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USER'S MANUAL

REFRIGERATOR & FREEZER

MODEL: BCR310CALM1

Calmbee Electrical Appliances Co., Ltd.

Important Safety Instructions	3
First Use of Product	6
Installation Instruction	6
Attentions before installation	6
Components list for installation	6
Product and cabinet sizes	7
Preparation before installation	8
Steps to put the refrigerator inside cabinet	9
Steps to install the cabinet door	10
Instruction to adjust cabinet door	12
Steps for first use of product.....	13
Major Function Introduction	13
Name for refrigerator components	13
Control panel	14
1. Power switch	14
2. Temperature adjustment in refrigerator compartment	15
3. Temperature adjustment in freezer compartment	15
4. Fast cooling function.....	16
Instruction and Attentions for Usage of Refrigerator Compartment	17
Suggested storage area for various foods	17
Usage of crisper box	17
Usage of bottle rack	17
Attentions for food storage in refrigerator compartment	18
Instruction and Attentions for Usage of Freezer Compartment	19
Attentions for food storage in freezer compartment	20
Daily Maintenance for Refrigerator	21
Clean refrigerator	21
Transportation of refrigerator	21
Out of service of refrigerator	22

Dear customer:

Thanks for choosing our products. In order to guarantee the proper use of refrigerator and avoid personal injury, please carefully read the contents with below symbols in this manual:



Mistaken operation may result in personal injury



Mistaken operation may result in property loss



Strictly forbidden behavior or operation



Behavior or operation that must be abided by

1 Safety warnings

1.1 Warning



Warning: risk of fire / flammable materials

Any replacement or maintenance of the LED lamps is intended to be made by the manufacturer service agent or similar qualified person.

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.

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.

The appliance has to be unplugged after use and before carrying out user maintenance on the 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.

WARNING: Please abandon the appliance according to local regulators for its use of flammable blowing gas and refrigerant.

WARNING: When positioning the appliance, ensure the supply cord is not trapped or damaged.

WARNING: Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

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

DANGER: Risk of child entrapment. Before you throw away the appliance:

- Take off the doors.
- Leave the shelves in place so that children may not easily climb inside.

The appliance must be disconnected from the source of electrical supply before attempting the installation of accessory

Refrigerant

and cyclopentane foaming material used for the appliance are flammable. Therefore, when the appliance is scrapped, it shall be kept away from any fire source and be recovered by a special recovering company with corresponding qualification other than be disposed by combustion, so as to prevent damage to the environment or any other harm.

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.

Electricity

Power supply

- ! Alternating current of this refrigerator is 220V/50Hz, if voltage fluctuates too large (exceed the range of 187- 242V), the refrigerator may not start to work, the thermostat or compressor will burn out and compressor may sound abnormally. At this time, it must be equipped with an automatic voltage stabilizer of more than 750W.

Grounding

- ! The refrigerator has to be powered with a special independent socket and reliably grounded. The power cord of this appliance is equipped with a 3-prong (grounding) plug which mates with a standard 3-prong (grounding) outlet. At any circumstance, don't cut off the third prong (grounding). When the refrigerator is installed, the plug should be reachable to use.
- ⊘ The plug of the power cord should firmly contact with the socket; otherwise, it may cause fire disaster.

Power cord and plug

- ⊘ • Please do not pull out the plug with jerk. Hold the power plug tightly, then pull it straight out from socket. Make sure the power cord is not squeezed by the refrigerator or user. Please be cautious to avoid damaging the power cord when moving refrigerator away from the wall.
- ! • Do not use the damaged power cord or worn power plug. Please contact the authorized repairer to replace the damaged power cord.
- Please disconnect the refrigerator with power supply before cleaning, maintenance or replacing LED light.

Leakage of flammable gas

- ! In case of leakage of flammable gas, please close the valves of gas, open the doors and windows, do not plug or unplug the power plug.

Usage

Food storage



- This is household refrigerator which can only be used for food storage, please do not store blood, medicine or biological products in refrigerator.
The flammable and explosive dangerous products, highly corrosive acid or alkali shall not be stored in refrigerator.
- Do not put bottled beer or drink inside the freezer compartment to avoid frost crack.
- When the refrigerator is running, do not touch the freezing surface in freezer compartment with wet hands to avoid the skin adhering to the freezing surface.

Usage environment



- The refrigerator should be built-in the cabinet, please refer to the "Installation instruction" for the specifications of cabinet.
- The refrigerator shall be placed away from heat source and avoid direct sunshine to guarantee the performance.
- Do not expose the refrigerator to freezing environment, outdoors or rain.
- Do not place the refrigerator in moisture, if the refrigerator is splashed with water, wipe the water out immediately in order to avoid rusting or damaging of electrical insulation performance.
- Do not place the heavy or container filled with water on top of refrigerator in order to avoid the personal injury or leakage of electricity caused by falling of the heavy goods or container.
- Do not place or use electrical appliances such as power plug, stabilized voltage supply, microwave on top of or inside refrigerator to avoid electromagnetic interference.
- Do not store or use gasoline or other flammable substances near to refrigerator to avoid fire disaster.

Maintenance

Cleaning



- Do not use water to spray the refrigerator, make sure the refrigerator is not placed in wet environment to avoid damage of electrical insulation performance.
- When clean the refrigerator, please pull out the power plug. Make sure the refrigerator is powered off for at least 5 minutes before connecting to power supply again, or else the compressor may breakdown due to consecutive operation.

Repairing



- The refrigerator can only be disassembled or repaired by qualified serviceman. Danger: Risk of child entrapment. Before you throw away your old refrigerator or freezer:
- Keep the refrigerator clear of fires, when discard it.
- Take off doors, and leave the shelves in right place so that children may not easily climb inside.
- Do not let children play on the refrigerator door, in case the toppling of refrigerator which may result in personal injury.

Preparations before using refrigerator

- 1** Remove all packaging materials including the foaming base and the adhesive tapes which are used to fix the accessories.
- 2** **Check the accessories and materials**
Please check the parts inside package according to packing list. If there is difference, please consult the seller.
- 3** Place the refrigerator in proper location.
- 4** Please clean the refrigerator before use(refer to the chapter clean of refrigerator on page21)
- 5** After the refrigerator is leveled and cleaned, please wait 2 hours before connecting to the power supply.
- 6** **Remove the protection film**
Please remove the protection film before use to guarantee the heat dissipation of refrigerator.If not, it may cause the rise of power consumption.

Steps for first use of product

- 1**
Connect to power supply
After first connecting to power supply, it will take several hours for the freezer to complete the refrigeration.
The default preset temperature is.
refrigerator compartment(5°C)
freezer compartment(-18°C)
- 2**
Put the food inside refrigerator
The food can be put into refrigerator 2-3 hours after connecting to power supply. Please do not store too much food in refrigerator compartment. The total weight of the food stored in each shelf should not be no more than 24kg.
- 3**
Use refrigerator
Keep the refrigerator running for 24 hours to reach the steady state after putting the food inside refrigerator. After that, the temperature can be changed.

Tips: After changing the temperature setting , it will take some time before the cabinet temperature reach balance. The length of time depends on ambient temperature, frequency of opening refrigerator doors and the food stored in refrigerator .

Installation instruction

In order to make the refrigerator work well, please obey below installation steps.

Attentions before installation

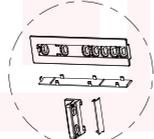
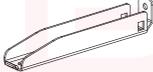
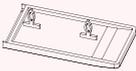
Installation position

Please keep the refrigerator away from direct sunshine and heating producing appliances, such as cooktop, oven, and dishwasher.

Power supply

- Make sure the power plug can be easily pulled in and out when installing the refrigerator.
- The power plug should be inserted into a special socket to avoid the unexpected power off of refrigerator. Do not plug any other machine's power plug into the refrigerator's socket. Do not use extension cord or porous adapter. Because porous adapter may fall down from the wall socket due to the weight of several power cords.
- To understand the requirement for power supply please refer to the nameplate in left side of refrigerator.
- The freezer should be correctly grounded.

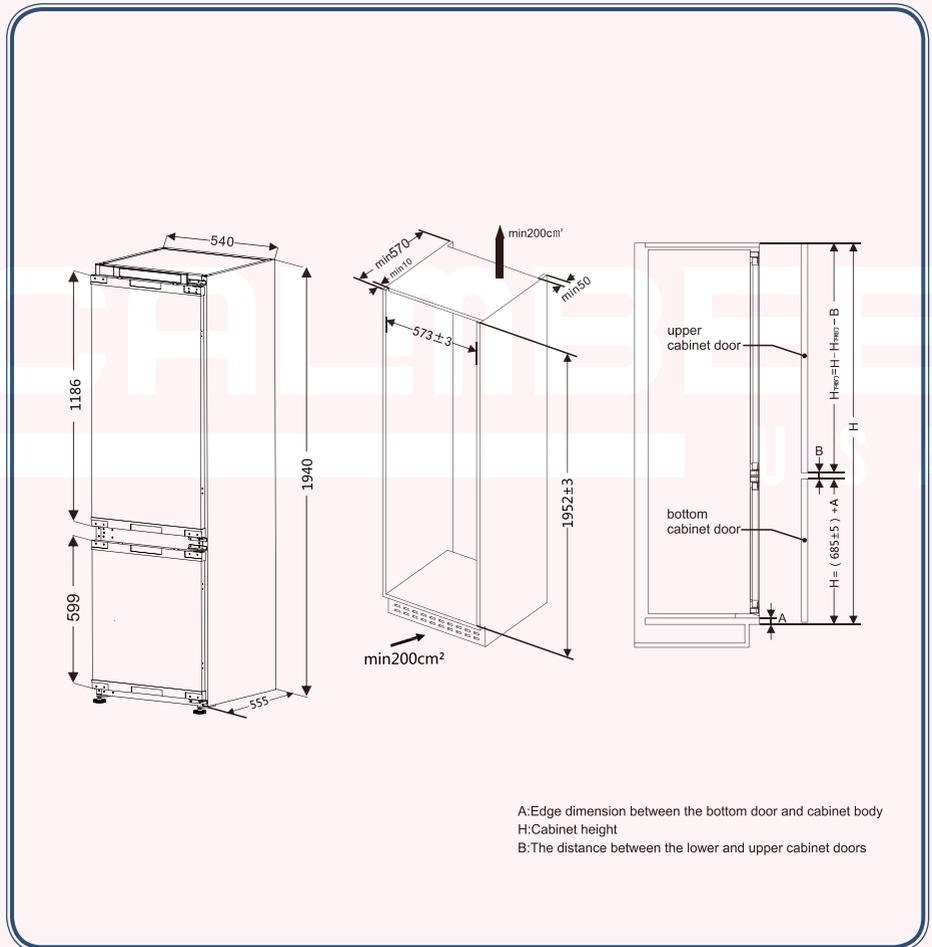
Components list for installation

1. front top plate  1 pcs	2. slider rail assembly  4 set	3. fixed beam  1 pcs	4. fixed beam cover  1 pcs
5. sealing strip  1 pcs	6. screw cap  2 pcs	7. Small display fixed plate  1 pcs	8. countersunk head screw  A 18 pcs
9. Pan head screw  B 6 Pcs	10. M6 screw cap  C 2 pcs		



Product and cabinet sizes

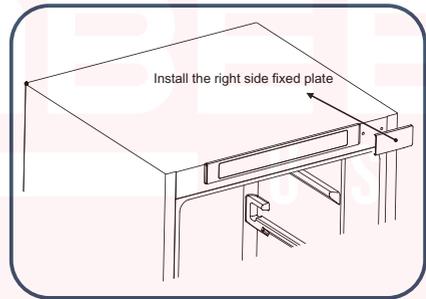
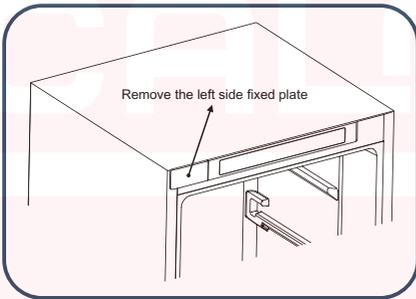
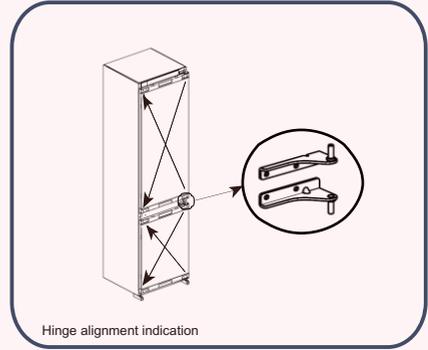
cabinet size(mm)		product size(mm)	
Net width	573 ± 3	Width	540
Net depth	≥ 570 (recommend 600)	Depth	555
Net Height	1952 ± 3	Height	1940



Preparations before installing the refrigerator

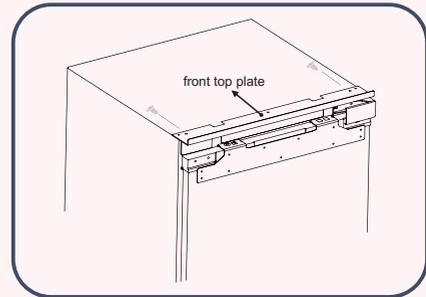
1. Confirm the direction of opening the door

The refrigerator door is opened from left side. If change to open door from right side, please install the upper and lower hinge on left side after reversing the hinges. The reversing direction is shown as arrow in the diagram. install the hinge fixed plate, remove the small fixed plate in left side, then install the small fixed plate in right side after changing the direction of opening the door.



2. Install the front top plate

Fix the front top plate in front top of refrigerator with screws.



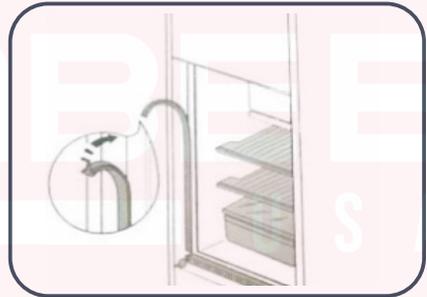
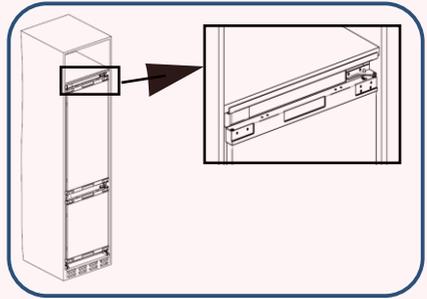
Steps to put the refrigerator inside cabinet

1. Pass the power cord through the hole on the back of the cabinet,if the power socket is inside cabinet ,firstly plug the power plug into socket,then put the refrigerator inside cabinet.
2. Move the freezer into cabinet,adjust the freezer position in fore- and- aft direction to ensure the front top plate contacts the top of cabinet.
Adjust the refrigerator position in left-and-right direction to ensure the gap between the refrigerator doorside and the cabinet is 5-10mm.

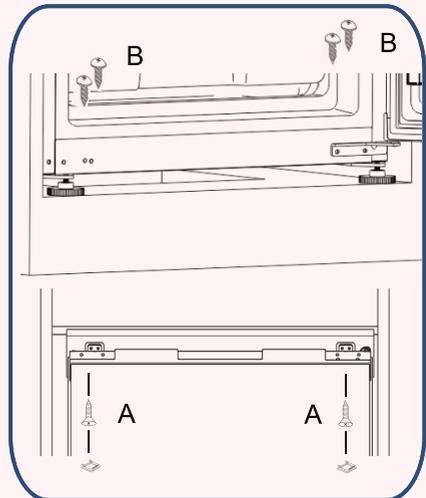


Do not squeeze the power cord, a broken power cord may lead to fire disaster.

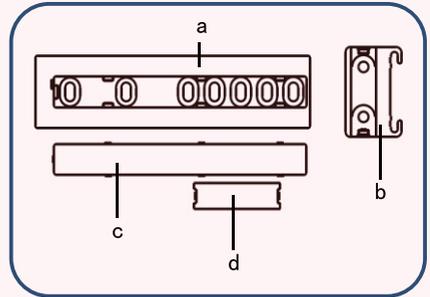
3. Insert the magnetic strip side of the sealing strip into the gap between the non hinge side of the refrigerator and the cabinet, make the magnetic strip surface adsorb on the side wall of the refrigerator, and cut off the excess length after adsorption from bottom to top.



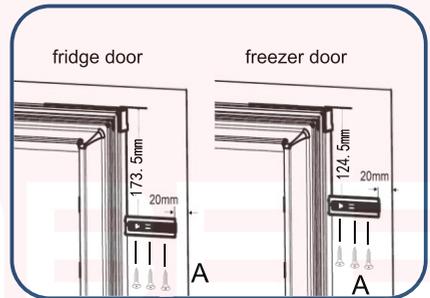
4. Rotate the adjusting foot to make the refrigerator and cabinet reach the proper state , and then screw down the adjusting foot with screws,then fix the top plate of the refrigerator and the top of the cabinet with screws,and cover the screw cap.



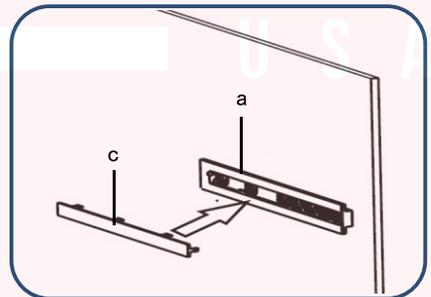
5.Sort slide rail assemblies as shown



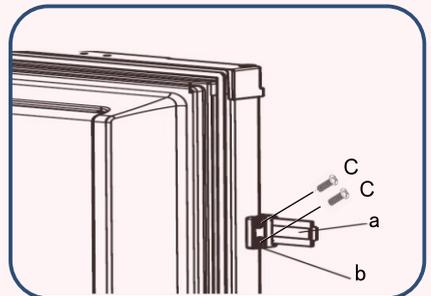
6.Place the slide rail (a) on the inner wall of the cabinet door as shown in the picture, and fix it to the door panel with screws.



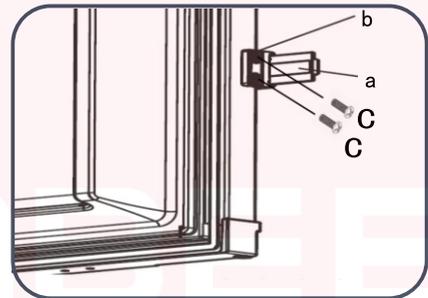
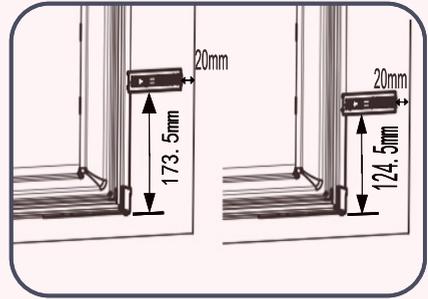
7.Fasten the rail cover (C) to the rail (a) and fasten it.



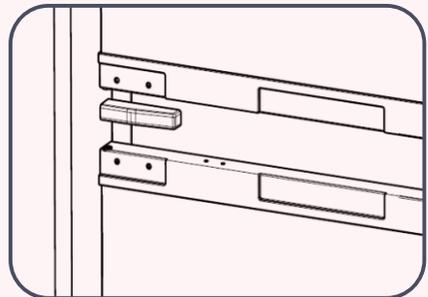
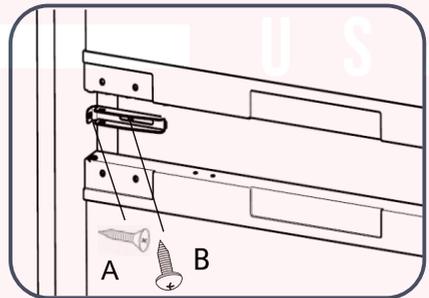
8.Open the refrigerator door and cabinet door to 90°, place the slider (b) on the rail (a), and then parallel the refrigerator door and the cabinet door together, and use the screw C(installed on the door) to put the slider (b)fixed to the refrigerator door.



9. Fasten the slider cover (d) to the slider (b) and fasten it. Use the same method to fix the remaining 3 sets of slide assembly to connect the refrigerator door to cabinet door.



10. Screw the fixed beam to the refrigerator first, adjust the left and right sides, and align the side with the side wall of the cabinet and lock it with screws. Then lock the fixed beam and the refrigerator, and finally fasten the fixed beam cover.



Steps of First Usage of Refrigerator

Energy saving tips

There are many simple things that can be done to save energy.

During installation

- Locate refrigerator to the coolest part of the room. Avoid areas of direct sunlight, or near heating ducts, registers, or other heat producing appliances.
- Ensure your refrigerator has adequate ventilation as shown in the installation instructions.

During use

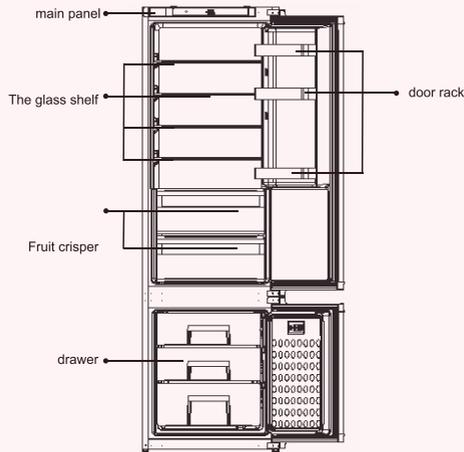
- Avoid overcrowding shelves, as this reduces air flow.
- Do not use anything (such as aluminum foil, wax paper, or paper toweling) as a shelf liner, as this reduces air flow.
- Avoid loading too much warm food in at once and allow good clearances in front of the air ducts within the cabinet for maximum cold air distribution.
- Your refrigeration is most efficient when it is two thirds full.
- Do not leave the door open for any longer than is necessary and organize items in the refrigerator to reduce time that the door is open.

Before placing food in the refrigerator

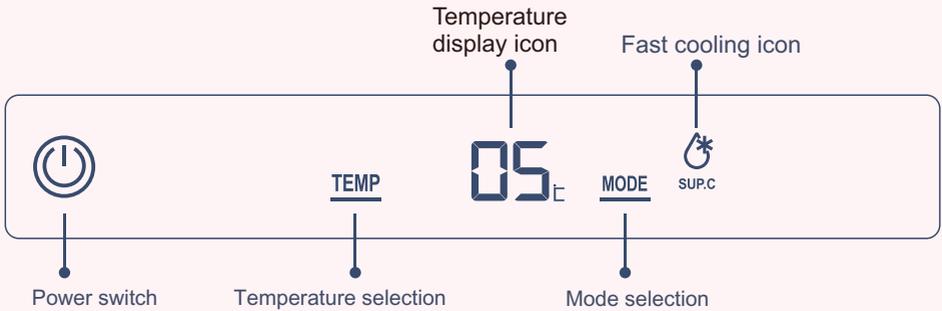
- Remove all packages.
- Clean the inside of the appliance with a mixture of warm water and a little liquid detergent to remove manufacturing and transportation dust.
- The appliance may have an odour on its initial operation, but this will go when the refrigerator has cooled sufficiently.
- Allow the refrigerator to run empty for 2-3 hours to allow each compartment to cool the appropriate temperature.

Major Function Introduction

Name for refrigerator components



Control panel



Power switch:	Power on/off refrigerator
Temperature selection:	Adjust the temperature settings
Mode selection:	Select fast cooling function
Temperature display icon:	Display current temperature setting or value
Fast cooling icon:	Indicate that the refrigerator is in fast cooling status

1. Power switch

Power on the refrigerator

When the refrigerator is in power off status, press "power switch" button for 3 seconds, the indicator is on and the refrigerator starts running.

Power off the refrigerator

Press "power switch" button for 3 seconds again, the indicator is off and the refrigerator stops running.

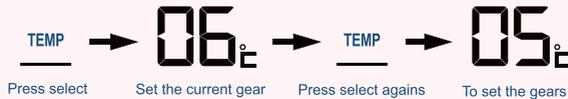


Press 3 second--the indicator goes on (the refrigerator starts running)--press 3 seconds again --the indicator goes off(the refrigerator stops running)

2. Adjust the temperature of refrigerator compartment

1. Press the "temperature zone selection" button, the refrigerator the temperature display icon" display current temperature setting and flashes.
2. Press "temperature regulation" button again, the refrigerator compartment temperature setting will cycle in turns:" 02"-03"-04" 05"-06"-07"-08"-02".

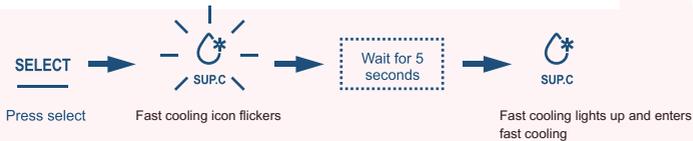
If there is no pressing button operation in 5 seconds, current setting will be confirmed.



3. Fast colling function

Turn on fast cooling function

Press "mode selection" button, "fast cooling" icon will blink. After 5 seconds, "fast cooling" icon will be lighted and fast cooling function is enabled.



Turn off fast cooling function

In fast cooling mode, press "mode selection" button, the "fast cooling" icon will flash. After 5 seconds, the "fast cooling" icon turns off and the refrigerator quits fast cooling mode.



4. Door alarm function

If the refrigerator door is open for 180 seconds, the buzzer will sound alarm 3 times by 0.5 second interval.

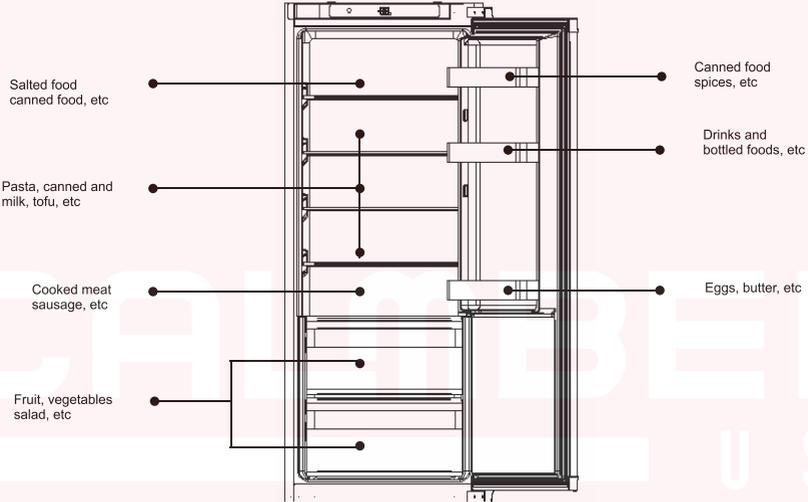
If the refrigerator door is still open after 30 seconds, the buzzer will repeat sounding alarm 3 times by 0.5 second interval until the refrigerator door is closed.

Instruction and Attentions for Usage of Refrigerator Compartment

The average temperature in refrigerator compartment is 0~ 10°C , so it can only be used for short- term storage of food.

Suggested storage area for various food

The temperature varies in different areas of refrigerator, so the food should be stored in recommended area shown as below :



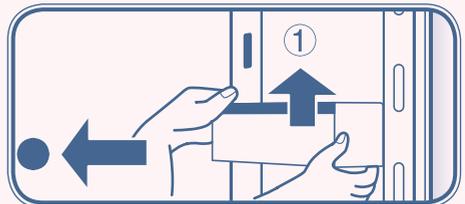
Usage of crisper box

The fruit and vegetable stored in refrigerator compartment lose moisture soon. Maintain the humidity in the crisper to keep more moisture of fruit and vegetable, which is fresher and healthier.



Usage of bottle rack

- The position of bottle rack can be moved according to storage requirement. The bottle rack can be pulled out by lifting up.
- When assemble the bottle rack, first place the bottle rack in the door liner, and then push it down gently.



Attentions for food storage in refrigerator compartment

Do not place hot food in refrigerator



Cool the hot food to room temperature before putting it into the refrigerator. Putting hot food will not only result in the temperature rise inside refrigerator but also reduce the freshness of other food.

The food need to be cleaned before putting into refrigerator



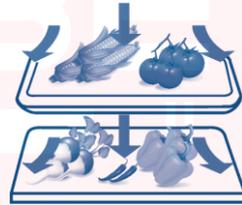
In order to keep the inside of refrigerator clean, please clean and dry the food before putting it into refrigerator.

The food need to be sealed and classified stored



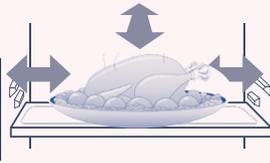
Seal the food before putting it into refrigerator. Classify the food and store it separately, which can not only help to keep freshness of food, but also avoid the taint of odour.

Do not place too much food in refrigerator



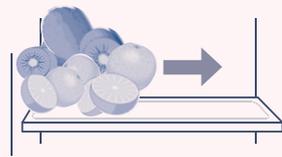
The food should be stored separately to leave enough room for air flow, thus better refrigeration effect can be guaranteed.

Prevent oil food contacting the liner



Contacting of food especially oil food with liner will result in corrosion of liner. The liner being polluted with oil should be cleaned immediately.

Do not place food too close to liner



Please keep the food a little distance from liner to avoid being frozen.

The low temperature of freezer compartment is helpful to keep freshness of food, so the food which need to be stored for a long time is recommended to be stored inside freezer compartment , but please pay attention to the suggested storage period on food package.

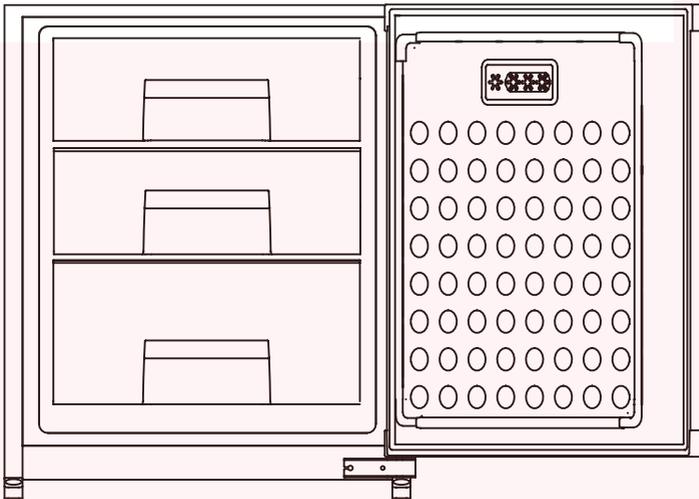
Recommended preservation period and quality guarantee period for various food

Food	preservation period(month)	quality guarantee period(month)
chicken,beef,mutton,shrimp	4	9
dumpling,frozen bun,spareribs,ice cream	4	6
cake,bread ,sliced meet,cheese	2	6
crab,sea food,sausage ,ice cream	1	3

Please refer to the instructions on the package of the food manufacturer or the professional manual .
The specific storage time depends on the quality of the food, the pre- treatment before freezing and the different requirements of each family for the food quality.

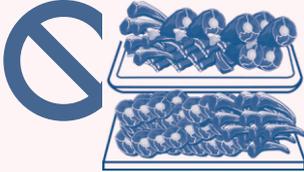
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Attentions for food storage in freezer compartment

Do not place too much food inside freezer compartment



Do not place too much fresh food inside freezer compartment, please refer to the frozen capacity data of the refrigerator.

Do not place hot food in freezer compartment



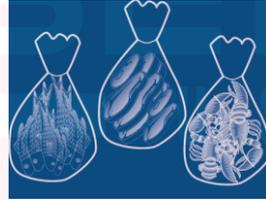
Please cool the hot food to room temperature before placing into freezer compartment.

Divide food into proper portions



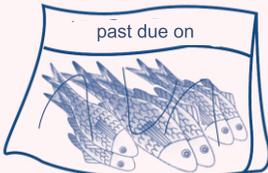
Small portions of food with no more than 2.5kg in weight are easily to be frozen and unfrozen.

Food need to be packed before placing into freezer compartment



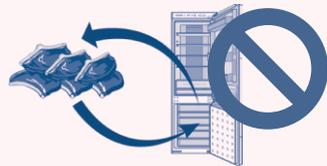
The outside package of food need to be dry to avoid frozen of food. The package should be no smell, air proof, water proof, no toxicity, no pollution to avoid the smell pollution and quality decrease of food.

The food should be dated according to storage period



The frozen date and period should be marked on package according to storage period of various food in order to avoid the food being spoiled.

Avoid the repeat frozen of food



In principle, only take out the quantity of food that need to do unfrozen. The frozen food can not be frozen again unless it has been cooked, or else the food quality will be reduced.

Clean refrigerator

The food inside refrigerator will lead to odor, so the refrigerator need to be cleaned regularly.

The steps for cleaning

1. Pull out the power plug to cut off the power supply.
2. Clean the freezer with soft tissue or sponge saturated with warm water or neutral detergent.



Do not use hard brush, steel wire brush, organic solvent such as decontamination powder, gasoline, banana oil, acetone, hot water or acid, soda to clean the refrigerator.

3. Use dry cloth to clean the water on surface of refrigerator.



When clean refrigerator, do not use water to spray over refrigerator to avoid leakage accident. Please use dry cloth to clean the electrical components such as switch and LED light.

Tips: The door seal strip is easy to get dirty, please keep it clean.



During the process of manual defrosting, maintenance or cleaning, the temperature rise of refrigerator food may lead to shortening of storage period.

The freezer compartment is automatically defrosted, no need for manually defrosting.



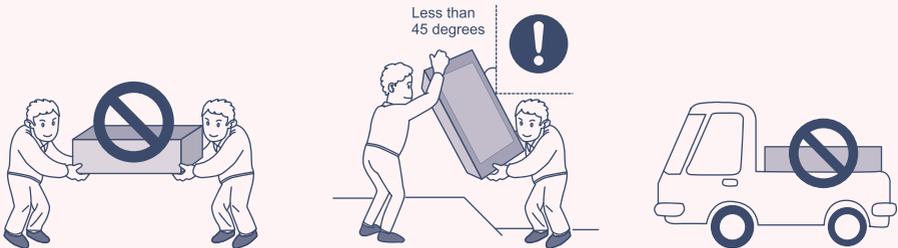
Do not use mechanical devices or other methods to accelerate the defrosting process, except those recommended by the manufacturer.

Transportation of refrigerator

1. Press power button for 3 seconds to cut off the power supply, then pull the power plug out of socket.
2. Remove all foods from refrigerator.
3. Use adhesive tapes to fix the moving parts such as drawers, shelves, crisper boxes, ect.
4. Close refrigerator door and fix the door with adhesive tapes to avoid door open in transportation.
5. The inclination during transportation should be less than 45 degrees to ensure that no damage to the cooling system occurs.



The refrigerator can not be laid down.



Out of service of the refrigerator

How to deal with power cut

- Even in summer, food can be stored without any problem for 10 hours after power cut.
- Don't put any new food in after the power cut. Try not to open the refrigerator door.
- If you know you are going to lose power, you can make more ice with a watertight container and place it on top inside of the freezer.



Caution

A temperature rise in the freezer due to power outages or other failures can shorten the storage period and reduce the quality of food.

On holiday

- If it is a short holiday, please take out perishable food, adjust the temperature to a proper gear, and close the refrigerator door after confirmation
- If it is a long holiday, please cut off the power, and take out food. After defrosting, clean and dry the inside of refrigerator, and then open the door, so that prevent the trace food residue in the refrigerator from producing bad smell.

Not in use

- If the refrigerator needs to stop using for a long time, remove the power plug, cut off the power and clean the refrigerator as described above.
- Open the door of the refrigerator when it is not in use to prevent the trace food residue in the refrigerator from producing bad smell.



Caution

- When the power is unplugged, leave a gap of at least 5 minutes before switching on again.
- In general, do not stop using the refrigerator, so as not to affect the service life of the refrigerator.



Warning

- When the appliances are scrapped, they should be properly disposed or handled by professionals and should not be discarded to avoid environmental hazards or other hazards.



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