



ECONAVI



Panasonic[®]

Operating Instructions Refrigerator

For Household Use

Model No. **NR-BR34A**

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■ **NON-FLON**

This unit uses totally **NON-FLON MATERIALS** both for refrigerant (iso-butane (R600a)) and for insulation (Cyclo-Pentane). So, this refrigerator does not damage the earth's ozone layer and has almost no effect on global warming.

Thank you for purchasing the Panasonic product.

- Please read these instructions carefully and follow safety precautions page 2-3 before using this product.
- Please make sure the date and name of store of purchase are stamped in warranty card and keep it with this operating instructions.

AUS/NZ

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Printed in Thailand





Safety precautions

Please be sure to follow these instructions.



WARNING

This sign means
[It may lead a serious injury or death.]



CAUTION

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



These signs mean prohibited action.



This sign means required action.



R600a

iso-butane

Risk of fire / flammable materials

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



WARNING

For power plug and cord...



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



- Disconnect power plug when cleaning.
- Plug into a wall outlet of the rated voltage on its own with the rated current and insert plug fully.
- Reserve one plug for the refrigerator only. Avoid connecting multiple appliances to the same wall outlet and uncoil the entire cord.
- Remove dust periodically from the power plug.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If you detect burning smell, disconnect the power plug and ventilate the kitchen.
- **Stop** using the refrigerator immediately if there is an abnormality or failure. (Otherwise it may cause smoke, a fire or electrical shock)
Abnormality and failure examples
 - Power cord or plug is abnormally hot
 - Power cord is deeply cut or deformed
 - There is burning smell
 - You can feel tingling electricity

In case of emergency...



R600a
iso-butane

- Do not use electrical appliances such as a deodorizer in the refrigerator. (If the refrigerant leaks, then it may catch fire due to sparks on the contacts.)
- Do not store chemicals or scientific specimens.



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



- Maintenance work must only be carried out by qualified personal.

To prevent burn...



- Do not touch the compressor or attached pipes as there is a risk of burn injury.

When using...



- Do not damage the cooling circuit (piping on the back.) The flammable refrigerant may catch fire and lead to an explosion.
- Do not touch compressor or pipe, this area is high temperature.
- Do not let children hang from the refrigerator door as it may over turn and injure the child.
- Do not place any water container on top of the refrigerator.



- This appliance is not intended for use by persons (including children) with reduced physical, sensory, mental capacity or lack of experience and knowledge, unless they are supervised by a responsible person.
- Children should be supervised to ensure that they do not play with the appliance.

When recycling the product...



- Before taking the refrigerator to be recycled, please remove the door seal to prevent a child from being trapped inside the appliance.
- The operating instructions should be kept with the product and transferred to any new owner.
- Cyclo-Pentane is used for insulation of this refrigerator. Do not dispose of by incineration.
- The warning labels mentioned above should be kept throughout the life of the refrigerator.





Otherwise it may cause burn injury, accidents.

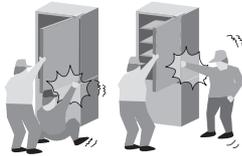


CAUTION

When opening/closing the doors...



- Be cautious when opening the doors as there is a risk of injury.



When storing food...



- **Do not** freeze glass bottles, There is a risk they will break if filled with liquid.
- **Do not** drop containers on to the glass shelves, high impact could cause them to break.



When moving the refrigerator...



- Hold the refrigerator tightly when transporting.
- Place a protective cover on fragile floors to avoid damaging the surface.



Usage precautions

When opening/closing the doors...

- **Do not** refrigerate items which are bigger than the tray or shelf, as the door will not close completely causing leakage of cool air.
- **Do not** open refrigerator frequently or leave it open for long periods of time in order to prevent water dripping inside and high energy usage.
- Frequently check the door seal to ensure it is completely sealed against the fridge body.

When cleaning...

- **Do not** clean the refrigerator with harsh or abrasive chemicals, please use a damp cloth.
- Clean the evap pan located over the compressor at the back of the refrigerator every three months to prevent odour generated from humidity.



When using...

- **Do not** put anything on top of the refrigerator. Otherwise, it may fall due to vibration.
- When the plug is disconnected, leave it for 10 minutes before plugging in again.
If not, the compressor may not work.
- Adjust the temperature according to the actual operating condition for energy saving.
- The outside wall of refrigerator cabinet may sometimes get warm, especially just after installation. This is quite normal, and is due to the built-in Mullion Dryer Pipe which prevents sweating and radiates heat.
- When humidity is high, e.g. during rainy-season, condensation may appear on the surface of cabinet, especially around the door seal gasket. Wipe off the condensed water with a clean cloth.
- The humidity inside the fresh case may condensate wipe it with a cloth periodically. Clean the fresh case once a month.



When storing food...

- **Do not** place warm/hot foodstuffs in the refrigerator.
- **Do not** overload the refrigerator. Gap must be provided between foodstuffs to maintain the cooling effect.
- Store fruit and vegetables in crisper, where trapped moisture helps preserve food quality for longer time periods.
- Drinking water and beverage bottles should be sealed to prevent odour.
- Foodstuff such as vegetable, fruit and fresh food should be wrapped or packed in container before freezing or refrigerating.
- 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.





Installation

The distance from the wall

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

Area around installed

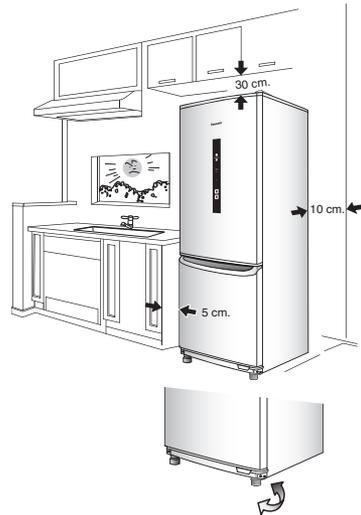
- **Do not** locate the refrigerator in a humid place as rust may form and electrical leakage may occur.
- **Do not** locate the refrigerator in direct sunlight.
- **Do not** locate the refrigerator near heat source such as stove or oven.
- The refrigerator must be located in the place where there is good air circulation.
- Adjust the feet to ensure the refrigerator is level.

Moving or shifting

- When moving or shifting the refrigerator, remove ice tray, ice box, evap pan etc. and check there is no water in the refrigerator.

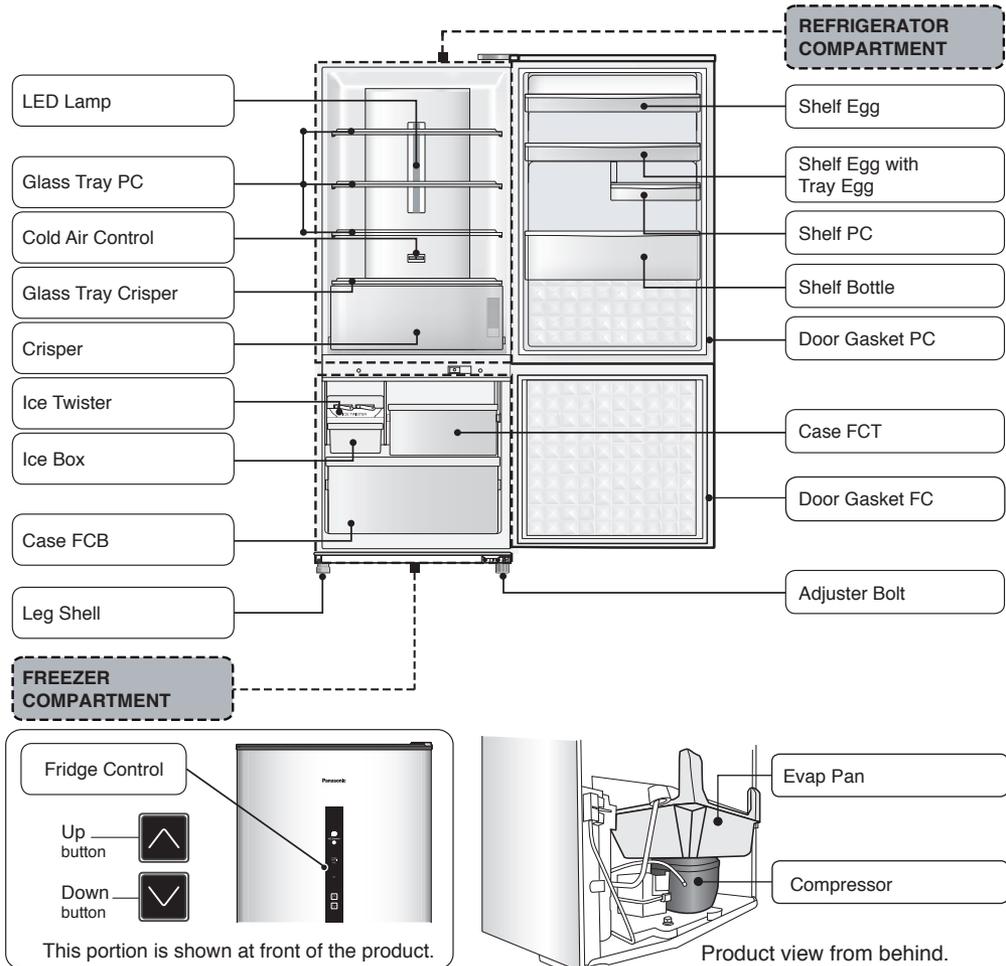
LED lamp and Grounding

- The refrigerator LED lamp must be replaced by qualified service personal, if replacement is required please contact your nearest Panasonic service centre
- This appliance is designed to be earthed through the mains plug.





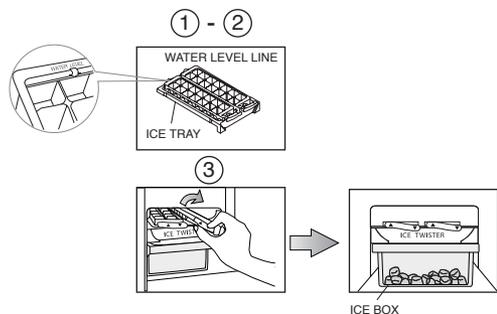
Parts identification



How to make ice cubes

STEP

1. Pull out the ice twister.
2. Fill the ice twister with water until the water reaches the water level line then place the tray back into the ice making compartment.
3. To remove ice cubes, twist the ice tray clockwise. The ice cubes will drop into the ice box.





Temperature control

Operate the Fridge Control when changing the temperature of REFRIGERATOR COMPARTMENT.

Press to lower the temperature and to raise it.

TEMP. CONTROL REFRIGERATOR COMPARTMENT		
	"Max"	Lower than "Med" by approximately 2°C ~ 3°C
	"Med"	Approximately 3°C ~ 5°C
	"Min"	Higher than "Med" by approximately 2°C ~ 3°C

Operate the Cold Air Control when changing the cold air condition.

Cold Air Control	
"Fridge Max"	REFRIGERATOR COMPARTMENT takes priority.
"Normal"	Cold air condition is normal.
"Freezer Max"	FREEZER COMPARTMENT takes priority.

Fine adjustment mode

This refrigerator is specially designed for appropriate use, which the temperature can be controlled finely by turning on the Fine adjustment mode.

How to operate of Fine adjustment mode

- Start operation of Fine adjustment mode
Set Fridge Control to "Min" with the "Fridge Control" button, press Fridge Control button for 10 seconds or longer, then the Fine adjustment mode will start.
- Operation of the Fine adjustment mode
Fine adjustment mode can set following below table;
the setting Fine adjustment mode can be changed by
Each time of pressing Fridge Control button, it will be step ①→②→...→⑧→⑨
Each time of pressing Fridge Control button, it will be step ⑨→⑧→...→②→①

Cooling Level	Minimum Maximum								
	①	②	③	④	⑤	⑥	⑦	⑧	⑨
FRIDGE CONTROL LED DISPLAY									

3. Finish operation of Fine adjustment mode

To exit the Fine adjustment mode, set button of fine adjustment mode to step ①, press Fridge Control button for 10 seconds or longer, then the refrigerator will return to normal operation mode.

Note: The temperature control can vary depending on the environment and quantity of foodstuffs stored in the refrigerator.





ECONAVI operation

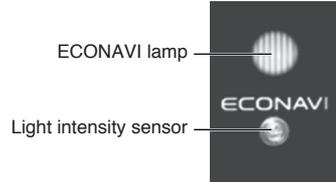
The refrigerator detects the opening and closing of the door and brightness around the appliance to automatically control operation to ensure maximum energy saving.

ECONAVI lamp is on during ECONAVI operation

- This refrigerator learns the lifestyle patterns of your family from opening and the time periods of infrequent use to perform ECONAVI operation.

Note:

- The refrigerator learns your lifestyle pattern from the previous 3 weeks, and uses what it has learned from the 4th week onwards. Therefore, the ECONAVI lamp "ON/OFF" pattern may change from the 4th week onwards.
- The refrigerator performs ECONAVI operation when it becomes dark² around the refrigerator, such as when you are asleep.
- The brightness of ECONAVI lamp is lowered approximately 5 minutes after the lamp turns on.



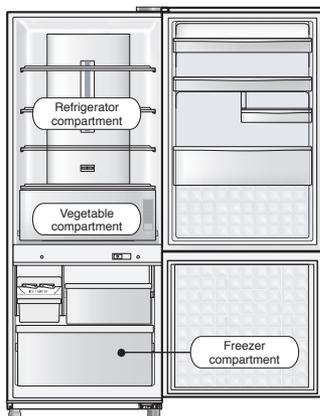
Setting for enabling ECONAVI operation

- ECONAVI operation is enabled automatically only when the temperature control of the refrigerator compartment is set to "Med".
- It is not possible to forcefully start ECONAVI operation while fridge control settings are at "Max" or "Min" position.

Note:

- ¹ The efficiency of the ECONAVI mode depends on the ambient temperature, ambient brightness, number of times the doors are opened and closed and the state in which food is stored.
- ² Darkness is detected by the light intensity sensor at approximately 3 lx to 10 lx or less.

Usage Tips



Approx

5°C ~

Refrigeration

Approx

0°C

"Food and drinks readily served"

For regular storage of food and drinks or temporary storage of those to be served soon.



Approx

8°C ~

Vegetables

Approx

3°C

"Fruits and vegetables"

A rather high humidity keeps fruits and vegetables fresh and juicy.



Approx

-18°C ~

Freezing

Approx

-23°C

"If storing food for an extended period..."

For storage of frozen or dried foods.





How to clean the refrigerator

1 Interior cleaning.

Wipe with warm water. If stains can not be removed easily, wipe them with warm water and mild soap using a soft cloth. Then wipe off using a damp soft cloth.

2 Exterior cleaning.

Cleaning by using soft cloth with warm water and mild soap. Then wipe off using a damp soft cloth.

3 Door gasket PC/FC.

- Clean by wiping with a soft damp cloth. Petroleum gel has been applied to the door seal on the hinge side of the unit, be careful not to wipe this off.
- The door seal is replaceable by an authorised service agent. If the door seal comes off during cleaning, it can be pushed back into the groove.



Note: Do not use the following items. (Otherwise, the surface will be scratched.)



Kitchen detergents
(They crack plastic!)



Alkaline or faintly
Alkaline



Cleanser or soap
powder



Benzene, thinner, alcohol,
acid, petroleum



Scrubber

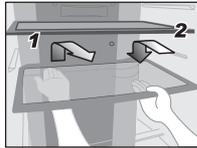


Hot Water

Removing trays for cleaning.

• Removing

1. Unhook from the protrusion at the rear of the tray by lifting the tray upwards and forward until it comes free.



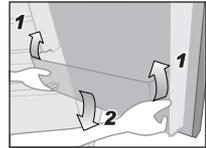
• Attaching

2. Push the tray inwards until it locks into place.

Removing shelf egg, shelf PC and shelf bottle for cleaning.

• Removing

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

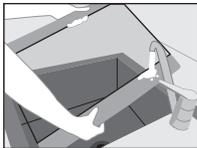


• Attaching

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

Cleaning escutcheon glass tray crisper.

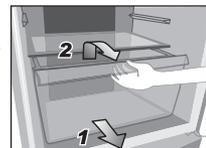
1. To clean the escutcheon glass tray crisper, please remove and rinse with clean water.
2. If there is a deep stain on the glass tray crisper, please soak in warm water and then rinse with clean water again.



Removing the crisper and case FCB for cleaning.

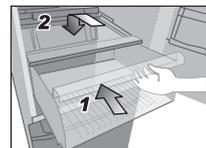
• Removing

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



• Attaching

1. Push the case on both supporters.
2. Lift and push until it reaches the end.





Troubleshooting

The refrigerator does not operate.

- Check that the plug and its socket are in good condition.
- Check if there are any problems with the main fuse or circuit breaker on the household distribution panel.
- Check by unplug and wait for 10 minutes before plugging it back in.

The refrigerator does not cool enough.

- Check to be sure that the temperature control button is in the proper position.
- Check to see if the refrigerator is overloaded or if there are any hot foodstuffs inside.
- Is the refrigerator exposed directly to sunlight or a heat source?
- Is the refrigerator door completely closed?
- Is the refrigerator door opened frequently?

Vapor generated inside and outside the cabinet / surface of door.

- Condensation may appear on the surface of cabinet when humidity is high, e.g. during rainy season or the air circulation is not good.
- If there is condensation inside, check if the door is completely closed. Is the refrigerator frequently opened or left open for a long periods of time? Is there any hot foodstuff refrigerated inside?

The refrigerator generates noise.

- Check if the refrigerator is located on a stable floor or is installed properly.
- Check if there is any object in contact with the refrigerator.

Lamp does not turn on.

- Please contact Panasonic service center.

Food becomes frozen

- Do you put the food near cold air duct?
- Do you adjust the temperature control at "Max"? Should adjust to "Med" or "Min".

The ECONAVI lamp does not light properly.

ECONAVI does not operate. (the ECONAVI lamp does not light)

- Are the temperature setting of refrigerator compartment set to something other than "Med" ?
- Did you open the doors frequently, or store very hot food?
- The learning function may automatically disable ECONAVI operation during times of frequent use.

ECONAVI operation is rarely performed.

- Is there a power failure?
If a power failure occurs, the leaning function data collected will be lost. ECONAVI operation will rarely be performed until the learning function has collected the data again.

ECONAVI operation is stopped part way though.

- If the auto defrost function is turned on during ECONAVI operation, normal cooling function will be performed after auto defrost. ECONAVI operation may be stopped during the defrost and cooling process.
- The learning function may sometimes restart the normal cooling operation.

ECONAVI operation is performed too often (the ECONAVI lamp rarely turns off).

- Is the light intensity sensor hidden?
- Is there dirt or scratches on the control panel (light intensity section)?
- ECONAVI operation may be performed while the refrigerator is being used depending on the conditions of use, but the cooling performance is maintained.





Panasonic Corporation
Web site : <http://panasonic.net>
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