



Panasonic®

Operating Instructions Household Refrigerator

(Frost- Free Refrigerator)

Model NR-W631VC-TP

- This product is intended for household use only.

Please use this product in the right way to save power.

- Please read these operating instructions and warranty card thoroughly and keep them for future reference.
Please read the “Safety precautions” before use.
- Thank you for purchasing the Panasonic product.
- The appearance, color and pattern of the refrigerator are subject to the actual product.

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Environment protection

Package disposal



The packaging materials are reusable, please dispose of them properly when discarding. Keep packing bags, cartons and plastic films out of the reach of infants and young children to avoid injury or suffocation.

Refrigerator disposal

- Unplug the power cord.
- Cut off the power cord, and discard the refrigerator and the power plug together.
- Remove the refrigerator door and door seals to avoid accidents when children enter and play.
- This unit uses flammable refrigerant, and Cyclo-Pentane insulation, please contact a qualified authorizer for disposal to avoid environmental impact or other hazards.

Features

- ◆ High-grade exterior design perfectly matched with high-end kitchens
The use of frameless glass and pure aluminum alloy handles reflect elegant details.
- ◆ Energy efficient
 - Using Panasonic inverter compressor to decrease power consumption and lower noise.
 - Energy-saving navigation function, through the memory intelligent conversion of three operating modes, effectively achieve energy saving and power saving.
- ◆ Overhead compressor
Panasonic's unique design moves the traditional bottom compressor to the top of the refrigerator, effectively optimizing the internal use of space.
- ◆ Wide variable case
Upon your own living habits and seasonal changes, the temperature can be adjusted between 4°C~-3°C and -8°C~-18°C to keep the freshness and nutrition of different foods to the greatest extent, making it more convenient to use.
- ◆ Prime Fresh room (including cooling mode)
Upon your own living habits and seasonal changes, the temperature can be adjusted between 4°C~-3°C to keep the freshness and nutrition of different foods to the greatest extent, making it more convenient to use.
- ◆ Nano Fresh Ag
The refrigerator room is equipped with Nano Fresh Ag, which can effectively inhibit the production of bacteria.
- ◆ Quick freezing mode
Quickly freeze to keep the original flavor of the food.
- ◆ LED display processor
 - Refrigerator room, freezer room, Prime Fresh Room, Wide variable case are controlled by computer systems respectively.
 - LED display shows temperature and modes.
 - Setting temperature and modes with ease by touch control panel.
 - Refrigerator room, wide variable case and freezer room have closing reminder mode.
 - Holiday mode.
 - Key lock function.

Safety precautions

Please be sure to follow these instructions

In order to prevent the risk of serious injury and damage to property, please comply with the following important safety instructions.

- The extent of possible harm caused by wrong usage is described by the following symbol.



Warning

This symbol indicates danger of death or serious injury.



Caution

This symbol indicates risk of serious injury or damage to property.

- The unit must be operated in accordance with the following symbols.



This symbol indicates something which is strictly forbidden.



This symbol indicates something which must be adhered to.



R600a
iso-butane

Risk of fire / flammable materials



Warning

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

For power plug and cord



FORBIDDEN

- Do not touch the plug with wet hands.
- Do not let the cord or plug be damaged.
- Do not use damaged cord or plug.
- Do not bundle the power cord.
- Do not unplug by pulling out the cord.
- Do not use a loose socket.
- Do not squeeze the power plug on the back of the refrigerator.



MUST
COMPLY

- Use AC230V, 10A power.
- Plug into a wall outlet of the rated voltage and insert plug fully.
- If the refrigerator is used with a large voltage fluctuation range (over the range of 187~242V), it may not be used normally or other accidents may occur.
- Unplug the power plug and cord immediately if there is any abnormality.
- Disconnect power plug when cleaning.
- Keep the plug in place for easy cleaning. (Regularly wipe off the dust on power plug. If not, it may cause poor insulation or fire due to humidity.)
- 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.

When using



FORBIDDEN

- Do not disassemble, repair or modify the refrigerator by yourself.
- Do not damage the cooling circuit to prevent fire due to leakage.
- Do not store flammable spray in this appliance.
- Do not knock on the glass door, hit the refrigerator door when taking out items to avoid cracking.
- Do not use mechanical device or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- 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 remove the cover at the rear of the refrigerator.
- Do not spray water inside and outside refrigerator.
- Do not let any children hang onto the refrigerator's door.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not store medicines and medical laboratory equipments.
- Do not add a high impact on glass trays.



MUST
COMPLY

- Due to the weight of the glass tray, be careful when disassembling it to avoid injury from falling.
- Ventilate the kitchen if flammable gas leaks, and do not touch the refrigerator.
- Immediately disconnect power plug if you detect burning smell.
- Please contact Panasonic service center if the LED is damaged and do not repair by your self.
- Do not touch broken or cracked glass door, please contact Panasonic service center.
- 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.

When installing



FORBIDDEN

- Do not place the refrigerator where it is easy to splash water.
- Do not place any water container, power outlet, voltage stabilizer, microwave and candle on the top of the refrigerator.



MUST
COMPLY

- Do not put any obstructions around the refrigerator and its space to ensure ventilation.
- Make sure to ground and install with a leakage protection device when the refrigerator is used in a humid place.

When disposing this product



MUST
COMPLY

- Before taking the refrigerator to be disposed, please remove all the doors and opening seal to prevent locking a child inside.
- This unit uses flammable refrigerant, and Cyclo-Pentane insulation, please discard it by proper method to avoid environmental impact or other hazards.



Caution

- There is a risk of burn, injury and accidents.

When using



FORBIDDEN

- Do not put bottle in the freezer room.
(If the liquid in a glass bottle is frozen, then the bottle may break and you may be injured)
- Do not put the bottles beyond the edge of glass tray.
(If they are bigger than tray or shelf, it may fall down and cause injury when the door is opened)
- Do not touch the food and containers in the freezer room with wet hands.
(If not, it may cause hand frostbit, especially metal containers)
- Do not use food that emits peculiar odor or discoloration.
(Eating spoiled food can cause disease)

When cleaning



FORBIDDEN



MUST
COMPLY

- Do not insert your hand at the bottom of the refrigerator.
(It may cause injury)
- Do not wipe the metal rail excessively.
- Lay protective board for easily damaged ground when you move the refrigerator for cleaning process.

When closing the doors



FORBIDDEN

- Do not put your finger on the upper part of the tray when you close the door.
(It may pinch your finger)
- Do not open or close the door with excessive impact.
(It may cause injury due to food falling out)
- Please confirm if anyone else is touching the refrigerator.
(To avoid pinch other's finger)
- Avoid hitting your feet when you pull lower tray.

Installation

Please install the refrigerator properly and safely to save electricity bills and suppress noise.

Unpacking

Remove the packing box, foam base and all fixing tapes.

Proper installing location

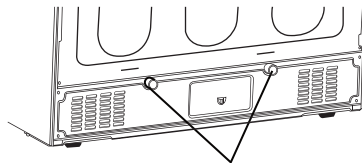
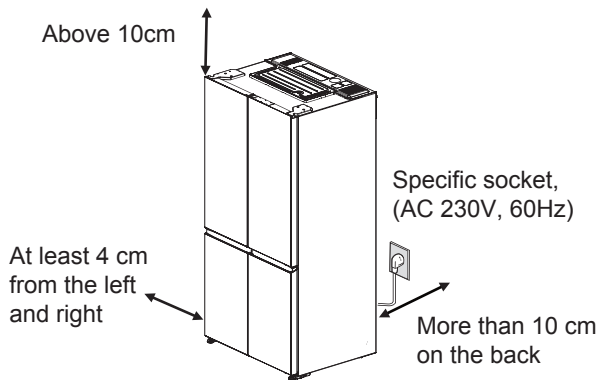
Do not locate the refrigerator exposing to direct sunlight and hot air which can suppress the decline in cooling capacity and electricity bill saving. The refrigerator should be placed at a dry, well ventilated location which can inhibit mold and save electricity bills.

Put the refrigerator at a firm level

Rotate the adjusting foot and fix it. (Prevent vibration and noise). When placing the refrigerator on carpets and PVC floor, place a strong wooden board under the refrigerator. (To avoid discoloration due to heat)

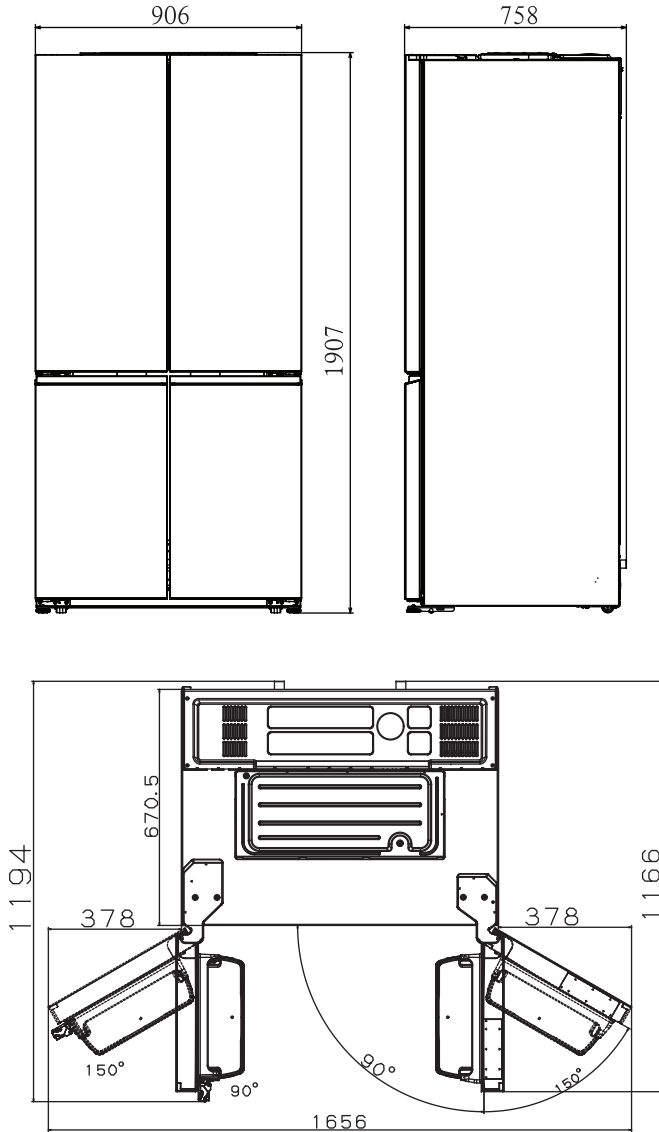
Leave the space for heat dissipation

The refrigerator will spread heat to surrounding during food cooling process. Leave at least 4 cm from the left and right and 10 cm from the upper and lower part as shown in the figure. (It requires more space if it produces vibration and noise)



Area around the installed unit

Refer to the figure below for the size of the refrigerator and the required installation space. (Unit: mm)

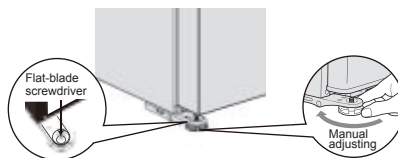


Adjustment method (please place the refrigerator on a level ground)

Adjust the adjusting foot in the direction of the arrow so that the refrigerator is close to the ground to avoid vibration and noise.

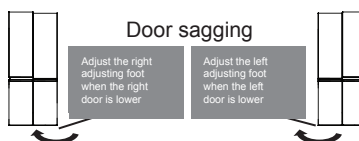
Manual adjusting

When it is hard to manually adjust, use a flat-blade screwdriver to adjust it.



If the left and right doors do not match, adjust them according to the direction of the arrow until they are aligned.

If the doors of freezer room and wide variable case are not balance, please contact Panasonic service center for adjusting by a qualified person.



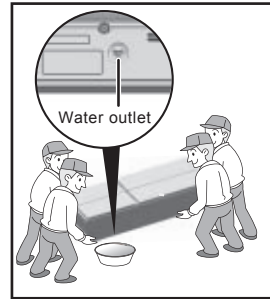
* For the first use, let the refrigerator standby after installation and leveling for more than 30 minutes before turning on the power to ensure the normal operation.

If it occurs

- It is not recommended to use extension socket. If you must use extension socket, please use specific ones according to local regulations and regularly check if there is any loose pins or wire heating.
- Do not open refrigerator frequently and add more foodstuff when there is a power failure. (To prevent temperature inside from rising)
- When the plug is disconnected, leave it for 10 minutes before plugging again. (If not, it will increase the load on the compressor resulting in malfunctions.)

Moving or shifting

- ① Remove the ice tray, water or ice from the ice box.
- ② Unplug the power.
- ③ Remove front panel, adjusting foot and pull the refrigerator forward.
- ④ Drain the water from the back drain tray. Place a container under the drain tray and tilt the refrigerator back.
(It requires more than 4 persons) to drain water from the tray.
※ Two persons hold the front side to prevent injuries caused by the sliding of the refrigerator.

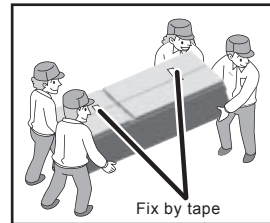


How to move or shift the refrigerator

It requires at least 4 persons to handle the refrigerator.

Each person holds and lifts a corner of the refrigerator.

Do not carry the refrigerator door.



Note

- Use tape to completely fix the door so that it is not easy to open when moving refrigerator.
- Do not lay the refrigerator on its side as it may cause malfunction.
- Leave at least 30 minutes before plugging the power to ensure normal operation.

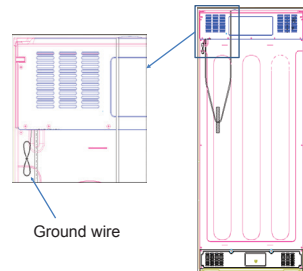
Making ground connection to ensure safety

(For refrigerators with plug (2-pin plugs) and no ground wire)

Grounding is to prevent electrical hazard from electric leakage.

There are two ways for grounding as below.

1. If the power outlet (power socket) already has ground socket, make ground connection with specific screw on the refrigerator back side (please pay attention to the mark of the screw \oplus). Then, connect the other terminal to the ground socket.
2. If the power outlet (power socket) has no ground socket, make ground connection with specific screw on the refrigerator back side (please pay attention to the mark of the screw \oplus). Then, connect the other terminal to the grounding bar.



Points where grounding is prohibited

- Gas pipe and water inlet pipe (risk of electrical shock or explosion).
- Ground wire of telephone or lightning rod (risk of lighting).

Food storage

After installing

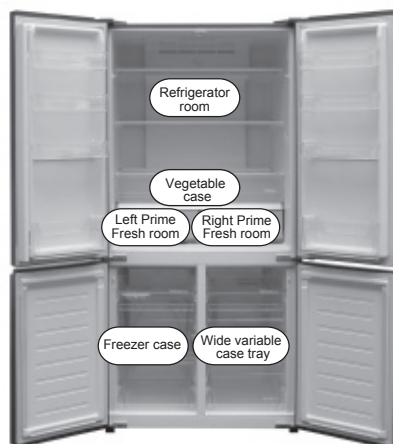
- Clean the inside of the refrigerator
- Put the food when the refrigerator is cool enough. (Even if the refrigerator is plugged in, it is impossible to cool down immediately. It takes 4 hours for the refrigerator to cool down in hot summer)

When storing food

- Clean the food
There are many unexpected stains on the food, please clean before placing it into the refrigerator. Sorting food by zone avoids cross-contamination caused by mixing raw and cooked food.
- Foodstuff wrapping
To prevent unpleasant odour and drying. Foodstuff should be wrapped with plastic film or packed in box before freezing to ensure a dry package surface. Do not put food to be frozen with frozen ones. Reduce the amount of frozen food if you need to freeze the food every day.
- Leave food cool
Even being cool, hot food makes temperature inside the refrigerator rising, resulting in waste of electricity bills.

Location for food storage

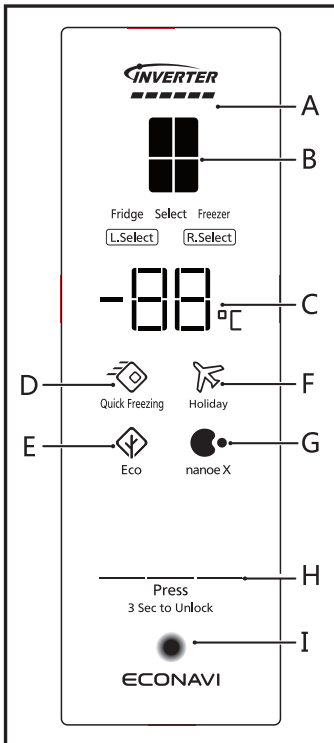
- Refrigerator room
Refrigerator room is suitable for cooked food, egg, beverage, ingredients, canned food, etc.
- Vegetable case
It is suitable for storing vegetables and fruits.
- Right and left Prime Fresh Room, wide variable case
Storing various foods according to different functions. Please refer to page 20 "How to use Prime Fresh room, wide variable case".
- Freezer case
It is suitable for preservation of ice cream, frozen food, and long-term preservation of food.



Name and function of control panel

Starting use

- When the refrigerator is powered on for the first time, the control panel lights up, temperature display zone shows temperature for refrigerator room of 8°C, wide variable case of 8°C, freezer room of -12°C, left and right Prime Fresh Room of 8°C respectively, also corresponding display icons are fully bright and nanoe™ X icon lights up until temperature display zone stops flashing for about 3-4 hours. (At this time, the ambient temperature is about 32°C, do not store food, close the door until the refrigerator operates normally)
- In the summer, when the ambient temperature is high, temperature display zone will not show actual temperature.



Control panel

- A. Cooling level standard**
Indicates the refrigerator cooling level standard (compressor speed)
- B. Room display icon:** Corresponding icon lights up when you select a specific room. Room selection button: To select refrigerator room, wide variable case, freezer room and Prime Fresh Room.
- C. Temperature display zone:** To display temperature for refrigerator room, wide variable case, freezer room and Prime Fresh Room.
Temperature setting button: To adjust temperature for refrigerator room, wide variable case, freezer room and Prime Fresh Room.
- D. Quick freezing mode icon:** Display current status of Quick freezing mode. Quick freezing mode button: Setting or canceling Quick freezing mode.
- E. ECONAVI mode icon:** Display current status of ECONAVI mode.
ECONAVI mode button: Setting or canceling ECONAVI mode.
- F. Holiday mode icon:** Display current status of holiday mode. Holiday mode button: Setting or canceling holiday mode.
- G. nanoe™ X mode icon:** Display current status of nanoe™ X mode.
nanoe™ X mode button: Setting or canceling nanoe™ X mode.
- H. Lock icon:** Display if the control panel is locked or not. Unlock button: Press and hold for 3 seconds to unlock the control panel.
- I. ECONAVI indicator:** Display current status of ECONAVI mode.

Note

- Under normal conditions, the control panel light is off. The control panel light lights up when you push the button or open refrigerator door.
- In hot weather such as summer, the indoor temperature may rise due to uncooled food or continuously opening and closing of the door, and the displayed value may be higher than the set temperature. Therefore, please reduce the number of door openings appropriately.
- When the ambient temperature is low, the temperature displayed in the refrigerator room is the actual one after the power is turned on, and the temperature display does not flash at this time; the temperature displayed in the freezer room is -12°C, and the temperature display flashes at this time.

Temperature control

- When the refrigerator leaves the factory, set temperature of the refrigerator room, left and right Prime Fresh Room, wide variable case, and freezer are respectively 4°C, 0°C, 0°C -3°C, -20°C. If you want to change the cooling capacity, you can adjust the temperature setting.
 - The temperature in the refrigerator will vary depending on the ambient temperature, setting status, use conditions and the amount of food.
 - Due to different test methods and tools, when the ambient temperature changes, the compressor runs or stops, and the door is opened or closed, the indoor temperature will fluctuate, causing the temperature in refrigerator to deviate slightly from the set temperature.
-

Unlock the control panel

Touch the control panel to light up the lamp, temperature display zone shall sequentially show temperature of refrigerator room, wide variable case, freezer room, Prime Fresh Room and such room icon shall be highlighted and nanoe™ X mode icon also lights up.

Press the unlock button for 3 seconds, the lock icon goes out after the buzzer sound, and the control panel is unlocked. Temperature display zone flashes to display the set temperature of the refrigerator room, while the refrigerator room display icon is highlighted. Lights for quick freezing mode, holiday mode and ECONAVI mode turn to dim.

Setting refrigerator room temperature

After unlocking, corresponding refrigerator room display icon lights up when the refrigerator room is selected and the temperature display zone flashes to display the set temperature.

Press temperature setting button to set the refrigerator room temperature. Each time you press the temperature setting button, the temperature drops by 1°C. 10 seconds after temperature and mode are set, temperature display zone stops flashing, lock icon lights up after buzzer sound and the control panel is locked.

Temperature setting range for refrigerator room is 7°C~1°C, set temperature is “7°C” — “6°C” — “5°C” — “4°C” — “3°C” — “2°C” — “1°C” respectively.

Set temperature for left and right Prime Fresh Room

After unlocking, corresponding room display icon lights up when the Prime Fresh Room is selected and the temperature display zone flashes to display the set temperature.

Press temperature setting button to set the Prime Fresh Room temperature. Each time you press the temperature setting button, the temperature drops by 1°C. 10 seconds after temperature and mode are set, temperature display zone stops flashing, lock icon lights up after buzzer sound and the control panel is locked.

The set temperature range of the Prime Fresh room is 4°C ~ -3°C, set temperature is “4°C” — “3°C” — “2°C” — “1°C” — “0°C” — “-1°C” — “-2°C” — “-3°C” respectively.

Setting wide variable case temperature

After unlocking, corresponding room display icon lights up when the wide variable case is selected and the temperature display zone flashes to display the set temperature.

Press temperature setting button to set the Prime Fresh Room temperature. Each time you press the temperature setting button, the temperature drops by 1°C.

10 seconds after temperature and mode are set, temperature display zone stops flashing, lock icon lights up after buzzer sound and the control panel is locked.

The set temperature range of wide variable case is 4°C ~ -3°C, -8°C ~ -18°C, set temperature for the wide variable case is "4°C"—"3°C"—"2°C"—"1°C"—"0°C"—"1°C"—"2°C"—"3°C"—"8°C"—"9°C"—"10°C"—"11°C"—"12°C"—"13°C"—"14°C"—"15°C"—"16°C"—"17°C"—"18°C" respectively.

Setting freezer room temperature

After unlocking, corresponding room display icon lights up when the freezer room is selected and the temperature display zone flashes to display the set temperature.

Press temperature setting button to set the freezer room temperature. Each time you press the temperature setting button, the temperature drops by 1°C. 10 seconds after temperature and mode are set, temperature display zone stops flashing, lock icon lights up after buzzer sound and the control panel is locked.

Temperature setting range for freezer room is -17°C~-25°C, set temperature is "-17°C"—"-18°C"—"-19°C"—"-20°C"—"-21°C"—"-22°C"—"-23°C"—"-24°C"—"-25°C" respectively.

Function setting

Unlock the control panel

Touch the control panel to light up the lamp, temperature display zone shall sequentially show temperature of refrigerator room, wide variable case, freezer room, Prime Fresh Room and such room icon shall be highlighted and nanoe™ X mode icon also lights up. Press the unlock button for 3 seconds, the lock icon goes out after the buzzer sound, and the control panel is unlocked. Temperature display zone flashes to display the set temperature of the refrigerator room, while the refrigerator room display icon is highlighted. Lights for quick freezing mode, holiday mode and ECONAVI mode turn to dim.

Quick freezing mode

After unlocking, selecting quick freezing mode to display corresponding icon, quick freezing mode is enable.

Do the same operation to cancel the quick freezing mode.

You can use the quick-freeze function for foodstuff

After the quick-freezing function is selected, the temperature of the freezer room drops rapidly to make fresh food quickly frozen.

You can cancel quick freezing mode if freezer room reaches a sufficiently low level;

If not, the processor shall automatically cancel this mode after a default freezing time (50 hours).

Note

After the quick freezing mode is selected, the refrigerator can continuously run for a certain time or stop for a short time, and the refrigerator room temperature may be lower than the set temperature.

If the power plug is disconnected or there is power failure, the quick freezing mode will be canceled automatically.

Holiday mode

After unlocking, press holiday mode button, corresponding icon will display and the holiday mode is selected. Do the same operation to cancel the holiday mode setting. Enable this mode when there is no need to use the refrigerator room, left and right Prime Fresh Room.

After the holiday mode is selected, take out foods that are difficult to store at room temperature, such as fruits and vegetables to avoid deterioration or mold, and contamination to the refrigerator.

After the holiday mode is selected, LED in freezer room does not light, and the refrigerator room and left and right Prime Fresh Room temperature cannot be set and displayed.

Note

After the holiday mode is selected, the door open alarm is still active.

If the power plug is disconnected or there is a power failure, the holiday mode will not be canceled automatically.

LOCK MODE

In the lock state, touch the control panel to light up the display. At this time, it is impossible to operate any button.

Hold unlock button for more than 3 seconds to enable lock mode.

The control panel will be automatically locked after 10 seconds without any operation.

nanoe™ X mode

After unlocking, select nanoe™ X mode button, corresponding icon will display and nanoe™ X mode is selected.

- Nanoe water ions produced from nanoe™ X mode are very fine and created by moisture in cool air.
- Air outlet for Nanoe water ion is located at the back of Prime Fresh Room.
- Nanoe water ions are generated by collecting moisture in the air, so the effect will be determined by the food in the refrigerator. The effect reduces if there are too much bottle, canned food or less vegetable.
- You can hear hiss sound from the refrigerator when Nanoe water ions are generated.
- After nanoe™ X mode is set, and the refrigerator room door is closed for long time, unpleasant odor will occur but this is a normal phenomenon.

Note

If the power plug is unplugged or there is a power failure, nanoe™ X mode returns to selected state.

ECONAVI mode

After unlocking, press ECONAVI mode button, corresponding icon will display and the ECONAVI mode is selected. Do the same operation to cancel the ECONAVI mode setting.

When ECONAVI mode is enable:

Through the opening and closing frequency of the refrigerator door, the refrigerator can learn about the rules of life and lower using time. At the same time, the ECONAVI function starts to operate when the light around the refrigerator becomes dark.

The ECONAVI indicator lights up when ECONAVI mode is enable.

ECONAVI operation shall automatically optimize cooling performance by sensing the number of door closing and opening, and the brightness of the surrounding light.

- The temperature of refrigerator room increases if the door is opened and energy saving navigation mode does not operate.
 - The set temperature and displayed temperature may be different during ECONAVI operation.
-

Displaying cooling level standard: (compressor speed)

● Cooling level standard: (Compressor speed):



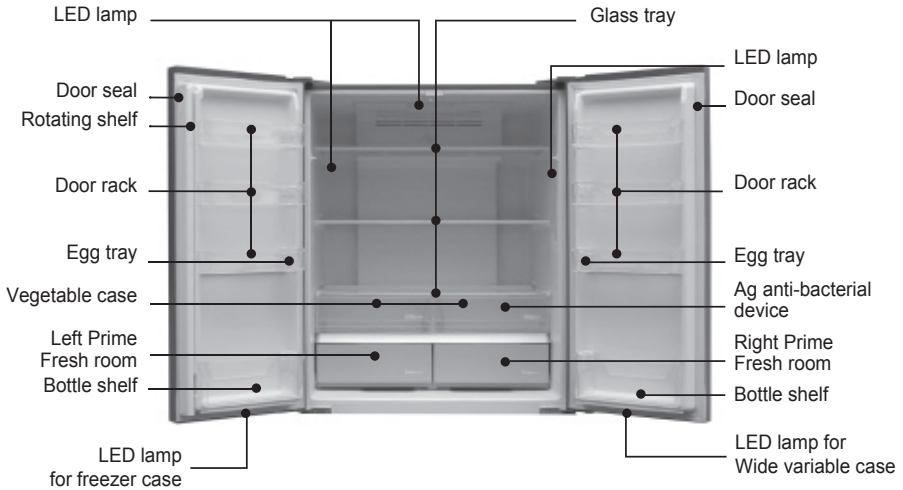
- Stop cooling
(The compressor stops)
- Minimum cooling capacity
(The compressor runs at low speed)
- Medium cooling capacity
(The compressor runs at medium speed)
- High cooling capacity
(The compressor runs at high speed)
- Maximum cooling capacity
(The compressor runs at maximum speed)

Warning

In order to remind whether the refrigerator room, wide variable case or freezer room are closed, and whether the temperature is abnormal, this product is equipped with door opening alarm and temperature abnormality reminder functions.

		Temperature display	Buzzer	LED lamp
Refrigerator door opening time	1 minute later	Display U10	1 beep	1 flash
	3 minutes later	Display U10	2 beeps	2 flashes
	5 minutes later	Display U10	Repeatedly beep	Repeatedly flash
Time for opening door of Wide variable case	1 minute later	Display U10	1 beep	—
	3 minutes later	Display U10	2 beeps	—
	5 minutes later	Display U10	Repeatedly beep	—
Time for Opening freezer door	1 minute later	Display U10	1 beep	—
	3 minutes later	Display U10	2 beeps	—
	5 minutes later	Display U10	Repeatedly beep	—
Abnormal temperature	Refrigerator room temperature above 8°C	Flashing	No sound	—
	Left and right Prime Fresh Room temperature above 8°C	Flashing	No sound	—
	Wide variable case temperature above 8°C	Flashing	No sound	—
	Refrigerator room temperature above -12°C	Flashing	No sound	—

How to use refrigerator room



TEMPERATURE FOR REFRIGERATOR ROOM

Temperature setting range of the refrigerator room is 7°C~1°C

When the temperature in refrigerator room reaches 2°C or 1°C for long time, foodstuff can be frozen.

NANO FRESH AG

The refrigerator room is equipped with silver nano anti-bacterial device, which can effectively inhibit the production of bacteria.

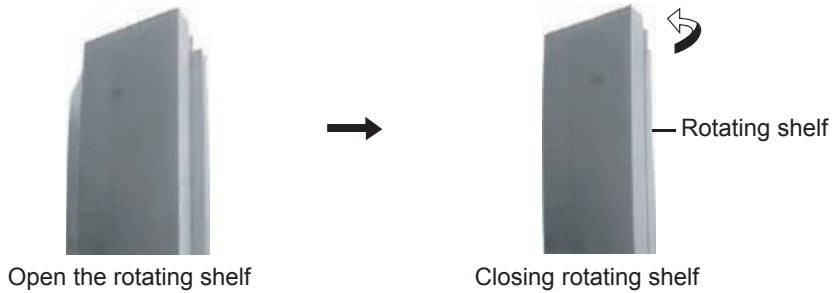
Test agency: Zhongjiayuan (Beijing) test and certification Company Limited (China Household Electric Appliances Research Institute)

Testing method: GB 21551.2

Target subject: Silver anti-bacterial ion block

Testing result: antibacterial rate is over 99%

ROTATING SHELF



It is impossible to close the refrigerator door until the rotating shelf is closed.

Note

- Please push the vegetable case back to the original place after usage (fully pushing until it sounds "click").
- Smelly food should be store in airtight container or nylon wrap.
- Egg tray and manuals are put together when the refrigerator leaves the factory.

How to use Prime Fresh room, wide variable case

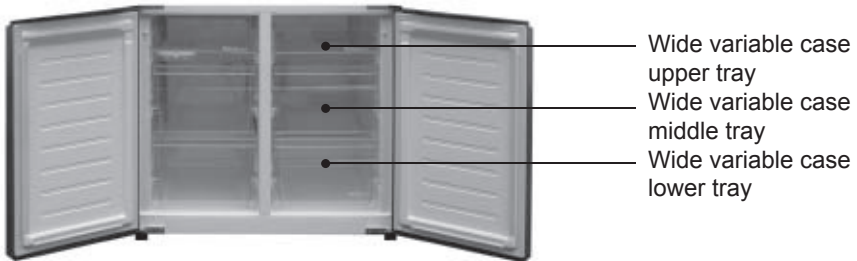
LEFT AND RIGHT PRIME FRESH ROOM TRAY



Temperature setting range of the left and right Prime Fresh Room is 4°C~3°C. Left and right Prime Fresh Room are independent and you can set different temperature for them.

- The temperature of the left and right Prime Fresh Room is set between 4°C~2°C to make refrigerator room.
- When the temperature of the Prime Fresh Room is set between 1°C~3°C, do not store foods that are prone to spoilage at low temperatures, such as bananas and melons. When the temperature is set between 1°C~0°C, it is suitable for storing dairy products and processed foods. When the temperature is set between -1°C~3°C, it is suitable for short-term preservation of fresh fish, meat and fresh food.

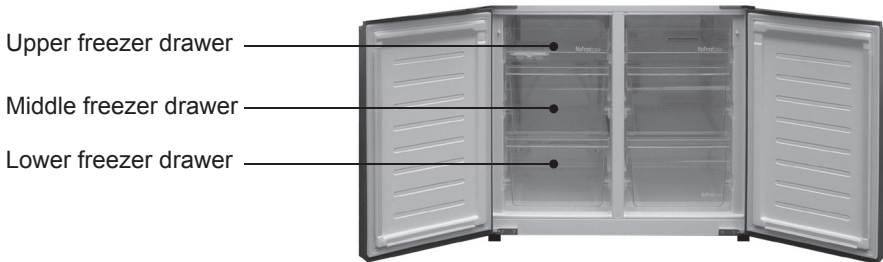
WIDE VARIABLE CASE TRAY



- Temperature setting range for wide variable case (including Prime Fresh mode) is 4°C~3°C, -8°C~-18°C, and the temperature can be set upon needs of food storage.
- When the temperature is set between 4°C~2°C, it is suitable for cooling cooked food, eggs, drinks, etc.
- When the temperature is set between 1°C~0°C, it is suitable for storing dairy products and processed food, etc.
- When the temperature is set between -1°C~3°C, it is suitable for short-term preservation of fresh fish, meat and fresh food.
- When the temperature is set between -8°C~-16°C, it is suitable for storing fresh fish, meat, etc.
- The temperature is set from -17°C~-18°C, it is suitable for freezer room.
- When the temperature of wide variable case is set below 1°C, do not store foods that are prone to spoilage at low temperatures, such as melons, etc.
- When the temperature in wide variable case is set under -18°C, the actual temperature may be lower than the set temperature.
- The food stored in the drawer of the wide variable case does not exceed certain height, otherwise the drawer cannot be closed normally or may be damaged. Slightly open the drawer to avoid spilling the contents.
- Due to the linkage between the wide variable case and freezer room, the wide variable case temperature is lower than the set temperature of freezer case, the actual temperature of wide variable case will be higher than the set one, but it does not affect the actual operation.

How to use freezer room

FREEZER ROOM



The temperature range of freezer room is between $-17^{\circ}\text{C}\sim-25^{\circ}\text{C}$.

The upper freezer drawer is suitable for storing small food.

The lower freezer drawer is suitable for storing big food.

The food stored in the drawer does not exceed certain height, otherwise the drawer cannot be closed normally.

Note

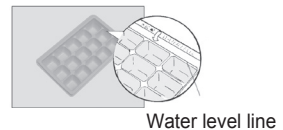
- Slightly open the drawer to avoid spilling the contents.

HOW TO MAKE ICE CUBE

※ Ice tray, ice tray lid and manuals are put together when the refrigerator leaves the factory.

- How to make ice cube

- ① Pull out the freezer room drawer, take out ice tray, remove lid and fill to specified line with water, cover drawer and then put ice tray to the original position.



- ② When the ice making stops, pull out the upper freezer drawer, remove ice tray lid and then gently bend both sides with your hand to remove ice.



Note

Put ice tray and lid on the upper freezer drawer only.

(For the best ice making performance, place ice tray and lid at specified position)

Removing spare parts

Refrigerator room, Left and right Prime Fresh Room

Glass tray



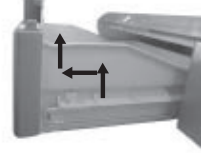
Gently lift up the tray edge and remove it.

Door rack, bottle shelf



Gently push forward and then pull it out.

Vegetable case, drawers of left and right Prime Fresh Room



Pull the vegetable case, Prime Fresh Room drawer forward, hold both edges of the tray to slightly lift it up, and then pull the drawer forward, lift it up and away from the guide rail and pull out.

Freezer room and wide variable case



Firstly, pull the drawers of freezer room, wide variable case out, and gently lift them up, then pull them out completely.

Note

- Before removing any parts, please check whether food is stored inside. Remove to avoid accident.

Defrosting and cleaning

Defrosting

- This refrigerator uses automatic defrosting, manual defrosting is not necessary.
The frost on the evaporator will automatically melt and flow into the evaporator tray.

Before cleaning

- Turn off the power before cleaning.

When cleaning

- Exterior cleaning

Wipe off the stain with warm water or clean water, and then dry with a clean soft cloth.

✕ When the paint on the refrigerator surface is damaged, please remove the rust as soon as possible and apply waterproof wallpaper.

- Door seal

The door seal is easy to adhere to water from food, and it is easy to be damaged and cause cooling air leakage. Therefore, regularly clean with damp cloth, then dry with soft clean cloth.

- Interior cleaning

Glass trays, shelves, bottle shelves which are easy to adhere to dirt and stain should be regularly cleaned.

- Do not use the following agents to clean.

Alkaline or weak alkaline agents, detergents, washing powder, abrasive paste, petroleum, boiled water, acid, organic solvent, toothpaste, cooking broom, etc. can easily damage the refrigerator.

- Wipe off oil and grease on the refrigerator.

Grease may cause cracks in plastic parts.

After cleaning

Please confirm:

- Is the power cord damaged?
- Is the power plug getting hot?
- Is the power plug properly inserted?

When the refrigerator is deactivated

- Under normal circumstances, do not stop the refrigerator, so as not to affect the life of the refrigerator.
- If you need to stop the refrigerator, please refer to the above cleaning method, and open the refrigerator door for 2 to 3 days to dry the inside to avoid peculiar smell or mold.

Note

- As the temperature in the freezer compartment rises during maintenance or cleaning, the preservation time of frozen food will be shortened.
- Please contact Panasonic service center if you have any query.

Q & A

After checking the following items, the refrigerator is still abnormal, please unplug the power plug and contact the Panasonic Service Center.

The refrigerator makes sound

- The refrigerant flowing in the pipeline makes a sound, but this is a normal phenomenon.
- The fan of the cooling cycle runs at a high speed and makes noise, which is a normal phenomenon.

The compressor is running loudly

- After the quick freezing mode is selected, the compressor running at high speed makes louder sound than normal operation.
- When there is a lot of food or the ambient temperature is high, the compressor speed increases causing louder sound, this is a normal phenomenon.

Loud sound
There is abnormal sound

- Is the installation ground level and firm?
- Is the back of the refrigerator too close to the wall?
- Is there a lot of foodstuff in the refrigerator?
- The sound when the refrigerator starts or stops working is louder than usual, this is a normal phenomenon.
- The refrigerator installed on the ground can make noise.

Time for compressor operation is longer.

- Is the quick freezing mode selected?
- When the refrigerator is used for the first time, the compressor shall take longer time to operate.
- In summer, the ambient temperature is high and the operation time is long, this is normal.
- Frequently open and close the refrigerator door.
- The refrigerator door is not closed securely.
- A large amount of food needs to be cooled or frozen in the refrigerator at once.

The refrigerator room is not cool enough.

- Is holiday mode selected?
- In winter or when the season changes, the outside temperature drops greatly, and the difference between the temperature in the refrigerator is small, so the refrigerator room temperature is not very cold. This is normal and not a malfunction.

There is water condensation outside the refrigerator

High humidity shall create water condensation. Please wipe it off by the soft dry cloth.

Condensation on the refrigerator room

When the temperature is high and the refrigerator door is opened for a long time, and the refrigerator door is opened more frequently, condensation will often occur.

Condensation in vegetable case.

- The refrigerator increases humidity to prevent vegetable from drying and to increase food storage time
- Please wipe off water condensation at the bottom of vegetable case.

Condensation in the right and left Prime Fresh Room, wide variable case.

When the Prime Fresh room and wide variable case are set to cooling mode, the refrigerator shall increase the humidity in order to prevent the vegetables from drying out, please wipe off the accumulated dew.

Heat on the surface of the refrigerator

Radiator pipes are installed in the refrigerator to avoid freezing. It is normal when it is first used and especially in summer.

Food stored in the refrigerator room get frozen.

- Is the temperature of the refrigerator room set too low?
- Is food stored too closed to air outlet?

The refrigerator door is not easy to open and close

The air pressure will change after opening and closing the door, and after a while, it will be easier to open.

The control panel displays "H" and "[number]" at the same time
For example: H 01

- The refrigerator gets troubles
- It may return to normal by following the operation below.
- ① Disconnect the plug (leave it for 10 minutes before plugging again)
 - ② Using the refrigerator when there is no abnormality.
- After following the above operations, the refrigerator is still abnormal, please contact the Panasonic Service Center.

ECONAVI Energy-saving navigation mode has problem.

- Does ECONAVI mode operate normally?
(This function is set to OFF at the factory)
- Is light sensor covered?
- Is it in a period of frequent use?
Due to the learning and memory function, the ECONAVI mode will be automatically canceled during the period of frequent use.
- After automatic defrosting, the ECONAVI mode during normal cooling operation will be canceled.

List of accessories

Quantity Number Part name	NR-W631VC-TP
Refrigerator	1
Glass tray	3
Vegetable case	2
Left Prime Fresh room	1
Right Prime Fresh room	1
Door rack	6
Bottle shelf	2
Egg tray	2
Ice tray	1
Ice tray lid	1
Upper freezer drawer	1
Middle freezer drawer	1
Lower freezer drawer	1
Wide variable case upper tray	1
Wide variable case middle tray	1
Wide variable case lower tray	1
Manual	1
Warranty card	1

Specification

Product name		Household refrigerator (Frost- Free Refrigerator)
Model		NR-W631VC-TP
Climate class		T
Type of protection against electric shock		Type 0I
Volume Gross/Rated*	Total	715 / 628 L
	Refrigerator room	434 / 374 L
	Freezer room	141 / 121 L
	Wide variable case	140 / 133 L
Rated power		230 V
Rated frequency		60 Hz
Rated current		1.4 A
Refrigerant and quantity		R600a, 85g
Foaming agent		Cyclopentane
Weight		133 kg
Dimension (width x depth x height)		906x758x1907 (mm)

*Gross volume is based on IEC62552 2007
 Rated volume is based on IEC62552 2015

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