



Panasonic®

Operating Instructions Refrigerator

For Household Use

Model No.: **NR-TX461**



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■ NON-CFC

This unit uses totally **NON-CFC MATERIALS** both for refrigerant (R600a) and for insulation (Cyclo-Pentane). So, this refrigerator does not damage 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.

DBD

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P0421-0
Printed in Vietnam

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

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.
- Plug into a wall outlet of the rated voltage on its own with the rated current and insert plug fully.
- Reserve one socket for the refrigerator only. Avoid connecting many appliances to the same socket and unroll through the length of cord.
- Remove dust periodically from the power plug.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 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 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.
- Regarding 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

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 overturn to the kid.
- **Do not** place any water container on the top of the refrigerator in case the spilling water causes electrical shock or combustion.
- **Do not** locate multiple portable socket-outlets or portable 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, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

In case of emergency:



R600a
iso-butane



- Maintenance work only be carried out at workshop by well-trained maintenance worker.
- **Do not** store explosive substances such as aerosol cans with a flammable propellant and chemicals or scientific specimens in the appliance.
- **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 installing:



- Fix the refrigerator to avoid danger due to unbalance.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.



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

Otherwise it may cause
injury, accidents.

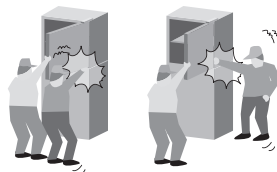


CAUTION

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 be closed to the refrigerator's body completely.

When cleaning:

- **Do not** clean the refrigerator with chemical substance or liquid. It will cause damage and have corrosion on the surface.
- Clean the Pan water evap located over the compressor at the back of the refrigerator every three months to prevent the odour generated from humidity.



Usage precautions

When using:

- When the plug is disconnected, leave it for 5 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.
- 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.



When storing food:

- **Do not** place warm/hot foodstuff in the refrigerator.
- **Do not** overload the refrigerator. Gap 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, beverage bottles should be sealed to prevent odor contamination.
- Food stuff such as vegetables, fruits and fresh food should be wrapped or packed in box before freezing and refrigerating.
- Put the food such as meat or fish in the freezer if you want to store for an extended period.
- Cover juicy food with tight lids, plastic film or foil.
- Cool hot dishes in room temperature before placing them in your refrigerator.



SPECIAL FEATURE

1) ECONAVI

The microchip performing ECONAVI mode is integrated into the main control board. By detecting refrigerator's frequency of use (opening and closing of door), ECONAVI mode automatically operates to save energy.

2) INVERTER

In accordance with temperature change inside the compartment, the motor of compressor runs at different speed. When the temperature is stable, the motor runs at a lower speed (energy saving & lower noise). When powerful cooling is required, the motor runs at a higher speed.

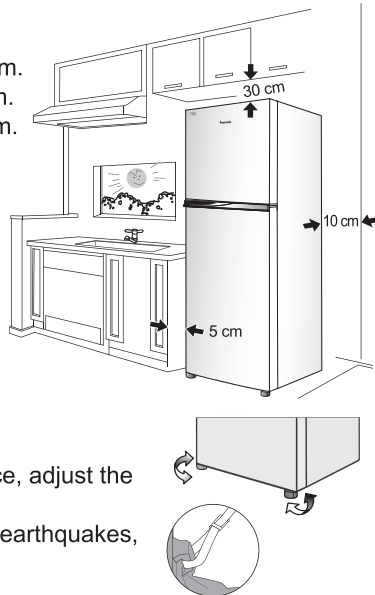
Installation

The distance requested for installation

- The top of the refrigerator and the ceiling at least 30 cm.
- The back of the refrigerator and the wall at least 10 cm.
- The sides of the refrigerator and the walls at least 5 cm.

Area around the installed unit

- **Do not** locate the refrigerator in a humid place as rust may form and may cause electric leakage.
- **Do not** locate the refrigerator exposing to direct sunlight as the heat and sunlight will increase the temperature.
- **Do not** locate the refrigerator near heat source such as cooking stove or oven.
- **Do not** block the openings around the refrigerator.
- The refrigerator must be located in the place where there is good air circulation.
- In case of placing the refrigerator on an uneven surface, adjust the adjustable leg to make the refrigerator stands stably.
- In order to prevent the refrigerator from tipping due to earthquakes, permanently fix it by using belts, etc.



Moving or shifting

- When moving or shifting the refrigerator, remove ice cube tray, box ice tray, Pan water evap etc. and check to be sure that there is no water in the refrigerator.

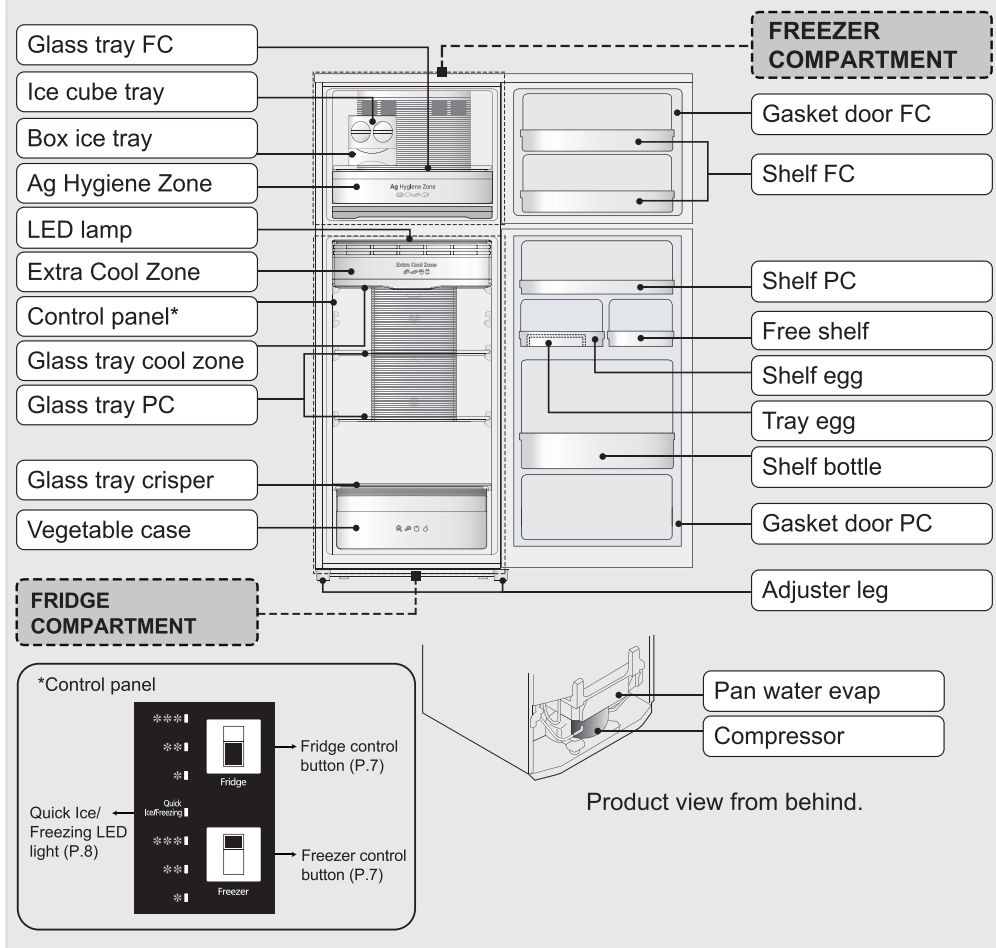
Power cord setting

- To bring power cord for use, Pan water evap from left should be lifted up. Then bring the power cord out and then insert Pan water evap into the block by pressing at both the sides.

LED lamp and grounding

- The refrigerator LED lamp, specially designed for this refrigerator, do not replace it by yourself. If you need replacement, please contact Panasonic Service Center.
- If there is no grounding wiring plug in refrigerator, it should be connected with grounding connection to prevent electrical hazard from electric leakage.

Parts identification



Temperature control

The temperature can be adjusted for Min - Max levels. Press “Freezer” to adjust temperature in Freezer room and press “Fridge” to adjust temperature in Fridge room.

Temperature setting \ Button	[Fridge] (Fridge room)	[Freezer] (Freezer room)
Max ❄❄❄	Lower than “Med” by approx. 2 °C ~ 3 °C	Lower than “Med” by approx. 2 °C ~ 3 °C
Med ❄❄	Approximately 1 °C ~ 6 °C	Approximately -23 °C ~ -17 °C
Min ❄	Higher than “Med” by approx. 2 °C ~ 3 °C	Higher than “Med” by approx. 2 °C ~ 3 °C

Generally, use the refrigerator with the temperature set to “Med”.

Temperature control (Fine adjustment mode)

■ How to operate the “9 levels” mode

The refrigerator is specially designed for appropriate use, which can adjust the temperature level to detailed 9 levels with the following details.

To adjust the temperature for the Fridge room

- ① Set LED display to the “Min” position by press the [Fridge] button.
- ② Press and hold the [Fridge] button for about 10 seconds until the LED display returns to the “Min” position.
- ③ Use the [Fridge] button to set the required temperature mode, where level 1 is the minimum cooling mode and level 9 is the maximum cooling mode (as specified in the LED Display table).

To adjust the temperature for the Freezer room

Operate above ① ~ ③ steps with pressing “Freezer” button instead of “Fridge” button.

■ LED Display table

Cooling Level		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>								
Levels		Maximum								
LED Display		1	2	3	4	5	6	7	8	9
		<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
		<div><div></div></div> Lighting	<div><div></div></div> Blinking	<div><div></div></div> Not lighting						

■ To reset the setting “9 levels” mode

Repeat steps ① and ②, then the refrigerator returns to normal operation mode.

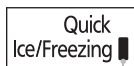
Remark

- The temperature control can vary depending on the environment and amount of food stored in the refrigerator.

Quick Ice/Freezing

When “Quick Ice/Freezing” is set, the refrigerator will reduce the temperature quickly for better performance of preserving food and speed of making ice.

■ How to operate the “Quick Ice/Freezing” mode



- Press the button “Freezer” until the light LED “Quick Ice/Freezing” turns on. “Quick Ice/Freezing” mode starts after about 10 seconds.

Light is on: Quick Ice/Freezing is operated
Light is off: Quick Ice/Freezing is not operated

Remark

- If you want to stop the operation immediately, press and hold the button “Freezer” until the light LED “Quick Ice/Freezing” turns off.
- The system will stop the operation automatically when it runs for 60 mins (as ambient temperature is below 19 °C) or 150 mins (as ambient temperature is above 19 °C) and return to normal mode (the light LED “Quick Ice/Freezing” turns off.)
- The light LED “Quick Ice/Freezing” flashing means that the removing frost system is now working. “Quick Ice/Freezing” mode will start right after the removing frost operation is finished.
- The Freezer temperature control will not operate during Quick Ice/Freezing mode as the compressor is already at maximum operating levels for the Quick Ice/Freezing mode.

ECONAVI operation

The refrigerator detects the opening and closing of the refrigerator door to control operations automatically to ensure maximum energy saving.*1

■ ECONAVI operation

- The refrigerator learns the lifestyle patterns of your family from door opening and time periods of infrequent use to maximise energy efficiency.
- The refrigerator learns your lifestyle patterns from the previous 3 weeks of use and uses that data from the 4th week onwards.



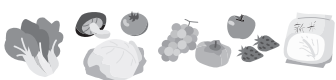


■ Settings for enabling ECONAVI operation

- ECONAVI operation is automatically enabled when the temperature control for both the freezer and refrigerator compartment is set to “Med”.
- ECONAVI mode does not operate if the “Quick Ice/Freezing” mode is in operation.
- It is not possible to force to start of the ECONAVI mode.

Remark

*1 The effectiveness of the ECONAVI mode is dependent on the ambient temperature and the number of times the refrigerator door is opened and closed and the state in which food is stored.

Usage tips

Fridge room	“Processed food and drinks...” For regular storage of food and drinks or temporary storage of those to be served soon. 
Extra Cool Zone	“Dairy products...” For dairy products, etc. that perish easily but whose quality changes if frozen. 
Vegetable case	“Fruits and vegetables” A rather high humidity keeps fruits and vegetables fresh and juicy. 
Ag Hygiene Zone	“Fresh food...” For storage of fresh foods such as meat or fish to avoid the odors spread out the freezer compartment. 
Freezer room	“Dried or frozen foods...” For storage of food for an extended period. 



Storage using hermetically sealed containers is recommended!

To prevent the interior from being discolored!



- Cut citrus fruits
(→ The plastic will be discolored white.)

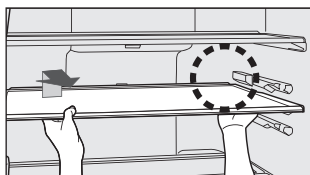
To prevent odors from spreading!



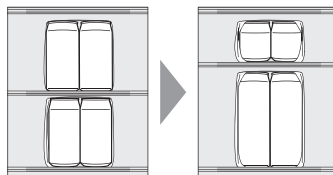
- Garlicky or other strong smelling vegetables
(→ Odors will spread to other nearby food.)

The position of the second tray from the top can be changed.

(1) Lift up the back of the tray and pull it forward.



(2) Insert the tray in the desired position by reversing the steps.



- Glass Trays are heavy. Please handle them with care so that they do not fall and cause any damage or injury.
- Glass Tray Cool Zone (the first tray from the top) cannot be put on the position of Glass Tray PC.

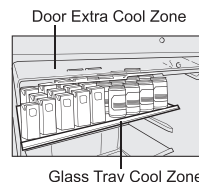
Using Extra Cool Zone

■ When you do not want to freeze food.

- This room is suitable for storing chilled food or dairy products.

[Example of food to store]

- Chilled food
- Fresh cream
- Yogurt
- Boiled noodle
- Cheese



- Depending on food, it may be frozen partly. Change the position of food or set the temperature setting of the refrigerator compartment to “Min”.

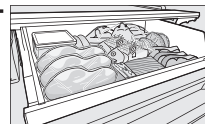
Attention

- If you feel that the refrigerator does not cool enough or it is too cold, increase or decrease its temperature by following steps on page 7.
- When storing meat, it should be stored by using tightly sealed containers to prevent strong smelling spreading to nearby drink. They should not be stored over 1 week.

Using Ag Hygiene Zone

■ When you want to extend the life of food by partially-freezing it.

- This room is suitable for storing fresh food such as meat or fish.
- Temperature can be set to either “Min”, “Med” or “Max” to fit the volume and type of food. (P. 7)



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

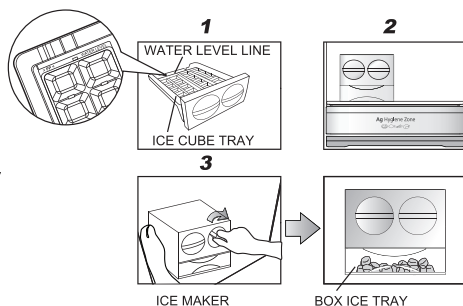
How to make ice cubes with ice maker

STEP

1. Fill water in the ice cube tray till the water level line.
2. Put ice cube tray inside Freezer room, wait until ice is made.
3. To remove ice cubes, suppress the frame with left hand and twist the dial ice cube tray clockwise with right hand. The ice cubes will drop into the box ice tray.

Remark:

- Don't pour water into ice box for ice-making, otherwise the box may crack.



How to clean the refrigerator

Clean the refrigerator immediately after it is stained!

Wipe off stains on the interior surfaces quickly before they harden. In particular, cooking oil 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...

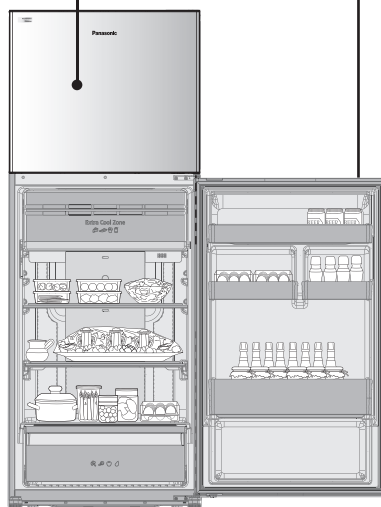
Once a week for the ice twister. As a guide, remove the trays, door shelves, etc. and wash them by immersing them in lukewarm water every three months.

Clean the door gasket at least once a month.

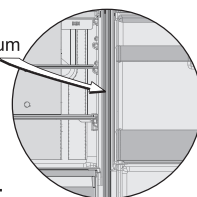
Clean by wiping with a soft damp cloth. Petroleum gel has been applied to the door gasket on the hinge side of the unit, be careful not to wipe this off.



Rub the door surface with a soft damp cloth.



Point where petroleum gel was applied.



Notices

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

Requests

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



Kitchen detergents
(They crack plastic!)

Alkaline or weak
Alkaline



Cleanser or soap
powder



Benzine, thinner,
alcohol, acid, petroleum



Scrubber



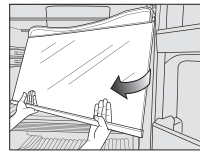
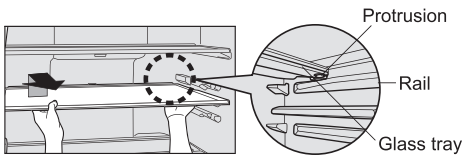
Hot Water

PC Glass 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 reached the end lock.

Attention

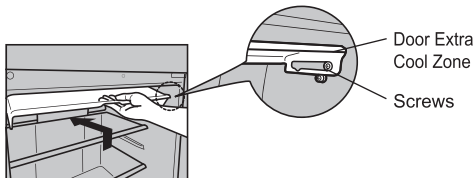
- When removing the tray above the vegetable case, please pull out the vegetable case first and then follow to removing the tray as above details.
- In case of attaching the tray and it does not lock, make sure that you did not attach it the wrong tray.
- Trays are made of glass and heavy.
Please handle 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.

Door Extra Cool Zone

Once every 3 months

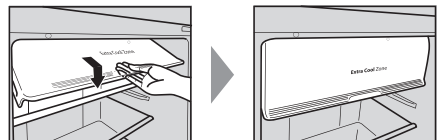
■ Removing

Lift up the door Extra Cool Zone and slide it into the above slot until it reaches the end of the stopper. Then remove screws to take off the cover.



■ Attaching

Insert the door Extra Cool Zone into its slot and tightening screws. Then slide it out and pull the cover down.

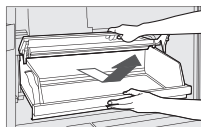


- Be sure to grab the cover with upturned hand. Otherwise, your hand may accidentally hit the refrigerator.

Ag Hygiene Zone

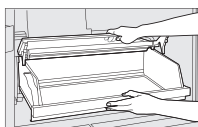
Once every 3 months

■ Removing



Pull out the case as far as possible. With lifting up the front, pull it out at an angle with holding the flap above the case.

■ Attaching



With holding up the flap, lift the back of the case and install it along the rails inside.

Attention

- When pull or attach Ag Hygiene Zone, be sure to grab its handle with upturned hand. Please refer to the above illustration.
(Otherwise, FC cover case may accidentally hit your fingers.)

Door Shelf/Bottle Shelf

Once every 3 months

■ Removing

Tap the bottom of the small shelves upward or slide alternately the left and right of the big shelves upward, and raise them slowly. (Tightly attached)



■ Attaching

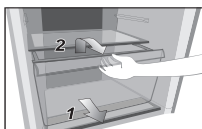
Place it on both supporters, and then press until it reaches the end of supporters.

Vegetable Case

Once every 3 months

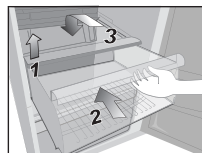
■ Removing

- 1 Pull the case until it reaches the end of stopper.
- 2 Raise up the front of case a bit and then completely take out.



■ Attaching

- 1 Keep the lid on the vegetable case lifting until case is attached.
- 2 Raise it up and place case on both supporters.
- 3 Push the case until it reaches the end.



Troubleshooting

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

The refrigerator does not operate.

- Check that the plug and its socket are in good condition.
- Check if there is any problem on main fuse and electrical system of the house.
- Check by unplug and wait for 5 minutes before plugging it back in.

The refrigerator does not cool enough.

- Check to be sure that light in control panel is displayed at proper position.
- Check to see if the refrigerator is overloaded with stuff or 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, snow appear.

Outside

- When the ambient humidity is too high, the door gasket may have dew. This situation will be stopped 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?
- When too high weather humidity, long opening time or making too much ice, inside the freezer compartment may appear frozen snow. 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.
- There may be a whistling sound inside the refrigerator when opening and closing the door. This is caused by the air outside being drawn in through the pipe on the backside of the refrigerator to better balance the air circulation inside the unit.
- Check if evap pipe in contact with Pan water evap.

Food becomes frozen.

- Do you put the food near cold air holes?
- Do you adjust the temperature control at "Max"? Adjust to "Min"?
- Do you put food in extra cool zone?

Troubleshooting

The inside is smelling.

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

The surfaces of the refrigerator is hot.

- Because the refrigerator is equipped with the dew prevention and heat radiation tubes, the surfaces 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 operated.
- 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.

Lamp does not turn on.

- Please contact Panasonic service center.

Specifications

Model No.		NR-TX461BPSS	NR-TX461WGKS
Freezer Star Rating		✱✱✱	
Capacity (L) Gross/Storage	Total	450/405	
	Freezer	134/110	
	Refrigerator	316/295	
Outside Dimensions Width x Depth x Height (mm)		686 x 694 x 1764	
Net Weight (kg)		65	71
Refrigerant Type		R600a	
Rated Voltage (V) Rated Frequency (Hz)		Refer to the rating label attached inside the cabinet.	

Memo

Panasonic Corporation

Website: <http://www.panasonic.com>

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INVERTER

Panasonic®

操作說明 雪櫃

家用型



型號: **NR-TX461**

內容

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■ 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。

DBD

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P0421-0

越南印刷

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。]



iso-butane
火災危害/易燃物品



警告

否則可能導致火災，
燙傷，爆炸或觸電。

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。



- 該雪櫃不適合身體，感官或精神能力降低或者缺乏經驗和知識的人員（包括孩童）使用，除非得到其安全負責人員關於使用雪櫃的監督或指示。
- 應對孩童進行監督，確保其不使用雪櫃玩耍。

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。

在緊急情況下:



R600a
iso-butane



- 只能由專業維修工人在工作室進行維修工作。
- 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。

安裝時需注意:



- 固定雪櫃以避免因不平衡而致的危險。
- 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。

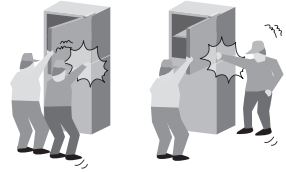


小心

開/關櫃門時:



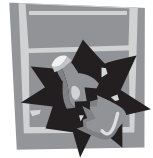
- 在打開雪櫃時，注意不要夾到手。
- 注意門的間隔。關門時可能夾住您的手。



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。
- 每三個月清洗一次雪櫃背部壓縮機上方的排水托盤，以防止因潮濕產生異味。



使用須知

使用時:

- 當拔掉插頭後，請等 5 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。
- 雪櫃外壁有時會發熱，特別是在剛剛安裝之後。這種情況屬於正常，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。



儲存食物時:

- 切勿把熱/燙的食物放進雪櫃。
- 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。
- 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急凍室。
- 將熱餸放入雪櫃之前，請將其冷卻至室溫。
- 用緊蓋，塑料膜或箔片蓋住多汁食品。



特殊功能

1) ECONAVI

運行環保導航 (ECONAVI) 模式的微晶片與主控制板集成。環保導航 (ECONAVI) 模式通過檢測雪櫃的使用頻率（開門和關門）來自動運行以節省能源。

2) 變頻器

根據箱內的溫度變化，電動機會以不同速度運轉。

當溫度穩定時，電動機會以較低速度運轉（節能和低噪音）。當需要強力製冷時，電動機會以較高速度運轉。

安裝

安裝位置與牆壁間的距離

- 雪櫃頂部和天花板之間必須至少留有30厘米的空隙。
- 雪櫃背面與牆壁之間必須至少留有10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。

安裝區域

- 切勿把雪櫃放置在潮濕的地方。
因為這樣容易生鏽可能導致漏電。
- 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。
- 為防止雪櫃因地震而傾斜，請使用固定帶和其他物品固定雪櫃。

移動或變更位置

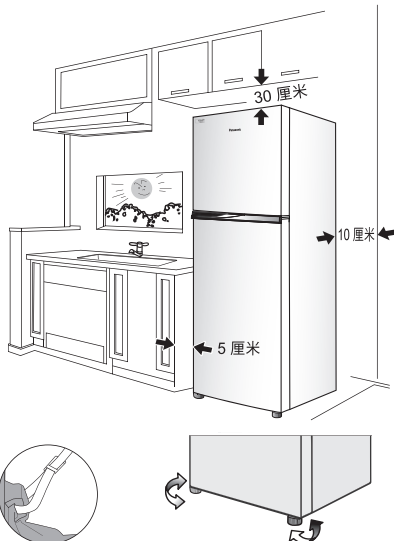
- 在移動或轉移該雪櫃時，移開制冰裝置、冷凍箱、鍋水蒸發器等，檢查以確保雪櫃內無水。

電源線設定

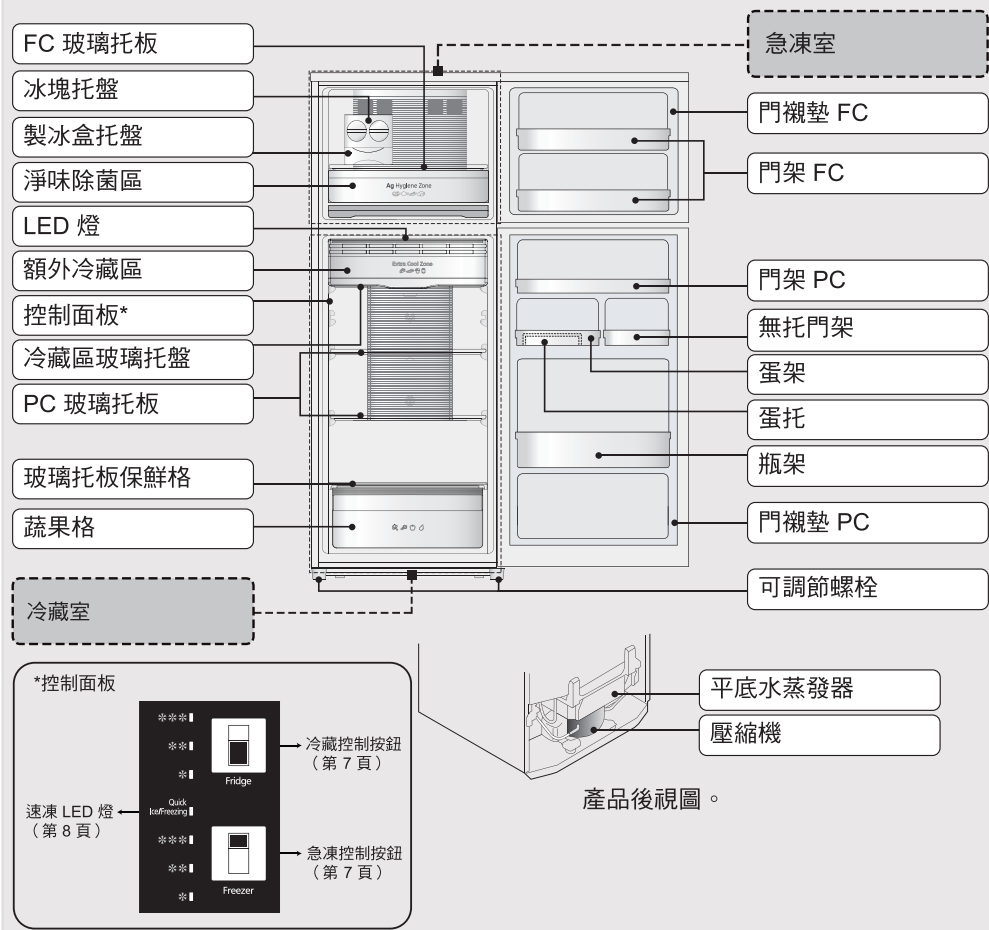
- 若要使用電源線，應將左邊的排水托盤移開，然後拿出電源線，按下兩側將排水托盤插入雪櫃內。

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’。
- 如果雪櫃沒有接地插頭，須將其連接至接地端以防漏電。



各部名稱



溫度控制

溫度調控範圍為 Min (最小) – Max (最大) 級別。按下 “Freezer” (急凍) 按鈕調控 Freezer room (急凍室) 的溫度，按下 “Fridge” Fridge room (冷藏室) 的溫度。

溫度設定 \ 按鈕	[Fridge 冷藏] (冷藏室)	[Freezer 急凍] (急凍室)
Max (最大) ***■	大約低於 “Med” (中溫) 2 °C ~ 3 °C	大約低於 “Med” (中溫) 2 °C ~ 3 °C
Med (中溫) **■	大約 1 °C ~ 6 °C	大約 -23 °C ~ -17 °C
Min (最小) *■	大約高於 “Med” (中溫) 2 °C ~ 3 °C	大約高於 “Med” (中溫) 2 °C ~ 3 °C

通常雪櫃的使用溫度設定為 “Med” (中溫)。

溫度控制 (精細調節模式)

■ 如何操作 “9 個等級” 模式

本雪櫃經特別設計，旨在滿足特殊用途，細分成 9 個溫度等級以供調節，其詳情如下。

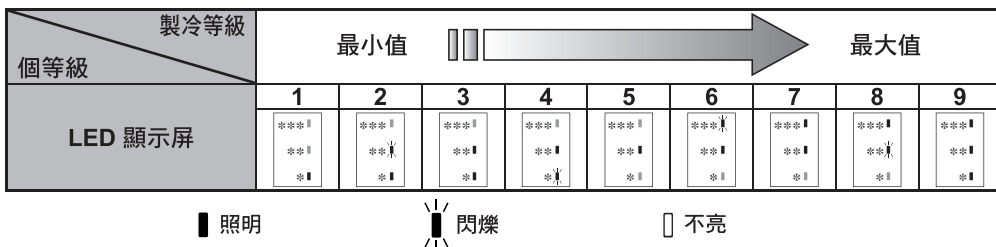
對於冷藏室的調控

- ① 按 [Fridge] (冷藏) 按鈕將 LED 顯示屏設定為 “Min” (最小)。
- ② 按 [Fridge] (冷藏) 按鈕並停留 10 秒鐘，直到 LED 顯示屏返回顯示 “Min” (最小) 位置。
- ③ 使用 [Fridge] (冷藏) 按鈕設定所需要的溫度模式，其等級 1 是製冷模式最小值而等級 9 是製冷模式最大值。(如 LED 顯示屏圖表中所示)。

對於 Freezer room (急凍室) 的調控

根據上述步驟 ① ~ ③，但選擇 “Freezer” (急凍) 按鈕而非 “Fridge” (冷藏) 按鈕。

■ LED 顯示屏圖表



■ 重新設定 “9 個等級” 模式

重複步驟 ① 和 ②，然後雪櫃會返回至正常操作模式。

備註

- 溫度控制視乎環境和食物儲存量的變化而不同。

變頻器控制顯示 (Quick Ice/Freezing)

設置為 “Quick Ice/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 Ice/Freezing” (速凍) 模式



- 按下 “Freezer” (急凍) 按鈕直至 LED 指示燈 “Quick Ice/Freezing” (速凍) 點亮。10 秒鐘之後 “Quick Ice/Freezing” (速凍) 模式啟動。

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

備註

- 如果您想立即停止運行，按住 “Freezer” (急凍) 按鈕直到 LED 指示燈 “Quick Ice/Freezing” (速凍) 熄滅。
- 在運行 60 分鐘 (環境溫度為 19 °C 或更低) 後或運行 150 分鐘 (環境溫度為 19 °C 或更高) 之後，將自動停止運行並返回正常模式 (LED 指示燈 “Quick Ice/Freezing” (速凍) 熄滅。)
- LED 指示燈 “Quick Ice/Freezing” (速凍) 閃爍時表示除霜系統正在運行。
“Quick Ice/Freezing” (速凍) 模式會在除霜操作結束後立即開始。
- 由於壓縮機已經處於 Quick Ice/Freezing (速凍) 模式的最高運行水平，因此在 Quick Ice/Freezing (速凍) 模式下，急凍機溫度控制器將無法運行。

ECONAVI 操作

雪櫃會檢測雪櫃門的打開和關閉，並自動控制操作，從而最大限度節約能源。*1

■ 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。
- 雪櫃前三周學習您的生活方式，從第四周開始可按您的生活方式來執行工作。



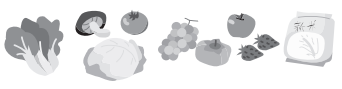


■ 啟用 ECONAVI 操作的設定

- 只有當急凍室 (freezer) 和冷藏室 (refrigerator compartment) 的溫度控制設定為“Med”（中溫）時，ECONAVI 操作才會自動啟用。
- 如果正在進行“Quick Ice/Freezing”（速凍）模式，則無法操作 ECONAVI。
- 不能強行啟動 ECONAVI 操作。

備註

*1 ECONAVI 模式的效力視乎環境溫度、門打開和關閉的次數以及食品存儲狀態而不同。

使用提示

冷藏室	<p>“經過處理的食品和飲料...”</p> <p>用於常規存儲食物和飲料或者暫時儲存即時需要的食物和飲料。</p> 
額外冷藏區	<p>“乳製品...”</p> <p>存儲乳製品等容易腐爛但急凍後容易變質的產品。</p> 
蔬果格	<p>“水果和蔬菜”</p> <p>較高濕度便於保持水果和蔬菜保鮮多汁。</p> 
淨味除菌區	<p>“新鮮食品...”</p> <p>儲存新鮮魚肉等食品，避免異味擴散至急凍室。</p> 
急凍室	<p>“經乾燥或冰凍的食品...”</p> <p>適用於更長時間存儲食品。</p> 



推薦使用密封容器進行儲存！

防止托盤
內側掉色！



- 切削柑橘類水果
(→ 塑料將會褪色變成白色。)

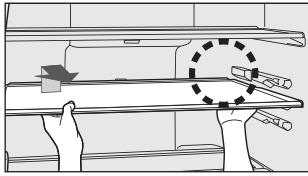
防止氣味擴散！



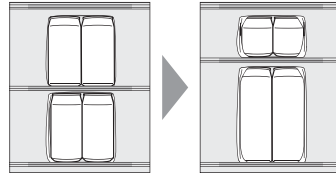
- 大蒜或者其他氣味較大的蔬菜
(→ 氣味會蔓延至附近的食品。)

可以更改從頂部算起第二個托盤的位置

(1) 向上抬起托盤並往前拉。



(2) 以相反的步骤將托盤放回原處。



- 玻璃托盤很重。請小心處理，以免掉落並造成任何損壞或傷害。
- 冷藏區玻璃托盤（從頂部算起的第一個托盤）不得放在 PC 玻璃托板的位置。

額外冷藏區用途

■ 如果您不想急凍食物。

- 此區域適合儲存冷藏食品或乳製品。

[適合儲存的食物]

- 冷藏食品
- 鮮奶油
- 酸奶
- 水煮麵
- 奶酪



- 因食品而異，可能會出現部分急凍。改變食品放置的位置或將冷藏室的溫度設置為“Min”（最小）。

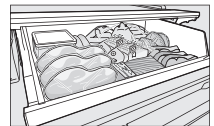
注意事項

- 如果雪櫃冷卻不充分或溫度太低，請按照第 7 頁所述步驟升高或降低溫度。
- 儲存肉類時，應使用密閉容器儲存，防止強烈的氣味擴散至附近的飲料。食品不應存放超過 1 週。

淨味除菌區用途

■ 如果您想透過部分急凍來延長食品壽命。

- 此區域適合儲存新鮮肉、魚等食品。
- 根據食品數量和種類，將溫度設置為“Min”（最小），
“Med”（中溫）或“Max”（最大）。（第 7 頁）



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

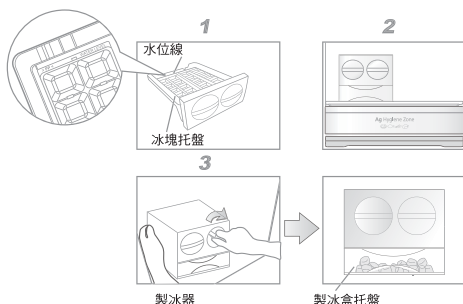
如何使用製冰器製作冰塊

步驟

1. 加水至冰塊托盤“WATER LEVEL” (水位線)。
2. 將冰塊托盤放進急凍室，等待製冰。
3. 要取出冰塊，請用左手按壓框架，右手順時針轉動冰塊托盤。
冰塊便會掉進製冰盒托盤。

備註：

- 不要將水倒入製冰盒中製冰，否則製冰盒可能會破裂。



如何清洗雪櫃

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。



偶爾清潔可拆卸部件...

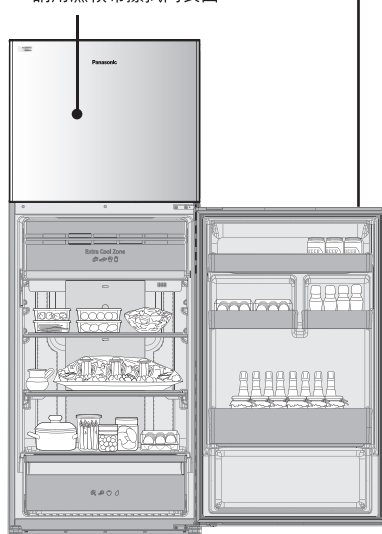
製冰裝置，一週清理一次。
根據指引，請每三個月取下托盤、門架等，然後將其浸入溫水中清洗。



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塗抹於門襯墊的石油膠。

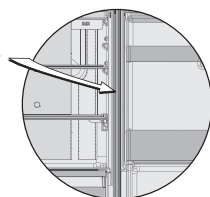
請用濕軟布擦拭門表面。



說明

“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)

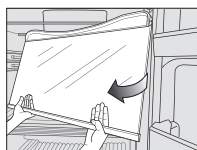
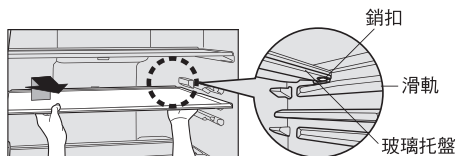


PC 玻璃托盤

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

托盤向裏推入，直至到達盡頭。

注意事項

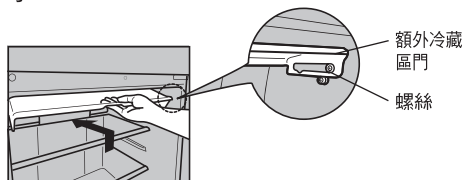
- 取下蔬菜格上的托盤時，請先拉出蔬菜格，再如上所述取出托盤。
- 萬一在裝回盤子時卡不住，請檢查確認是否裝錯了托盤。
- 托盤是由玻璃製成的且很重。請小心處理，以免掉落並造成任何損壞或傷害。要裝托盤時，將突出側朝下握住並牢固插入。

額外冷藏區門

每三個月清洗一次

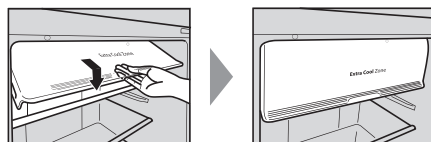
■ 取出

向上抬起額外冷藏區門並將其滑入插槽，直至到達盡頭。然後擰下螺絲，取下蓋子。



■ 裝上

將額外冷藏區門插入插槽，然後擰緊螺絲。然後將其滑出，拉下蓋子。

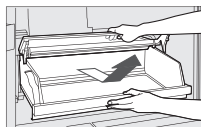


- 確保手心向上抓住蓋子。否則，您的手可能會意外碰到雪櫃。

淨味除菌區

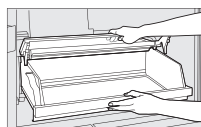
每三個月清洗一次

■ 取出



快速拉出儲存盒。抬起前端，然後握住儲存盒的上邊緣傾斜拉出。

■ 裝上



舉起擋板，升高儲存盒的背部，然後沿著內裡的滑軌安裝。

注意事項

- 拉出或裝上淨味除菌區時，請務必手心向上抓住把手。請參閱上圖。
(否則，FC 蓋子可能會意外碰到手指。)

門架/瓶架

每三個月清洗一次

■ 取出

向上輕敲小架子底部，或者向上交替滑動瓶架的左側和右側，慢慢將它們抬起。
(安裝得很緊)



■ 裝上

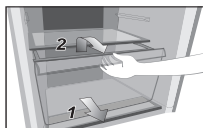
置于兩邊的支架上，向裏推入，直至到達盡頭。

蔬果格

每三個月清洗一次

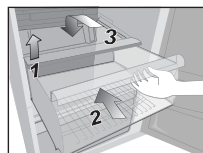
■ 取出

- 1 將蔬果格向前拉至盡頭。
- 2 稍微抬起蔬果格前端，然後完全取出。



■ 裝上

- 1 蔬果格上的蓋子保持蓋緊，直到蔬果格裝好為止。
- 2 將蔬果格抬起放在兩個支架上。
- 3 向內推動蔬果格，直至到達盡頭。



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，5 分鐘後再重新插回。

雪櫃溫度不夠低。

- 檢查確保控制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。

外面

- 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。

裡面

- 門是否緊密關閉？
- 開關門是否太過頻繁？
- 如果環境濕度過高，長時間打開櫃門或製作了太多冰塊，冷凍室內部就可能結霜。這是正常現象。請用乾燥的軟布抹掉。



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。
- 打開和關閉門時，雪櫃內部可能會發出嘯叫聲。這是由於外部空氣通過雪櫃背面的管道吸入，以更好地平衡設備內部的空氣流通所致。
- 檢查平底水蒸發器是否與蒸發管接觸

食物結冰。

- 是否把食物放近冷風口處？
- 是否將溫度控制調整為「Max」（強冷）？調整為「Min」（弱冷）。
- 是否將食物放在額外冷藏區？

內部出現異味。

- 是否放置沒有包裹，會發出氣味的食物？

雪櫃使用說明指引

雪櫃的表面發熱。

- 由於雪櫃具有防結露和發熱管設備，因此它在工作時表面會變熱。
- 當制冷啟動或櫃門經常開閉時，背部和兩側發熱會更為明顯。

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。
- 雪櫃內附件在制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。

燈無法打開。

- 請聯繫 Panasonic 電器服務中心。

規格

型號		NR-TX461BPSS	NR-TX461WGKS
急凍等級		✱***	
容量 (公升) 毛容量/有效容量	合計	450/405	
	急凍室	134/110	
	冷藏室	316/295	
外型尺寸 闊 × 深 × 高 (毫米)		686 x 694 x 1764	
淨重 (kg)		65	71
製冷劑類型		R600a	
額定電壓 (伏特) 額定頻率 (赫茲)		請參考雪櫃門上的額定標籤。	

備忘錄

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Website: <http://www.panasonic.com>

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