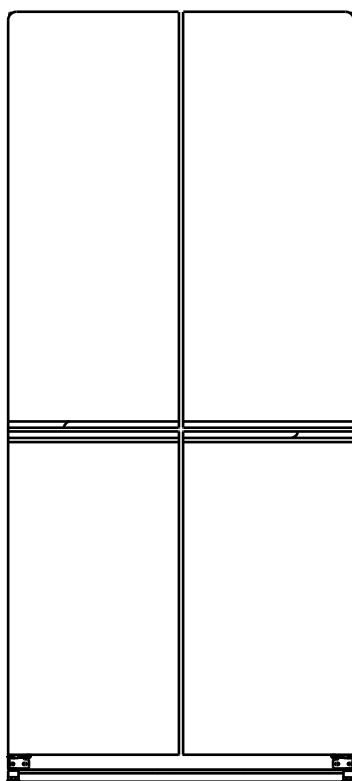




REFRIGERATOR

USER MANUAL

MODEL:BFQ-510ENG



Before operating this unit, please completely read these instructions especially the safety precaution

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Caring for the environment

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.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

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

user maintenance on the appliance.

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.

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

- WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- WARNING: Do not damage the refrigerant circuit.
- WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

PRODUCT FEATURES

This is four-door no frost refrigerator, upper compartment is fridge and nether compartment is freezer.

★Single system

By real-time monitoring the status of refrigerator and freezer, through Electric throttle

to adjust the cold wind from the evaporator to make sure it can maintain humidity in the refrigerator under the best situation, then extend the freshness of storage.

★Freon-free refrigerator

This is an environment-friendly refrigerator. With Freon-free gas and heat-insulation foaming material, it will not damage the

ozonosphere and has little impact on global warming.

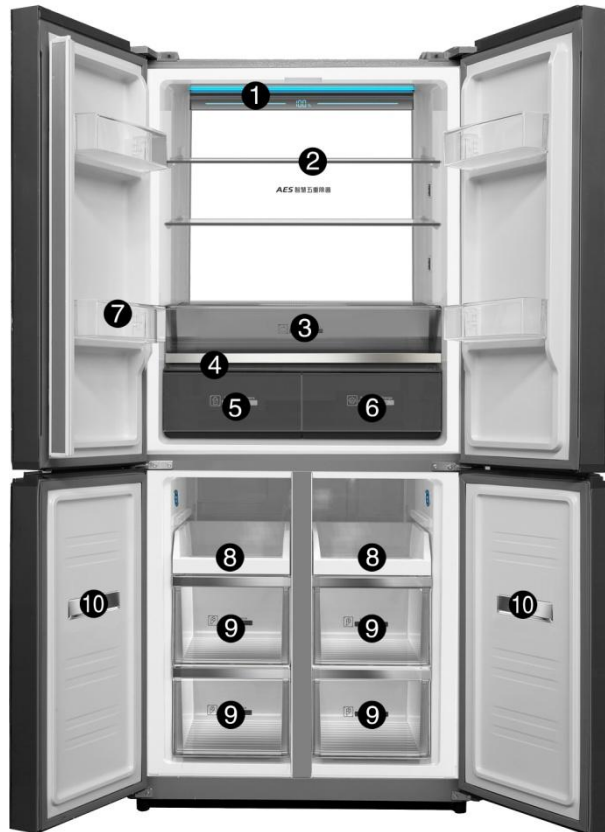
★Factional style

Deluxe and generous, this multiple-door refrigerator is graceful and novel in the appearance and is easy to open.

★Intelligent control

With intelligent temperature control technology, users can set the temperature of each compartment; supervise the working parameters through the LED display and monitor the working situation of the refrigerator.

NAMES OF THE PARTS



- | | |
|------------------------------------|--------------------------|
| 1. AES sterilizer | 6. Baby & Mom space |
| 2. Shelf | 7. Bottle holder |
| 3. Fruit and vegetable drawer | 8. Freezer tray |
| 4. Temperature control cover plate | 9. Freezer Drawer |
| 5. Fresh temp change drawer | 10. Sterilization module |

SAFETY POINTS OF ATTENTION

★Before operating this refrigerator, please read and follow all the safety rules and operating instructions.

Gas (R600a)

1) Do not damage the refrigeration system. Gas is inflammable and leakage could cause fire and explosion



CAUTION

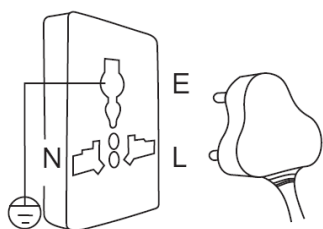
- 2) In case of gas leakage, sparks from the joints could cause fire and explosion.
 - 3) Do not touch the refrigerator with damaged pipes or leakage of inflammable gas. Keep fire away and open the window for fresh air. Sparks from plugging or unplugging could cause a fire hazard and explosion.
 - 4) If the gas splash into eye, will hurt the eye serious. And please go to the doctor immediately when happen to this situation.
- Socket and power cord checking
- 1) The socket must be over 10 A and is specially designed for the refrigerator. Sharing the same socket with other appliances could cause fire
 - 2) Keep the plug away from dust and make sure the plug is firmly inserted into the socket. Otherwise, the heat from the power cord could cause fire.
 - 3) Deformed or damaged plug could heat and cause fire.
 - 4) Do not let the refrigerator against the plug, and the plug deformed could cause fire.
 - 5) Do not damage the power cord. squeezed, dragged, twisted power could be damaged and cause electric shock and fire.



- 7) Do not use the refrigerator with a damaged or loose plug. This could cause electric shock, short circuit and fire. If the supply cord is damaged, in order to avoid danger, must be replaced by the manufacturer, the repair department or similar sector professionals.



CAUTION



In case of the below circumstances

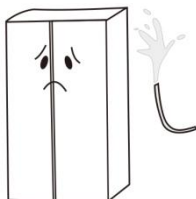
- 1) Unplug the refrigerator in case of burned smell and other abnormal conditions. Otherwise, it may cause electric shock and fire.
- 2) In case of gas leakage, do not touch the refrigerator or the socket and open the window for fresh air immediately. Sparks from the joints from door opening or unplugging the unit could cause explosion, fire and burns.



3) Never use any inflammable spray near the refrigerator, or it could cause fire and burns.



4) Do not sprinkle water onto the refrigerator. Wet electric devices could cause electric shock and short circuit.



5) Do not put water containers on the refrigerator and water sprinkled out could cause current leakage and fire.



6) Do not put any articles on the refrigerator. Shock from door opening and shutting could cause the articles to drop and hurt people.



7) Do not swing on the refrigerator door or step on the drawers. Otherwise, the refrigerator could topple and fall or jam the hands.



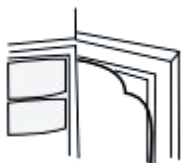
Cleaning

Before cleaning, unplug the refrigerator and never touch the plug with wet hands to avoid electric shock.



Repair and disuse

Before modifying this refrigerator for other usage, remove the gasket from the door. Or little children could be caught in and get out. In consideration of repurposing, key plastic parts are marked with their material names.



Do not disassemble or modify the refrigerator. Fire or malfunction could cause dangers.



Gas and foaming materials are inflammable. Please do follow the below instructions while repairing or abandoning the refrigerator:

1. To avoid gas left in the air, make sure of good ventilation
2. Keep fire away from gas



CAUTION

Except for those recommended by the manufacturer, never use any other electrical appliances in the storage room for the refrigerator.

Articles not suitable for storing

Do not store glass bottles or cans in the freezer compartment. Thermal expansion and contraction could cause cracking to the glass and hurt hands.



Do not store inflammable articles, such as ethers, volatile oil, liquid gas, alcohol, adhesive, etc. in the refrigerator. These could cause dangers.

Do not store medicine or reagent in the refrigerator. Household refrigerator can not store articles which have high requirement for temperature control.



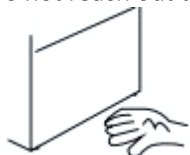
Do not put too much food in the refrigerator. Do not put in those food that easily topples and fall.



Do not reach with wet hands the food or containers, especially metal containers, in the freezer compartment.



Do not reach out to the bottom of the refrigerator. Hands could be hurt by the metal sharp corners.



Do not keep bad food in the refrigerator. Or it could result disease.



Place for installation

While installing, allow some space around the refrigerator and keep it away from wet place. Wetness could cause aging insulation and electric shock.



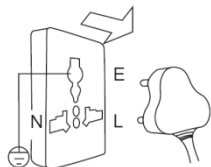
Plugging and unplugging

Hold the plug while plugging or unplugging the refrigerator. Dragging the power cord will damage the cord and cause electric shock, short circuit and fire.



Long vacations

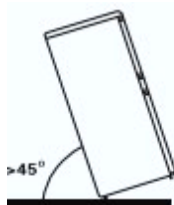
Unplug the refrigerator in case of long vacations. Aged insulation could cause fire.



Moving the refrigerator

Unplug the refrigerator from the socket, withdraw all the food and shelves to prevent damage to the refrigerator and hurts to people.

Never put the refrigerator upside down or sideways. When inclining is needed, incline the refrigerator to at least 45°C. Never hold the door, top cover or pipes as the supporting parts when you lift the refrigerator.



BEFORE OPERATING YOUR REFRIGERATOR

★Unpacking the unit

Remove all the packing components, including the foam base and the belts used for fixing the accessories.



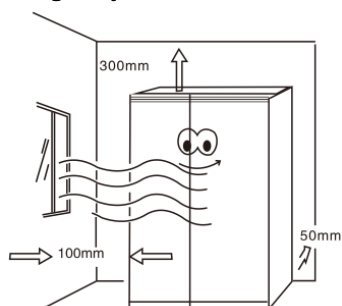
CAUTION

When push the refrigerator, adjustment feet should be in the highest point to avoid the damage on refrigerator

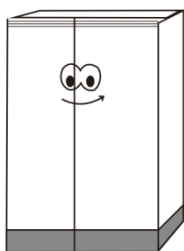


★Installing your refrigerator

- 1) Locate your refrigerator in a well-ventilated place, away from direct sunlight and sources of heat.
- 2) Allow some space around the refrigerator for ventilation and heat emission.
Allow at least 300mm of space from the top the refrigerator, 100mm of space from the sides and 50mm of space from the back.
- 3) Locate your refrigerator in a moisture less place, to avoid rust and electricity leakage.
- 4) The gas injection must more than $1\text{m}^3/8\text{g}$



- 5) Place your refrigerator on a floor that is strong enough to support the refrigerator when it is fully loaded and adjust the front feet to keep the refrigerator level. Unlevel standing of the refrigerator will cause noise and oscillation. Please lay a firm plate below the refrigerator when you put the refrigerator on the carpet, straw mattress and PVC materials in order to avoid off-color carpet caused by the heat emission.

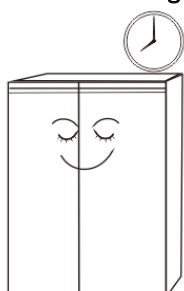


CAUTION Make sure of good ventilation around the refrigerator.

★Operating your refrigerator

- (1) static resting

To make sure of good working, let the refrigerator stand static at least one hour before plugging it into the wall outlet.



- (2) Cleaning the refrigerator

Clean the inside of the refrigerator with soft cloth.

(3) Plug the refrigerator

Plug the refrigerator into a dedicated, properly installed wall outlet. After the compressor works for an hour, open the freezer door and you will find the temperature falls obviously and this shows proper refrigeration.

(4) Put the food in the refrigerator after the unit fully cools down

After the refrigerator works for a while, the unit will automatically control its temperature according to the setting of the user. When the unit fully cools down, put in the food and it will fully cool down in 2 to 3 hours. In summer time, it takes at least 4 hours for the food to fully cool down. (Do not open the refrigerator too much before the unit gets cool.)



CAUTION Residual current circuit breaker: If the refrigerator is located in a moist place, make sure to check and guarantee the grounding and the residual current circuit breaker both properly work. When the refrigerator hits the wall or the wall gets black due to the air convection around the compressor, remove the refrigerator away from the wall. The setting on the refrigerator could cause noise or bad image to the nearby mobile phone, fixed line, radio and television. Remove the refrigerator as much as possible.

★About Freon-free refrigerator

By using Freon-free gas R600a and foaming material, this refrigerator will not damage the ozonosphere and has little impact on the global warming.

FUNCTIONS OF THE PRODUCT

The display control panel is in the middle of refrigerator door. Please see the below for the details:



Control panel instruction:

After power on, in the black screen state, touch the display, the display light up.

Function

First power on

The first connection of power supply, the temperature in fridge is set at "5°C" 、 the temperature in freezer is set at "-18°C" 、 light flash cycle every 3 seconds by fridge-freezer, compartment temperature displayed accordingly.

Button lock function

Press the Lock button to enter the lock state. The Lock icon lights up: Hold down the Lock button for 3 seconds to exit the lock state. Then the lock icon turns off. Or 30 seconds after the last key is pressed, lock the key. The device is locked during the initial power-on.

Note: User can only operate the temperature adjustment etc., under UNLOCK status.

Smart

Tap Smart to enter the smart mode, and the smart icon will light up. If you tap to exit the smart mode, the smart icon will turn off.

Note: To adjust the temperature of fridge or freezer under smart function, the machine will exit the smart function automatically.

Fridge temperature setting

Press the "fridge" button to set the temperature of the cold room, the fridge temperature is 8~2°C, the refrigeration is closed "--", 8~2 cycle setting. After selecting the appropriate temperature, stop pressing the key to select the current temperature.

Freezer temperature setting

Press the "Freezer" button to set the freezer temperature, and the freezing temperature is set between -15 and -23°C. After selecting the appropriate temperature, stop pressing the key to select the current temperature

Fast cool

Long press the "fridge" button for 3 seconds to enter the "Fast cool" mode, at this time, the "Fast cool" icon will light up; In the "Fast cool" mode, hold down the key for 3 seconds to exit the "Fast cool" mode, and the "Fast cool" icon will be extinguished. Automatic exit after 24 hours of access.

Fast freeze

Press and hold the "Freezer" button for 3 seconds to enter the "Fast freeze" mode, and the "Fast freeze" icon will light up; In the "Fast freeze" mode, hold down the button for 3 seconds to exit the "Fast freeze" mode, and the "Fast freeze" icon will be extinguished. Automatic exit after 48 hours of quick-freezing.

Air-Sterilize

Click the "Air-Sterilize" button to enter the Air-Sterilize state, and the Air-Sterilize will light up; If the Air-Sterilize state is already in the Air-Sterilize state, press to exit the Air-Sterilize state, then the Air-Sterilize light is extinguished.

Pesticide Reduce

Tap the "Pesticide Reduce" button to enter the state of Pesticide Reduce, then the icon of Pesticide Reduce is lit: If you are already in the state of Pesticide Reduce, click to exit the state of Pesticide Reduce, then the icon of Pesticide Reduce is extinguished.

Odor Clean

Click the "Odor Clean" button to enter the Odor Clean state, then the Odor Clean icon will light up; If you are already in the Odor Clean by tapping to exit Odor Clean, the Odor Clean icon goes out.

Deep Freeze

Click the "Deep Freeze" button to enter the Deep Freeze mode, and the Deep Freeze icon will light up; If you are already in the Deep Freeze state, press to exit the Deep Freeze state. The Deep Freeze icon goes out. Automatic exit after 16 hours of Deep Freeze.

Door opening alarm

When the door is opened for more than 30 seconds, the buzzer will emit a continuous "ding" "ding" "ding" "ding" alarm sound, each interval of 15 seconds, until the refrigerator door is closed. If the refrigerator door is not closed for 3 minutes, the buzzer will no longer alarm, and the icon of the corresponding room on the display will flash alarm until the refrigerator door is closed again. If the refrigerator door is not closed for 10 minutes, forcibly turn off the refrigerator light.

Blackout memory

This product has power failure memory function, the instantaneous working state of power failure will be locked, after the call is still according to the setting state before power failure.

Fresh temp change drawer



Click the "Soft-Freeze" button to enter the soft-freeze mode, the temperature is -2°C , suitable for storing short-term meat food;

Click "0° Fresh" to enter the 0° fresh mode, and the temperature is 0°C , which is suitable for storing seafood, fish and other foods for short-term consumption;

Click the "Chill" button to enter the chill mode, the temperature is 2°C , suitable for storing ready-to-eat fresh food.

Baby & Mom space



Click the "Deli" button to enter the deli mode, the temperature is 2°C , suitable for storing short-term consumption of steamed food, cooked food and other foods:

Click the "Baby & Mom" button to enter the baby & mom mode, the temperature is 4°C , providing a healthy maternal and child food storage space;

Click the "Precious" button to enter the precious mode, the temperature is 6°C , suitable for storing dry goods, tea and other food.

FOOD STORAGE

Placing the food

Due to the cycling of cold air, different areas in the refrigerator have different temperature and different food should be placed in different areas.

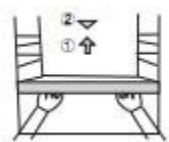
★The refrigerator compartment is suitable for cooked food, beer, eggs, flavorings, milk, juice etc. The crisper is designed for storing vegetables and fruits.

★The freezer is suitable for storing ice cream, frozen food and the food that requires long-term storage.

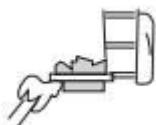
Using the refrigerator

★Most part of the refrigerator ranges from 2°C to 8°C and it is used for temporary stored food.

★Refrigerator shelves: Please hold the shelf tight and handle with care while withdrawing or inserting the shelves so as to avoid damage.



★Crisper: Make sure the crisper cover is put on the crisper after cleaning so as not to affect the temperature inside the crisper.



TIPS FOR FOOD STORAGE

★Clean food: clean and wipe dry the food before put it into the refrigerator; pack the food well before storage. On the one hand, it can keep the vegetables and fruit fresh; on the other hand, it can prevent mixed odor from the food.



★Do not put too much food into the refrigerator: allow some space among the food for ventilation; do not put in too

heavy food so as to avoid damaged shelves; keep the food away from the inner wall of the refrigerator; do not put moist food close to the refrigerator back to prevent it from freezing.



★Classified food storage

Place the food on sorted basis. Put the food for daily use at the front of the shelves.

★Energy saving

Allow the hot food to cool down before putting it into the refrigerator; defreeze the frozen food in the refrigerator and the cold from the frozen food can cool the food in the refrigerator



★Placing vegetables and fruits

- a) place the vegetables and fruits into the crisper for fresh keeping
- b) cut off the leaves of the radish before storage
- c) do not put green tomatoes into the refrigerator
- d) Do not put in tropical food, such as bananas, pine apples, melon etc.
- e) Rhizome food such as the pumpkins, potatoes, ginger, onion etc. does not need storing in the refrigerator

Using the freezer compartment

★This compartment is designed for the long-term storage of frozen food. Usually, it is below -18°C . Carefully follow the instructions on the package concerning the storage time.

★Freezer drawer

This is for storing frozen food. Fish and meet should be cut and packed separately before storage.

Tips for food freezing

★Allow hot food to cool down before putting it in to the freezer

★Put food into the appropriate small portions

★Do not put in glass containers or sealed cans with liquid into the freezer so as to avoid volume swelling and cracking

★Pack the food well with dry bags before putting it into the freezer; the packing material must be suitable for freezing and must be firm, air tight, odor-free water-proof, innocuous, pollution-free so as to avoid mixed odor.

★Do not put too much food into the freezer at a time, not exceeding the standard freezing capacity of the freezer. Keep new food away from frozen food in the freezer.

★Classified food placement

(1) Put similar food together

(2) Mark the food name, date and storage time of different food on the package

(3) Put the purchased frozen food into the freezer as soon as possible

(4) Take out the food based on your needs and do not freeze the food that has been unfrozen.

Information for food storage

Do not put in the food that does not need cooling.

★Food not suitable for freezing: uncooked eggs, boiled eggs, leaves of green vegetables, potatoes, dairy, salad, vegetables, bean curd etc.

CARE AND MAINTENANCE

Cleaning your refrigerator

★Food left in the refrigerator will cause unpleasant odor and the refrigerator must be cleaned regularly. Usually the refrigerator is cleaned once a month.

★Take out all the shelves, crispers, bottles, drawers, covers etc. and wipe them with soft cloth or sponge wet with warm water or mild detergent.

★Often clean the dust on the refrigerator back and the sides

★The detergent must be cleaned with clean water and wiped with dry cloth.

★Clean the door gasket carefully, clean the groove with cotton .Fix the corners first when putting the shelf into the door groove after cleaning.

Defrosting

★ This refrigerator is frost free and manual defrosting is not necessary.

Changing the LED light

Please contact our service people.

Vacation time

★ In case of power off, do not put in more food and reduce the times of door opening as much as possible. Before power off, set the freezer compartment to fast cooling and make some ice to put on top of the refrigerator compartment for urgency. For long vacations, clean the refrigerator thoroughly. To prevent unpleasant odor, leave the door open slightly and locate the refrigerator in a well-ventilated place.

Safety check after cleaning

★Damaged power cord or not

★Whether the plug is well inserted into the wall outlet

★Abnormal heat from the plug or not

Parts disassembling

★Refrigerator bottles

Hold the bottles and take them out upwards

★Refrigerator shelves

Hold the front of the shelves and withdraw them by lifting the back.

For long vacations

If the appliance will not be used over one week or will be removed to another place, throw the ice in the ice maker. Clean and dry the unit thoroughly. Remove all the food from inside and unplug the refrigerator.

TROUBLE SHOOTING GUIDE

Below phenomena are normal when the refrigerator is working:

- ★ When the refrigerator is working, the evaporator and pipes will sound “PAPA” due to the temperature change. When the refrigerator starts or stops, the pilot plate, starting relay, thermal protector and other electrical devices will sound “KAKU” and refrigerant running in pipes gives a gentle sound of water running in pipes.
- ★ In a moist season, the outer surface of refrigerator and door gasket could be covered with some water bubbles which should be simply wiped away.
- ★ The compressor could be heated to the extent that it scalds your hand during refrigerator operation. The temperature on the compressor surface can be as high as 90°C. Avoid touching.
- ★ The door gasket and the inner refrigerator body could feel hot. This is caused by the dissipation devices like high temperature anti-dew tube .
- ★ Display Standby: the display light will turn off completely after the refrigerator doors are closed for a few minutes. Open the door or press any key to wake the display.
- ★ If put too much food in the refrigerator, ambient temperature higher, open and closed door frequently, the energy consumption higher than nominal value is the normal situation.
- ★ If put into or take out the foods from refrigerator, close and open the door, and other environment factor, could cause the noise value be different from the nominal value it is the normal situation. And at the time of refrigerator just start, the noise value will higher than normal too.

Simple malfunction analysis

Before call for service, please double confirm the below:

★ Symptom 1:

The refrigerator does not work at all

Cause:

- 1) Not plugged in
- 2) A tripped circuit breaker or a blown fuse
- 3) Power off

Actions to take

Plug in

Open the refrigerator door to check whether the light is on

★ Symptom 2:

Abnormal noise

- 1) check whether the refrigerator stands level
- 2) check whether the refrigerator hits the wall

Actions to take

- 1) Adjust the front feet of the refrigerator
- 2) Remove the refrigerator away from the wall

e Symptom 3:

The refrigerator does not cool sufficiently

Cause:

- 1) Open the door too often, or it has been left open for a while
- 2) Too much food or hot food, or the food bag is trapped in the door gasket
- 3) Direct sunlight or close to the cooker
- 4) Bad ventilation near the refrigerator
- 5) The temperature setting is high

Actions to take

Let the food cool down before put it in the refrigerator

Close the door well

Keep the refrigerator away from heat sources

Allow some space around the refrigerator for good ventilation

Set the temperature to suitable temperature

★ Symptom 4:

Unpleasant odor in the refrigerator

Cause:

The food becomes bad; the refrigerator needs cleaning, or food with strong smell is not wrapped well.

Actions to take:

Throw the bad food

Clean the refrigerator

Pack well the food with strong smell

★Symptom 5:

The food in the refrigerator is frozen

Cause:

The temperature in the refrigerator is too low

The food is close to the inner wall.

Actions to take

Reset the temperature in the refrigerator

Keep the food away from the inner wall of the refrigerator

★Symptom 6:

There is water in fridge compartment

Cause:

The drain hole in fridge compartment is not clear


Actions to take


Clean the drain hole

Environment Friendly Disposal



*You can help protect the environment!
Please remember to respect the local regulations:
hand in the non-working electrical equipments to
an appropriate waste disposal center*

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 **BRÜHM** has policy of continuous improvement in product quality and design. The company, therefore reserves the right to change the specification of its model at any time.