

- Images are for reference only. Products are subject to change without notice.
- Please read the instruction manual carefully before use and keep it for future reference.

TCL

P650SBG

USER MANUAL

REFRIGERATOR

PLEASE READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE

Contents

Thank you for purchasing a TCL refrigerator.

We hope you enjoy using your new TCL refrigerator. We are committed to providing you with excellent service.

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1. **T**his 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 the use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

2. **I**f the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. **T**his appliance can be used by children aged 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 the safe use of the appliance and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

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

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

6. **WARNING:** Do not damage the refrigerant circuit.

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

8. **D**o not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

9. **T**his 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.

10. **T**his product contains a light source of energy efficiency class F for light source ERP, test with(without) light cover.

1.Warning

Warning: No barrier should be placed around the appliance or within the built-in structure to ensure free ventilation.

Warning: It is forbidden to speed up the defrosting process using any mechanical equipment or by any method other than that recommended by the manufacturer.

Warning: Do not damage the refrigerant circuit.

Warning: Do not use any electrical appliances inside the food chamber of the appliance unless they are of the type recommended by the manufacturer.

Warning: Do not place liquid beverages or food contained in glass containers in the freezing chamber to prevent breakage and shattering.

Warning: If the refrigerator is powered off, it should be powered on again 5 minutes later to prevent damage to the compressor.

Warning: If any live part, abnormal noise, smell, smoke, or other abnormalities are noticed during use, it is essential to immediately power off the appliance and promptly contact the after-sales service department of the company.

Warning: Avoid placing your finger or hand under the refrigerator, especially at the rear bottom, as sharp objects may cause injury.

Warning: Children must not play or climb on the refrigerator. Parents must supervise children to prevent potential danger.

Warning: Avoid placing your hand between the doors to open or close them to prevent jamming your fingers. Always use the door handle to open or close the door.

For refrigerating appliances with climate class

Depending on the climate class, This refrigerating appliance is intended to be used at ambient temperatures range as specified following table.

The climate class can be found on the rating plate. The product may not operate properly at temperatures outside of the specific range.

You can find climate class on label inside of your refrigerator.

Effective temperature range

The refrigerator is designed to operate normally in the temperature range specified by its class rating.

Class	symbol	Ambient Temperature range (°C)
Extended Temperate	SN	+10 to +32
Temperate	N	+16 to +32
Subtropical	ST	+16 to +38
Tropical	T	+16 to +43

NOTE

The cooling performance and power consumption of the refrigerator may be affected by the ambient temperature, the door-opening frequency, and the location of the refrigerator, We recommend adjusting the temperature settings as appropriate.



Warning: Risk of fire / flammable materials

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

Warning: Avoid placing multiple portable socket outlets or power supplies at the rear of the appliance.

Children aged from 3 to 8 years are allowed to load and unload refrigerating appliances

Prolonged door opening can lead to a significant increase in temperature within the appliance compartments.

Regularly clean surfaces that come into contact with food and accessible drainage systems.

Clean water tanks if they have not been used for 48 hours; flush the water system connected to a water supply if water has not been drawn for 5 days.

Store raw meat and fish in suitable containers in the refrigerator to prevent contact with or dripping onto other food.

Two-star frozen-food compartments are suitable for storing pre-frozen food, storing or making ice-cream and making ice cubes.

One-, two-, and three-star compartments are not suitable for freezing fresh food.

If the refrigerating appliance is left empty for extended periods, switch it off, defrost, clean, dry, and leave the door open to prevent mould development within the appliance.

2. Cautions

Cautions: The power supply for this product must match the power supply stated on the nameplate, and a standard independent 3-hole socket rated above 10A and reliably grounded must be used. Avoid sharing one socket among multiple appliances to prevent overheating and potential fire hazards.

Cautions: Avoid pulling the power wire by hand. Always hold and unplug the power connector from the socket to disconnect the power supply.

Do not touch the power wire or connector with wet hands to prevent the risk of electric shock.

Cautions: Do not allow the power wire to be squeezed by the refrigerator or any heavy load, and avoid extreme bending of the power wire.

Damage or peeling of the power wire may lead to fire or electric shock hazards.

If the power wire is broken or cut, please contact the after-sales service department immediately for assistance.

Cautions: Do not store any flammable or explosive materials, corrosive acids, or alkaline substances in the refrigerator.

Cautions: Do not use the refrigerator in rainy conditions or under direct sunlight.

Cautions: Do not place containers with fluids on the refrigerator, as breakage or overturning of the container may compromise the electrical insulation of the refrigerator, leading to electric shock or fire hazards.

Cautions: The refrigerator must not be disassembled or modified without permission. The repair of refrigerator must be performed by the specialist.

Cautions: In the event of a leakage of any flammable gas such as coal gas, first, close the leaking valve, then open the window for ventilation. Do not unplug the refrigerator connector immediately to avoid the risk of fire or explosion due to electric sparks.

Cautions: Refrigerating appliances, especially refrigerator-freezers Type I, may not operate consistently if sited for an extended period below the cold end of the temperature range for which the appliance is designed. This may result in defrosting of contents or the temperature becoming too warm in the frozen food compartment.

Cautions: Effervescent drinks should not be stored in food freezer compartments or cabinets, or in low-temperature compartments or cabinets. Additionally, some products, such as iced water, should not be consumed when excessively cold.

Cautions: Do not exceed the storage times recommended by food manufacturers for any kind of food.

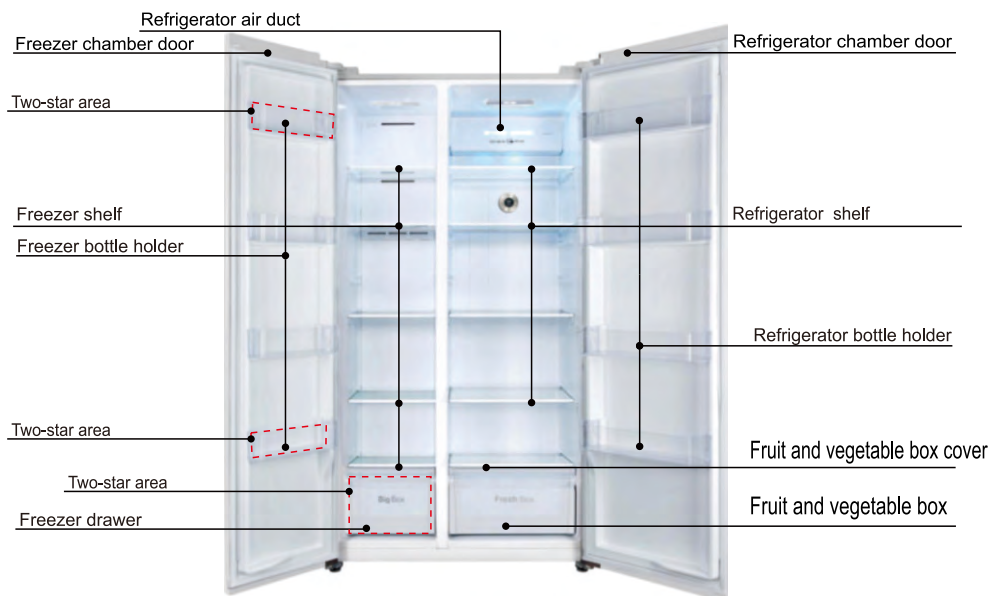
Cautions: Take precautions to prevent an undue rise in the temperature of frozen food while defrosting the refrigerating appliance.

Cautions: The rise in temperature of frozen food during manual defrosting, maintenance, or cleaning may reduce its storage life.

Cautions: Ensure proper care for frozen food storage during extended periods when the refrigerating appliance is not running, such as during a power outage or refrigeration system failure.

Cautions: Steps to take when temporarily or permanently switching off the refrigerating appliance include emptying, cleaning, and drying it, and propping the door(s) or lid(s) ajar.

Product introduction



The pictures are for reference only. Please refer to the object

Features

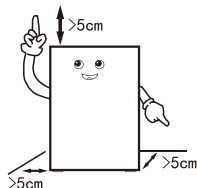
- Intelligent temperature control by computer, fan-cooled and frost-free
Computer temperature control is adopted, visual operation, intelligent and convenient; equipped with fan-cooled and frost-free system, safe and efficient;
- Green and environmental friendly refrigerator
CFC-free materials are adopted, green and environmental friendly material R600a, 80% main materials can be recycled;
- - Generate air by swinging left and right, uniform cooling;
- 630mm ultra-thin machine body, easy in and out;
- Frequency conversion technology;

Friendly reminder:

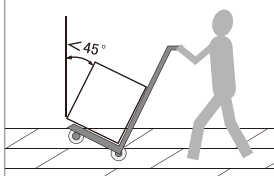
If your product is an improved product, it may differ slightly from the instructions provided. However, rest assured that its performance and application method remain unchanged. You can confidently proceed with its usage.

Handling and placement

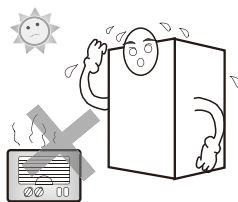
Certain space shall be left around the refrigerator, shown in the figure.



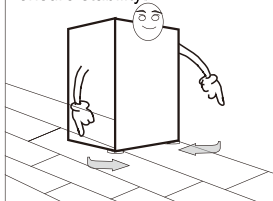
While handling, avoid contact between the refrigerator door side and handling tools.



Position the refrigerator in a dry, well-ventilated area, away from direct sunlight and heat sources.



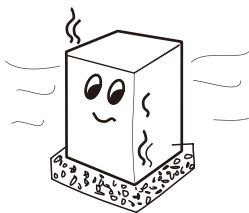
Place the refrigerator on a flat and stable surface. If the ground is uneven, adjust the leveling legs to ensure stability.



Avoid placing the refrigerator in excessively cold environments where freezing may occur.



Removing the foam base aids in bottom heat dissipation and reduces the risk of fire.



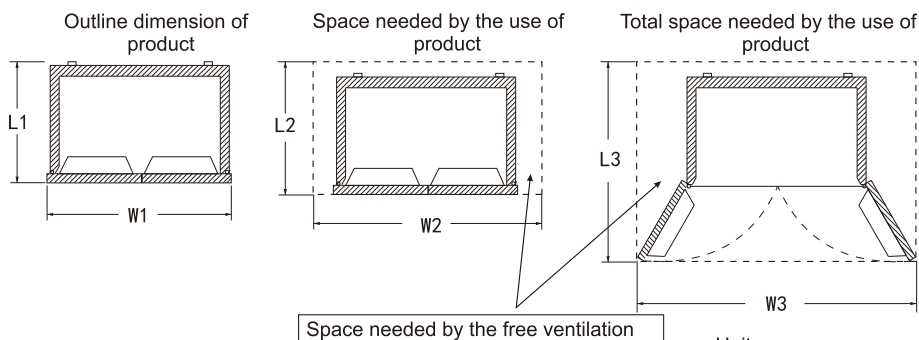
Friendly reminder:

- When handling the refrigerator, at least two persons are required: one to lift the top of the rear part, and the other to handle the bottom. If one part alone is clamped, it can be dangerous and may cause accidents.
- When moving the refrigerator, the lower runner may damage and scratch the floor. If you need to move the refrigerator over a long distance, use adhesive tape to secure the internal accessories to prevent them from getting damaged by crashing into each other.
- Place the refrigerator in a position with minimal vibration or where it is least exposed to vibration. For users in areas prone to earthquakes, ensure the refrigerator is fixed against a wall or pole to prevent accidents.
- Leave sufficient clearance around the refrigerator. If the clearance is too small or if goods are placed on top or too close to the sides, or if items are pasted onto the sides, it can affect the refrigerator's heat dissipation, leading to unnecessary electricity wastage and potential damage to walls and other items. Contact between the back of the refrigerator and the wall can also cause vibration and noise.
- Adjust the front part and adjusting leg of the refrigerator to level it. An unlevel refrigerator can cause vibration and noise.

Handling and placement

This refrigerating appliance is not intended to be used as a built-in appliance

The outline dimension of the product and the space needed by the use of product are shown in the following pictures:



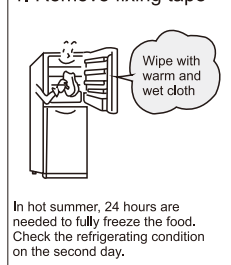
Unit : mm

Outline dimension of product		Space needed by the use of product		Total space needed by the use of product	
L1	W1	L2	W2	L3	W3
735	920	>L1+50	>W1+100	>L1+380	>W1+600

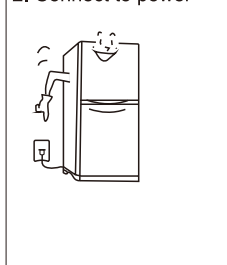
Preparations prior to use

1. Remove all packing assemblies such as case fixing tape etc., especially the foam base.
2. Use warm wet cloth to clean both interior and exterior of the refrigerator, (neutral detergent can be added in warm water).
3. After leveling and cleaning the refrigerator, stand it for about 2 hours before plugging the power plug for powering on, and cool the refrigerator for 2 to 3 hours before storing foods.

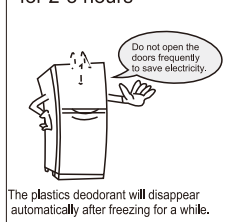
1. Remove fixing tape



2. Connect to power



3. Store food after connecting to power for 2-3 hours



The appliance should be located in the coolest area of the room, away from heat producing appliances or heating ducts, and out of the direct sunlight.

Let hot foods cool to room temperature before placing in the appliance. Overloading the appliance forces the compressor to run longer. Foods that freeze too slowly may lose quality, or spoil.

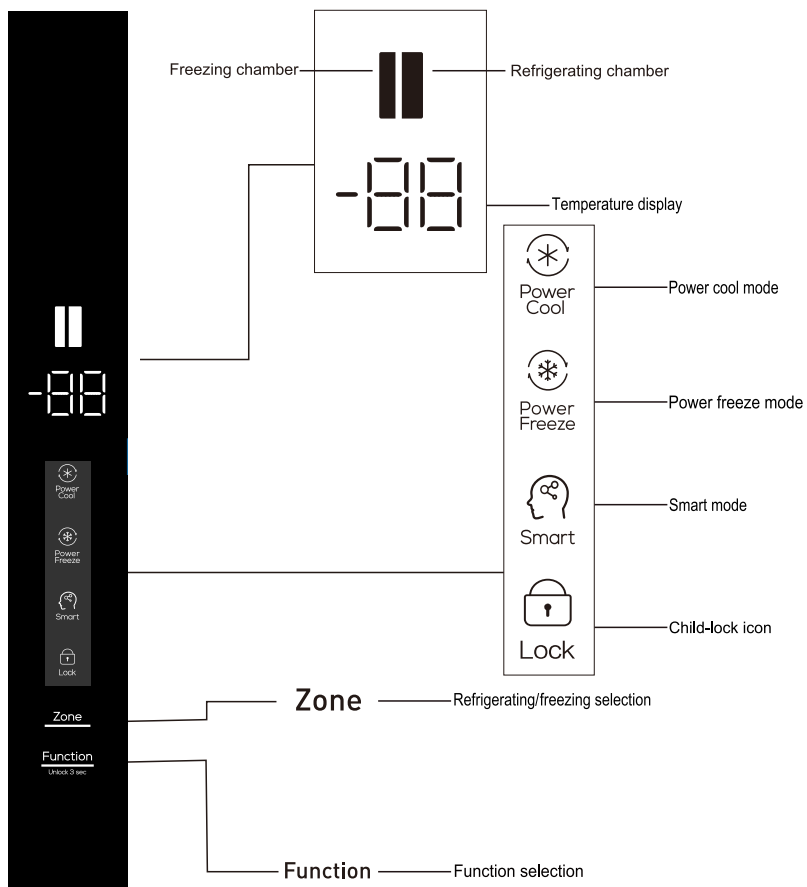
Be sure to wrap foods properly, and wipe containers dry before placing them in the appliance. This cuts down on frost build-up inside the appliance.

Appliance storage bin should not be lined with aluminum foil, wax paper, or paper toweling. Liners interfere with cold air circulation, making the appliance less efficient.

Organize and label food to reduce door openings and extended searches. Remove as many items as needed at one time, and close the door as soon as possible.

Please refer to the product introduction picture on page 5 for the placement of accessories.

Operation keys



Operation keys

First time to electricity

The first time to electricity, the cooling room runs at the 5°C and the freezing room runs at the -18°C

The function of adjusting the temperature manually

Temperature adjustment in cooling room(2°C~8°C)

Under unlock status, long press “  ” key for 3 seconds until the icon switches to refrigerator compartment.

Press “  ” key to adjust temperature in refrigerator compartment. And then the temperature drops by 1°C every time press “  ” key. The shift of refrigerator compartment stalls recycles around "08" - "07" - "06" - "05" - "04" - "03" - "02" - "0F" - "08". Stop button operation and wait for 5 seconds after appropriate temperature is selected, and then set the temperature shift for confirmation.

Temperature adjustment of freezer compartment (-22°C~-15°C)

Under unlock status, long press “  ” key for 3 seconds until the icon switches to freezer compartment.

Press “  ” key to adjust temperature in freezer compartment. And then the temperature drops by 1°C every time press “  ” key. The shift of freezer compartment stalls recycles around "-15" - "-16" - "-17" - "-18" - "-19" - "-20" - "-21" - "-22" - "-15". Stop button operation and wait for 5 seconds after appropriate temperature is selected, and then set the temperature shift for confirmation.

Quick refrigerating function

Under unlock status, repeatedly press “  ” key until the “  ” icon flashes. Stop key operation and wait for 5 seconds to enter quick refrigerating function of refrigerator compartment. Manually exit quick refrigerating function through the same operation. Automatically exit quick refrigerating function after two hours.

When the “  ” function is on, set temperature to 2°C for refrigerator compartment, until the function exits. (Under quick refrigerating status, adjust set temperature of refrigerator compartment to automatically exit quick refrigerating function. Open refrigerator door over three minutes exit quick refrigerating over three minutes exit quick refrigerating function under quick refrigerating status.)

Quick freezing function

Under unlock status, repeatedly press “  ” key until the “  ” icon flashes. Stop key operation and wait for 5 seconds to enter quick freezing function of freezer compartment. Manually exit quick freezing function through the same operation. Automatically exit quick freezing function after four hours in high freezing status.

When the “  ” function is on, set temperature to -24°C for freezer compartment, until the function exits. (Under quick freezing status, adjust set temperature of freezer compartment to automatically exit quick freezing function. Open freezer door over three minutes exit quick freezing function under quick freezing status.)

Operation keys

Intelligent function

Under unlock status, repeatedly press “  ” key until the “  ” icon flashes. Stop key operation and wait for 5 seconds to enter intelligent function. Manually exit intelligent function through the same operation. When the “  ” function is on, the refrigerator will automatically monitor the status of all compartments and run efficiently. Under intelligent status, the refrigerator can automatically enter quick-refrigerating or quick freezing function according to the temperature in refrigerator and freezer compartments. (Setting other functions under intelligent status can automatically exit intelligent function.)

Child lock function

Under unlock status, enter “  ” function:

Automatically on: the child lock function is automatically on after no key operation for 30 seconds, “  ” icon is lit, and the key board is locked;

Exit child lock: when the “  ” icon is lit, long press “  ” key for 3 second to unlock.

Refrigerating close function

Under unlock status, long press “  ” key for 3 seconds until the temperature icon switches to refrigerator compartment, long press “  ” key to adjust temperature for refrigerator compartment. Stop key operation and wait for 5 seconds when the shift of refrigerator compartment is at "OF" to enter refrigerating close function. Refrigerating close function exits when the shift of refrigerator compartment is not at "OF". (Setting other functions under refrigerating close status can automatically exit refrigerating close function. Attention: take the food out of refrigerator compartment before the refrigerating close function is on.)

The refrigerator compartment enters close status when the “Refrigerating close” function is on.

Power-off memory

When the power is cut off, the instantaneous working state of blackout will be locked and resume the state after power on.

Door alarm

When the refrigerator or freezer door is not well closed or open for over 1 minute, the buzzer siren will send off sound. Press down any key to stop alarming and the siren sounds “beep, beep, beep” again after 1 minute; close refrigerator or freezer door to stop alarming.

Freezer compartment temperature reminder

When the temperature of freezer compartment is higher than -12°C , the corresponding temperature area is lit, the digital area flashes. Press down any key to display temperature of freezer compartment when the power is on, press again or wait for 10 seconds to restore normal display state.

Display protection function

The refrigerator will enter display protection function without any key operation for 30 seconds, and the key board is locked automatically. Under display protection mode, press any key to exit display protection function.

Operation keys

Food storage

Refrigerating chamber (2°C~8°C)

- The refrigerating chamber is mainly used for storing short-term foods, like milk, eggs and bottled drink.
- Vegetables, melons and fruits shall be put into the fruit and vegetable box to prevent water loss.
- The cooked foods shall be put into the refrigerator after packaging with the preservative bags, to prevent the back from frosting and the power from increasing.

Freezing chamber (-22°C~-15°C)

- The freezing chamber is used for the foods to be stored for long-term.
- Fish and meat to be frozen shall be cut into small pieces, packaged with preservative bags separately and then put into the frozen drawer.
- The glass container or the sealed container filled with liquid shall not be stored in the freezing chamber, to prevent the risk of burst due to freezing.
- The fresh foods shall not be stored together with the frozen foods.
- Do not place food close to inside wall in freezer lest food and wall should be frozen together.

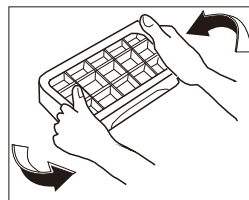
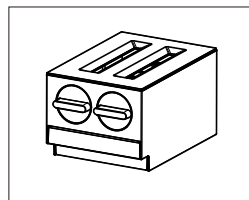
★★ Warm tips:

The stored food, if any, shall not block the air duct outlet and return port for fear of affecting the refrigerating effect.

Before being stored in the refrigerator, the overheated water and food shall be cooled to the room temperature.

Ice-making (If the appliance has it)

Fill the ice-making box with 4/5 water and put the box into the freezing chamber. After the water in the box turns into ice, twist the box slightly to separate the ice from the box. However, don't bend the box. When separating the ice, wrap the box with dry box to avoid finger frostbite.



Operation keys

Disassembly and assembly method of accessory

--Glass shelf in the refrigerating chamber: the height of the shelf is adjustable, which facilitates the storage of articles with different volumes. Pull the shelf outwardly and upwardly in a slight way to take out.

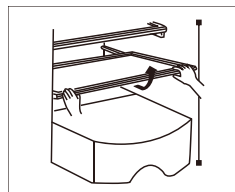
--Fruit and vegetable box: for storing vegetables and fruits. It can be taken out by pulling outwardly.

--Drawer in the freezing chamber: storing foods to be preserved for long-term, such as meat and fish. It can be taken out by pulling outwardly and lifting upwardly.

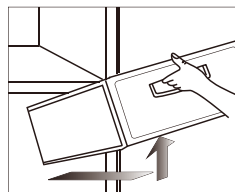
Kindly tips: It is recommended to put into the large piece of meat after being cut into small pieces, to avoid difficult cutting after being frozen. The quick-freezing foods shall be distributed uniformly and stored together after being frozen.

--Bottle pedestal at the refrigerating door: storing eggs, various bottled drinks and other sundries. It can be taken out by being lifted up slightly.

Note: when disassembling the bottle pedestal in the refrigerating door, avoid pulling it out forcibly to prevent damage to the refrigerator.



Take out by pulling upwardly and outwardly in a slight way



Remove by gently pulling it outward and upward.

Changing the Light

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

Care and Maintenance

It is recommended to perform refrigerator maintenance once a month.

Use a damp cloth or neutral detergent (cleanser essence) to wipe away any oil contamination and dirt. After cleaning, ensure to thoroughly wipe off any residue of the detergent.

--Do not use alkaline detergent, soap powder, gasoline and alcohol, talcum powder etc.; otherwise the coats or plastics may be damaged;

--Regularly clean the refrigerator body and clear the ground dusts to keep the refrigerator clean.

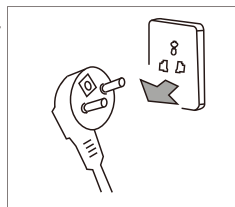
Inspections after maintenance:

Check for any damages to the power line and plug. Look for dust on the power plug. Feel for abnormal heat on the plug. Check if the socket is loose. Ensure that the plug is fully inserted.

Note:

If the power line and plug are damaged and there is dust present, there is a risk of electric shock or fire.

After unplugging the plug, 5 minutes must pass before re-plugging it; Do not put your hands under the refrigerator to avoid getting hurt.



Unplug the refrigerator plug before cleaning



Please use neutral detergent

Failure analysis

The following items shall be inspected before occurring failures which require maintenance:

Failures: Refrigerator does not work, The refrigeration effect is poor

Causes:

1. Check the connection of the power supply.
2. Check whether the refrigerator is exposed to direct sunlight or if there is a heat source nearby.
3. Check whether there is adequate heat dissipation space around the refrigerator.

Remedies:

1. Ensure the power supply is properly connected.
2. Move the refrigerator to a location without direct sunlight or heat sources nearby.
3. Leave adequate space between the refrigerator and the wall for proper heat dissipation.

Failures: Foods in refrigerating chamber are frozen

Causes: 1. Check whether the bottom of refrigerator is too low. 2. Additionally, rearrange foods with high water content to the door side of the glass shelf.

Remedies: 1. Adjust the temperature settings accordingly to ensure they are adequately increased. 2. Rearrange foods with high water content to the door side of the glass shelf.

Failures: There is abnormal sound in refrigerator

Causes: 1. Check whether the bottom of refrigerator is stable. 2. Check whether the refrigerator is too close to the wall. 3. Check whether the refrigerator touches other objects.

Remedies: 1. Adjust the bottom adjusting leg to stabilize the refrigerator. 2. Leave sufficient space around refrigerator. 3. Remove the obstacles.

Failures: There is abnormal odor in refrigerator

Causes: 1. Check whether the foods are sealed for storage. 2. Check whether the refrigerator is clean. 3. Check whether the foods have been stored for too long.

Remedies: 1. Sealed foods for storage. 2. Regularly clean the refrigerator. 3. Do not store foods for too long.

Non-failures

Phenomenon: The surface between the refrigerating chamber and freezing chamber feels warm or hot on two sides and the spacing part.

Cause: The refrigerator pipes (such as condenser and anti-fog pipes) are located on two sides and the front part of the refrigerator for heat dissipation and to prevent condensation.

Phenomenon: The refrigerator door is too tight and not easy to open.

Cause: When the refrigerator door is closed and immediately reopened, hot air enters the refrigerator and contracts, creating a pressure difference. This makes it difficult to open the door immediately, but it becomes easier after some time.

Phenomenon: Water ripples are observed in the refrigerator.

Cause: The sound of water ripples can occur when the compressor starts or stops, as well as when water is produced during the defrosting process.

Phenomenon: There is a humming sound in the refrigerator.

Cause: The compressor running produces this sound. If the refrigerator is not leveled, the sound may be louder. Additionally, the shrinkage and swelling of the case, especially when it's cold or the door is opened, can also contribute to this sound.

Phenomenon: Condensation or frosting is observed on the freezing chamber door surface or food surface.

Cause: High temperature or humidity around the refrigerator; prolonged opening of the door; foods with high water content that are not sealed or tightly wrapped.

Phenomenon: Condensation is present on the built-in light surface.

Cause: The light generates heat when illuminated, and if the door is left open for an extended period, a temperature difference occurs, leading to condensation on the light case.

Phenomenon: Condensation and water mist are present on the refrigerator body.

Cause: High humidity around the refrigerator causes moisture in the air to accumulate in the case, resulting in condensation.

Technical parameter

Climate type	SN/N/ST					
Electric shock resistance	I					
Star sign	***					
Total Volume	633L					
Fresh food compartment	398L					
Volume of freezer	192L					
Volume of two-star section	43L					
Power type	220-240V~/50Hz					
Rated current	1.2A					
Lamp power	3W					
Weight	100.4kg					
Dimension (W x D x H mm)	920x735x1768					
Refrigerant and charge amount	R600a,84g					
Noise level (dB(A) re 1 pW)	41					
Energy consumption E16	0.71kWh/24h					
Energy consumption E32	1.746 kWh/24h					
Annual energy consumption AE	448 kWh/a					

Packing list

Refrigerator shelf	4					
Freezer shelf	5					
Fruit and vegetable box cover	1					
Fruit and vegetable box	1					
Ice-making box	1					
Egg box	1					
Refrigerator bottle bracket	4					
Freezer bottle bracket	4					
Freezer drawer	1					
Operating instruction	1					

Safe recovery instructions

Disposal

Old appliances still have some surplus value. An environmentally friendly approach will ensure that valuable raw materials are recycled.

The refrigerants used in your equipment and insulation materials require special handling procedures. Make sure there is no pipe damage on the back of the equipment before handling. Up-to-date information on the options for disposing of old equipment and packaging from old equipment can be obtained from the local municipal office.

Correct Disposal of this product.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Description of climate types

Table 1 Climate classes

Class	Symbol	Ambient temperature ranges°C
Extended temperate	SN	+ 10 to + 32
Temperate	N	+ 16 to + 32
Subtropical	ST	+ 16 to + 38
Tropical	T	+ 16 to + 43

Extended temperate: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 10 °C to 32 °C';

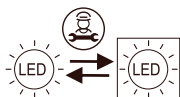
temperate: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 °C to 32 °C';

Subtropical: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 °C to 38 °C';

Tropical: 'this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 °C to 43 °C';

Dear customer

if you need customer service, please check warranty card for further information.



Replaceable (LED only) light source by a professional

