

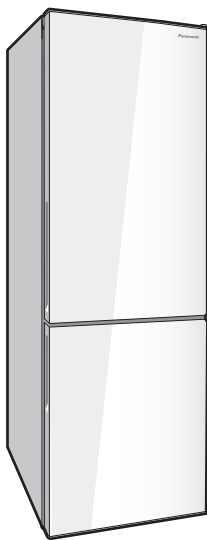
Panasonic®

English

Operating Instructions

Refrigerator-Freezer (Household use)

Model No. **NR-BN30PGW**
NR-BN30PGB
NR-BN30PS1
NR-BN30QGW
NR-BN30QGB
NR-BN30QW1
NR-BN30QS1



NR-BN30PGW
NR-BN30PGB
NR-BN30QGW
NR-BN30QGB



NR-BN30PS1
NR-BN30QW1
NR-BN30QS1

Thank you for purchasing this Panasonic product.

Please read these instructions carefully before using this product. Please keep this manual for future reference.

Included installation Instructions.



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Safety instructions

What the symbols mean:

 Do not	 Indicates the appliance must be earthed to prevent electric shock
 Make sure you do this	 Do not take apart



Indicates risk of death or serious injury.



This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

- Flammable substances such as benzene, thinners, alcohol, ether and Liquid Petroleum Gas (LPG) can cause explosions.

Do not use a multiple socket adaptor and plug several appliances into the same socket adaptor.

- This can cause overheating, fire or short circuit.

Do not pinch, knot, or bend the mains lead, or place heavy objects on it.

- This increases the risk of fire or electric shock.

Do not unplug the refrigerator by pulling on the mains lead.

- This can damage to the mains lead. Always grip the mains plug and pull firmly from the socket.

Do not place any water container on the top of the refrigerator.

- Water can damage insulation of electrical components and cause short circuit, fire or electric shock.

Do not spray inflammable gas near the refrigerator.

- This can cause explosion or fire.

Do not spray water onto or into the refrigerator.

- This can cause fire or electric shock.

Do not touch the mains plug with wet hands.

- This can cause electric shock.



Do not install the refrigerator in a damp place, or where it may come into contact with water.

- Deteriorated insulation of electrical parts can cause short circuit, electric shock or fire.

Do not store pharmaceuticals or other temperature-sensitive products in the refrigerator.

- You should not store products that require strict temperature controls in the refrigerator.

Do not let children climb, swing or hang on the refrigerator door.

- This can cause serious injury, as well as damaging the refrigerator.

Do not operate the refrigerator in the presence of explosive fumes or flammable gas.

- This can cause explosion or fire.

Do not store petrol or other flammable liquids and vapours in the refrigerator, or use them near the appliance.

- This can cause explosion or fire.

Do not hit the glass door.

- This can cause damage to the glass door or injury. If the glass door becomes broken or cracked, please contact Panasonic.

Do not allow children to tamper with the controls or play with the fridge/freezer.

Do not switch on until four hours after moving the fridge/freezer.

- The coolant fluid needs time to settle. If the appliance is switched off at any time, wait 30 minutes before switching back on to allow the coolant fluid to settle.

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

- This can cause damage to the interior of the refrigerator or cause an explosion.

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

- This can cause explosion or fire.

-WARNING: Do not damage the refrigerant circuit.

- This can cause explosion or fire.

-WARNING: Do not open the cover of LED lighting of fridge interior.

- This can cause electric shock. If the LED lighting does not work correctly, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.



Do not try to disassemble, repair or modify the refrigerator yourself.

- You may injure yourself – or others – with burns or electric shock, or damage the refrigerator. If your appliance needs alterations or repair, please consult authorized service centre.



Ensure that the refrigerator is plugged into an earthed mains socket. DO NOT plug into an unearthed mains socket.

- A short circuit could cause an electrical shock.



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.

- A damaged mains plug or lead can cause short-circuit, fire or electric shock.
- If the mains lead is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not attempt to replace it yourself.

Safety instructions (continued)



Remove any dirt or dust from the mains plug's pins before connecting to the power supply.

- Dust build-up on the mains plug can cause insulation failure, especially in humid conditions. This can cause short circuit, fire or electric shock. Unplug the mains lead and wipe it with a dry cloth. Never use a wet or damp cloth.

Plug your appliance into the socket, making sure the connection is secure.

- A loosely connected mains plug can cause fire or electric shock.

Install the refrigerator in a well-ventilated area.

- The more refrigerant there is in an appliance, the larger the room it should be installed in. If there's a refrigerant fluid leak, and the appliance is in a small room, the build up of combustible gases is more likely. This can cause fire or explosion. As a guide, for every 8 g of coolant, you'll need at least 1 cubic metre of space in the room. The data plate inside the appliance tells you how much refrigerant your refrigerator contains.

The refrigerant (R600a) used in the refrigerator and the gases in the insulation material (cyclopentane) are both flammable. They also require special disposal procedures.

- Before you dispose of the appliance, make sure none of the pipes on the back are damaged. Refrigerant or gas leaks can cause fire or explosion.

Unplug the refrigerator before cleaning and servicing.

- Failure to do this can cause electric shock.

If you smell burning or see smoke coming from the refrigerator, disconnect the power immediately and please consult authorized service centre.

- Failure to do this can cause fire or electric shock.

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

- Failure to do this could result in fire or explosion because refrigerant cannot disperse if it leaks.



Indicates risk of injury or damage to property.



Do not put glass bottles or containers in the freezer.

- When the contents freeze, the glass may break and cause injury.

Do not touch the inside walls of the freezer or items stored in the freezer with wet hands.

- Your skin can become frozen onto the interior wall, or items stored in the freezer.



If there's a power cut, avoid opening the refrigerator frequently or putting unchilled food in it.

- This can cause the temperature in the refrigerator to rise and adversely affect sanitation.

Also, be careful of the gap between the fridge and freezer doors, especially if they are both open at the same time.

- This may cause personal injury.

When opening the refrigerator, be careful not to pinch your fingers at the "pinch point" areas. In particular, when opening the fridge door, be careful to avoid the potential pinch point between the fridge and freezer doors.

- This can cause personal injury.



Potential pinch point



Disposing of the packaging

Please recycle where possible (e.g. cardboard, plastic bags, adhesive tape and polystyrene) and make sure you dispose of all other packing materials safely.

Keep the packaging out of the reach of babies and young children, to avoid injury or suffocation.



Disposal of Old Equipment Only for European Union and countries with recycling systems

This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment. For more information about collection and recycling, please contact your local municipality. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.



Before disposing of your old appliance

Please follow either the disposal instructions from the manufacturer of the old appliance, or local disposal regulations for the appliance. Where this is not available, please follow the three step instructions below.

1. Remove the mains plug from the socket.
2. Cut the mains lead off, and safely dispose of it with the mains plug still attached.
3. Until the old appliance is collected, or you take it to a Recycling Centre, make sure it's out the reach of small children.
 - Remove all sealing materials from the door and leave all the shelves and drawers in place. This way, children are less likely to climb in and become trapped.

Installation

This section explains how to install your appliance for the most energy-efficient, safe and quiet operation.

Dimensions

W599 x D638 x H1856 (mm)

Unpacking your appliance

Remove all packaging and tape.

Choosing the right location

Ventilation

As the appliance gives off heat during operation, it should be installed in a well-ventilated, dry room with plenty of space above and behind it, as shown in Figure 1.

If you can hear it vibrating, it needs more space.

(However, if there is a wall on the side of the refrigerator, a space of 32.5 mm or more is required on the hinge side for the doors to open 90° or more.)

Temperature

The room temperature affects the refrigerator's energy-efficiency, i.e. how much electricity it uses to chill and freeze foods.

For the best results, install your refrigerator:

- away from direct sunlight
 - away from radiators, cookers or other heat sources
 - where the room temperature corresponds to the climate classification for which the appliance is designed. Refer to the Specifications Section for your appliance's climate classification.
 - Extreme temperatures or environmental conditions may have negative impact on its performance.
- Stored food may spoil.

Level

After carefully positioning the appliance so as not to damage floor surfaces, install on a level floor that's strong enough to support a fully loaded refrigerator.

You can adjust the level of the refrigerator by screwing or unscrewing the two adjustable legs as shown in Figure 2.

This prevents vibration and noise.

If the appliance is to stand on a carpeted or vinyl floor, put a solid board underneath it first. This will protect your floor against possible colour change due to heat given off by the appliance.

Refrigerator door

The refrigerator's door hinges can be swapped over, from the right side to the left, so that the doors open in the opposite direction. If this is more convenient in your home, please contact our service centre listed on the attached sheet or access to our Web site (<http://www.panasonic.com>).

We could not be held responsible if you replace the hinges by yourself.

Cleaning

After installation, wipe the appliance clean with warm water.

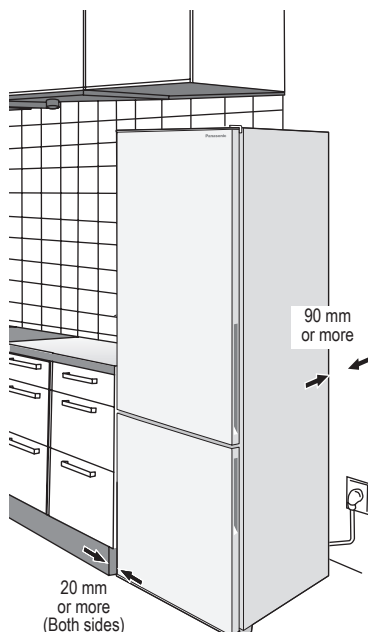


Figure 1

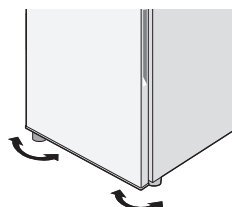


Figure 2

These illustrations show the BN30PGW.

First plugged in

When the power is first connected, the control panel lights up for two seconds, the freezer temperature display on the control panel flickers, and the freezer temperature is displayed. Press any button or wait five seconds for the flickering to stop, and the set temperature for the freezer is displayed.

Default settings for the control panel

When the power is connected for the first time, the control panel is set to "Home" mode.

"Home" mode must be turned off when you set the temperature of the fridge and the freezer.

Please refer to "Home Mode" of "Using the handy functions" to turn off "Home" mode.

Notes:

- Cooling may take longer in the summer months or at other times when the room temperature is higher.
- If you need to unplug the refrigerator, wait at least 10 minutes before you plug it back in again. If not, you might damage the compressor.
- If you're not going to use the refrigerator for a long time, unplug it from the mains.

Ambient room temperature

You'll find your refrigerator's climate classification on the rating plate in the left side of the fridge compartment. It shows the room temperature the appliance is designed to work in.

Climate classification	Permitted ambient temperature
SN (Extended Temperate)	+10 °C to 32 °C
N (Temperate)	+16 °C to 32 °C
ST (Subtropical)	+16 °C to 38 °C
T (Tropical)	+16 °C to 43 °C

For saving energy

1. Install the refrigerator in a dry, cool and well-ventilated room. (Please refer to "Installation" for dimensions and clearance.)
2. The combination of drawers and shelves that result in the largest in volume and the most efficient use of energy for the refrigerator.
 - Remove the top and middle drawers of the freezer.
 - Attach the drawers and shelves in the refrigerator to the positions illustrated on the section of "Parts".
3. Do not over fill the refrigerator to allow the air to circulate.
4. Open the doors only when necessary and as briefly as possible.
5. Occasionally clean the ventilation openings at the bottom of the refrigerator with a vacuum cleaner, etc.
6. When setting to Fast Freezing Mode or Fast Cooling Mode, power consumption will be increased.



Fridge compartment

The temperature can be set in a range from 2 °C to 8 °C.



Cooked food, drinks, eggs, cakes, dairy products

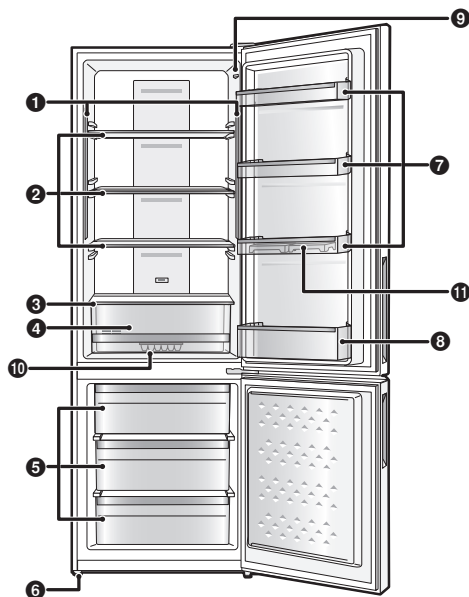
Freezer compartment

The temperature can be set in a range from -24 °C to -16 °C.



Frozen meat, poultry, fish, ice cream

This illustration shows the BN30PGW.

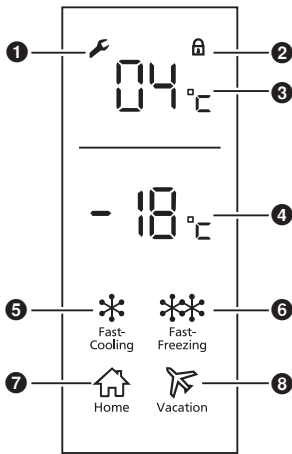


- | | | |
|-------------------------------------|-------------------|----------------|
| ① LED lighting of fridge interior | ⑤ Freeze drawers | ⑨ Light switch |
| ② Glass shelves | ⑥ Adjustable legs | ⑩ Ice tray |
| ③ Vegetable and fruit crisper cover | ⑦ Door shelves | ⑪ Egg tray |
| ④ Vegetable and fruit crisper | ⑧ Bottle shelf | |

(Position of ⑩ and ⑪ at time of shipping)

Note:

- You can change the positions where the Glass shelves and Door shelves are installed. Please use caution, however, because stored food and beverages could fall out when the door is opened and closed depending on the shelf positions.
- When opening the door, please take care to avoid collisions with people or objects in the vicinity.



Fridge — 9

Freezer — 10

Function — 11

OK — 12

- 1 Alarm icon
- 2 Child safety lock icon
- 3 Fridge temperature display
- 4 Freezer temperature display
- 5 "Fast-Cooling" icon
- 6 "Fast-Freezing" icon
- 7 "Home" icon
- 8 "Vacation" icon
- 9 "Fridge" button
 - To set the refrigerator temperature
- 10 "Freezer" button
 - To set the freezer temperature
- 11 "Function" button
 - To select the mode: "Fast-Cooling", "Fast-Freezing", "Home" or "Vacation"
- 12 "OK" button
 - To adjust the temperature, or to confirm, set, or quit the existing function

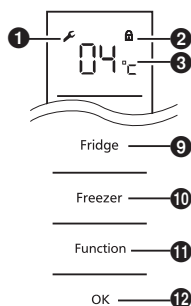
This illustration shows that all the displays and buttons are turned on.

Notes:

- When the appliance is connected to the power for the first time, the control panel will light up for two seconds and then change to the normal display. The appliance will run in "Home" mode.
- "Home" mode must be turned off when you set the temperature of the fridge and the freezer. Please refer to "Home Mode" of "Using the handy functions" to turn off "Home" mode.
- When the refrigerator door is closed and no buttons are operated for 3 minutes, the control panel light turns off. When the control panel light is off, open the refrigerator door or press any button to turn it on.
- Alarm indicator will flash and alarm will be heard at the same time.
- The anti-scratch protective film is pasted on the control panel.
- The settings may change if you touch a button when cleaning the control panel.

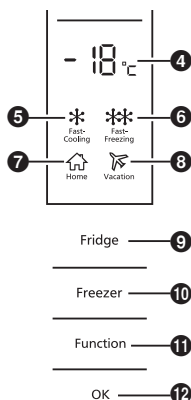
Setting the temperature

Fridge compartment



1. Press "Fridge" **9**, and when the fridge temperature display **3** flickers, the temperature can be set. Each time the button is pressed, the temperature changes (the fridge temperature display **3** shows the temperature accordingly). Press "OK" **12** to apply the displayed setting. (Temperatures cannot be set when in the following modes: "Fast-Cooling", "Home" and "Vacation".)
2. While setting the temperature, if no buttons are operated for five seconds, the fridge temperature display **3** stops flickering, and the set temperature automatically comes into effect.
3. Each time "Fridge" **9** is pressed, the temperature setting progresses through the following cycle:
2°C → 3°C → 4°C → 5°C → 6°C → 7°C → 8°C → OF → 2°C;
("OF" represents the OFF state, and the refrigerator is not cooled.)

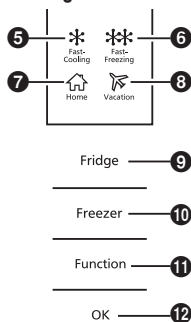
Freezer compartment



1. Press "Freezer" **10**, and when the freezer temperature display **4** flickers, the temperature can be set. Each time the button is pressed, the temperature changes (the freezer temperature display **4** shows the temperature accordingly). Press "OK" **12** to apply the displayed setting. (Temperatures cannot be set when in the following modes: "Fast-Freezing", "Home" and "Vacation".)
2. While setting the temperature, if no buttons are operated for five seconds, the freezer temperature display **4** stops flickering, and the set temperature automatically comes into effect.
3. Each time "Freezer" **10** is pressed, the temperature setting progresses through the following cycle:
-24°C → -23°C → -22°C → -21°C → -20°C → -19°C → -18°C → -17°C → -16°C → -24°C;

Using the handy functions

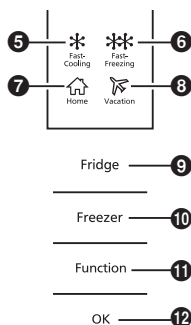
Fast Cooling Mode



Under Fast-Cooling Mode, the refrigerator is set to 2 °C, and the refrigerator temperature cannot be changed.

1. To enter Fast-Cooling Mode
Press "Function" **11** until the "Fast-Cooling" icon **5** flickers, and then press "OK" **12**. Fast-Cooling Mode is activated, and the "Fast-Cooling" icon **5** lights up.
2. To quit Fast-Cooling Mode
While in Fast-Cooling Mode, press "Function" **11** until the "Fast-Cooling" icon **5** flickers, and then press "OK" **12**. Fast-Cooling Mode is canceled, and the "Fast-Cooling" icon **5** turns off.
The refrigerator temperature goes back to the value from before Fast-Cooling Mode.
When the appliance enters Home Mode or Vacation Mode, Fast-Cooling Mode stops.

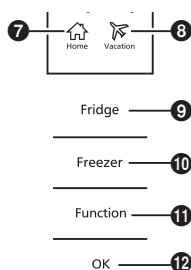
Fast Freezing Mode



Under Fast-Freezing Mode, the refrigerator temperature can be set, but not the freezer temperature.

1. To enter Fast-Freezing Mode
Press "Function" **11** until the "Fast-Freezing" icon **6** flickers, and then press "OK" **12**. Fast-Freezing Mode is activated, and the "Fast-Freezing" icon **6** lights up.
2. To quit Fast-Freezing Mode
While in Fast-Freezing Mode, press "Function" **11** until the "Fast-Freezing" icon **6** flickers, and then press "OK" **12**. Fast-Freezing Mode is canceled, and the "Fast-Freezing" icon **6** turns off.
The freezer temperature goes back to the value from before Fast-Freezing Mode. When Fast-Freezing Mode reaches the time limit (26 hours), it quits automatically. When the appliance enters Home Mode, Fast-Freezing Mode stops.

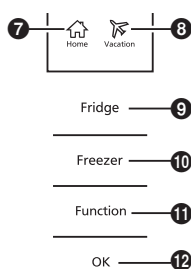
Home Mode



Under Home Mode, the refrigerator is 4 °C, and the freezer is -18 °C. Under Home Mode, temperatures of the refrigerator and the freezer cannot be changed.

1. To enter Home Mode
Press "Function" **11** until the "Home" icon **7** flickers, and then press "OK" **12**. Home Mode is activated, and the "Home" icon **7** lights up.
2. To quit Home Mode
While in Home Mode, press "Function" **11** until the "Home" icon **7** flickers, and then press "OK" **12**. Home Mode is canceled, and the "Home" icon **7** turns off.
The temperature of each chamber goes back to the value from before Home Mode.
When the appliance enters Fast-Cooling Mode, Fast-Freezing Mode or Vacation Mode, Home Mode stops.

Vacation Mode



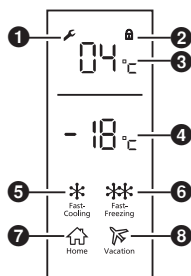
Under Vacation Mode, the refrigerator is 14 °C, and the temperature in this chamber cannot be changed.

1. To enter Vacation Mode
Press "Function" **11** until the "Vacation" icon **8** flickers, and then press "OK" **12**. Vacation Mode is activated, and the "Vacation" icon **8** lights up.
2. To quit Vacation Mode
While in Vacation Mode, press "Function" **11** until the "Vacation" icon **8** flickers, and then press "OK" **12**. Vacation Mode is canceled, and the "Vacation" icon **8** turns off.
The temperature goes back to the value from before Vacation Mode. When the appliance enters Home Mode or Fast-Cooling Mode, Vacation Mode stops.



Using the handy functions (continued)

Alarm Mode



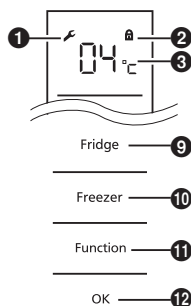
Refrigerator door alarm

When the refrigerator door is open over three minutes, the beep will sound. Close the door or press any button to stop the beep. If you do the latter, the beep will sound again after 3 minutes.

Sensor fault alarm

The alarm icon **1** on the control panel lights up, and "E0", "E1" or "E2" is displayed in area **3** or **4**. The refrigerator can still be used, but be sure to contact a Panasonic customer service center as soon as possible to address the sensor fault.

Child safety lock



When you press and hold "OK" **12** for three seconds, the child safety lock icon **2** lights up, and the child safety lock turns on.

When any other button is pressed while using the child safety lock function, the current settings are displayed, beep sounds, and operation is not possible.

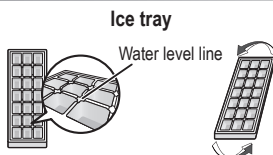
Again, press and hold "OK" **12** for three seconds to cancel the child safety lock and turn off the child safety lock icon **2**.

Power off memory

With this design, the refrigerator will automatically retain all the settings when the power is off. When the unit is plugged in again, the refrigerator will run with the settings from before the power was turned off.

Power-on delay

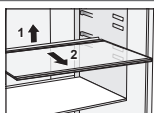
To prevent harm to the refrigerator in the case of a sudden power cut and power return, the unit does not start immediately when the power is off for less than 5 minutes.



Open the freezer, pull out the freeze drawer and take out the ice tray. (The ice tray is in the Vegetable and fruit crisper of the fridge compartment when delivered.) Fill water in the ice tray to the water level line and then place back the ice tray. When ice cubes are ready, pull out the freeze drawer and take out the ice tray. Slightly twist the ice tray by holding its two sides, the ice cubes will drop from the ice tray. Then, put the ice tray back into its place. When you pull the freeze drawer out, the ice tray may slant, causing water to spill. Carefully pull out the freeze drawer.

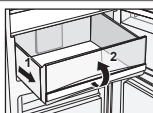
Care and Cleaning instructions

Fridge



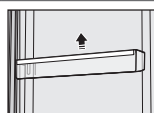
Glass shelves

Lift the rear part of glass shelf slightly, and then pull it out completely.



Vegetable and fruit crisper

Pull out the case as far as it will go. Then, lift the front part and pull it out completely.

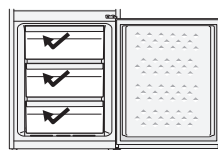


Door shelves and Bottle shelf

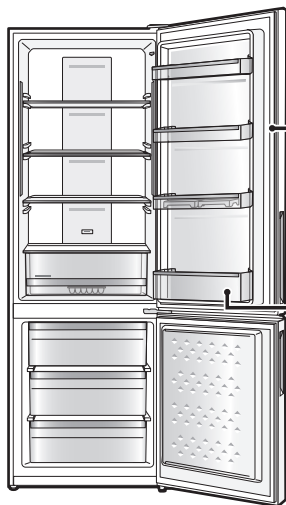
To remove a shelf from the appliance, lift it as far as it will go and pull it out.

Freezer

Lift the rear part of glass shelf slightly, and then pull it out completely.



Care and Cleaning instructions (continued)



Daily cleaning

Wipe regularly with a dry cloth.

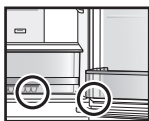
Places to pay particular attention to:

Door opening seal



If the seal gets dirty and damaged, cold air is more likely to leak.

Bottle shelf



Wipe away any dirt and liquid before it builds up.

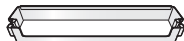
Each year, unplug your refrigerator, remove the shelves and give them a thorough clean.

Parts you can wash with water

Fridge



- Glass shelves
- Door shelves
- Bottle shelf
- Egg tray
- Vegetable and fruit crisper



Freezer



- Freezing drawers



- Ice tray

Note:

- Do not use abrasive cleaners such as Bicarbonate of Soda, as they can damage the plastic.

Cleaning the control panel

The refrigerator's control panel is made of delicate materials. To protect its surfaces, do not clean it with solvent based chemicals. Simply wipe it with a dry or slightly damp cloth.

Cleaning the outside of the refrigerator

Use a warm, damp, soft cloth to clean the outside of your refrigerator. For more stubborn marks, use a mild kitchen detergent and wipe away with a soft damp cloth. Remove any remaining surface water with a dry cloth.

Notes for cleaning

When cleaning inside or outside your refrigerator, **do not use:**

- **alkaline detergents** - they can crack plastic parts.
- **grinding dust, soap powder, oil-based cleaners, hot water, brushes, acids, benzenes, solvents or alcohol-based solutions** - all can damage the refrigerator's surfaces and plastic parts.

Make sure you wipe off any stains from edible oils, which can also damage plastic parts.

Maintenance check

- Is the mains lead damaged?
- Does the mains plug get hot?
- Is the mains plug firmly in the mains socket?

If the mains lead is damaged, please consult an authorized service centre. DO NOT attempt to replace these items yourself.

Extended disuse

If you're not going to use the refrigerator for a long time, unplug it and clean the mains plug as described above. Then leave the doors open for 2-3 days. This lets the interior dry out properly, and prevents odour and the build up of mould. Do not switch the refrigerator on and off repeatedly. It will last longer if you leave it switched on during normal use.

Before moving or transporting your refrigerator

- ① Remove all items.
- ② Unplug it.
- ③ Raise the adjustable leg.
- ④ Pull, or 'walk' the refrigerator towards you.

Note:

- Be aware that defrosted water may spill from the bottom of the refrigerator when transporting it. (If any water has spilled, wipe it up with a cloth, etc.)

Moving and transporting your refrigerator

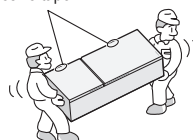
At least two people are needed to carry the refrigerator safely.

- ① Tighten the adjustable legs.
- ② Hold the adjustable legs at one end, and corners at the other, as shown.

Note:

- Do not carry the refrigerator by holding its doors. Always transport the refrigerator in its normal upright position.

Secure the doors with adhesive tape



If you feel that the refrigerator is not working properly, check out the following points first.
If the trouble persists, disconnect the mains plug and contact your dealer or an authorized service centre.

General

You hear unusual sounds from the refrigerator.	• Has the refrigerator been installed on a sturdy and level floor? • Have sufficient clearances been provided around the refrigerator? • Is anything vibrating on the top of the refrigerator? • It's normal to hear some noises when the refrigerator starts or stops operation.
You hear a sound after the compressor has shut down.	• This is normal, and is often caused by refrigerant flowing back to the compressor.
You hear a sound after you have opened or closed the door.	• This is normal, and is due to the difference in air pressure between the inside and outside of the refrigerator.
You hear the sound of air or water flowing after you have opened the door.	• This is caused by refrigerant flowing the internal pipework.
You hear a continuous whining sound.	• This sound is heard while the fan for circulating the cold air is operating. • Has the food been packed too tightly together or is the room temperature high? In cases like these, the fan for circulating the cold air runs at high speed so it makes a loud noise.
The compressor is quite loud.	• Has the food been packed too tightly together or is the room temperature high? In cases like these, the compressor runs hard so it's normal for the compressor to be louder.
The compressor has been running for a long time.	• When the mains plug has been connected for the first time, the compressor runs longer than usual in order to cool down the inside of the refrigerator until the set temperatures are reached. • Has Fast Freezing Mode or Fast Cooling Mode been set? • Have the doors been opened and closed frequently? Are the doors completely shut? • Have the food items been packed too tightly together or is the room temperature high? • When many food items are placed in the refrigerator at one time, the compressor will need to run for a longer period.
Condensation forms on the outside of the refrigerator.	• Condensation may form when the humidity in the room is high and is normal. Wipe it off using a dry cloth.
The outside of the refrigerator feels hot to the touch.	• After the power of the refrigerator is turned on, the refrigerator may become warm until the interior of the compartment is sufficiently cooled down. The refrigerator may become warm even after the compartments have been cooled down. This is due to the operation of the heat radiation pipe equipped on the refrigerator for the purpose of preventing condensation, and is not malfunction.
The controls on the control panel cannot be operated.	• Is the power to the refrigerator on?
The alarm sounds.	• The fridge door has been left ajar. Close the doors.

Fridge and freezer

The fridge is not chilling (and the freezer is not freezing).	• Is the power to the refrigerator on?
The fridge is not chilling (and the freezer is not freezing) satisfactorily.	• Is the set temperature too high? • Is the refrigerator exposed to direct sunlight or positioned near a heating appliance? • Have sufficient clearances been provided around the refrigerator? • Have the food items been packed too tightly together or is the room temperature high? • Have the doors been opened and closed frequently? Are the doors completely shut? • Has Vacation Mode been set? • When warm food is put inside the refrigerator, the temperature will rise temporarily. • During the cold season or when the room temperature is low, it may feel as if the refrigerator is not chilling.
There is a difference between the set temperature and actual temperature.	• When warm food is put inside the refrigerator, the temperature will rise temporarily.
Food in the fridge freezes.	• Is the set temperature for the fridge too low? • Has the food been placed at the back of the fridge? The area near the back wall is where the temperatures are coldest so avoid placing food which may freeze easily here.
Condensation forms in the fridge and drawers.	• Condensation may form when the door has been opened and closed frequently or when it has not been shut completely, or when the room humidity is high. Wipe off the condensation using a dry cloth.
It is hard to open the freezer door.	• The door is sometimes difficult to open just after it has been closed. • The difference in air pressure between the inside and outside of the freezer may sometimes make it hard to open the freezer door. Wait a few moments, and then try opening the door.
It smells inside the refrigerator.	• Were any food items with strong odours sealed before they were placed in the fridge? Place the items inside a sealed container and store them. • Odours may stick to the surfaces inside the refrigerator. Wipe the surfaces using a soft cloth which has been dipped in lukewarm water.

Specifications

Product fiche (EU Regulation 1060/2010)				
SUPPLIER'S NAME	Panasonic			
MODEL	NR-BN30PGW NR-BN30PGB	NR-BN30PS1	NR-BN30QGW NR-BN30QGB	NR-BN30QW1 NR-BN30QS1
CATEGORY	7 (Refrigerator-Freezer)			
ENERGY EFFICIENCY CLASS	A++		A+	
ANNUAL ENERGY CONSUMPTION	228 kWh/year ^{*1}		274 kWh/year ^{*1}	
NET FRIDGE VOLUME	220 L			
NET FREEZER VOLUME	81 L			
STAR RATING OF THE FREEZER	Four-star			
'FROST FREE' COMPARTMENTS	Fridge: No-frost / Freezer: No-frost			
TEMPERATURE RISE TIME	21 hours			
FREEZING CAPACITY	5 kg/24 h			
CLIMATE CLASS	SN-T ^{*2}		SN-ST ^{*3}	
AIRBORNE ACOUSTICAL NOISE EMISSIONS	42 dB			
Other Information				
TOTAL GROSS VOLUME	308 L			
TOTAL NET VOLUME	301 L			
OUTSIDE DIMENSIONS WIDTH × DEPTH × HEIGHT	599 mm x 638 mm x 1856 mm			
NET WEIGHT	76 kg	70 kg	74 kg	67 kg
RATED VOLTAGE	220 V - 240 V ~			
RATED FREQUENCY	50 Hz			
REFRIGERANT/CHARGE	R600a/42 g			
BLOWING AGENT	Cyelo-Pentane			

Notes:

^{*1} The energy consumption per year is based on the standard test results for 24 hours in accordance with EN153.

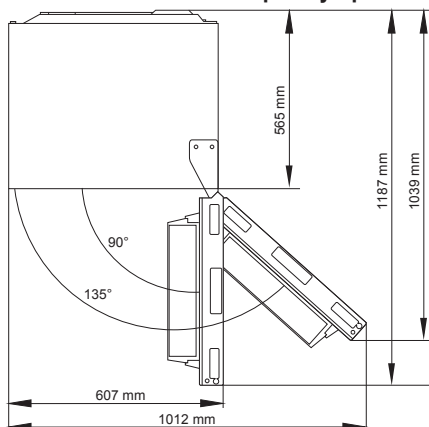
Actual energy consumption vary depending on how the appliance is used and where it is located.

The energy consumption when in use may vary depending on where the unit is installed, the temperature setting of each of the compartments, the ambient temperature and humidity, how often the doors are opened/closed, the volume and temperature of the food stuffs and how the appliance is used.

^{*2} Permitted ambient temperature: 10 °C to 43 °C

^{*3} Permitted ambient temperature: 10 °C to 38 °C

When the doors are completely open



Panasonic Corporation

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

Pursuant to the directive 2004/108/EC, article 9(2)

Panasonic Testing Centre

Panasonic Marketing Europe GmbH

Winsbergring 15, 22525 Hamburg, Germany

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