following restrictions while using. Panasonic is not liable for any incidental damages resulting from the failure to comply with the restrictions and the use or inability to use the machine.

- Do not connect to a wireless network that you do not have permission to use.
  A wireless network (SSID(*)) that you are not authorized to use may be displayed during detection, but if you connect it may be considered unauthorized access.
- Do not use in a place where magnetic field, static electricity, or radio interference is generated.
  If you use the application near the following devices, communication may be interrupted or the speed may slow down.
  - Microwave oven
  - Other wireless LAN / Bluetooth® devices
  - Other devices that use radio waves in the 2.4 GHz band (digital cordless phones, wireless audio devices, game consoles, PC peripherals, etc.)
  - Metal objects that easily reflect radio waves

(*) A name used to identify a specific network on a wireless LAN. If this SSID matches on both devices, communication is possible.

■ Security measures

- Since the wireless LAN uses radio waves to send and receive data, there is a risk of unauthorized access. Take security measures to ensure the safety of your data. Please note that we are not responsible for any problems that occur when not following the security measures.
- For the password (encryption key) of the wireless LAN router, refer to the instruction manual of the wireless LAN router and set it in consideration of security.

Troubleshooting

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

The refrigerator does not operate.

- Check that the plug and its socket are in good condition.
- Check if there is any problem on the main fuse and electrical system of the house.
- Unplug the unit and wait for 7 minutes before plugging it back in.

The refrigerator does not cool enough.

- Check that the lights on the Operation Panel are displayed at the proper position.
- Check to see if the refrigerator is overloaded with stuff or if there is any hot foodstuff refrigerated inside.
- Is the refrigerator exposed directly to sunlight or heat source?
- Is the refrigerator door completely closed?
- Is the refrigerator door opened frequently?

Dew, frost appears.

Outside

- When the air humidity is high, there is a chance that moisture will condense on the refrigerator surface, around the door gasket or on the door surface. This situation will stop if the air humidity decreases. Please wipe it up with dry cloth.



Inside

- Is the door closed firmly?
- Is the door being opened and closed too frequently?
- Condensation inside the refrigerator can also be caused by leaving high-humidity foods uncovered or unwrapped.
- When the humidity is high, the door is open for a long time, or when the refrigerator contains too much food or makes too much ice, frost may form inside the Freezer compartment at the location of the Freezer compartment case, Ice box or the Prime Freeze case door. This is normal. Please wipe with dry and soft cloth.

The refrigerator generates noise.

- Check if the refrigerator is located on a stable floor or is installed properly.
- Check if there is any object in contact with the refrigerator.
- Cracking sound within caused by the parts adjusting temperature which is normal.
- After installation, the refrigerator may make loud noise. The noise will be less when the refrigerator has been cooled.

The inside is smelling.

- Do you store food with dry odor without wrapping it?

Light does not turn on.

- Please contact Panasonic service center.

Troubleshooting

The back and sides of the refrigerator are warm and hot.

- Because the refrigerator is equipped with the dew prevention and heat radiation tubes, the back and sides of the refrigerator get warmer when operating.
- The back and side plates may get warmer especially when starting up or if the door is frequently opened and closed.

The normal sounds of refrigerator.

- When the refrigerator starts operation, the sound like water flowing and boiling water is created. This is the sound of the cooling liquid.
- The noise is generated when the automatic defrost system operates.
- The dilatation of the details inside the refrigerator in the cooling process can cause sound “crack-crack”.
- You may feel that the operation sound is larger 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 too frequently, the surrounding temperature is high. The sound becomes more quiet after cooling fully.

The Operation Panel flashes.

- Are you adjusting the temperature of your refrigerator?
  → Flashes during adjusting. Please complete the setting and the Operation Panel will stop flashing after 5 seconds.

Food becomes frozen.

- Do you put the food near cold air holes?
- Do you adjust the temperature control to less than 4 °C for the Fridge compartment and/or -3 °C for the Prime Fresh case?
  → Adjust to a higher temperature.
- Do you put food in Prime Fresh case?

Error display on Operation Panel.

- The letter “H” and two digits are displayed on Operation Panel.
  For example: H01
  → Please contact the Panasonic service center for support.

- U10: Warning if doors are opened too long.
  → Check that the doors are closed properly.

- U83: The refrigerator does not connect to the wireless LAN router. Check the following:
  - The router is not turned on.
    →Power on.
  - The distance between the router and the refrigerator is too far.
    →Place the router close to the refrigerator.
  - A device that uses radio waves is used nearby, such as a microwave oven.
    →Keep an appropriate distance.
    →Stop using the device or wait for a while and try again.

Troubleshooting

Auto Ice making.

The refrigerator does not make ice.

- If the water in the tank does not decrease after a while, the ice maker is not working.
- The ice making process begins after the inside of the refrigerator is cold enough. (It may take more than 24 hours to start the process)
- Check if the Auto Ice Off mode is set. (Page 24)
- Be sure to fully push the Water tank and Ice tray into place.
- Do not leave food in the ice maker.
- Do not install or remove the Ice tray frequently.
- Check if the Water tank is almost empty.
- If water spills on the Ice box, clean it up.
- Please contact Panasonic service center.

The ice does not form any ice cube

- Is the temperature of Freezer compartment set to a higher temperature than -20 °C?
  → Adjust to a lower temperature. (Page 16)

Unusual shape of ice cubes.

- There are protrusions.
  → The grooves of the Ice tray may be frozen.
- The ice cubes are round or connected to other ice cubes.
  → Ice has been stored for a long time.
  (Ice cubes get round of connected by sublimation.)
- The ice is small.
  → Small ice cubes are made when there is no water left in the tank.

Prime Fresh case 1 and Prime Fresh case 2

Food is over-frozen or not frozen.

- When the food in Prime Fresh case 1 or Prime Fresh case 2 is over-frozen.
  → Please set to a higher temperature than -3 °C.
- When the food in Prime Fresh case 1 or Prime Fresh case 2 is not partially frozen.
  → Set the temperature to as low as -5 °C.

Not cool, not freezing.

- Cooling or freezing may not be sufficient depending on the type of food, packaging condition, storage capacity, and how often the door is opened and closed.
  → Create space between foods for cold air circulation, arrange similar sized food in a Prime Fresh case and adjust the temperature accordingly.

Not fully sealed.

- When there is too much food, it may overflow from Prime Fresh case 1 or Prime Fresh case 2 and enter the gap behind Prime Fresh case 1 or Prime Fresh case 2, causing it not to be fully sealed.
  → Check the back of Prime Fresh case 1 or Prime Fresh case 2 contains food items? If so, remove them before attaching Prime Fresh case 1 or Prime Fresh case 2.
  → Arrange food properly to avoid overflowing.

Troubleshooting

The ECONAVI light does not come on normally.	The ECONAVI function does not work (the ECONAVI light does not come on).	● Are Quick Freezing , Quick Ice Making, Prime Freeze case active? ● When the temperature is not set at 4 °C for the Fridge compartment and -20 °C for the Freezer compartment, the ECONAVI function does not activate automatically. ● Is the door opened too often or are there hot food stored in the refrigerator? ● The learning function can automatically disable the ECONAVI operation during regular use. ● Does the refrigerator display any error codes?
	The ECONAVI operation is rarely active.	●Is there a power failure? If there is a power failure, the data collected by the learning function until the power failure will be lost. The ECONAVI operation is not active until the learning function can collect the data again.
	The ECONAVI operation is stopped halfway.	● If the automatic defrost function is enabled while the ECONAVI operation is active, the normal cooling mode will be activated after the defrosting process completes. As a result, the ECONAVI operation may be stopped during defrosting/cooling. ● Sometimes, the learning function restarts the normal cooling mode.
	The ECONAVI operation works too often (the ECONAVI light rarely turns off).	● Is the light intensity sensor hidden? ● Are there any dirt or scratches on Operation Panel of the light intensity sensor? ● The ECONAVI operation may operate while the refrigerator is in use depending on the usage conditions, but the cooling operation is still maintained.
Prime Freeze.	The food melts.	● Store frozen foods with the Prime Freeze case in a long period of time, or store high-fat ice cream in the freezer. ● Do not place cold food next to hot food.
	Not cold, no freezing.	● Freezing capacity may not be sufficient depending on the type of food, packaging condition, storage capacity, and how often that the door is opened and closed. → Reset Prime Freeze. (Page 21)
	Stop working halfway.	● If Prime Freeze is set during defrosting, the time display will start counting, but the fan will stop and the food will not be cooled enough. After defrosting, reset Prime Freeze. ● If Quick Ice Making, Quick Freezing, Prime Fresh+ are set during the operation of Prime Freeze, Prime Freeze will be stopped.

Troubleshooting

"Panasonic SmartApp+" application	Smartphone cannot be connected.	● Please refer Required Equipment and Environment section. (Page 42)
	Forget password	● From login screen, select "If you forgot your password, click here", then set your password again.
	Cannot connect to refrigerator	● Is the wireless LAN router turned off? ● The connection is not stable, please put the wireless LAN router near the refrigerator.
	Cannot open the application	● Is your smartphone connected to Internet?
The LED of wireless LAN on the Operation Panel.	The LED of wireless LAN on the Operation Panel flashes.	● The LED of wireless LAN flashes every 0.5 seconds. → The wireless LAN connection may be disconnected. Please check the wireless LAN connection status again. (Page 25) ● The LED of wireless LAN flashes every 0.1 second. → The wireless LAN module communication may be faulty. Please contact Panasonic service center immediately.
	The LED of wireless LAN on the Operation Panel turns on unexpectedly.	● Is the refrigerator being connected to wireless LAN? Then, turn off the wireless LAN module, the LED of wireless LAN will turn off.
Water Dispenser	Droplets are kept on top of nozzle.	● After getting water, a few droplets are kept on top of nozzle and may drip into the Water tray. This is a normal phenomenon. ● When the air humidity is high, a few droplets are kept on top of nozzle and may flow into the Water tray. This is a normal phenomenon and no longer appears when the air humidity is decreased. Please clean with soft dry towel. ● When the air humidity is low but a few droplets are still kept on top of faucet and flows into the Water tray, please contact Panasonic service center immediately.
	Only a few droplets flows into Water tray.	
	Water flows continuously	● Does the Water tray of the Water Dispenser have any abnormal object or scale formation? → Please clean the Water tray of the Water Dispenser if it has any abnormal object or scale formation. ● In case water flows continuously and no abnormal objects are in the Water tray, please contact Panasonic service center immediately.

Specifications

Model No.		NR-XY680Y
Freezer Star Rating		✱***
Capacity (L) Gross/Storage (IEC62552:2007)	Total	690 / 617
	Freezer	264 / 208
	Fridge, Prime Fresh	426 / 409
Outside Dimensions Width x Depth x Height (mm)		900 x 750 x 1790
Net Weight (kg)		114
Refrigerant Type		R600a
Cooling System		Non-frost cooling.
Rated Voltage (V) Rated Frequency (Hz)		Refer to the rating label attached inside the cabinet.

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(3) Conditionally licensed open source software
The software classified in (3) above is distributed with the expectation that it will be useful on its own, but we do not warrant any implied guarantee of “commerciality” or “fitness for a specific purpose”. No warranty is given, including.

You can find the link to download the most up-to-date information of Copyright for “Panasonic SmartApp+” application.
https://www.panasonic.com/sg/consumer/refrigerator-learn/tips/smart-connectivity/oi.html
or QR code as below:

Memo

Complies with
IMDA Standards
DB01017

Panasonic Corporation
Website: https://www.panasonic.com

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INVERTER

Panasonic



操作說明
雪櫃

家用型

型號: NR-XY680Y

內容

- 安全使用須知.....2
- 使用須知 4
- 特點.....6
- 安裝 9
- 各部名稱 13
- 操作面板 15
- 溫度控制 16
- ECONAVI 操作 19
- nanoe™ X..... 19
- 速凍 (Quick Freezing) 20
- 新主保鮮制模式 (Prime Fresh+) 20
- 急凍模式（Prime Freeze) 21
- 快速製冰模式（Quick Ice Making） 23
- 自動製冰停止模式和製冰機清潔模式 24
- 童鎖模式（Child Lock） 24
- LAN 無線網路 25
- 冷藏室 26
- 主保鮮格 29
- 冷凍室 30
- 如何清洗雪櫃 33
- Panasonic SmartApp+ 41
- 雪櫃使用說明指引 45
- 規格 50
- 版權 51

■ **NON-CFC**
本機的製冷劑 (異丁烷(R600a)) 和隔熱劑 (Cyclo-Pentane) 都使用完**全無氟的材料**。所以使用該雪櫃不會傷害地球的臭氧層。

非常感謝您購買 Panasonic 產品。

- 使用本產品前請仔細閱讀這些說明並遵照第 2-5 頁的安全使用須知。
- 請確保保用證上的購買日期和零售商名稱蓋有印章，並將它和本操作指南一同收妥。

ARAH1E203741
P0623-1073
越南印刷

DBD

安全使用須知

請確保遵循這些說明。

⚠ 警告

這個標識表示
[可能導致嚴重傷害或者死亡。]

這些標識表示禁止。

這個標識表示需要採取行動。

這個標誌表示雪櫃必須接地以防止電擊。

⚠ 小心

這個標識表示
[可能導致傷害或故障。]

R600a
iso-butane
火灾危害/易燃物品

否則可能導致火災，燙傷，爆炸或觸電。

⚠ 警告

在緊急情況下:

R600a
iso-butane

- 維護工作只能由合格的技術人員執行。

- 勿在設備中存放易爆物品如有易燃推進劑的噴霧罐, 化學藥品或科學標本。
- 請勿在雪櫃中使用除臭劑等電器。洩漏的製冷劑可能會因電觸點火花而著火併可能引起爆炸。
- 勿在雪櫃內使用電器,除非是製造商推薦的類型。

- **切勿**自行嘗試拆解，維修或改裝雪櫃。
  需要維修雪櫃時，請諮詢您的零售商或授權服務中心。
- **切勿**使用機械裝置或製造商建議以外的方式加速除霜過程。

回收產品時:

- 在將雪櫃做再生資源利用之前，請拆除所有的門上密封條，以防止孩童被關閉在裏面。
- 務必在雪櫃的使用壽命全程保存好上述警告標籤。
- 如果雪櫃被搬遷到其他地點以及被運送到回收廠，必須將使用者手冊轉交給任何可能使用或處理雪櫃的人。
- 根據當地相關法律，本雪櫃使用異丁烷作為製冷劑。
  丟棄本機時，請以適當的方法處理之，切勿以火焚化。

否則可能導致火災，
燙傷，爆炸或觸電。

⚠ 警告

適用於電源插頭和電源線:

- **切勿**用濕手插拔插頭。
- **切勿**讓電源線或插頭受損。

- 清潔時請拔下電源插頭。
- 完全插入符合雪櫃額定電流及額定電壓的牆上電源插座。
- 專為雪櫃預留一個插頭。
  請完全展開電源線，避免將過多電器連接到供雪櫃使用的同一插頭上。
- 定期清除電源插頭上的灰塵。
- 如果電源線損壞，必須由廠家，服務代理或相關的合格人員進行更換，以防發生危險。
- 若您聞到一股燒焦的氣味，請斷開電源插頭，並對廚房進行通風。
- **若出**現任何異常現象或故障，請停止使用本雪櫃。異常及故障範例:
  - 電源線或插頭異常滾燙。
  - 電源線被深切或變形。
  - 聞到燒焦氣味。
  - 有麻刺感。

  請立即聯繫您當地的經銷商進行保養/維修。

使用時:

- **切勿**損壞製冷電路 (位於機背的管道)。
- **切勿**觸摸壓縮機或管道，此區域溫度較高。
- **切勿**讓孩童攀在雪櫃門上玩耍，雪櫃可能會因此翻倒壓在孩童身上。
- **不要**將任何水容器放在雪櫃頂部以防止溢出來的水引起電擊或燃燒。
- **切勿**在設備後部放置多個便攜式插座或便攜式電力供應。
- 保持設備外殼或內置結構中的通風口暢通無阻。

- 本設備不適合身體、感官或精神上有缺陷的人（包括兒童）使用，或者缺乏使用本設備的經驗和知識，除非他們得到負責人的監督或有關使用本設備的指導 為了他們的安全。
- 應對孩童進行監督，確保其不使用雪櫃玩耍。

安裝時需注意:

- 設備不平衡時可能會發生危險，確保支腳穩固且設備水平。
- 放置設備時，請確保電源線沒有被困或損壞。

- 確保雪櫃插入已接地線的電源插座。

否則可能導致燙傷或意外事故。

⚠ 小心

開/關櫃門時:

- 在打開雪櫃時，注意不要夾到手。
- 注意門的間隔。關門時可能夾住您的手。



儲存食物時:

- **切勿**急凍玻璃瓶，否則可能導致傷害事故發生。（若玻璃瓶內的液體凍結，玻璃瓶可能破裂而對您造成傷害。）
- **切勿**在玻璃托架上放置較重物品或施加較大衝擊力。（否則，玻璃托架可能會破碎，您可能會因此而受傷。）



移動雪櫃時:

- 搬運時請牢牢抓緊雪櫃。
- 表面容易受損的地面應使用防護罩等。

使用須知

開/關櫃門時:

- **切勿**冷藏比托架或托盤更大的物品，否則雪櫃門無法完全關閉，從而造成冷氣洩漏。
- **切勿**頻繁打開雪櫃或打開很長一段時間，以防雪櫃內部形成水滴，因而浪費能源。
- 經常檢查櫃門密封條，它必須與雪櫃櫃身完全貼合。

清潔時:

- **切勿**使用化學物質或液體清理雪櫃。這些物體將會損壞和侵蝕雪櫃表面。



使用須知

使用時:



- 當拔掉插頭後，請等 7 分鐘，然後再插上。
  否則，壓縮機可能無法正常運作。
- 根據實際操作狀態調校溫度以節省能源。
- 若您將外出一段時間，或是雪櫃裡沒有冷藏任何物品，應拔出插頭以節約能源。 注意當多日不使用冰箱時，一定要把冰箱裡剩餘的食物全部取出，清潔並打開冰箱門幾個小時，讓冰箱內的水分變乾，避免發霉和氧化冰箱的組件。
- 雪櫃外壁有時會發熱，特別是在剛剛安裝之後。這種情況属于正常，這是由於內置的豎框乾燥機管防止雪櫃凝結水汽和散發熱能。
- 當濕度很高時（例如在雨季）在雪櫃機身外部可能會有水汽，特別是在櫃門密封墊周圍。請用乾淨的布片擦掉凝結的水汽。
- 新鮮盒里面的濕氣可能會凝結成水汽，所以需要用布片定期進行擦拭。每月對新鮮盒清潔一次。
- **切勿**長時間打開櫃門，特別是在炎熱潮濕的天氣裡更需注意。
- 雪櫃頂部采用鋼材製成的原因之一是為了防止外部撞擊引起火災。**請勿**在冰箱上面放東西 。

儲存食物時:



- **切勿**放置過多的東西。
  食品之間必須要有間隙以保持冷卻效果。
- 將水果和蔬菜儲存在蔬菜保鮮盒中，鎖緊水份，令食物長時間保鮮。
- 應蓋緊飲水瓶，飲料瓶，以防止異味進入瓶內。
- 用緊蓋，塑料膜或箔片蓋住多汁食品。
- 將蔬菜，水果及新鮮食品等食物放進雪櫃急凍或冷藏前，應使用保鮮紙包好或放入保鮮盒中。
- 如要長時間儲存，應將肉或魚等食物放入冷凍室。

應用使用時“Panasonic SmartApp+”。。。。

來自雪櫃設備的無線電波會對其他設備造成乾擾。因此：

- 裝有心臟起搏器的人必須與冰箱保持至少 15 厘米的距離。
- 冰箱必須遠離醫療設備和自動化設備（自動門、火災報警器等）

特點

■ 適合豪華廚房的高端設計



- 無邊框玻璃表面，帶現代設計、精致到每一個細節的手柄。
- 雪櫃容量大提供充足的食物存儲空間。
- 易於擴展的對稱 4 門設計讓尋找食物變得快速高效。

■ 高效節能

- 采用Panasonic變頻壓縮機，耗電更少、噪音更低。
- Panasonic獨家的ECONAVI技術，有助于識別用戶生活習慣的變化，雪櫃可自動調節，節省能源消耗。
- AI ECONAVI技術通過GPS數據智能高效節能。 檢測您的離開以實現智能節能，檢測您的位置以實現高效製冷。

■ 頂部壓縮機（Top Unit）

Panasonic的獨家設計，將壓縮機從傳統的底部位置移至頂部，優化了內部使用空間。

■ 自動製冰系統（Auto Ice Making）



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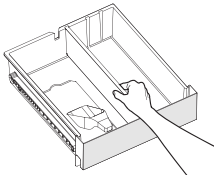

- 配備自動製冰系統，隨時滿足製冰需求。
- 5升大容量雪櫃，由無BPA抗菌材質製成，配備抗菌過濾網，對健康具有良好的安全性。
- 帶製冰功能。
- 帶停止製冰和自動清潔製冰機的功能。
- 冰盒分體式設計，分隔條可靈活調，增加儲冰空間，適合冰盒使用需求。

■ nanoe™ X技術和Ag Clean銀膜過濾器



Panasonic獨家的nanoe™ X技術和Ag Clean銀膜過濾器有助于除臭和中和細菌，保持食物新鮮。

■ 主保鮮格（Prime Fresh 1 和 Prime Fresh 2）和新主保鮮模式（Prime Fresh+）



- 主保鮮格的溫度可以在 -5 °C ~ 4 °C 之間變化。
  - 溫度 -5 °C ~ -1 °C(*)：用於食物保存的軟冷凍溫度，有助於節省解凍時間和精力，同時更長時間地保持食物的風味和新鮮度。
  - 溫度 0 °C ~ 4 °C(**)：與冷藏室溫度相同，當您需要更多空間在冷藏室中保存食物時。
- 大容量 Prime Fresh 保鮮格有助於存放更多食物，並能舒適地容納大尺寸食物。
- 兩個獨立的 Prime Fresh 保鮮格具有獨立的溫度控制，有助於更好地保存食物，避免氣味影響和交叉感染。 此外，大小相近的食物可以存放在同一個Prime Fresh櫃中，相應地調整合適的溫度，避免食物冷凍不夠或冷凍過頭的情況。
- 獨立的 Prime Fresh 外殼使其更易於拆卸和清潔。 （參見第 37 頁）
- 無需打開整個冰箱隔間即可使用 Prime Fresh 保鮮格，從而節省能源。

(*) 出廠默認設置溫度為 -3 ˚C。

(**) 當 Prime Fresh 1，Prime Fresh 2 隔間已滿，放置大量食物時，或根據儲存和環境條件，冷卻性能可能會降低。在這種情況下，主保鮮格的溫度應設置為最低-5 ˚C。

■ 急凍格（Prime Freeze）





- 根據每種模式快速冷凍新鮮食物或預製食品，保持新鮮的味道。
- 急凍模式（Prime Freeze）
  - 快速冷卻（Cool Down）3分鍾和5分鍾
  - 快速冷凍（Quick cooling）10分鍾和15分鍾
  - 急速冷凍（Rapid Freezing）45分鍾和60分鍾
- 根據加工的目的和食品的種類，可以選擇和使用不同的模式。
- 要調整 Prime Freeze 模式的時間，請參閱應用程序“Panasonic SmartApp+”。 該應用程序允許按分鐘調整時間，創建和保存在我的列表部分中流暢使用的 Prime Freeze 模式。

■ 蔬果格



大容量蔬果格配備蔬果格濕度調節器，保持蔬菜新鮮，延長保質期。

■ **全新可調節滑動玻璃托盤和酒架。**

- 冰箱隔間中的可調節滑動玻璃托盤允許靈活地存儲食物容量。
- 全新設計的酒架由豪華合金製成，方便冷藏冰箱內的葡萄酒和酒瓶。

■ **外置取水系統**



- 無需打開雪櫃門即可從外部取出冷飲用水。
- 4升大容量雪櫃，由無BPA抗菌材質製成，配備抗菌過濾網，對健康具有良好的安全性。

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■ **速凍模式（Quick Freezing）**

速凍模式使雪櫃內的溫度迅速下降，可保持食物的原味。

■ **方便的控製屏幕**



- 冷藏室、主保鮮室、冷凍室和急凍格都可以根據用戶的用途調節溫度及其模式。
- 冷藏室和製冰室有關閉雪櫃提醒模式。
- LED 顯示和控製面板清晰且易于操作。
- 有童鎖模式。
- 有遙控模式。

■ **通過智能應用程序“Panasonic SmartApp+”控製雪櫃**



- 智能應用程序“Panasonic SmartApp+”是一款遠程控製應用程序，只需連接到家用電器的LAN無線局域網並在智能手機上操作，即可輕鬆調整雪櫃的設置狀態。(參閱第25頁)
- 要通過此應用程序方便地使用冰箱功能，請參閱第 41 頁，並參閱松下網站上發布的“Panasonic SmartApp+”應用程序手冊作為第 43 頁上的鏈接。

安裝

安裝位置與牆壁間的距離

5厘米

- 雪櫃頂部和天花板之間必須至少留有5厘米的空隙。



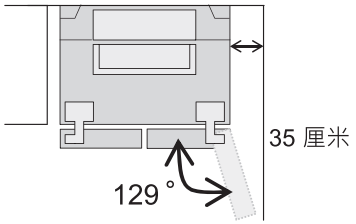
5厘米

- 雪櫃背面與牆壁之間必須至少留有5厘米的空隙。

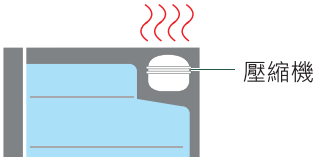
- 雪櫃側面與牆壁之間必須至少留有5厘米的空隙。

注意

- 如果雪櫃靠近牆壁安裝，必須確保雪櫃左側或右側與牆壁之間的距離至少為35厘米。如果這個空間不夠35厘米，門可能無法完全打開，玻璃擱板、蔬菜盒等可能無法取出。



- 請勿在雪櫃頂部放置任何物品。它會幹擾壓縮機的散熱，導致各部件變形或損壞。



- 第一次使用時：請清潔雪櫃內部。
  - 用柔軟的濕布擦拭。
  - 用水沖洗水箱、濾水器和冰盤。
  - 第一次開始使用時，會聞到塑料的味道。如果擔心，對整個房間進行通風換氣。
- 切勿把雪櫃放置在潮濕的地方。因為這樣容易生銹可能導致漏電。
- 切勿把雪櫃直接放置在陽光下照射。因為熱和陽光將使雪櫃溫度上升。
- 切勿將雪櫃靠近熱源，例如廚灶或烤箱。
- 切勿堵塞雪櫃四周的空隙。
- 雪櫃必須放置在空氣流通的位置。
- 如果雪櫃沒有接地插頭，須將其連接至接地端，以防止漏電的危險。

LED 燈和接地

- 專為本雪櫃設計的雪櫃內 LED 燈，無法由個人進行更換。
  若您需要更換時，請聯絡 ‘服務中心’ 。
- 如果冰箱內沒有接地線插頭，應接上接地線，以防漏電發生觸電事故。

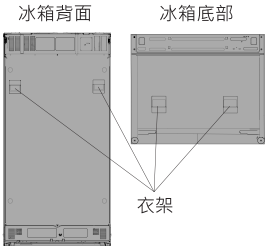
移動及搬運

1. 取出冰箱中的所有食物並處理掉剩餘的冰塊或水。
2. 拔下插頭。
3. 扭轉調整腳（左右），使它不接觸地板。
4. 將雪櫃背面托盤的水倒掉。將一個容器放在雪櫃背面的托盤後面，然後將托盤向後傾斜，讓水從托盤中流出。
   操作需要4人以上，其中2人擡起雪櫃前面，避免雪櫃滑動造成受傷。



※移動和搬運方法

- 至少需要4人搬運。
- 每人抬起冰箱的一個角，2人抬起冰箱的背面，
  2人抬起冰箱的底部，雙手放在冰箱背面和底部的掛架位置。
- 搬運雪櫃時，請勿抓著雪櫃門。



注意

- 建議在移動和運輸時使用衣架。
  請勿水平搬運冰箱，以免因重量過大而發生危險。
- 搬運時，用綁帶固定雪櫃門，避免雪櫃門自行打開。
- 搬運時，請勿將雪櫃側放，這可能會損壞雪櫃。
- 安裝完成後，至少等待4小時後再接通電源，
  以確保壓縮機內的氣體和油液處於穩定狀態。



如果左/右櫃門不同（或不一樣高）。

轉動下側的調節螺栓，如如圖 1 所示，為了調整等級。 冰櫃/冷藏櫃門在安裝後四到五天內可能會因食物負載或與地面不適應而發生傾斜，用專用工具轉動相應的調節螺栓進行調整，重新調平門即可恢復。

如上所述調整調節螺栓後，如果門還是歪的，以防冰箱門偏斜，繼續使用如圖 2 所示的墊圈 A*1 進行調整冷藏室門的高度以及冰箱門的縫隙。

1. 確定冷藏室門之間的偏差。
2. 選擇適當厚度（1 毫米、1.5 毫米、2 毫米）的墊圈 A*1。
3. 提起並握住較低的冷藏室門。
4. 將第 2 步中選擇的墊圈安裝到冷藏室門的鉸鏈位置。
5. 檢查冷藏室門之間的平衡。

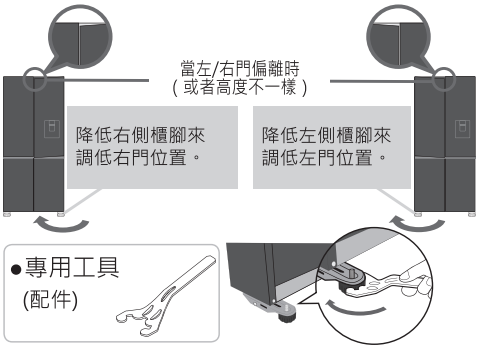
如果冷凍室門偏斜，請使用墊圈 B*2 並應用與冷藏室門相同的步驟。

*1 墊圈用於冷藏室門調整。

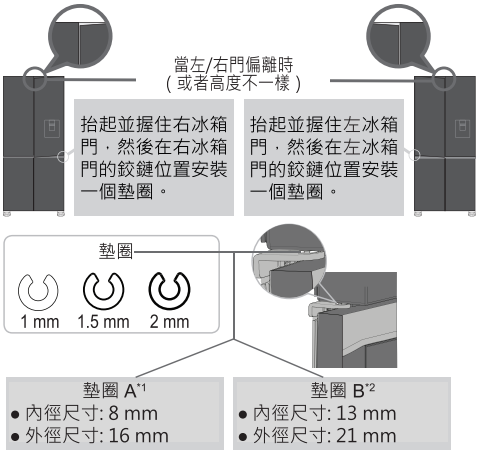
*2 墊圈用於冷凍室門調整。

注意

- 為此只能使用一個墊圈。 兩個或多個墊圈可能會滑出或發出摩擦聲。
- 使用正確的墊圈調整冷藏室/冷凍室門。
- 不要將門抬得太高。 門可能會接觸並損壞頂蓋。
- 將墊圈放在兒童接觸不到的地方。
- 保留剩餘的墊圈以備將來使用。



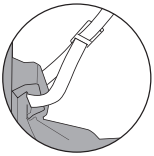
圖片 1



圖片 2

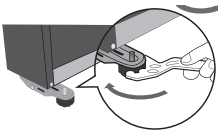
是否採取了任何措施來防止因地震而傾倒？

為避免雪櫃傾側，請使用固定帶等物件將其永久固定。



固定雪櫃。

旋轉可調節櫃腳（左右兩側），直至其觸及地面以穩定雪櫃。



在雪櫃內部冷卻期間，請勿打開/關閉雪櫃門 。

在雪櫃內部充分冷卻下來之前，請勿打開/關閉雪櫃門。（暖空氣流入雪櫃內將阻斷製冷功能。）

請等待直至雪櫃內部冷卻下來。

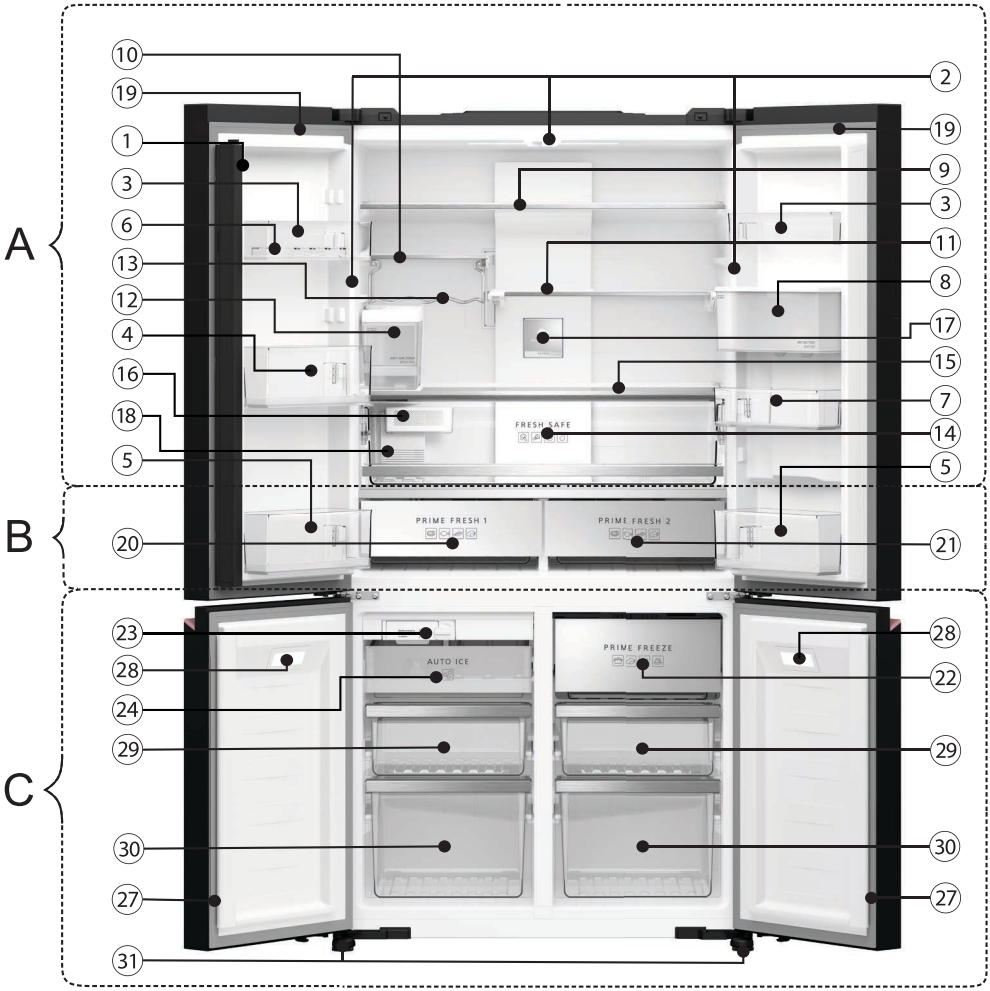
- 在冰箱內沒有食物且門未打開的情況下，冰箱可能需要連續運行至少 4 小時（或更長，尤其是在環境溫度較高的夏季）以冷卻內部。
- 根據環境溫度和使用條件，可能需要 24 小時才能使內部冷卻並達到正確的溫度。



各部名稱

雪櫃左門

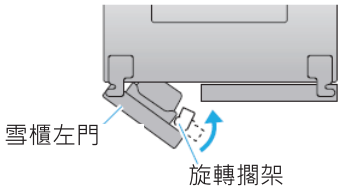
雪櫃右門



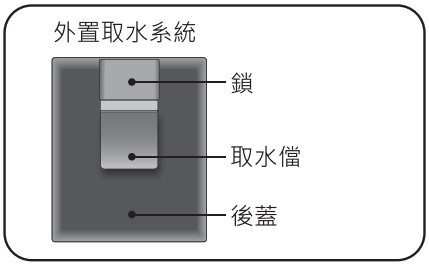
各部名稱

A-冷藏室

① 旋轉擱架
旋轉擱架用于縮小雪櫃左門和右門之間的間隙。如果它正在打開的，請將其折回到裏面。（否則雪櫃門無法閉合，造成雪櫃內冷空氣損失）



② 冷藏室LED燈（數量：3）
③ 小門架（數量：2）
④ 大門架
⑤ 瓶架（數量：2）
⑥ 蛋托
⑦ 實用架
⑧ 外置取水器水箱
⑨ 大玻璃托板
⑩ 小玻璃托板
⑪ 滑動玻璃擱板
⑫ 自動製冰機水箱
⑬ 酒架*
⑭ 蔬果格
⑮ 蔬果格玻璃托板
⑯ 蔬果格濕度調節器
⑰ nanoe™ X圖標
⑱ nanoe™ X設備
⑲ 冷藏室封條（數量：2）
*酒架的位置不是固定的，根據使用目的而變化。（參閱第27頁）

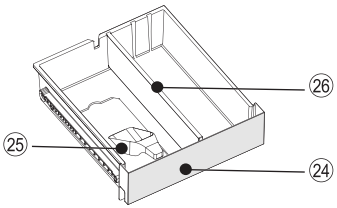


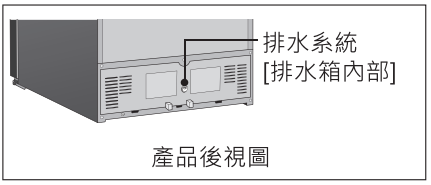
B-主保鮮格

⑳ 1號主保鮮格
㉑ 2號主保鮮格

C-冷凍室

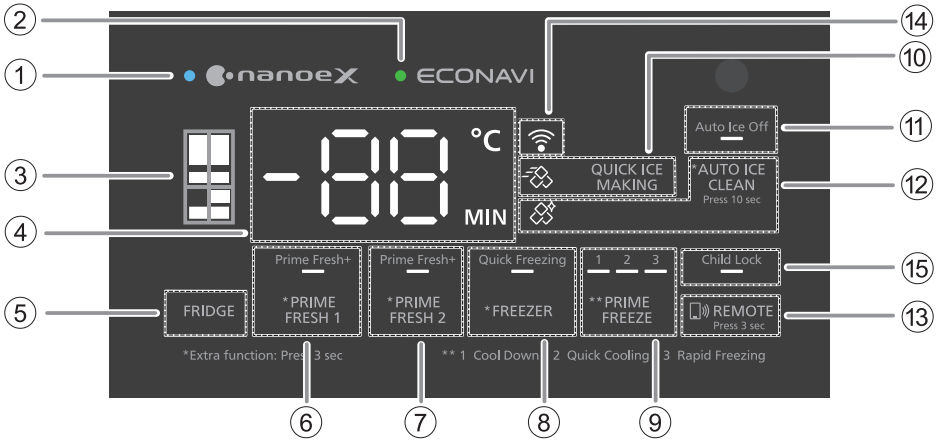
㉒ 急凍格
㉓ 自動製冰機
㉔ 冰盒
㉕ 冰勺
㉖ 可調節隔條
㉗ 冷凍室封條（數量：2）
㉘ 冷凍室LED燈（數量：2）
㉙ 上方冷凍室收納盒（數量：2）
㉚ 下方冷凍室收納盒（數量：2）
㉛ 可調節螺栓





產品後視圖

操作面板



① 顯示nanoe™ X模式的圖標和LED燈: 顯示nanoe™ X模式的當前狀態。
② 顯示ECONAVI模式的圖標和LED燈: 顯示ECONAVI模式的當前狀態。
③ 顯示各室的LED燈：選擇不同的室時，相應的室的圖標將亮起。
④ 溫度和時間顯示區：顯示冷藏室、冷凍室、1號主保鮮格、2號主保鮮格的溫度和急凍格式的時間。
⑤ 冷藏室溫度控制按鈕。
⑥ 1號主保鮮格溫度控制按鈕和新主保鮮格LED燈。
⑦ 2號主保鮮格溫度控制按鈕和新主保鮮格LED燈。
⑧ 冷凍室溫度控制按鈕和快速冷凍室LED燈。
⑨ 急速冷凍控制按鈕及LED燈。
⑩ 快速製冰模式的控制按鈕及LED燈。
⑪ 自動製冰停止模式的LED燈
⑫ 自動製冰機清潔模式控制按鈕及LED燈
⑬ 無線 LAN 網連接控制按鈕。
⑭ 無線 LAN 網連接LED燈。
⑮ 童鎖模式LED燈。

注意

- 在顯示控制面板上：“*Extra function：Press 3 sec”，即要啓動附加功能時，需要長按前面標有“*”的按鈕3秒。
- 在正常情況下，控制面板燈熄滅。當您按下按鈕時，操作面板燈將亮起。 冰箱門打開時，操作面板燈會熄滅，所有按鈕都不會被操作。
- 夏季氣溫高，放置未冷凍的食物或頻繁開閉門時，雪櫃內溫度會升高，顯示值將高于設定溫度，因此請減少開門次數。

操作面板

- 接通電源後，控制面板將顯示各模式介紹和各室的溫度約10秒。在此期間，各按鈕尚未工作。10秒後，可以正常調整控制面板。
- 清潔雪櫃門面時，請使用兒童鎖模式鎖定操作面板，以防止意外調整控制面板上的按鈕，請參閱第 24 頁。
- 當連接到無線 LAN 時，操作面板上的 3 個按鈕：“Prime Fresh 2”、“Auto Ice Clean”和“Quick Ice Making”將不起作用。其他“Fridge”、“Prime Fresh 1”、“Freezer”、“Prime Freeze”和“Remote”將適用於無線局域網連接模式。請完成或取消無線局域網連接模式以正常使用操作面板。（參見第 25 頁）

溫度控制

- 雪櫃出廠時，冷藏室、1號主保鮮格、2號主保鮮格、冷凍室的設定溫度分別為4 ℃、-3 ℃、-3 ℃、-20 ℃。如想調整冷凍功率，可以更改溫度設置。
- 冷藏室的設定溫度範圍為1 ℃~7 ℃，主保鮮格為 -5 ℃~4 ℃（主保鮮格溫度為 -5 ℃~-1 ℃，如冷藏室一樣使用的主保鮮格溫度為 0 ℃~4 ℃），冷凍室為 -23 ℃~-15 ℃。
- 雪櫃內的溫度會根據環境溫度、安裝狀態、使用條件和食物數量而有所不同。
- 由于測試方法和工具不同，實際測試溫度可能與顯示溫度有所不同。
- 本雪櫃配備了處理器來控制雪櫃內的溫度。當環境溫度變化、壓縮機運行或停止、門打開或關閉、室內溫度波動時，導致雪櫃內溫度與設定溫度略有差異。

■ 溫度設置及溫度設置說明

1、顯示當前溫度

觸摸下面的圖標以顯示：冷藏室、1號主保鮮格、2號主保鮮格、冷凍室的當前溫度。選擇時，當前溫度相應的每個室的指示燈都會亮起。

圖標	室別	位置LED燈	溫度指示燈
FRIDGE	冷藏室		4 ℃
* PRIME FRESH 1	1號主保鮮格		-3 ℃
* PRIME FRESH 2	2號主保鮮格		-3 ℃
* FREEZER	冷凍室		-20 ℃

溫度控制

2、溫度設置

觸摸要設置的室（冷藏室、1主保鮮格、2主保鮮格、冷凍室）圖標，以顯示當前溫度後，再次觸摸開始溫度設置過程。此時，位置LED燈和溫度LED燈會閃爍。
繼續觸摸該室圖標，以選擇所需的溫度。每次按下按鈕，溫度就會升高或降低1 ℃。

3、溫度設置完畢

溫度設置完畢後，再按一個按鈕完成或等待5秒，操作面板將保存您剛剛所做的設置。

■ 如何操作“微調”模式

這款冰箱專為特定用途而設計，可調節冷藏室13級溫度和冷凍室17級溫度，詳情如下：

調節冷藏室的溫度

1. 按 [FRIDGE] 按鈕開始該過程。
2. 繼續按 [FRIDGE] 按鈕將溫度設置為 7 °C。
3. 要運行“微調”模式，請按住 [FRIDGE] 按鈕 10 秒鐘或直到聽到提示音。
4. 按下 [FRIDGE] 按鈕可將溫度調節至 13 個不同的級別。 每按一次按鈕，溫度將在冷藏室的溫度設置範圍內增加 0.5 °C。 如果選擇超出冷藏室溫度範圍，操作面板將顯示溫度返回到上述範圍內的最低水平。

LED 顯示屏圖表

制冷等級 / 個等級	最小值 → 最大值												
	1	2	3	4	5	6	7	8	9	10	11	12	13
LED 顯示屏	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0

設置值將分兩步顯示，分別從整數部分到小數部分。
例如：顯示設定溫度 4.5 °C。
首先，操作面板顯示整數部分為4℃，1秒後小數部分顯示為_5℃。



此過程將重複，直到屏幕關閉或觸摸另一個按鈕。

重置冷藏室的“微調”模式設置

重複步驟 1 ~ 3 使冷藏室恢復正常運行模式。

溫度控制

調節冷凍室的溫度

1. 按 [FREEZER] 按鈕開始該過程。
2. 繼續按 [FREEZER] 按鈕將溫度設置為 -15 °C。
3. 要運行 “微調” 模式，請按住 [FREEZER] 按鈕 10 秒鐘或直到聽到提示音。
4. 按下 [FREEZER] 按鈕可將溫度調節至 17 個不同的級別。 每按一次按鈕，溫度將在冷凍室的溫度設置範圍內增加 0.5 °C。 如果選擇超出冷凍室溫度範圍，操作面板將顯示溫度返回到上述範圍內的最低水平。

LED 顯示屏圖表

制冷等級 / 個等級	最小值 → 最大值																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LED 顯示屏	-23.0	-22.5	-22.0	-21.5	-21.0	-20.5	-20.0	-19.5	-19.0	-18.5	-18.0	-17.5	-17.0	-16.5	-16.0	-15.5	-15.0

設置值將分兩步顯示，分別從整數部分到小數部分。
例如：顯示設定溫度 -20.5 °C。
首先，操作面板顯示整數部分為-20°C，1秒後小數部分顯示為_5°C。



此過程將重複，直到屏幕關閉或觸摸另一個按鈕。

重置冷凍室的 “微調” 模式設置

重複步驟 1 ~ 3 使冷凍室恢復正常運行模式。

注意

- 主保鮮格外殼沒有 “微調” 模式。
- 無法通過 “Panasonic SmartApp+” 應用程序設置 “微調” 模式。
  當設置 “微調” 模式時， “Panasonic SmartApp+” 應用程序上顯示的溫度將始終為平均溫度（冷藏室為 4 °C；冷凍室為 -20 °C），如果使用 “Panasonic SmartApp+” 調節冷藏室或冷凍室的溫度， “微調” 模式將退出並返回正常操作。
- 當設置為 “微調” 模式時，ECONAVI 操作將不起作用。

ECONAVI操作

檢測門的打開和關閉以及雪櫃周圍的亮度，並自動操作控製，從而節約能源。(*)



■ ECONAVI操作

- 雪櫃在開啟及偶爾執行使用期間，可以學習您的家庭生活方式，以最大程度地提高能源效率。
- 雪櫃前3周學習您的生活方式，從 第 4 周開始可按您的生活方式來執行工作。
- 當雪櫃周圍變暗時，將執行ECONAVI節能操作，例如在夜間。

■ 啟用 ECONAVI 操作的設定

- 當冷藏室和冷凍室的溫度控製器設置為冷藏室溫度 4 ℃和冷凍室溫度-20 ℃時，ECONAVI運行模式會自動激活。
- “速凍”、“急凍模式”或“快速製冰”模式正在運行中，則 ECONAVI模式不會運行。
- 不能強行啟動 ECONAVI 操作。

注意

(*) ECONAVI模式的效力視乎環境溫度、環境的亮度、次數和門打開和關閉狀態，以及食品存儲狀態而不同。

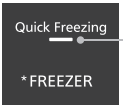
nanoe™ X

- nanoe™是被水粒子包圍的超細微離子粒子的集合。
  nanoe™ X是具有超細微的帶電水粒子，其OH自由基是nanoe™ 的10倍.
- nanoe™ X模式將在雪櫃通電時啓動，並在使用雪櫃時始終運行。然而，由于nanoe™ X運行時需要濕度，因此如果雪櫃內濕度降低（如存放少量果菜等），此模式的有效性可能會降低。
- 在運行過程中，nanoe™ X設備可能發出微小的聲音。
- 長時間關閉雪櫃門後，打開雪櫃門時，會感覺到運行過程中產生的臭氧特有氣味，這是正常現象。

速凍 (Quick Freezing)

設置為“Quick Freezing”(速凍)時，雪櫃將快速降低溫度，以更好地保存食物。

■ **如何操作“Quick Freezing”(速凍)模式**



燈亮起：Quick Freezing (速凍) 運行
燈熄滅：Quick Freezing (速凍) 停止

- 按住圖標“Freezer” 3秒鐘以啓動速凍模式。此時，圖標下方的燈 “Quick Freezing” 會亮起。
- 想停止速凍模式時，再次觸摸並按住“Freezer” 3秒直到指示燈熄滅爲止。

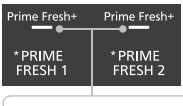
注意

- “速凍”模式運行150分鍾後自動停止並返回正常模式。（[Quick Freezing]（速凍）LED燈熄滅）
- [Quick Freezing]（速凍）LED燈閃爍表示除霜系統正在運行。除霜完成後，“速凍”模式將立即啓動。
- 當速凍模式結束時，冷凍室的溫度將恢複到先前設定的狀態。
- 當速凍模式啓動時，以下模式（如果處于工作狀態）將停止：“Prime Fresh+”（新主保鮮格式）、“Quick Ice Making”（快速製冰模式）、“Prime Freeze”（急凍模式）。

新主保鮮制模式 (Prime Fresh+)

設置為“Prime Fresh+” (新主保鮮制模式)時， 主保鮮格將快速降低溫度，以更好地保存食物。

■ **如何操作“Prime Fresh+”(新主保鮮制模式)**



燈亮起：新主保鮮制模式運行。
燈熄滅：新主保鮮制模式停止。

- 按住圖標“Prime Fresh 1” 或“Prime Fresh 2”圖標 3秒以啓動新主保鮮制模式。此時，“Prime Fresh+” 圖標下方的燈會亮起。
- 想停止新主保鮮制模式時，再次觸摸並按住“Prime Fresh 1”或“Prime Fresh 2” 3秒直到指示燈熄滅爲止。

注意

- “新主保鮮制模式”會在運行105分鍾（環境溫度為18 ℃及以下）或145~150分鍾（環境溫度為18 ℃以上）後自動停止，並返回正常模式。（[Prime Fresh+]（新主保鮮制模式）LED燈熄滅）
- [Prime Fresh+]（新主保鮮制模式）LED燈閃爍表示除霜系統正在運行。除霜完成後，“新主保鮮制模式”將立即啓動。
- 當新主保鮮制模式結束時，保鮮室的溫度將恢複到先前設定的狀態。
- 當新主保鮮制模式啓動時，以下模式（如果處于工作狀態）將停止：速凍模式（Quick Freezing）、快速製冰模式（Quick Ice Making）、急凍模式（Prime Freeze）。
- “新主保鮮制模式”在保鮮室溫度設置為0 ℃~4 ℃時不會啓動。

急凍模式（Prime Freeze）

急凍格（Prime Freeze）是位于冷凍室的一個特殊室。該室配備了獨立的風機系統和高級傳熱鋁板，可根據每個加工目的調整冷凍時間，以支持用戶以多種方式烹饪，節省時間。

■ **急凍格運行方法**

1. 觸摸控制面板上的急凍格（Prime Freeze）控制按鈕。此時，顯示該室位置的LED燈、顯示1-2-3(*)模式的LED燈和顯示急凍格運行時間(**)的LED燈將在選擇時亮起。

圖標	室別	位置LED燈	1-2-3（*）模式 LED燈	運行時間LED燈
**PRIME FREEZE	急凍格		1 2 3	MIN

(*)對于1-2-3模式LED燈：
- 如果之前設置的時間尚未用完，LED燈將顯示之前設置模式。
- 如果之前設置的時間已經用完，則1-2-3模式LED燈都熄滅。

(**)對于運行時間LED燈：
- 如果之前設置的時間尚未用完，將顯示剩余分鍾值。
- 如果之前設置的時間已經用完，則顯示的分鍾值為 “--” 。

2. 繼續觸摸急凍格（Prime Freeze）控制按鈕，此時，位置LED燈會閃爍。此步驟後，如果之前設置的時間尚未用完，分鍾值將被清除並顯示為 “--” 。觸摸急凍格控制按鈕，直到選擇到所需的模式為止。每次觸摸，顯示運行時間的LED燈將顯示每個相應模式的時間。

3. 溫度設置完畢
溫度設置完畢後，再按一個按鈕完成或等待5秒，操作面板將保存您剛剛所做的設置。

4. 模式結束
一個模式時間結束後，顯示屏將顯示為 “0” 並且會有提示音。提示音將每2分鍾響一次，持續6分鍾，直到您按下控制面板上的 “Prime Freeze” 圖標或冷凍室門打開時。如果在模式結束後沒有立即取出食物，食物可能會被冷凍得超過預期。

■ **急凍格的模式：**

模式名稱	顯示	加工目的	模式（單位：分）	推薦食物類型	注意
快速冷卻 1 Cool Down	1	快速冷卻溫/熱食物	3	• 飯盒（150 g） • 土豆沙拉（150 g）	- 不要蓋住盒蓋或用保鮮膜包裝食物，以確保快速冷卻效果。如擔心食物的氣味，可以使用蓋子或保鮮膜，但食物可能不夠冷。 - 5分鍾是1盒飯盒（約150 g）或200 g 預製食品的估計時間。如果食物量較大，冷卻時間可能會更長。 - 200 ml以上的嬰兒奶可以在快速冷凍模式下冷卻10分鍾。 - 用快速冷卻模式將奶冷卻後，給寶寶喂奶前一定要檢查奶溫。
			5	• 飯盒（300 g） • 土豆沙拉（300 g） • 嬰兒奶（100 ml） • 湯（150 ml）	
快速冷凍 2 Quick Cooling	2	快速冷凍食物以節省准備食物和甜點的時間。	10	• 咖喱（200 g） • 魚類（100 g） • 布丁（2個） • 果凍（2個）	- 對于需要腌製或調味的菜料，如：肉類、炸/烤魚、腌雞蛋等，請將菜料和調料放入密封盒/袋中。菜料將在冷凍過程中滲透調料。 - 對于難以切片的生肉、魚和蝦，當置于快速冷凍模式時，切片工作會更容易。 - 使用鋁或金屬杯盛裝果凍或甜點。使用陶瓷或瓷器容器，食物可能不夠冷。 - 此模式可用于快速冷凍飲料。
			15	• 咖喱（400 g） •雞大腿（250 g） •布丁或焦糖（4個） • 由明膠製成的果凍或蛋糕（4個）	
急速冷凍 3 Rapid Freezing	3	對剛烹饪的菜肴進行急速冷凍，確保烹製食物的保鮮質量，節省每天的烹饪時間。	45	•牛肉（150 g） •水煮蔬菜（1束西蘭花） • 生蔬菜（250 g 切碎的白菜） • 炸雞（250 g 2人） • 水果冰淇淋（300 ml） •面包（2個）	- 用保鮮膜、冷凍袋包裝或蓋緊新鮮食物、煮熟的蔬菜。 - 對于油炸食品（炸雞、炸蝦/魷魚、春卷、肉團），應放在鋁盤內，並以“急速冷凍”模式運行。冷凍後，放在冷凍袋或盒子中儲存。 - 此模式可用于冷凍一些水果，如：草莓、荔枝、漿果等，以便長期保存。
			60	•冷凍肉（350 g） • 雞肉，1/2只（500 g） •牛肉（250 g） • 製作冰塊（1盤）	

急凍模式（Prime Freeze）

注意

- 始終將食物放在傳熱鋁板上，以達到最佳冷凍效果。
- 如果在沒有蓋子或保鮮膜包裝的情況下放置熱的或濕的食物，食物表面可能會凝固或在冷藏室內形成露水。如果擔心，請使用蓋子或保鮮膜包裝好。
- 如果煮熟的食物仍處於高溫狀態，應將其冷卻至 70 °C 左右，然後再放入急凍格。
- 把玻璃瓶或罐放在雪櫃裏面可能會存在破損、開裂或損壞的風險。
- 請勿將食物放置在高于急凍格高度，以免急凍格門無法關緊，導致結霜並損壞急凍格中的食物和容器。
- 請勿用濕手直接接觸金屬收納盒，存在凍傷風險。
- 在運行急凍模式（Prime Freeze）的過程中：
  - ECONAVI 模式將停止。
  - 風機的噪音會更大。
  - 耗電量會比平時高。
  - 如設置快速製冰模式（Quick Ice Making），速凍(Quick Freezing)，新主保鮮製模式(Prime Fresh+)，則急凍模式（Prime Freeze）將停止。
  - 急凍格LED燈在除霜系統運行時閃爍，並在除霜完畢後停止閃爍。這是正常現象。
- 當不使用急凍模式（Prime Freeze） 時，急凍格都可以用作冷凍室內的任何其他位置。
  - 可以存放小食物，方便查找。
  - 該室的溫度可能會高于整個冷凍室的溫度，為了長期保存，請將食物移到冷凍室。

快速製冰模式（Quick Ice Making）

設置快速製冰時，冰箱將增加其容量以減少製冰時間。

■ **快速製冰模式運行方法**



指示燈亮起：快速製冰模式工作。
指示燈熄滅：快速製冰模式不運行。

- 連續按兩次“Quick Ice Making”圖標開始快速製冰。 然後，快速製冰圖標將亮起。
- 想停止快速製冰模式時，再次觸摸並按住圖標“Quick Ice Making” 直到指示燈熄滅爲止。

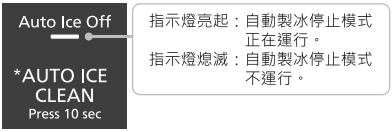
注意

- 當快速製冰模式啓動時，以下模式（如果處于工作狀態）將停止：
  - 速凍模式（Quick Freezing）
  - 新主保鮮模式（Prime Fresh+）
  - 急凍模式（Prime Freeze）
  - 自動製冰模式（Auto Ice Off）

自動製冰停止模式和製冰機清潔模式

雪櫃運行時，自動製冰模式（Auto Ice）將自動運行，而無需任何設置。當設置自動製冰停止模式和製冰機清潔模式時，雪櫃將停止自動製冰機並自動清潔製冰機。

■ **自動製冰停止模式運行方法**



- 按住圖標 “Auto Ice Clean” 觸摸3秒以停止自動製冰。此時，自動製冰停止模式圖標燈會亮起。
- 想重新啓動自動製冰模式時，按住圖標 “Auto Ice Clean” 觸摸3秒。此時，自動製冰停止模式圖標燈會熄滅。

注意

- 當自動製冰停止模式啓動時，快速製冰模式將停止。

■ **製冰機清潔模式運行方法**



- 按住 “Auto Ice Clean” 圖標 10 秒鐘以啟用自動清潔模式。 此時，製冰機自動清潔模式圖標燈將打開。
- 製冰機清潔過程結束時，冰箱會發出提示音。

注意

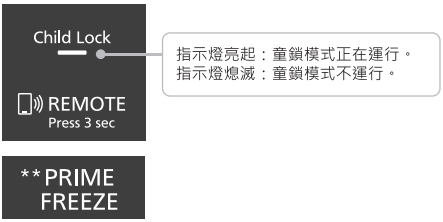
- 當製冰機清潔模式正在處理時，無法停止/禁用其操作，也無法通過 “Panasonic SmartApp+” 應用程序控製其他模式。

製冰機自動清潔操作詳見第32頁。

童鎖模式（Child Lock）

設置童鎖模式時，控製面板會禁用溫度和模式調整觸摸，以防止兒童意外調整。

■ **童鎖模式運行方法**



- 同時按下 “Remote” 圖標和 “Prime Freeze” 圖標 3 秒以啟動童鎖模式。 然後， “Child Lock” 圖標下方的燈將亮起。
- 當您想要停止童鎖模式時，同時按下 “遙控” 圖標和 “Prime Freeze” 圖標 3 秒鐘。 然後 “Child Lock” 圖標下方的燈將熄滅。

LAN 無線網絡

■ 無線局域網連接模式

無線局域網連接模式會將冰箱連接到無線局域網路由器。 用戶使用無線局域網連接方式將冰箱連接到無線局域網路由器。 用於首次購買冰箱，或更換冰箱電路板，或更換無線局域網路由器信息（網絡名稱、密碼），或更換冰箱主人。



燈閃爍 ：指示正在連接無線局域網連接模式。
燈亮起 ：已連接無線局域網連接模式成功。
燈熄滅 ：無線局域網連接模式連接模式不工作。

- 按住 “Remote” 圖標 3 秒以啟動無線局域網連接模式。當無線局域網連接模式激活時，無線局域網連接模式的 LED 將閃爍。 成功完成連接過程後，無線局域網連接模式的 LED 將亮起。
- 當您想取消無線局域網連接模式時，按住 “Remote” 圖標 3 秒鐘。 屆時，無線局域網連接模式的 LED 將閃爍。

■ 無線局域網模塊的電源設置



- 當無線網卡電源關閉時，同時按住 “Remote” 和 “Freezer” 圖標3秒，打開無線網卡電源。
  “on” 在操作面板上顯示 5 秒鐘。 然後，打開無線局域網連接模塊的電源。
- 在無線網卡電源開啟的情況下，同時按住 “遙控” 和 “冷凍” 圖標3秒，即可關閉無線網卡電源。
  “oF” 在操作面板上顯示 5 秒。 然後，關閉無線局域網連接模塊的電源。

注意

- 當啟用無線局域網連接模式時，無線局域網模塊會自動由冰箱啟動。 屆時，冰箱將連接到網絡。
- 如果您不使用無線局域網連接連接，請關閉無線局域網連接模塊的電源以節省電量並避免來自其他移動設備的意外設置。
- 如果更改無線局域網連接路由器信息，應執行以下步驟：
  - 通過以下方式刪除之前存儲在冰箱上的路由器信息：
    1. 按住 “Remote” 圖標 3 秒，然後操作面板顯示 “C2” 。
    2. 同時按住 “Freezer” 和 “Prime Freeze” 圖標3秒，冰箱發出提示音，操作面板顯示 “In” 。
    3. 當操作面板不再顯示 “In” 且無線局域網連接指示燈閃爍時，信息將被刪除。
  - 使用無線局域網連接連接模式重新連接到路由器。 然後，打開手機上的 “Panasonic SmartApp+” 應用程序並按照應用程序上的說明進行操作。

LAN 無線網絡

■ **無線局域網的 LED 操作**

- 當無線網卡模塊斷電時，無線網卡的指示燈熄滅。
- 當無線網卡模塊開啟並連接無線網卡時，無線網卡的指示燈點亮。
- 當無線網卡模塊上電且未連接無線網卡時，無線網卡指示燈每0.5秒閃爍一次。
- 當無線網卡模塊開啟且與無線網卡模塊的通訊失敗時，無線網卡的 LED 每 0.1 秒閃爍一次。
- 重新啟動無線網卡模塊後，無線網卡的指示燈會閃爍，尋找並重新連接之前保存的無線網卡網絡。

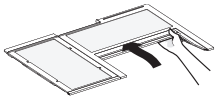
冷藏室

冷藏室溫度設定範圍為1 ℃ ~ 7 ℃。
如果冷藏室的溫度長時間設置在1 ℃，食物可能會凍結。

滑動玻璃擱板使用方法

將前半部分玻璃托盤向後滑動，然後
您可以存放較高的物品，而無需躺下存放。

根據使用目的，可以改變載玻片托盤的位置以放置更多物品。





滑動玻璃擱板拆卸，詳見第35頁。

蔬果格

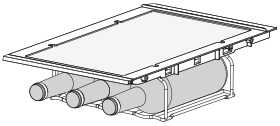
大開導軌系統的大蔬菜抽屜，可容易拿出深藏在抽屜裏面的食物，增加承載力，讓用戶只用一只手輕輕拉動抽屜。濕度控制器有助于控制蔬菜抽屜的濕度，可幫助蔬菜保持濕度和新鮮度。

注意

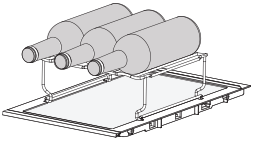
- 由于濕度高，水滴會粘附在蔬菜抽屜壁上。如果有水或水滴殘留，請用軟布擦掉。
- 請勿把食物放置高于蔬菜抽屜的高度，很容易導致門關不上的情況，導致結霜，蔬菜和水果可能會被卡住並變質。

酒架使用方法

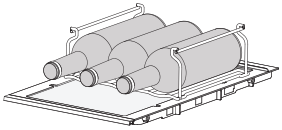
酒架可以通過三種方式靈活放置在不同的位置：



將酒架掛在冷藏室的小玻璃擱板下方。



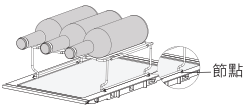
將酒架掛在冷藏室的小玻璃擱板上方。

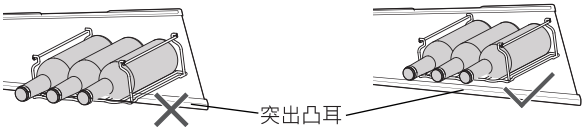


將酒架的表面放在冰箱玻璃擱板上。

注意

- 將酒架的腿固定到小玻璃擱板的標籤上冷藏室。
- 確保酒架沒有伸出玻璃托盤的突出凸耳，以避免在打開 / 關閉冰箱門時移動。





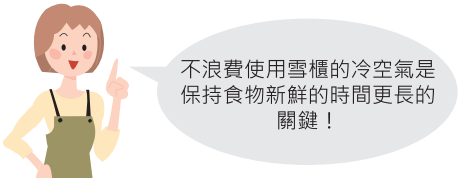
- 當酒架在冰箱的玻璃托盤上移動時可能會產生噪音。 這是正常現象。

如何拆卸酒架，請參考第 38 頁。

食物保存小貼士

■ 請勿把雪櫃裝得太滿

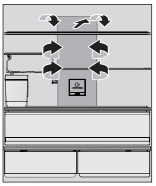
裝得太滿時，雪櫃內的冷風無法流通，
會影響冷凍性能。在各種食物之間留出空間！



■ 請勿放置阻礙雪櫃內的空氣流通的食物

如果冷氣不擴散，雪櫃內部很難下降溫度，
需要消耗更多的電力來冷凍。

因此，食物不應阻塞通風口前，阻礙雪櫃內的空氣流通。



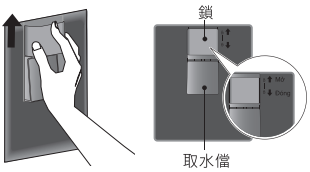
*通風口位于冷藏室的空氣吹送裝置。

冷藏室

外取水系統使用說明

設置有外置取水系統，無需打開冰箱門即可從外部取冷水。

■ 外取水方法



1. 向上推鎖直到接觸到上邊緣。
2. 將杯子伸直輕輕推動水龍頭桿以出水。

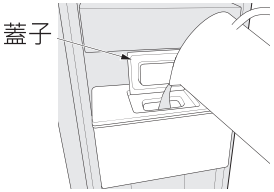
注意

- 取水水後，將杯子慢慢取出，以免水流出。
- 如果有水溢出，請用毛巾擦乾淨。
- 當需要鎖定外取水模式時、將鎖向下拉，
  直到它接觸到下邊緣並會看到紅線。
  如果不需要鎖定外取水模式，則可以跳過此步驟。



■ 水箱使用方法

1. 打開蓋子，將水箱裝滿倒水即可使用。
2. 蓋緊蓋子並關閉冰箱門以進行冷凍。



注意

- 第一次使用時，先清洗水箱。
- 請勿將50 ℃以上的熱水倒入水箱。
- 水箱最多可容納4升。請勿將水倒在水箱上的4升標記處。
- 只倒入普通的飲用水，請勿倒入啤酒、汽水、汽水燈。
- 使用雪櫃時，請確保水箱始終安裝在正確的位置。
  否則會影響冷凍性能，導致雪櫃門外出汗。
- 使用前檢查水箱。
- 水固體含量必須為100mg/L及以下。礦物質呈白色漂浮物。
  這些礦物質是無害的。

主保鮮格

主保鮮格內的溫度可以按以下靈活選擇：

- 食品主保鮮的標準溫度為 -5 ℃ ~ -1 ℃。
- 使用主保鮮格作為冷藏室的溫度為 0 ℃ ~ 4 ℃。

使用冰箱時，冰箱有2個獨立的主保鮮格，溫度可以根據儲藏和使用需要調節。

主保鮮的預設溫度為 -3 ℃。

使用主保鮮格 **大約-5 ℃~-1 ℃**

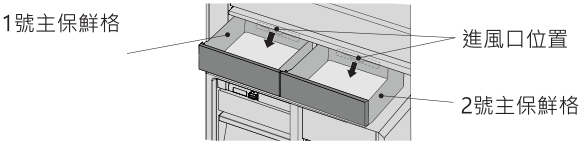
- 適用儲存魚、肉等新鮮食物。與冷藏室相比、魚、肉的儲藏壽命會延長。
- 在兩個獨立的主保鮮格存放時、通過調整食物的類型以減少不同食物的氣味和味道的影響、例如將生的食物放入 1號主號保鮮格、將熟食放入2號主保鮮格。



易於切開
冷凍食物易於切開!
更為方便。



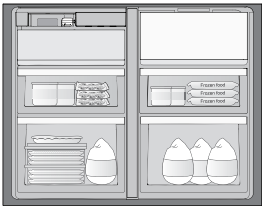
- 食物冷凍過度時。
  魚片或肉片可能會過度冷凍。請將溫度設置為高於-3℃、以避免食物過度冷凍。
- 當食物沒有部分冷凍時。
  根據食物的類型，例如大塊肉或大魚，或食物的裝滿程度、儲存條件和環境溫度，食物可能不會像預期的那樣部分冷凍。 如果是這種情況，則將最低溫度設置為 -5 ℃。
- 為了減少食物過度冷凍或未按要求冷凍的影響、可以將大小相似的食物放在主保鮮格、並調整到合適的溫度。
- 切勿儲存過多的食品。當食品過多且雪櫃內沒有冷氣循環的空間時、製冷效果會受影響。在食物之間保持充分的間隔！
- 當大量儲存食物時、例如大塊肉、魚或雞肉、建議將食物放在主保鮮格的中心、以優化製冷效果。
- 當主保鮮格的溫度設定爲0℃~4℃時、新主保鮮制模式（Prime Fresh+）模式將不會運行、以避免食物變質。
- 打開2號主保鮮格和儲存食物時、請打開冷藏室的兩個門。僅打開右冷藏室門時、無法拉出2號主保鮮格。
- 切勿用主保鮮格內的食物堵塞冷氣出口。
  如果冷氣沒有擴散主保鮮格的每個角落、雪櫃內部將無法充分製冷、食物保鮮可能受影響。因此，食物不應放在冷氣導管（在1號主保鮮格和2號主保鮮格）前面，以免阻塞內部的冷氣循環。



冷凍室

冷凍食品長期儲存

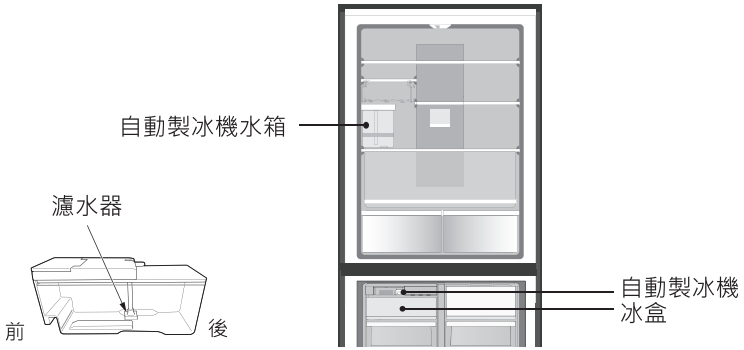
冷凍室的溫度範圍為 -23 ℃ ~ -15 ℃。°C.



冷凍食物和鎖定風味的三個技巧

1. 快速冷凍薄且小的食物
2. 完全密封
3. 不要重新急凍

自動製冰



為方便使用自動製冰機

○ 自動製冰時，請僅使用飲用水。

水硬度應為100mg/L及以下。



飲用水

× 請勿將以下液體倒入供水箱。
（以下液體可能會損壞自動製冰系統）



果汁等



運動飲料



汽水



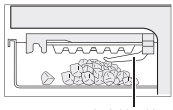
熱水

小貼士

- 水硬度應為100mg/L及以下。礦物質呈白色漂浮顆粒。這些礦物質是無害的。
- 第一次使用自動製冰機時，製冰機等處可能會有異味或積聚灰塵。
  請放棄第一次製冰的冰塊。
- 定期使用自動製冰機自動清洗功能。（第24頁）

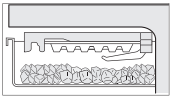
注意

當冰滿時，觸動冰塊檢測杆，製冰模式將自動停止。



冰塊檢測杆

冰塊形成一堆，將接觸冰塊檢測杆。
（此時，自動製冰模式會停止）



將冰塊均勻地鋪在存冰盒，以製出更多的冰塊。

要求

- 請勿將水直接倒入存冰盒製冰。
  （否則，存冰盒可能會破裂）
- 請勿將食物或其他物品倒入存冰盒。
  （否則無法正確檢測冰量，自動製冰機可能會停止工作或無法拉出存冰盒）

在以下情況下，製冰時間會更長。

- ●第一次使用雪櫃。
  （至少需要24小時，因為自動製冰功能僅在雪櫃內部夠冷時方啓動）
- ●經常打開雪櫃門時。
- ●雪櫃門半開時。
- ●雪櫃裝滿食物時。
- ●室內溫度冬天較低或夏天較高時。
- ●發生電氣故障時。

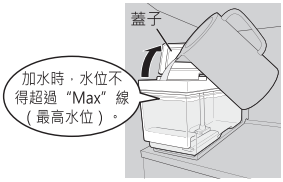
自動製冰水箱使用方法*

1 取出供水箱。



將水箱拉出直到被堵住為止。
如果水位低于“Min”線（最低水位），請加水。

2 裝滿水。



打開蓋子，將水箱裝滿水，然後將蓋子放回原位。

3 蓋好蓋子。



確認水箱的方向並安裝，直到到位為止。
（如果不把水箱安裝到位，則無法製冰）

*可以在大約2小時內製冰，冷藏室的溫度為 4 ℃，1號主保鮮格和2號主保鮮格為 -3 ℃，冷凍室為 -20 ℃。

如何快速製冰

■ **當設置為“Quick Ice Making”模式（快速製冰）時，製冰速度會增加。**
僅需90分鍾即可製冰**。

注意

- 約6小時後，該模式將自動恢複正常自動製冰模式。
- 當雪櫃處于除霜模式時，[Quick Ice Making]（快速製冰）LED 燈將閃爍。除霜完成後，快速製冰模式將立即啓動。
- 在快速製冰模式下，消耗能量會比正常增加更多。
- 在設置“Quick Ice Making”（快速製冰）模式時，ECONAVI模式不會運行。

**室內溫度為 20℃時，冷藏室、1號主保鮮格 、 2號主保鮮格為、冷凍室的溫度分別為 4 ℃、-3 ℃、-3 ℃、-20 ℃。

冷凍室

自動製冰機清潔方法

第一次使用或長時間不使用時，冰盤可能會有異味或積聚灰塵。進行清潔製冰機前，請先清潔冰盤。
選擇製冰機清洗模式後，會自動將水倒入冰盤和供水管3次（約2分鍾）以排出水。
選擇製冰機清潔模式時，請確保水箱內是否有足夠的水。

1. 從製冰室中取出冰盒，取清冰盒中的全部冰塊（當已形成冰塊時），然後將冰盒放回原位。
2. 將水箱填充足夠量的水。
3. 選擇製冰機清潔模式（第24頁）。
   - 水箱同時發出斷斷續續的聲音，並開始清潔製冰機。
   - 製冰機清潔過程中，聲音無法關閉。
   - 當哔聲結束時，控製面板上的製冰機清潔模式圖標熄滅，製冰機清潔結束，自動製冰過程開始。
4. 從製冰室中取出冰盒，將水从冰盒中倒出並擦去冰盒上的水。
   如果不把冰盒上的水擦幹淨，冰盒可能會破裂。

自動製冰停止方法

可按需啓動/關閉製冰模式。

■ 暫停製冰

1. 選擇“自動製冰停止”模式，控製面板上的製冰停止模式圖標亮起，雪櫃停止製冰（第24頁）。
2. 無需往水箱倒水。倒入冰盤的水仍會結冰，2小時後會結冰。當冰盒已滿時，將不會繼續製冰。
3. 想繼續自動製冰時，請選擇“自動製冰停止”（Auto Ice Off），控製面板上的製冰停止模式圖標將熄滅（第24頁）。

■ 長時間停止製冰

1. 清空水箱中的水，取出冰盒中的冰塊。
2. 將水箱、濾水膜、隔音墊、冰盒清洗幹淨，擦幹後放回原位。
3. 再次使用時，請將水箱裝滿水並放回原位。

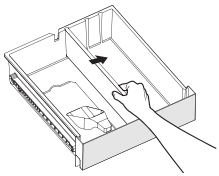
■ 移動雪櫃時

1. 清空水箱中的水，取出冰盒中的冰塊。
2. 選擇“自動製冰機清潔”模式，控製面板上的製冰機清潔模式圖標亮起，雪櫃將進行清潔製冰機。（此時，製冰過程中的冰塊和水會落入冰盒中）
3. 製冰機清潔過程將在大約2分鍾後停止。拉出製冰室下方的抽屜，取出冰盒，清空冰盒內的冰塊和水。
4. 將水箱、濾水膜、冰盒清洗幹淨，擦幹後放回原位。

冰盒的使用方法

使用定製定位隔板增加儲冰空間，並適合冰盒的需求。

- 用手動將擱板器抬離軌道，並將其移動到另一個所需位置。
- 從冰箱中取出冰塊時使用冰勺。



如何清洗雪櫃

清潔或進行維護之前，請務必確保從電源插座上拔下電源插頭。請勿用濕手連接或斷開電源插頭。拔下插頭後，請放置7分鐘再重新插入。否則，壓縮機可能無法運作。

弄髒後立即清潔雪櫃！

在污漬變硬之前，迅速擦去內側表面的污漬。

特別是食用油或豬油可能會導致塑料破裂，柑橘汁可能會導致雪櫃變色。當污漬無法輕鬆擦除時請使用溫水。請用濕軟布擦拭門表面。用乾布擦拭控制面板。當污漬無法輕易清除時，用蘸有中性廚房清潔劑的布擦拭。然後，用蘸有少量水的布擦拭。



請用濕軟布擦拭門表面。



偶爾清潔可拆卸部件。

製冰裝置，一周清理一次。根據指引，請每三個月取下托盤，門架等，然後將其浸入溫水中清洗。



每個月至少清理門襯墊一次。

用軟濕布擦拭清潔門襯墊。

注意不要擦拭門鉸鏈上的石油膠。

注意

門襯墊可由授權的服務代理商進行更換。

清潔時，如果門襯墊脫落，可將其推回到凹槽內。

使用石油凝膠的點。



要求

請勿使用以下物品清潔。(否則，表面會被刮刮花或侵蝕)



廚房用清潔劑
(會使塑料破裂!)



清潔劑或肥皂粉



汽油、稀釋劑、油精、酸、石油



清洗器



熱水

如何清洗雪櫃

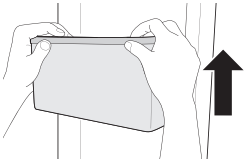
門架/瓶架　每三個月清洗一次

■ **取出**

1 向上抬起，在左右側間交替更換。

■ **裝上**

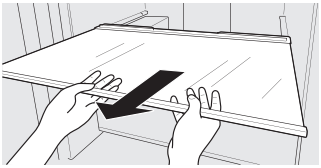
2 置于兩邊的支架上，向裡推入，直至到達盡頭。



托盤　每三個月清洗一次

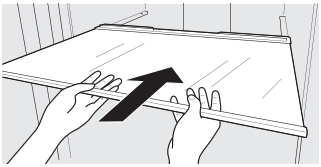
■ **取出**

向上抬起托盤並往前拉。打開托盤與滑軌間的銷扣，傾斜托盤並取出。



■ **裝上**

托盤向裡推入，直至到達盡頭。



注意

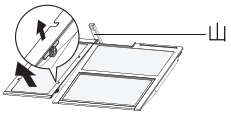
- 在取下冷藏室內的玻璃擱板之前，應先取下門上的門架/瓶架，以便于取下玻璃擱板。
- 可直接在雪櫃裏清潔果蔬盒上方的玻璃擱板。
  （因此玻璃擱板的設計為固定的）
- 萬一在裝回盤子時卡不住，請檢查確認是否裝錯了托盤。
- 玻璃製成的托盤很重。
  請小心處理它們，以免它們掉落並造成任何損壞或傷害。要裝托盤時，將突出側朝下握住並牢固插入。

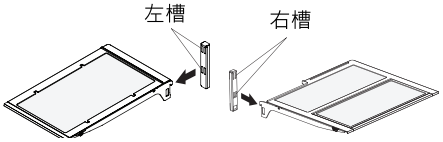
滑動玻璃擱板　每三個月清洗一次

如果滑動玻璃托盤的位置與冷藏室的小玻璃托盤在一條直線上：

■ **取出**

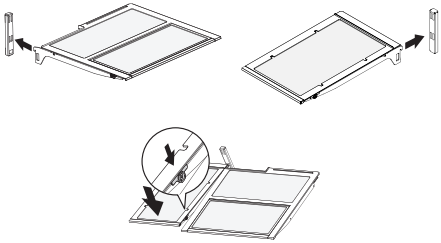
1. 分離冷藏室的載玻片托盤和小玻璃托盤之間的接頭。
2. 抬起冰箱小玻璃托盤的底面，將其從支架的左側凹槽中拉出至前方。 一旦突出部分從導軌上脫鉤，傾斜托盤並將其取下。
3. 抬起載玻片托盤的下側，將其從底座右側的凹槽中拉出至前方。 一旦突出部分從導軌上脫鉤，傾斜托盤並將其取下。





■ **裝上**

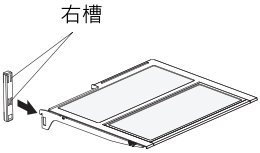
1. 提起載玻片托盤的底面並推入底座的右側凹槽。
2. 提起冷藏室小玻璃托盤的底部，然後推入底座的左側凹槽。
3. 固定冷藏室載玻片玻璃托盤和小玻璃托盤之間的接頭。



如果滑動玻璃托盤的位置與冷藏室小玻璃托盤的位置不一致：

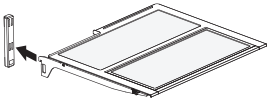
■ **取出**

抬起載玻片托盤的下側，將其從底座右側的凹槽中拉出至前方。 一旦突出部分從導軌上脫鉤，傾斜托盤並將其取下。



■ **裝上**

提起冷藏室小玻璃托盤的底部，然後推入底座的左側凹槽。



注意

- 在取下冷藏室內的玻璃擱板之前，應先取下門上的門架/瓶架，以便于取下玻璃擱板。
- 玻璃製成的托盤很重。
  請小心處理它們，以免它們掉落並造成任何損壞或傷害。要裝托盤時，將突出側朝下握住並牢固插入。

如何清洗雪櫃

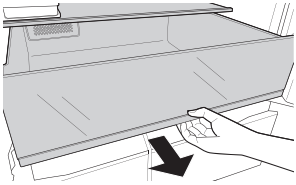
蔬果格/冷凍室收納盒　每三個月清洗一次

※ **蔬果格**



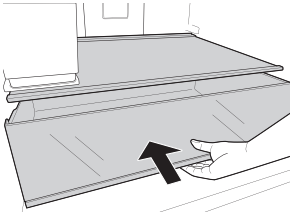
■ **取出**

1. 完全打開冷藏室的兩個門。
2. 取大門架④和實用架⑦ （根據各部名稱，第13頁、第14頁），再取下蔬果格 。
3. 向前拉動蔬果格直到碰到終點為止，然後輕輕擡起蔬果格的前部，以將其完全取出。



■ **裝上**

1. 將蔬果格安裝到支架上。
2. 輕輕擡起蔬果格並向前推，直到碰到終點為止。
3. 安裝製大門架④和實用架⑦。

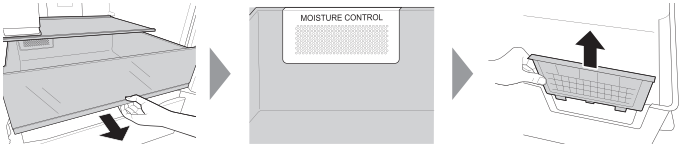


※冷凍室收納盒

跳過拆卸和安裝的步驟大門架④和實用架⑦。 如同蔬果格取下和安裝冷凍室收納盒。

蔬果格濕度調節器　每三個月清洗一次

1. 拉動並取下蔬果格，蔬果格濕度調節器位于蔬果格的背面。
2. 抓住過濾器並將其滑到支架上以將其取下。



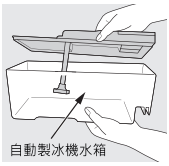
注意

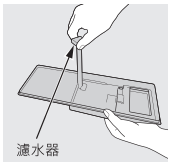
- 用水沖洗後，擦拭幹淨或烘幹。
- 對于頑固汙漬，稀釋廚房清潔劑（中性），用軟牙刷輕輕刷落，然後用水徹底沖洗。

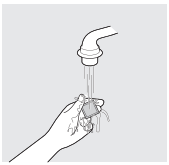
如何清洗雪櫃

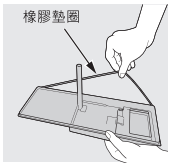
供水箱/濾水器（自動製冰機的） 每周

1. 打開蓋子，用水沖洗自動製冰機水箱。
2. 旋轉濾水器以取下呆鈎並將其取下。
3. 用水輕輕沖洗過濾水器。
4. 取下蓋子側面的橡膠墊圈，用水沖洗幹淨。
5. 將濾水器和橡膠墊圈安裝到位。









注意

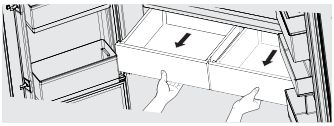
- 如果濾水器中的管道有積水或堵塞，可能無法正確地製冰。

主保鮮格（Prime Fresh） 每三個月清洗一次



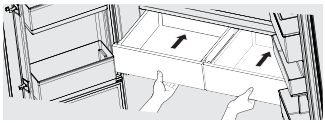
■ 取出

1. 完全打開冷藏室的兩個門。
2. 取瓶架⑤（根據各部名稱，第13頁、第14頁），再取下主保鮮格。
3. 向前拉動主保鮮格直到碰到終點為止，然後輕輕擡起主保鮮格的前部，以將其完全取出。



■ 裝上

1. 將主保鮮格安裝到支架上。
2. 輕輕擡起主保鮮格並向前推，直到碰到終點為止。
3. 安裝製瓶架⑤。

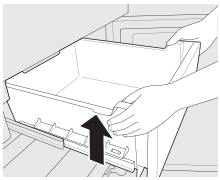


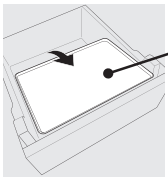
如何清洗雪櫃

急凍格（Prime Freeze）　每三個月清洗一次

■ **取出**

1. 將急凍格收納盒完全拉出。
2. 提起收納盒，傾斜並從急凍格拿出來。





傳熱鋁板（注意鋁板容易劃傷變形）

■ **裝上**

提起急凍格收納盒，沿著裏面凹槽安裝，直到接合並碰到終點。

注意

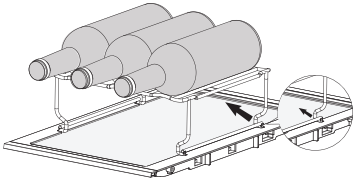
- 可以取下傳熱鋁板，注意鋁板冷的時候不要用濕手直接拿著，存在凍傷的危險。
- 取下或安裝收納盒時，請務必用伸出的手抓住玻璃擱板的把手。否則，急凍格門可能會碰到手指。請參考上圖。
- 如果用水清洗，請擦拭幹淨或烘幹，再安裝到雪櫃中。
- 請勿擦掉導軌接觸面上的潤滑劑。
  如果擦掉了潤滑劑，請聯繫Panasonic服務中心。

酒架　每三個月清洗一次

調整酒架在冷藏室小玻璃托盤上的位置，將酒架掛在冷藏室小玻璃托盤下方：

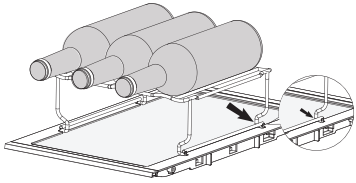
■ **取出**

1. 在冷藏室小玻璃托盤的節點上取下酒架腳。
2. 拉出酒架。



■ **裝上**

1. 將酒架放在要安裝的位置。
2. 將酒架的銷釘調整到冷藏室小玻璃托盤上的節點上。

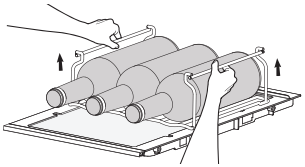


酒架　每三個月清洗一次

調整酒架在冷藏室玻璃托盤表面的位置：

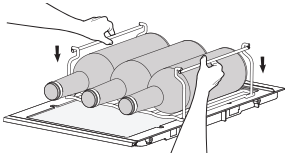
■ **取出**

將酒架從冷藏室的玻璃托盤中取出。



■ **裝上**

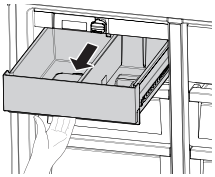
將酒架放在冷藏室玻璃托盤上，使酒架不會離開冷藏室玻璃托盤上的突出凸耳。



冰盒　每三個月清洗一次

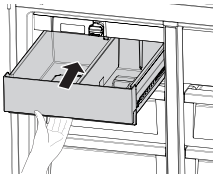
■ **取出**

提起並向前拉冰盒，直至完全取出為止。



■ **裝上**

推動冰盒直到碰到終點為止。



注意

- 在清洗冰盒前，選擇停止自動製冰功能（第 24 頁）。
- 取下定製分隔器和冰勺。 用水清洗、擦拭或晾乾，然後再連接並放回冰箱。

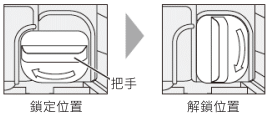
冰托　每三個月清洗一次

可以使用“自動清潔製冰機”（Auto Ice Clean）功能清潔冰盤（第24頁）。此外，可以取下進行手動清潔。

冰盤手動清潔方法

■ **取下和清洗冰盤**

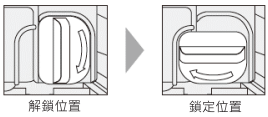
1. 選擇“自動製冰模式”（Auto Ice Off）（第24頁）。
2. 將製冰室的把手轉到解鎖位置。
3. 向前拉突出部分，以取下冰盤。
4. 用水沖洗。（請勿使用鋒利的擦洗工具擦洗冰盤表面。
   如果冰盤被劃傷，冰塊將無法正常落下，導致冰盤損壞）





注意

- 冰盤和框架不能分開。
- 請勿使用洗碗機或烘幹機。



■ **裝上**

1. 推入冰盤直至發出咔聲為止。
2. 將把手轉到鎖定位置。
3. 關閉“自動製冰停止模式”（Auto Ice Off）（第24頁），以重新啓動製冰。

冰托　每三個月清洗一次

注意

- 僅在關閉“自動製冰停止” 模式（Auto Ice Off）時，方可製冰。
- 手動清潔後，請勿將水直接倒入冰盤。（這可能會導致冰塊粘在一起或造成損壞）
- 清潔後將旋鈕轉到鎖定位置並定期檢查製冰盤的鎖定位置對於確保自動製冰機正常工作至關重要。
  如果旋鈕未鎖定，自動製冰機可能無法工作。

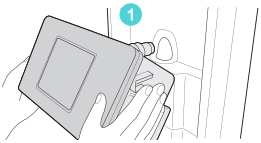
外置取水器水箱/濾水器（外置取水器的）　每周

■ **取出**

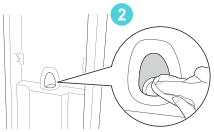
用雙手拉起水箱，將其稍微向您的方向傾斜。

■ **裝上**

① 將閥門的尖端插入孔中。將水箱的左右邊緣置于鎖定位置。



② 將水箱一直向下推，直到碰到終點為止。

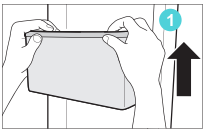


注意

- 取下水箱清洗時，若橡膠墊因與水龍頭摩擦而倒置，用手將橡膠墊從原位朝反向推。
- 水箱的閥門可以按逆時針旋轉並將其取下。

■ **更換過濾器**

①用手打開右上角的蓋子。



②將過濾器直接從鎖中取出。
更換新的過濾器。將過濾器放回原位並蓋緊蓋子。





自清潔式過濾器



自清潔式過濾

注意

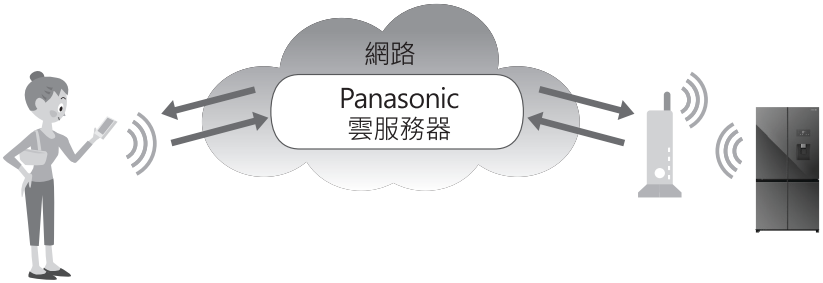
- 建議每 3 年更換一次過濾器。
- 可以聯系全國的Panasonic服務中心購買新的自清潔式過濾器。

Panasonic SmartApp+

Panasonic SmartApp+應用程序的功能

使用智能手機更方便

您可以通過應用程序使用冰箱"Panasonic SmartApp+"。



■ **遙控**

如果连接到无线局域网，可以随时随地控製冰箱模式。

■ **AI功能**

AI ECONAVI 將通過發現您的位置會提議更好地工作

- 離家模式
  如果您離註冊的家較遠，AI ECONAVI 將使用 GPS 檢測您的位置並將操作模式切換為節能模式。
- 購物模式
  如果您在註冊的購物地點購物，AI ECONAVI 會在您確認在 "Panasonic SmartApp+" 上激活購物模式後使用 GPS 檢測您的位置。 應用程序，冰箱將開始增加製冷級別，為食物儲存做準備。

■ **通過通知進行監控**

當雪櫃遇到問題或其他警告時，應用會通知到你的手機以及時解決問題，更合理地使用雪櫃。

Panasonic SmartApp+

各所需設備及環境

請檢查使用該應用程序所需的設備。

■ Android 或 iOS (iPhone) 聰明手機

● 關於支持的操作系統
https://www.panasonic.com/fiot/fridge/



■ Internet網路

示例）FTTH（光纖）、ADSL、CATV（有線電視）等互聯網通信費用將由您收取。



■ 無線LAN網路由器
使用無線LAN網路由器連接到互聯網。



注意

- 確保無線 LAN 路由器具有 2.4 GHz 頻帶的通信標準。(通信標準 : IEEE802.11b, IEEE802.11g, IEEE802.11n) 上述標準無法使用。
- 無法使用僅支持 WEP 的型號。
- 作为一项安全措施，请务必使用可以设置加密方法 WPA3、WPA2 或 WPA 的无线局域网路由器。
- 我們建議使用WPA3 和 WPA2 (AES) 為加密方法。
- 我們不保證所有無線局域網路由器的操作。（移動路由器不保證工作。）
- 如果沒有密碼驗證，冰箱無法連接路由器。
- 冰箱不應連接到公共 LAN 無線網絡。
- 周圍環境會影響無線網絡的性能，導致遙控器無法正常工作。
- 首次連接時，必須確保手機和冰箱連接到同一個無線網絡，否則將無法連接成功。
- 更改LAN無線路由器的名稱或密碼後，需要重新連接冰箱。
- 與客戶活動相關的個人信息（例如電子郵件、GPS 信號等）將被保存。 要查看有關存儲信息的詳細信息，請打開“Panasonic SmartApp+”應用程序，選擇“菜單”，然後選擇“使用條款”。

各所需設備及環境

- 如果更換冰箱內的電路板，修好後，需要重新接線。
- 當您銷毀或轉讓冰箱時，請刪除以下註冊用戶信息：
  - 在“Panasonic SmartApp+”應用程序上：
    打開“Panasonic SmartApp+”應用程序，選擇“菜單”，然後選擇“退出服務”並選擇“確定”。
  - 在操作面板上：
    1. 按住“Remote”圖標 3 秒，然後操作面板顯示“C2”。
    2. 同時按住“Freezer”圖標和“Prime Freeze”圖標3秒，冰箱發出提示音，操作面板顯示“In”。
    3. 當操作面板不再顯示“In”且無線LAN 的LED 燈閃爍時，連接將被刪除。

初次設置

1 安裝“Panasonic SmartApp+”(免費)

- 您可以從“松下網站”找到下載應用程序的鏈接。
  https://www.panasonic.com/fiot/fridge/
  或下方二維碼：

- 或者，您可以在 Google Play (Android) 或 App Store (iOS) 上搜索“Panasonic SmartApp+”應用程序。
- 您可以直接從應用程序中查看“Panasonic SmartApp+”應用程序的使用說明書，或從“松下網站”找到下載“Panasonic SmartApp+”應用程序使用說明書的鏈接。
  https://www.panasonic.com/sg/consumer/refrigerator-learn/tips/smart-connectivity/oi.html
  或下方二維碼：

2 按照應用程序屏幕上顯示的說明操作並註冊冰箱。

- 冰箱的設置位置，可以查看冰箱門上的顯示。

使用應用程序

Panasonic SmartApp+

使用應用 “Panasonic SmartApp+”

初始設置完成後，您可以使用該應用程序。
請找到以下鏈接以檢查“Panasonic SmartApp+”應用程序的更新狀態
https://www.panasonic.com/fiot/fridge/
通過操作面板上的 LED 檢查通信狀態：

	亮起	可通信 (已連接)
	閃爍	盡量通信 (連接到服務器)
	熄滅	無連接

■ LED 位置 (第 15 頁)

使用LAN/Bluetooth®網無線

■ 限製使用

請注意以下使用限製。Panasonic 對因未遵守限製使用或無法使用設備而導致的任何附帶損壞概不負責。

- 請勿連接到您無權使用的無線網絡。
  在自動搜索無線網絡環境可能會顯示且您未被授權使用的無線網絡 (SSID(*))，但如果您連接，則可能被視為未授權訪問。
- 請勿在有強磁場、靜電或無線電干擾的區域使用。
  如果在以下設備附近使用，通信可能會中斷或速度可能會減慢。
  - 微波爐
  - LAN / Bluetooth® 設備其他無綫
  - 其他使用 2.4 GHz 頻段無線電波的設備 (數字無線電話、無線音頻設備、遊戲機、PC 外圍設備等)
  - 金屬物體容易反射無線電波

(*) 用於識別無線 LAN 上特定網絡的名稱。如果 SSID 在兩個設備上都匹配，則可以進行通信。

■ 安防措施

- 由於無線 LAN 網 使用無線電波發送和接收數據，因此存在未經授權訪問的風險。實施安全措施以確保您的數據安全。請注意，對於未採取安全措施而發生的任何事件，我們概不負責。
- 有關無線 LAN 網路由器的密碼 (加密密鑰) 請參閱無線 LAN 網路由器的用戶手冊和安全設置。

雪櫃使用說明指引

在要求服務前，請檢查下列事項：

雪櫃不能操作。

- 檢查並確保插頭及其插座的狀況良好。
- 檢查屋內的主保險絲和電力系統有否出問題。
- 檢查時請拔除插頭，7 分鐘後再重新插回。

雪櫃溫度不夠低。

- 檢查確保控製面板上的指示燈在正確位置顯示。
- 檢查雪櫃是否負荷過多或冷藏了任何熱食。
- 雪櫃是否直接曝露在陽光下或靠近熱源？
- 雪櫃門是否完全關上？
- 是否過於頻繁打開雪櫃？

出現水珠、結霜。

外部

- 當環境濕度過高時，門墊圈可能出現水珠。空氣濕度降低時，這種情形將消失。請用乾布將水珠擦掉。



內部

- 門是否緊密關閉？
- 開關門是否太過頻繁？
- 雪櫃內的露水凝結還可能是由于存放高濕度的食物而無蓋好或包裝好。
- 空氣濕度高時，開門時間長，當雪櫃內裝有大量食物或製冰時，冷凍室收納盒的冷凍室、冰盒的或冷凍室門等處可能會形成雪。這種現象是正常的。用柔軟的幹布擦拭幹淨。

雪櫃發出噪聲。

- 檢查雪櫃是否已穩固放置或正確安裝。
- 檢查是否有任何物體與雪櫃接觸。
- 相應部件溫度調整導致雪櫃內的碎裂聲音屬正常現象。
- 安裝後，雪櫃可能會發出較大的噪聲。當雪櫃製冷後，噪聲將降低。

內部出現異味。

- 是否放置沒有包裹，會發出氣味的食物？

燈無法打開。

- 請聯繫Panasonic服務中心。

雪櫃使用說明指引

雪櫃的背面和側面溫暖而灼熱

- 解熱系統位於櫃壁內部，雪櫃運行時櫃體背面和側面溫度較高。
- 當製冷啓動會櫃門經常開閉時，背部和兩側發熱會更爲明顯。

雪櫃的正常聲音。

- 當雪櫃開始運行時，會聽見像流水或沸水的聲音。這其實是冷媒流動的聲音。
- 當自動除霜系統工作時會產生噪聲。
- 雪櫃內附件在製冷過程中膨脹會發出「劈啪」破裂聲。
- 當壓縮機在以下情況下高速運作時，您可能會感覺運作聲音變大：雪櫃在首次使用，過於頻繁地開閉櫃門或環境溫度過高等情況下未完全冷卻。當雪櫃完全冷卻後，聲音會變得更為安靜。

控製面板閃爍。

- 是否正在調整雪櫃或冷凍箱的溫度？

→安裝過程中閃爍。請完成設置，或控製面板將在5秒後停止閃爍。

食物被凍結。

- 是否把食物放在冷風管附近？
- 是否把溫度控製器調到較低的溫度，冷凍室為4 ℃，主保鮮格為-3 ℃？

→ 請調整為更高的溫度。

- 是否把食物放在主保鮮格？

控製面板顯示的錯誤。

- 操作面板上顯示字母“H”和兩位數字。

例如：H01

→請聯系服務中心尋求支持。

- U10：警報開門時間過長。

→ 請檢查各室的門是否閉合。

- U83: 無法連接雪櫃和無線 LAN 路由器。檢查以下內容：
  - 路由器還沒啓動。

→ 電源啓動。

- 路由器和雪櫃距離太遠。

→把路由器拉近一點。

- 在附近放置使用無線電波的設備，例如微波爐。

→保持適當的距離。

→停止使用設備或稍等一刻，然後重試。

雪櫃使用說明指引

自動製冰

雪櫃不製冰。

- ●如果一段時間後水箱中的水沒有減少，即製冰模式不運行。
- ●雪櫃內部足夠冷後開始製冰過程。（開始使用可能需要24小時以上）
- ●檢查是否設置為“自動製冰停止”模式（Auto Ice Off）？（第24頁）
- ●務必將水箱和冰盤完全推入到位。
- ●請勿將食物存放在製冰機中。
- ●請勿頻繁安裝或取下冰盤。
- ●檢查水箱中的水是否充足。
- ●如果水溢在製冰室，請清潔幹淨。
- ●請聯系Panasonic服務中心。

冰塊不會凍結成冰。

- ●製冰室溫度設置是否比冷凍室高-20 ℃？
  → 請調整為較低的溫度。（第16頁）

冰塊形狀異常。

- ●有突出部分。→ 冰盤的凹槽可能被凍結。
- ●冰塊是否呈圓形或與其他冰塊粘在一起。
  → 冰塊已存放很長時間。
  （由固體變成蒸汽，冰塊變成圓形或粘黏）
- ●小冰塊。
  → 當水箱沒有水時，就會形成小冰塊。

1號主保鮮格和2號主保鮮格

食物冷凍過度或未冷凍。

- ●當1號主保鮮格或2號主保鮮格 中的食物冷凍過度時。
- → 請設置高於 -3 ℃ 的溫度。
- ●當1號主保鮮格或2號主保鮮格 中的食物未部分冷凍時。
- → 將溫度設置為低至 -5 ℃。

不酷，不凍結。

- ●根據食物的類型、包裝條件、存儲容量以及門打開和關閉的頻率，冷卻或冷凍可能不夠。
- → 在食物之間留出空間讓冷空氣流通， 將大小相似的食物放入主保鮮格中，並相應地調節溫度。

沒有完全密封。

- ●當食物過多時，可能會從1號主保鮮格或2號主保鮮格溢出，進入1號主保鮮格或2號主保鮮格後面的縫隙，造成密封不全。
- → 檢查1號主保鮮格或2號主保鮮格的背面是否有食品？ 如果是這樣，請在安裝1號主保鮮格或2號主保鮮格之前將其取下。
- → 妥善擺放食物，以免溢出。

雪櫃使用說明指引

ECONAVI燈不能正常點亮。

ECONAVI功能不運行（ECONAVI燈不亮）。

- “Quick Freezing”（速凍）、Prime Fresh+（新主保鮮制模式）、Quick Ice Making（快速製冰）、Prime Freeze（急凍模式）等模式是否處于運行狀態？
- 如果冷藏室的溫度未設置為4 ℃，冷凍室的溫度未設置為-20 ℃，則ECONAVI功能不會自動激活。
- 雪櫃門是否頻繁打開或雪櫃中是否存放熱食？
- 學習功能可以在正常使用過程中自動關閉ECONAVI模式。
- 雪櫃是否顯示任何錯誤代碼？

ECONAVI模式很少運行。

- 是否停電？
  如果停電，學習功能所采集的數據在停電時都會丟失。
  ECONAVI模式很少運行，直到學習功能可以再次收集數據。

ECONAVI模式中途停止。

- 如果在ECONAVI模式正在運行時啓用自動除霜功能，則在除霜完成後將激活正常製冷模式。因此，ECONAVI模式可能會在除霜/製冷過程中停止。
- 學習功能有時會重新啓動正常製冷模式。

ECONAVI模式運行太頻繁（ECONAVI燈很少關閉）。

- 光強傳感器是否被遮蓋？
- 光強傳感器控製面板上是否有汙漬或劃痕？
- ECONAVI模式可能會在雪櫃使用時根據使用條件運行，但仍保持製冷模式的運行。

急凍格（Prime Freeze）。

食物融化。

- 使用急凍格（Prime Freeze）長時間儲存冷凍食品，或將高脂冰淇淋儲存在雪櫃中。
- 請勿將冷食靠近熱食。

不冷不凍結。

- 冷凍或凍結可能不夠，這取決于食物的種類、包裝條件、存儲容量以及雪櫃門開閉頻率。
  →重新設置急凍模式（Prime Freeze）。（第 21 頁）

中途停止運行。

- 如果在除霜過程中設置急凍模式（Prime Freeze），時間顯示屏會計數，但風機會停止，食物不夠冷。除霜後，請重新設置急凍模式（Prime Freeze）。
- 如果在運行急凍模式（Prime Freeze）時設置了快速製冰、快速冷凍、新主保鮮制模式，則急凍模式將停止。

雪櫃使用說明指引

“Panasonic SmartApp+” 應用程序	無法連接智能手機。	●請參考所需設備和環境部分。（第 42 頁）
	忘記密碼	●在登錄屏幕上，選擇 “如果您忘記了密碼，請單擊此處” ，然後重新設置密碼。
	無法連接到冰箱	●無線局域網路由器是否關閉？ ●連接不穩定，請將無線局域網路由器放在冰箱附近。
	無法打開應用程序	●您的智能手機是否連接到互聯網？
操作面板上的无线局域网 LED	操作面板上无线局域网的 LED 闪烁。	● 無線 LAN 的 LED 每 0.5 秒閃爍一次。 → 無線局域網連接可能斷開。 請再次檢查無線局域網連接狀態。（第 25 頁） ● 無線 LAN 的 LED 每 0.1 秒閃爍一次。 → 無線 LAN 模塊通信可能有故障。 請立即聯繫松下服務中心。
	操作面板上无线局域网的 LED 意外亮起。	● 冰箱是否連接到無線局域網？ 然後，關閉無線網卡模塊，無線網卡的指示燈會熄滅。
飲水機	液滴保持在噴嘴頂部。	● 取水後，噴嘴頂部留有幾滴水珠，可能會滴入盛水盤中。這是正常現象。 ● 空氣濕度大時，噴嘴頂部會殘留少量水滴，可能會流入接水盤。 這是正常現象，當空氣濕度降低時不再出現。 請用柔軟的干毛巾清潔。 ● 當空氣濕度較低但水龍頭頂部仍有少量水滴流入盛水盤時，請立即聯繫松下服務中心。
	只有少量水滴流入水盤。	
	水流不斷。	● 飲水機接水盤是否有異物或水垢？ → 飲水機接水盤如有異常異物或結垢，請及時清洗。 ● 若水流持續不斷且接水盤內無異常異物，請立即與松下服務中心聯繫。

規格

型號		NR-XY680Y
冷凍等級		✳***
容量 (公升) 毛容量/有效容量 (IEC62552:2007)	合計	690 / 617
	冷凍室	264 / 208
	冷藏室, 主保鮮格	426 / 409
外型尺寸 闊 × 深 × 高 (毫米)		900 x 750 x 1790
淨重 (kg)		114
製冷劑類型		R600a
製冷系統		無霜製冷。
額定電壓 (伏特) 額定頻率 (赫茲)		請參考雪櫃門上的額定標籤。

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You can find the link to download the most up-to-date information of Copyright for “Panasonic SmartApp+” application.
https://www.panasonic.com/sg/consumer/refrigerator-learn/tips/smart-connectivity/oi.html
or QR code as below:

備忘錄

Complies with
IMDA Standards
DB01017

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