

Operating Instructions

Refrigerator (For household use)



MODEL NO **NR-D535XGSAU**
NR-D535XGWAU
NR-D655XGSAU
NR-D655XGWAU

The smart way of using the refrigerator saves energy.

- Thank you very much for purchasing a "Panasonic" Refrigerator.
- Before operating this unit, please read these instructions completely.
- Before using this product, please pay particular attention to the "SAFETY PRECAUTIONS" for safe use.
- Please keep these operating instructions for future reference.

SPECIAL FEATURE

• INVERTER TECHNOLOGY

The motors run at different speeds according to inside temperature variations. Under normal conditions, the motors run at the lower speed. (This saves energy and decreases noise)
When powerful cooling is required, motors run at high speed.

• About ECONAVI



ECONAVI records the usage pattern at different times such as how often and how long the doors are opened and detects the level of lighting around the refrigerator. The refrigerator will automatically turn to the ECONAVI mode to adjust the operation rate to save energy.

- ⊙ When the ECONAVI mode is on, the indicator light is on; when the ECONAVI mode is off, the indicator light goes off.
- ⊙ When the light has been on for five minutes, its brightness will decrease to save energy. The light will turn off when the ECONAVI mode is off.

Note: To enter the ECONAVI mode, you need to set the Refrigerator temperature and the Freezer temperature setting to the "■■■■" Med temperature.

Freezer Temperature

Max ■■■■■■ Med ■■■■ Min ■■

• nanoe™ X device



This machine is accompanied with the nanoe™ X device, the nanoe™ X separates water molecules through the application of high voltage which results in the production of charged purified water particles, which can be used for retaining freshness*², anti-bacteria*³ and deodorization*⁴...etc. (*²: Tested by Panasonic laboratory in Taiwan; test method: Comparison of mangoes (about 427g~469g) in a simulated space at 5°C environment with/without nanoe™ X.

Report No.: Low-temperature barrier suppression report from Panasonic laboratory in Taiwan.

*³: Tested by the Panasonic company in Japan; test method: Place the petri dish (37°C, cultivated for 1 day) in the 45L test box, take samples for 5 timings at (0, 1, 2, 4, 8 hours); Report No.: 1V332-170901-F01. *⁴: Tested by the Panasonic laboratory in Taiwan; test method: Based on the 6-phase odor intensity notation, the degree of odor after placing the tested odor into the refrigerator under the environment with and without nanoe™ X for a total of 7 days; Report No.: Functional evaluation report by the Panasonic laboratory in Taiwan.

• Cooler compartment storage amount detection

When the cooler compartment is closed after being opened, storage amount detection is performed: the LED lights inside the compartment light up and down sequentially (ceiling → bottom left → bottom right → bottom left blue light), by using the lighting storage amount detector, the illumination values inside the compartment shone at different angles are



obtained in order to determine the increase or decrease of food inside the compartment. (Approx. 10 seconds)

During the storage amount detection, the green light on the operational panel of ECONAVI lights up and down 3 times*⁵, indicating the lighting storage amount sensor is detecting. (*⁵: The ECONAVI green light only lights up and down when the freezer compartment and the cooler compartment are both set to "■■■■", after which it can move)

CONTENTS

Preparation and Verification

	PAGE
SAFETY PRECAUTIONS <small>Please be sure to follow</small>	4
PREPARATION	9
HOW TO INSTALL	9
WHEN USING.....	11

How to Use

HOW TO INSPECT AND OPERATE THE CONTROL PANEL	12
GENERAL USE	13
PARTS IDENTIFICATION	15
FOOD STORAGE TIPS	16
HOW TO USE THE REFRIGERATOR COMPARTMENT	16
HOW TO USE THE VEGETABLE COMPARTMENT	17
HOW TO USE THE FREEZER COMPARTMENT	18
HOW TO MAKE ICE CUBES	19
DEFROSTING	20

When Necessary

HOW TO TAKE CARE OF YOUR REFRIGERATOR	21
HOW TO REMOVE AND ATTACH INDIVIDUAL COMPONENTS	22
IN THESE CASES	24
IS THIS A FAILURE?	26
SPECIFICATIONS	27

SAFETY PRECAUTIONS

Please be sure to follow

Please read the following explanations on the symbols you should know to prevent injuries to yourself and others, and to avoid material damage.

- The following expressions are used to distinguish the degree of danger or damage caused when the product is used incorrectly by disregarding the instructions provided in this manual.



WARNING

This expression presumes possibility of death or serious injury.



CAUTION

This expression presumes possibility of personal injury or material damage.

- The following symbols and explanations are provided to explain the types of actions the user must comply with. (Shown below are the examples of pictograms used)



This pictogram indicates a "Prohibited" type of action.



This pictogram indicates a "Mandatory" directive to be performed.



WARNING

When installing....



- **Do not install the product where water splashes are possible.**
Deteriorating electrical insulation may lead to an electrical shock and fire.



- **Do not block the ventilation port of the refrigerator or spaces around it.**
Leaked refrigerant may cause a fire and result in an explosion.



- **Provide a grounding connection or install a ground-fault interrupter when the product is installed in a damp or watery location.**
Ground leakage due to product malfunction may cause an electrical shock.
 - Be sure to contact your distributor when installing a ground connection or ground-fault interrupter.

For power plugs and cords....



- **Do not connect many plugs to a single outlet by exceeding the rated current or to an outlet other than 220 V/230 V/240 V AC**
Too many plugs in a single outlet may generate abnormal heat and possible fire



- **Do not plug or unplug with wet hands. Electric shock is possible.**



- **Insert the power plug completely into the outlet.**
Incomplete insertion may cause electrical shock and/or fire from overheating.
 - Do not use damaged power cords or loose sockets.

WARNING

For power plugs and cords....



■ **Remove dust periodically from the power plug.**

Dust accumulation on the power plug may cause an insulation failure with humidity and possible fire.
• Unplug the power cord and wipe with dry cloth.



■ **Do not damage the power cord or power plug.**

Do not damage the cord, modify, place close to a heating device, bend, twist, pull, place a heavy item on, pinch with the refrigerator or bundle the cord.

Use of a damaged cord or plug may result in electrical shock, short-circuit or fire.

• Consult with your distributor if you need to repair the power cord or plug.



■ **Supply cord and plug.**

If the supplied cord or plug of the appliance is damaged, it must be replaced by the manufacturer of its service agent or similarly qualified person in order to avoid risks.

When using....



■ **Do not splash water or liquid detergents on the back of the refrigerator or into the mechanism compartment at the bottom of the back side of refrigerator. Splashed water could possibly permeate into electrical parts and cause an accidental fire or other dangers.**



■ **When you detect a burning smell, remove the power plug to stop operation.**

Be careful in order to avoid an electric shock or a fire.



■ **This appliance is not intended to be used by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are being supervised or have received instructions concerning the 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 leakage of flammable gas (propane gas, city gas) is detected, do not touch the refrigerator and open the window for ventilation.**

Power plug connection/disconnection operations may cause sparks, which lead to fire, explosion, or burns.



■ **Flammable gas is used for insulation in this refrigerator.**

When you throw away this unit, please discard it appropriately.



■ **Removal of the back cover is prohibited except by service personnel.**

May cause injury, burns, or electrical shock



■ **Always unplug the power cord when cleaning the refrigerator.**

May cause electrical shocks and/or injury.



■ **Do not place a water container over the refrigerator.**

Spilled water may damage insulation of electrical components and cause electricity leakage, fire or electrical shocks.



■ **Do not store flammable items in the refrigerator.**

Benzine, ether, LP gas, paint thinner, adhesives, etc. may catch fire.

• Tightly cap the alcoholic beverage bottles.

WARNING

When using....



- **Do not hang on the door or ride on the drawer compartment.**
Injury may occur if the refrigerator falls or body parts are pinched.



- **Do not damage the cooling circuit (pipes) in the refrigerator body.**



- **Do not pour water on the body or interior.**
Electrical insulation deteriorates and may cause shocks or fire.



- **Do not attempt to disassemble, repair or modify the refrigerator.**
A fire or unexpected movement may cause injuries.
 - Consult with your distributor when you need a disassembly/repair.



- **Do not place objects that are prone to fall on top of the refrigerator.**
The vibration caused by the operation of the refrigerator may cause the object to fall.



- **Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstructions.**



- **Do not use mechanical devices 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.**



- **This appliance is intended to be used in household and similar applications such as**
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses and by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - catering and similar non-retail applications.



- **Do not store chemicals or scientific specimens.**
Home-use refrigerator is not to be used to store items requiring strict control.



- **Do not use extension cords or ungrounded (two prong) adapters.**



- **Before moving the refrigerator, be sure to disconnect the power plug and then reconnect it securely once the refrigerator is in the designated location.**



- **If the refrigerator is damaged, be sure to contact the Panasonic manufacturer or Panasonic authorized service center to avoid any damages.**



- **A child entrapment warning statement includes the following or equivalent wording:**
 - Take off the doors.
 - Leave the shelves in place so that children may not easily climb inside.



- **The insulation blowing gas and refrigerant is flammable. When disposing of the appliance, do so only at an authorized waste disposal centre. Do not expose to flame.**

WARNING



- Do not attempt to dismantle, repair or tamper the refrigerator, otherwise an electrocution, fire or explosion accident may occur.
- Since a flammable refrigerant is used, be sure to open the window for ventilation if the Cooling Loop (piping) is faulted and then contact the Panasonic Service Station; otherwise an electrocution, fire or explosion accident may occur.
- The refrigerator should be placed in a well ventilated location.
- Do not attempt to use mechanical tool or other tools to speed up the defrosting process.
- Do not damage the refrigerant loop. (Remark: This warning is applicable only for the tools that can be used by the user to touch the Refrigerant Loop.)
- Except for the suggested tools, do not use other tools in the Food Refrigerating Compartment.
- Before moving the Refrigerator, be sure to remove the power plug and then connect the power after relocating to the designed location securely.
- If the Refrigerator is damaged, be sure to contact the Panasonic manufacturer or Panasonic authorized service center to avoid any damages.

CAUTION



- If you are discarding the refrigerator, remove the door completely to prevent small children from getting trapped inside.



- Do not insert your hand into the bottom of the refrigerator.
Inserting your hand during cleaning in the bottom may result in injury due to the sheet metal edge.



- Do not slide your hand along the rail and metal edges while cleaning the interior.
You may injure yourself.



- When opening the bottom drawer, do not place your feet too close to the refrigerator.
The drawer compartment may hit the top of your feet.



- Install the glass shelves securely.
If dropped, the glass shelf may break or cause injuries.



- Do not use the wheels on the bottom when the appliance is placed on a floor that marks easily.
The wheels may damage the floor.



- Do not transport refrigerators in a horizontal position.
Laying a refrigerator horizontally may damage the pipes.



- Do not allow any items to protrude from the shelf area.
Bottles may drop and cause injuries.



- When opening a door if someone is touching the refrigerator, make sure their fingers do not get pinched in the door. The moving door may hit fingers and cause injuries.



- Do not eat any food that smells bad or has changed colour.
Rotten food may cause illness.



- The compressor and the copper pipeline get very hot. Do not touch them, or you may get burned.



- Please, when carrying the appliance, keep it vertical, never tilt or lay the refrigerator.

PREPARATION

Suitable location for the refrigerator

► **Install at a location not affected by heat higher than 38°C or in direct sunlight.**

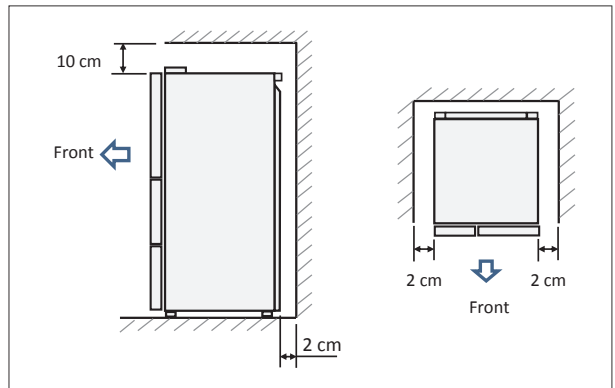
To minimize cooling power deterioration and avoid wasting electricity.

► **Install in a dry location, keep ventilation openings in the appliance enclosure and in the built-in structure, clear of obstructions.**

To prevent rust and avoid wasting electricity.

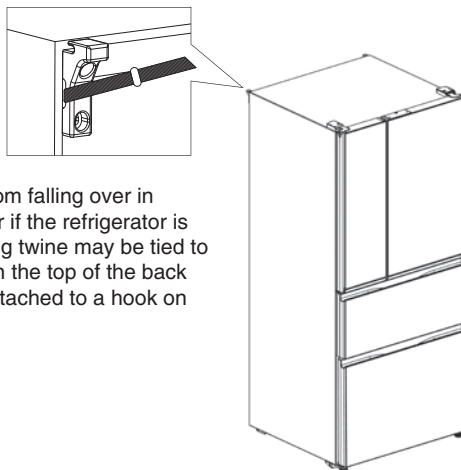
► **Secure heat dissipation areas**

Do not place items on top of the refrigerator. Leave a 2cm area on either side, 10cm above and 2cm behind the refrigerator. The refrigerator dissipates heat around it for cooling the food inside.



HOW TO INSTALL

Correct installation and use will ensure better performance.



To prevent the refrigerator from falling over in the event of an earthquake or if the refrigerator is shaken, a nylon cord or strong twine may be tied to the refrigerator on the lugs on the top of the back side of the refrigerator and attached to a hook on the wall.

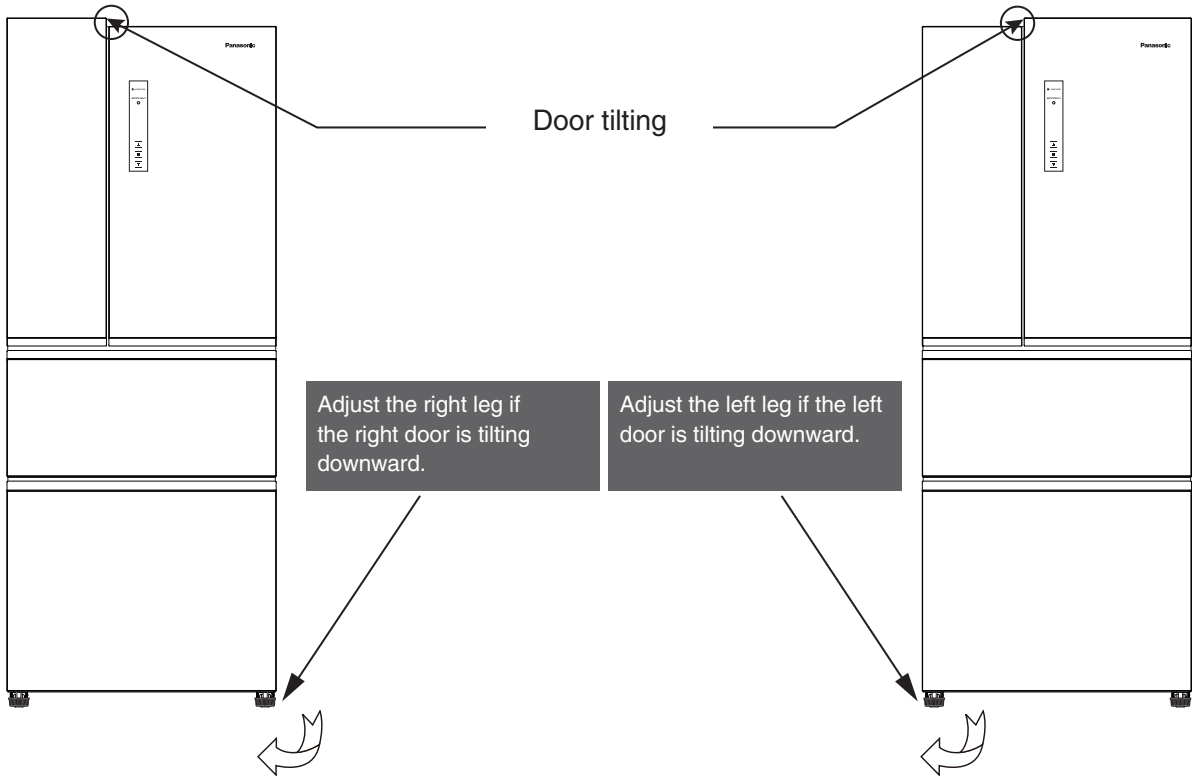
► **Sturdy and flat floor**

Turn the adjustable leg to firmly fit on the floor to prevent vibration or noise. When the floor is covered with carpet, tatami or vinyl, place a solid board under the refrigerator to avoid discoloration due to heat.

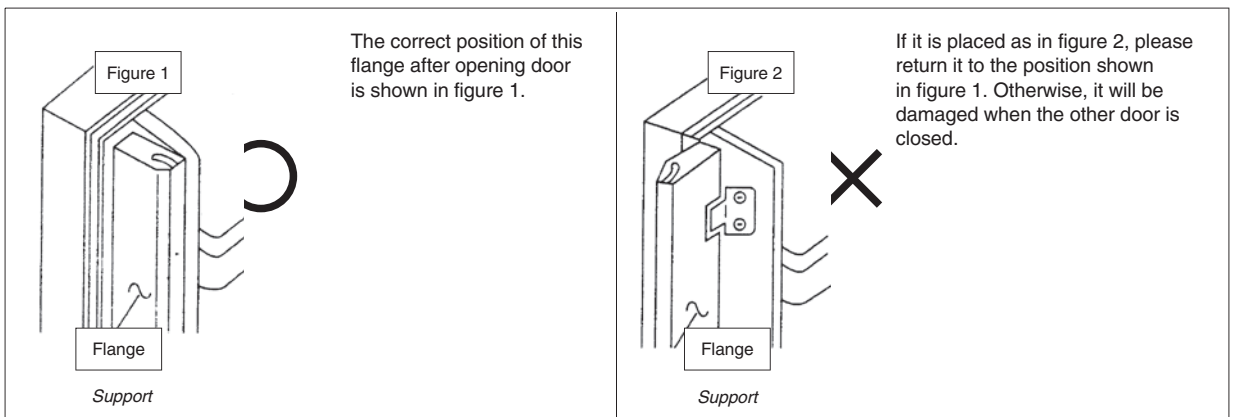
HOW TO INSTALL

■ Aligning the doors

- Even after the doors are aligned, they may tilt downward due to the compartment load or condition of the floor. Please refer to the picture and follow instructions until the doors are aligned.



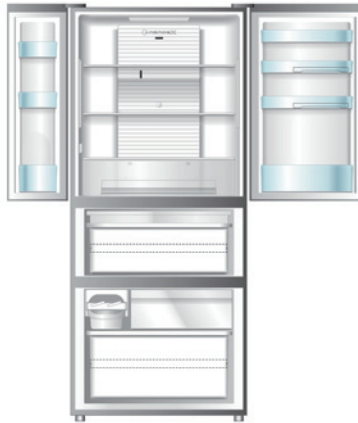
■ Flange attached to the left door



WHEN USING.....

Clean the interior with soft damp cloth.

- The interior plastic parts may smell in the beginning but the odour gradually goes away when the interior gets cold.



The interior does not get cold immediately after turning the power on.

- The exterior surface of the refrigerator gets hot at first or when the ambient temperature is high as in summer, but it is not abnormal.

- It requires approximately 12 hours in a normal condition until the interior gets cold.
- It may take more than one day to reach the set temperature in hot weather.
- Refrain from opening the doors until it gets fully cold.

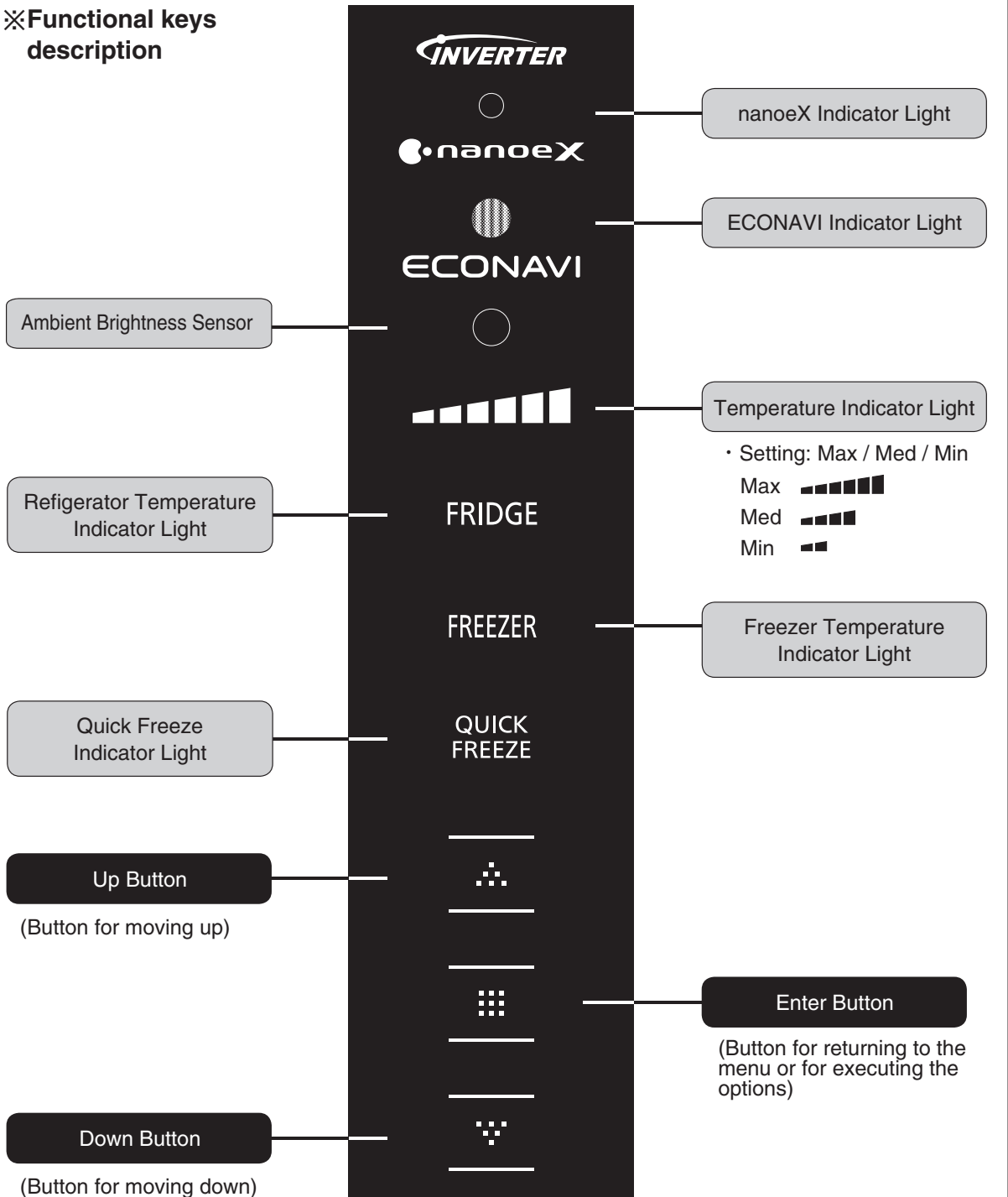


CAUTION

After turning the refrigerator off, wait at least ten minutes before turning it back on.

HOW TO INSPECT AND OPERATE THE CONTROL PANEL

※Functional keys description



Note: When the refrigerator door is opened or not closed completely, the function keys will not respond until the door has been closed for about 1 second.




GENERAL USE

How to adjust the temperature setting of the refrigerator compartment or the freezer compartment




The refrigerator usually sets at the MED temperature. When you want to adjust the temperature, the instructions are as follows:

STEPS

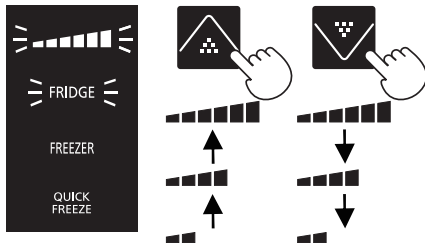
Select the Fridge or the Freezer /

- ① Touch the  button, the **FRIDGE** will start flashing.
- ② Touch the  button until the **FRIDGE** indicator light or the **FREEZER** indicator light starts flashing.
- ③ Touch the  button to select the **FRIDGE** or the **FREEZER**.

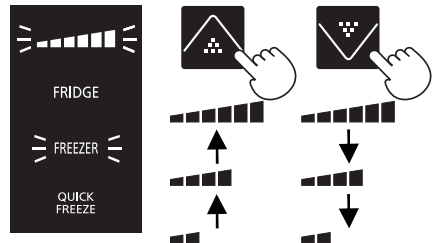
Change the setting of an option

- ④ Touch the  button or the  button. Select the setting that needs to be changed and the indicator light will start flashing. (Every time you push either button, a different indicator light will flash.)
- ⑤ Touch the  button to change the current setting. The beep sound indicates that the setting is activated. (The indicator light will turn off after a short period of time.)

THE REFRIGERATOR



THE FREEZER



- The flashing indicator light indicates the current setting.

Note: When no operation is made for 5 seconds, the display will automatically return to the initial content. When the indicator light goes off, please repeat steps 1 to 5 to change the settings.

GENERAL USE








The Fine-tuning mode of the fridge and freezer


The Fine-Tuning mode allows you to accurately control the temperature of the refrigerator. The instructions are as follows:



- The fridge temperature setting originally has 3 levels of temperature settings: MAX/MED/MIN. The Fine-Tuning mode enables 9 levels of temperature settings.

Freezer Temperature Setting

How to set

- ① Touch the  button and the **FRIDGE** indicator light will start flashing.
- ② Touch the  so that the **FREEZER** indicator light will start flashing.
- ③ Touch the  button and then push the  button so that the "■ ■" indicator light will start flashing.
- ④ Touch the  button for at least 10 seconds and then you will hear one beep sound.
- ⑤ Touch the  button or the  button to make adjustments.

(Touch the  button after the indicator light you want to set is flashing. The beep sound indicates the finalization of the setting. The indicator lights will go off after a short period of time.)

Touch the  button and the temperature setting will go up one level; touch the  button and the temperature setting will go down one level.

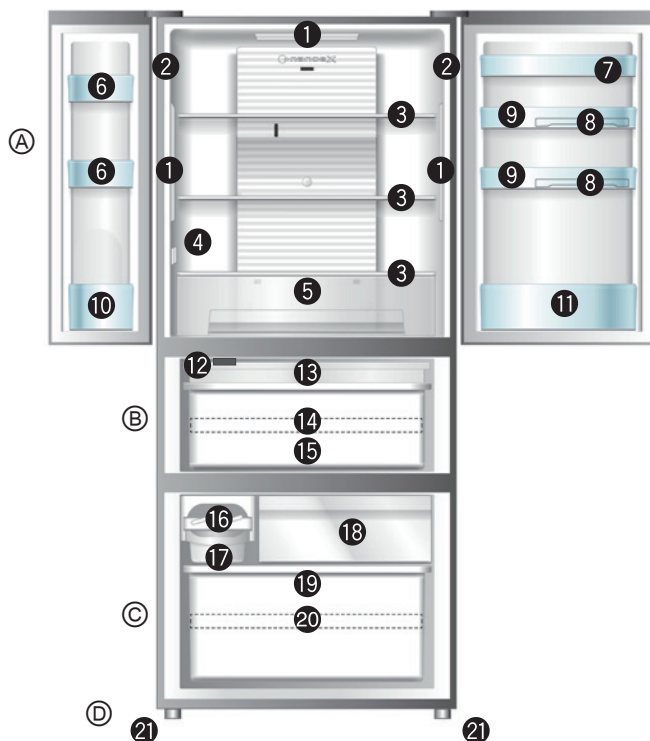
How to cancel Please repeat steps ① to ④ to cancel the setting.

Refrigerator Temperature Setting

Change the **FREEZER** indicator light to the **FRIDGE** indicator light by following steps ① to ②. Then repeat steps ③ to ⑤ to complete the setting.

Note: After connecting the power plug or following a power failure, 9 levels of temperature settings will return to 3 levels of temperature settings.

PARTS IDENTIFICATION



Ⓐ REFRIGERATOR COMPARTMENT

- ❶ LED light
- ❷ Door switch
- ❸ Tempered glass shelf
- ❹ Light sensor
- ❺ Chilled compartment
- ❻ Free rack left
- ❼ Free rack right
- ❽ Egg tray
- ❾ Egg rack
- ❿ Bottle rack left
- ⓫ Bottle rack right

Ⓑ VEGETABLE COMPARTMENT

- ❿ nanoe™ X
- ⓫ Top case VC
- ⓬ Divider VC (For D655 Series)
- ⓭ Bottom case VC

Ⓒ FREEZER COMPARTMENT

- ⓮ Ice tray
- ⓯ Ice box
- ⓰ Top case FC
- ⓱ Bottom case FC
- ⓲ Divider FC

Ⓓ OTHER

- ⓴ Adjustable leg

■ Regarding replacement of the LED light

- If the LED light does not work, please contact the service center for assistance.
Do not remove and replace LED light by yourself.

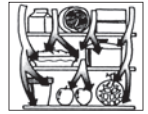
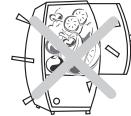
FOOD STORAGE TIPS

Smart ideas for storage.

- Leave space between foods to help air circulation. Blocking the air flow will cause warm temperature in the refrigerator compartment.
- Cool hot dishes to room temperature before placing them in your refrigerator.
- Cover juicy foods with tight lids, plastic film or foil.
- Do not keep the door open any longer than necessary, particularly in hot, humid weather.
- Do not put carbonated liquids (fizzy drink, etc.) in the freezer compartment as they may burst.
- Do not give children popsicles directly from the freezer compartment. They may burn their lips by "freezer burn" due to the low temperature.



CAUTION



HOW TO USE THE REFRIGERATOR COMPARTMENT

- For temporary storage of items to be used immediately.
- For storing drinks.

[Food examples]

- Beer cans
- Juice / milk / pudding
- Tofu / raw eggs
- Jelly
- Vegetables in sealed tray



Egg tray

- For 10 eggs. (2 PCS)



Chilled compartment

- A handy compartment for storing food that must be kept at a lower temperature without freezing, to eat food fresh soon after purchasing it.

Note:

- High-moisture food may freeze when stored in the chilled compartment. The low temperature of the bin is not suited for storing pudding, tofu or tropical fruits such as bananas, avocados, etc.



CAUTION

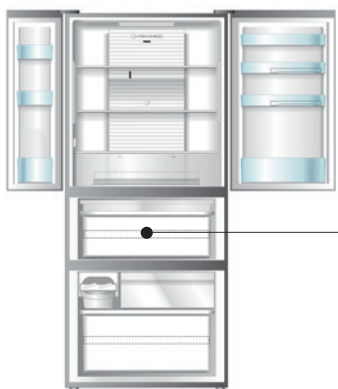
Vegetables or fruits placed on the glass shelf, especially those near the vent port, are prone to freeze. Avoid doing this if possible.

HOW TO USE THE VEGETABLE COMPARTMENT

VEGETABLE COMPARTMENT

- For storing vegetables and fruits.

The high compartment temperature can store vegetables and fruits without plastic wrapping. Some types and conditions of food still require wrapping for storage. The compartment temperature is approx. 2.5~7.5 °C, according to the temperature setting and ambient temperature.



Bottom Case VC

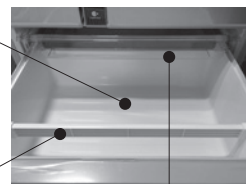
- For storing leaf vegetables such as spinach, lettuce or large-sized vegetables.

Divider VC (For D655 Series)

- Preventing children from entering to cause danger.

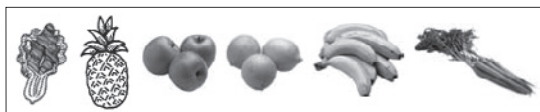
Top Case VC

- For easy-to-be-damaged tomatoes and fruits, low-temperature sensitive eggplants and cucumbers.



Note:

- Storing a large amount of produce in the vegetable compartment or opening the door frequently may result in condensation or frost inside the vegetable compartment.
- High humidity in the vegetable compartment sometimes generates water drops depending on the type and quantity of stored food items. Just wipe off the water drops.
- Storing fruits and vegetables in sealed containers and plastic bags may distort nanoe™ results, please use with care.



These vegetables should be wrapped

- Green onions and chives to prevent odor transfer.
- The compartment tends to be dry when small quantity of vegetables and fruits are stored.
- Exposed cut sections of vegetables and fruits spoil without wrapping.

Foods not suited for excessive cooling

- Uncut bananas, melons, papayas, pineapples and avocados do not ripen well in cool temperatures, they deteriorate instead. They should be cooled just before eating.

Foods not requiring cool storage

- Uncut pumpkins, burdocks, onions, potatoes, sweet potatoes, chives, ginger root, etc.

HOW TO USE THE FREEZER COMPARTMENT

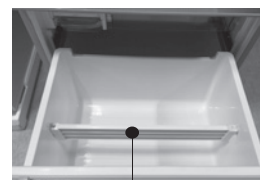
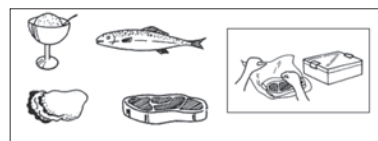


FREEZER COMPARTMENT

- For storing frozen foods.
- For storing frozen desserts.
- For storing dried foods. Frozen storage is suited for tea leaves, coffee and seaweed.

[Food examples]

- Frozen foods
- Popsicles – Ice cream
- Sherbet
- Tea leaves
- Seaweed, etc.



Divider FC




- To prevent children from climbing in, which would be dangerous.

Be sure the stored items do not protrude from the top edge of the bottom bin.

This would prevent the bin from closing completely and result in frost or incomplete freezing.
(Use caution for these items)

- Long items
- Large items in bags.
- Excessive quantity of items in plastic bags.
- Large items in boxes.

How to make frozen foods (QUICK FREEZE)

- ① Touch the  button and then touch the  button so that the **QUICK FREEZE** indicator light will start flashing.
 - ② Touch the  button to finalize the setting, then the **QUICK FREEZE** indicator light will turn on.
- The freezing ends in the longest 150 minutes.

Note:

- When the white light is blinking after touching the **QUICK FREEZE** button, the refrigerator is in a defrosting process. Automatic rapid freezing will start after defrosting.

Tips for good freezing

Thin and small

Cut food in small, thin pieces and store in small packages for convenience.



Seal food properly

To prevent food from drying out during storage and transfer of odours.



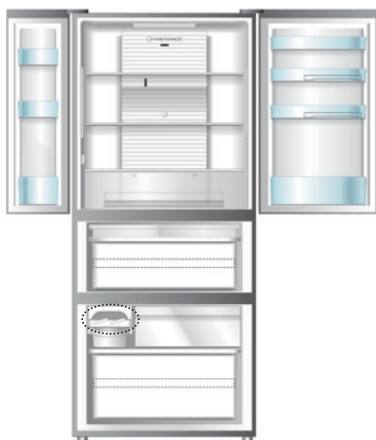
Allow food to cool down first

Storing cooked foods while still warm will adversely affect other items.

Do not refreeze

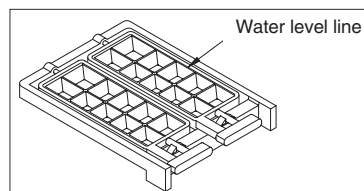
Use up the entire quantity once thawed. Refreezing substantially deteriorates taste and nutrition and is unsafe.

HOW TO MAKE ICE CUBES

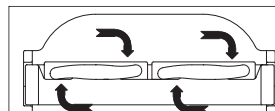


Pour water into the ice tray to the water level line and put it in the ice tray rail.

Twist the ice tray and let the ice drop as illustrated.



Ice making capacity: 10 kg



NOTE

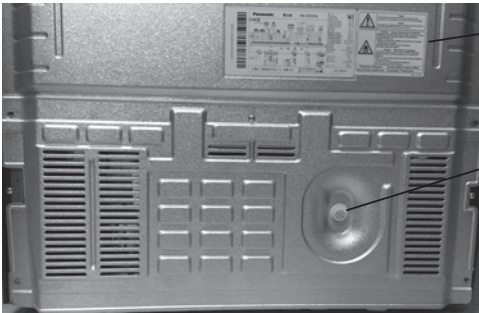
If you put wet ice cubes in the ice server, they may stick to one another.

DEFROSTING

You never have to defrost the compartment since your refrigerator is designed to defrost itself completely and automatically. Defrost water flows to the collector pan where it evaporates into the air.

When the refrigerator is handled in a slanted position, make sure the defrosted water is drained out, so that no water spills out when moved.

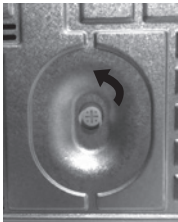
※How to drain the defrosted water.



Back of refrigerator.

Draining device

1



1. Turn the drainage cap counterclockwise to remove it.

2



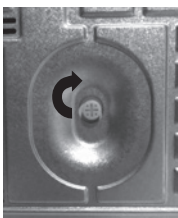
2. Use a sharp tool with forward rotation to open up the draining hole. (Only required for the first-time, the defrosted water will drain out immediately after opening up.)

3



3. Let the water drain from the part marked with arrows. Collect the water with a container so it does not wet the floor.

4



4. After draining, remember to re-install the cover. (Turn clockwise)

HOW TO TAKE CARE OF YOUR REFRIGERATOR

Since the function of the refrigerator is to store food, regular cleaning is advised.



Do not use the following items.

Acid or alkaline kitchen cleaning products.

- These products may damage plastic parts.

Tooth paste, powdered soap, petroleum, boiling water, abrasives, acids, benzine, paint thinner, alcohol etc.

- Deteriorates the surface, coating or plastic parts.

Follow instructions when using a chemical wipe.



WARNING

- **Be sure to unplug the power cord before starting.**
- **Do not handle the power plug with wet hands.**
May cause injuries or electrical shocks.
- **Do not splash water on the exterior or interior surface.**
May cause a fire or electrical shocks.
- **Periodically remove the dust on the power plug.**
Dust accumulation on the power plug leads to insulation failure by moisture and may cause a fire.
 - Unplug the power cord and wipe with dry cloth



CAUTION

- **Do not insert your hand underneath the refrigerator.**
- **Do not rub rails or metal edges roughly.**
This could cause injuries.

How to take care of your refrigerator

Inspection after caring

Wipe with cloth soaked in lukewarm water.

When a surface spot does not come off, use a neutral kitchen cleaning product and then wipe off with the cloth soaked in warm water and well-wrung out.

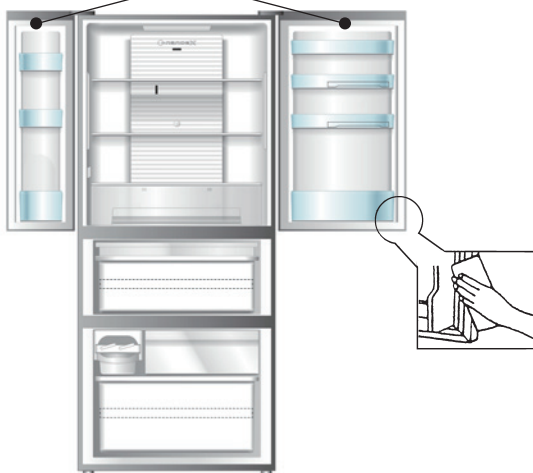
Door surface

- Wipe off with soft dry cloth.
- ※ If you touch any buttons which change the setting while wiping operation panel, please reset setting.
- ※ Door is made of glass, please avoid cleaning it with rough face of cleaning cloth and contact with sharp objects to prevent surface damage. (such as metal, magnet, etc.)

Use a dry or well-wrung out cloth to clean, preventing water or impurities from residing in the refrigerator, so as to prolong the service lifespan of steel sheets of the refrigerator.

1. Are there any damages on the power cord?
 2. Is the power plug hot?
 3. Is the power plug securely inserted into the outlet ?
- In case of any doubt, please contact your dealer immediately.
Panasonic Service Centre.

Door gasket



Clean immediately when soiled

To protect the door gasket

The door gasket (especially the bottom portion) can be damaged by spilled milk, juice, etc.

To protect the gasket, it should be kept clean at all times.

Any spilled liquid will collect in the gap under the bottle rack.

Then, if it overflows, it will collect in the gap located at the lower front section of the inner wall.

Be sure to wipe off such spillage before it overflows from these gaps.

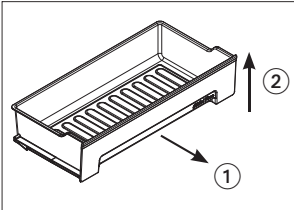
- A dirty gasket leads to damages and cold air leakage.

HOW TO REMOVE AND ATTACH INDIVIDUAL COMPONENTS

Washable

Internal parts

Chilled compartment



- ① Pull out the drawer.
- ② Slightly lift up the drawer, then pull it out.

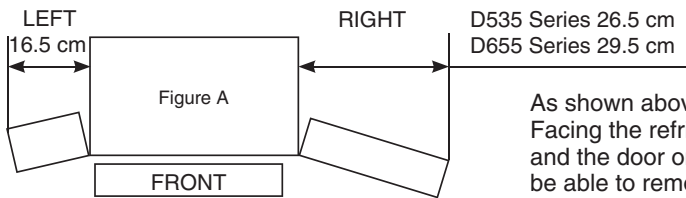
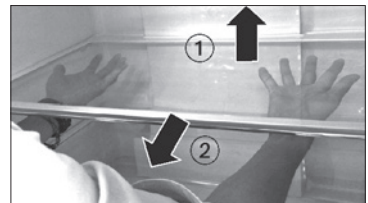
Tempered glass shelf

- ① Open the refrigerator leaving doors in the position shown in figure A.
- ② Pull the tempered glass shelf toward you.

Rack



- Hold the rack with hands and lift it up vertically, this will remove the rack.

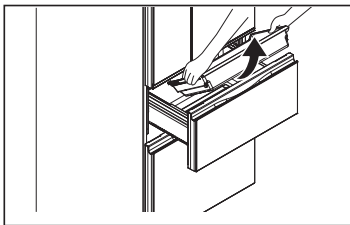


As shown above
Facing the refrigerator, open the door on the left about 16.5 cm and the door on the right about 26.5 cm (29.5 cm) and you will be able to remove the glass shelf.

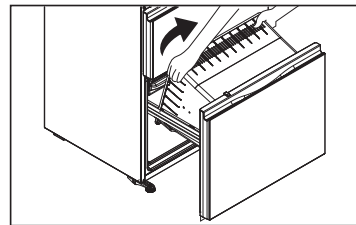
Washable

BINS IN VEGETABLE & FREEZER COMPARTMENTS

Remove



- Pull the Vegetable Compartment door until it stops, then remove the top bin as shown above.



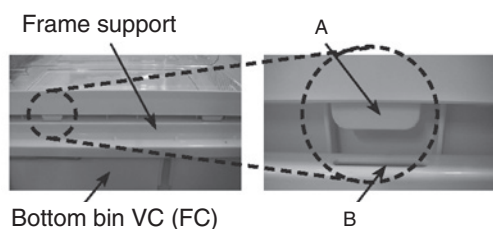
- Pull the Freezer Compartment door until it stops, then remove the bottom bin as shown above.



WARNING

Do not remove the divider as it prevents children from climbing in, which would be dangerous.

Fitting



- Insert the bottom bin into frame support as shown.
- Insert the bottom bin into frame support guiding it between A and B as shown.



CAUTION

Insert the bottom bin into frame support, otherwise the doors will not close.

Note:

- If cooking oil gets on the plastic parts, be sure to wipe it off. (Plastic parts may crack)
- Law-compliant lubricating oil is applied to the sliding surfaces to ensure refrigerator, vegetable compartment and freezer bins slide smoothly. Do not wipe off the lubricant during maintenance.

IN THESE CASES

"Open Door" warning

When the door of refrigerator compartment has been open for 1 minute, all the LEDs will start flashing. The LED lights will turn off once the refrigerator compartment door is closed.

Refrigerator door open buzzer	Door open buzzer	Buzzer sound
	1 minute	Pi-Pi
	3 minutes	Pi-Pi Pi-Pi
	5 minutes or longer	Pi Pi ...cont.

• The buzzer stops when the door is closed.

(The buzzer does not sound when the door is open for a short period).

NOTE

- ◎ If the LED lights flash when the refrigerator door is closed, please contact Panasonic service center or dealer for repair.

ECONAVI Mode goes off

◎ This may be caused by one of the following reasons:

- The ECONAVI mode won't be activated when the refrigerator or the freezer is on fine-tuning mode.
- The ECONAVI mode will turn off when the refrigerator is defrosting. The mode will turn on again after defrosting is finished.
- The temperature setting of the refrigerator and the freezer is not on "MED."
- The refrigerator door is opened and closed too frequently or hot food is put into the refrigerator.
- The ECONAVI mode will turn off when the refrigerator is frequently being used according to the recorded data. After a power outage, ECONAVI mode will resume when data is restored.
- When a large amount of food is stored in the cooler compartment or when the storage amount sensor is shielded by the food, the storage amount sensor (P.2) detects the increase of the storage amount, and the ECONAVI light goes off.

ECONAVI Indicator Light stays on

◎ One of the following may have occurred::

- Storing food inside the refrigerator to its fullest capacity can cause the storage amount sensor (P.2) to be shielded, making it difficult to detect the amount of food stored, and the light stays on (especially when a large amount of food is stored on the upper glass shelf)
- Dust and scratches on the operational panel (light intensity sensor portion) can cause difficulty in the detection.
- Even when the door is opened during the ECONAVI operations, and the temperature inside the refrigerator or the difference in the change of the storage amount of the cooler compartment has changed, ECONAVI can maintain cooling.
- Storage amount sensor only works for the cooler compartment; when the food is stored in a non-cooler compartment inside the refrigerator, it will not perform the detection.

The Quick Freeze indicator light is flashing




- ◎ When the Quick Freeze indicator light is flashing, it indicates the refrigerator is defrosting. Automatic rapid freezing will start after defrosting.

The refrigerator makes noise

- ◎ A clicking noise can be heard due to relay action as the compressor activates or stops and a horn can be heard due to resistance of the compressor.
- ◎ A buzzing sound can be heard due to the operation of the fan motor when the refrigerator is equipped with fans and a swishing sound can be heard due to air flow.
- ◎ A trickling sound can sometimes be heard as refrigerant flows through the cooling system.
- ◎ When the doors are opened and closed, water vapour produced by defrosting in the drain pipe will be compressed by the air and make a trickling or bubbling sound.
- ◎ When the refrigerator is defrosting, the water vapour fallen on the lid of the electric tube will evaporate and make a sizzling sound.
- ◎ Due to the differences between materials and coefficient of expansion of the parts in the refrigerator, the refrigerator will make a popping sound occasionally.
- ◎ The drawers will make clunking sound when opened and closed due to three-slide structure.
- ◎ The normal operation of the refrigerator will make some sounds and the above list contains sounds that are normal. Please feel free to use it.

It is hard to open the refrigerator door	<p>⦿ After the refrigerator is just closed, the warm air entering the refrigerator meets the cold air and the air pressure becomes lower than the air pressure outside. If you want to open the refrigerator door now, you will find it harder, this is normal.</p>
Condensation forms on the outer case of the refrigerator	<p>⦿ When it has been raining or the environment is very humid, despite the anti-condensation device, condensation or vapour will form more or less. This is not a malfunction and won't occur once the rain has stopped. (Keep the air flowing to help reduce the amount of condensation.)</p>
Condensation forms in the refrigerator	<p>⦿ Opening and closing the doors too often or placing food containing a lot of moisture in the refrigerator may lead to condensation. As a result, please put the food containing a lot of moisture in a plastic bag or a container with a lid and try to open the doors less often.</p>
Operation rate is too high	<p>⦿ One of the following circumstances may be the cause: High temperature in the room, large amount of stored foods or extremely hot food in the refrigerator. As a result, please don't store too much food or extremely hot food in the refrigerator and keep the air flowing.</p>
Option buttons do not respond	<p>⦿ It is normal that option buttons won't respond when the refrigerator door is opened or not closed completely. ⦿ When option buttons won't respond with all the doors closed completely, it is probably due to poor contact or disconnection. Please contact Panasonic Service Centre or dealer for repair.</p>
When a power failure occurs	<p>⦿ Please keep the doors closed as much as possible when a power failure occurs. ⦿ When you know there will be a power failure in advance, please make as many ice cubes as possible to store in the freezer compartment</p>
The refrigerator will not be used for a long period of time	<p>⦿ Unplug the refrigerator and remove all the food from the refrigerator. Wipe off all the water and open the refrigerator to keep it dry. Do not allow children to enter the refrigerator.</p>

**The following signals are for service mode only and do not indicate a breakdown.
Please see methods below to disable.**

The control panel lights up brightly	<div>  <p>The control panel lights up brightly in sequence.</p> <p>Disable</p> <p>① Touch  button for 1 sec then release it, the service mode is finished.</p> <p>② After 7 minutes, the service mode is finished.</p>  </div>
--------------------------------------	--

IS THIS A FAILURE?

Does not get cold	Does not get cold at all	<ul style="list-style-type: none"> • Is the power cord unplugged? • Is there a power failure? • Has the circuit breaker been tripped?
	Does not get cold enough	<ul style="list-style-type: none"> • Is the temperature control set to "MIN"? • Is a food item blocking the cold air outlet? • Is the refrigerator in direct sunlight? • Is there a heating device nearby? • Is there sufficient space around the refrigerator? • Is there a hot item in the refrigerator, have the doors been opened frequently, or is there too much food in the refrigerator?
Freezing	Refrigerator compartment	<ul style="list-style-type: none"> • Is the temperature setting of the refrigerator or freezer at "MAX"? • Is the ambient temperature 5 °C or below?
Odour	Interior odour bothers me	<ul style="list-style-type: none"> • Is odour-generating food stored without wrapping? • Odours often attach to the interior plastic walls. Wipe off with a cloth soaked in lukewarm water.
Door opening	Other door opens when a door is closed	The air pressure caused by closing a door sometimes opens other doors momentarily.
	Immediately after closing a door <ul style="list-style-type: none"> • Hissing sound • Door is hard to open 	The air entering into the compartment is rapidly cooled and the interior pressure gets lower than the exterior.
Noise <i>Bruit</i>	Noise bothers me	<ul style="list-style-type: none"> • Does the floor firmly support the refrigerator? • Is anything loose? • Could an item, such as a tray, have been dropped in the gap and be causing vibration noises?
	Making strange noise	<ul style="list-style-type: none"> • Bubbling sound→Refrigerant flowing through the cooling devices. • Hissing sound→Defrosting heater makes this noise even after it has stopped. • Zooming sound→Fan operation noise. • Clicking sound→Operation of electrical component or refrigerant (gas) adjustment valve. • Snapping sound→Expansion/ contraction of refrigerant (gas) adjustment valve.
	Operation sound goes up and down	This refrigerator adjusts the rotation speed of the compressor by using an inverter control. The operation noise is higher with a high-speed operation when the ambient temperature is high, frequent door openings, after defrosting, or immediately after installation.
Frost and condensation	Frost and ice accumulate on the freezer case	This condition occurs when humidity is high, door was kept open for a long time, or opened frequently.
	Condensation accumulates in the refrigerator compartment	

IS THIS A FAILURE

Frost and condensation	Condensation accumulates in the vegetable compartment	Humidity in this compartment is kept high to prevent the vegetables from drying out and to preserve freshness.
Feels hot	Refrigerator body exterior is warm	Heat dissipation pipes are running under the surface for sweating. Refrigerator may feel hot at the beginning of the operation or in the summer, but this is quite normal.

✱ If you have further questions, please contact your distributor.

SPECIFICATIONS

MODEL		NR-D535XGSAU NR-D535XGWAU	NR-D655XGSAU NR-D655XGWAU
Freezer Star Rating		✱ ✱ ✱ ✱	
Class		T	
AS/NZS 4474.1 Gross capacity (L)	Total	533	653
	Refrigerator	273	353
	Vegetable	125	128
	Freezer	135	172
AS/NZS 4474.1 Storage capacity (L)	Total	379	504
	Refrigerator	241	316
	Vegetable	55	80
	Freezer	83	108
Outer Dimensions Width × Depth × Height		^W 720 x ^D 695 x ^H 1830 (mm)	^W 771 x ^D 780 x ^H 1830 (mm)
Net Weight		94 kg	105 kg
Rated Voltage (V) Rated Frequency (Hz)		220 V 230 V 240 V 50 Hz 50 Hz 50 Hz	

NOTES

NOTES

NOTES

NOTES

Panasonic Corporation
<http://www.panasonic.com/>

© Panasonic Taiwan Co., Ltd. 2018 All Right Reserved



Printed in Taiwan