

# GRAM

KS 5406-90F/FX

Refrigerator

User Guide



**Please read this user guide first!**

Dear customer,

Your product has been produced in modern plants and checked under the most meticulous quality control and we hope that it will provide you with an effective service.

We recommend you to carefully read the entire user guide before using your product and to keep the user guide at hand for future references.




**This user guide**

- Will help you to use your appliance in a fast and safe way.
- Read the user guide before installing and operating your product.
- Follow the instructions, especially those for safety.
- Keep the user guide in an easily accessible place as you may need it later.
- Besides, read also the other documents provided with your product.

Please note that this user guide may be valid for other models as well.

**Symbols and their descriptions**

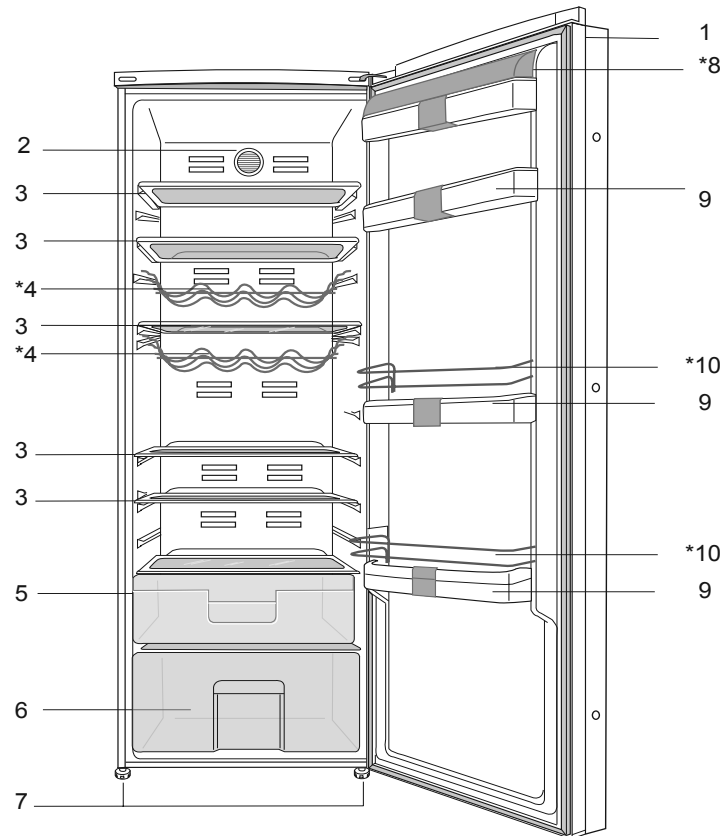
This user guide contains the following symbols:

-  Important information or useful tips.
-  Warning against dangerous conditions for life and property.
-  Warning against electric voltage.

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## 1 Your refrigerator



- |   |                             |
|---|-----------------------------|
| <b>1.</b> Control panel (Display on the door) | <b>7.</b> Adjustable legs   |
| <b>2.</b> Fan                                 | <b>8.</b> Dairy compartment |
| <b>3.</b> Removable glass shelves             | <b>9.</b> Door shelves      |
| <b>4.</b> Wine shelf                          | <b>10.</b> Chrome wire      |
| <b>5.</b> FreshZone                           |                             |
| <b>6.</b> Vegetable drawer                    |                             |

\* OPTIONAL

## 2 Important Safety Warnings

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Please review the following information. If these are not followed, personal injury or material damage may occur and, all warranty and reliability commitments will become invalid.

### Intended use

- This product is designed for domestic use.
- It should not be placed outdoors. It is not appropriate to use it outdoor even if the place is covered with a roof.

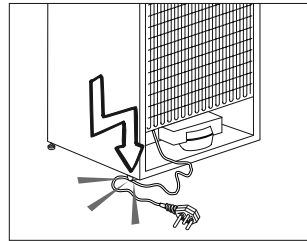
### General safety

- When this product is worn-out you must not treat it as household waste. Instead it has to be handed over to the existing place of collection for the recycling of electrical and electronic equipment.
- Consult GRAM service for all your questions and problems related to the refrigerator.
- Vapor and vaporized cleaning materials should never be used in cleaning and defrosting processes of your refrigerator. In such cases, the vapor might get in contact with the electrical parts and cause short circuit or electric shock.
- Never use the parts on your refrigerator such as the door as a means of support or step.
- Do not damage the cooling circuit, where the refrigerant is circulating, with drilling or cutting tools. The

refrigerant that might blow out when the gas channels of the evaporator, pipe extensions or surface coatings are punctured may cause skin irritations and eye injuries.

- Do not cover or block the ventilation holes on your refrigerator.
- Repairs of the electrical appliances must only be made by authorised technicians. Repairs performed by unauthorised people may cause a risk for the user.
- In case of any failure, maintenance or repair, disconnect your refrigerator's mains supply by either turning off the relevant fuse or unplugging your appliance.
- Do not pull the cable when pulling off the plug.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not operate a damaged refrigerator. Consult GRAM service if you have any doubts.
- Electrical safety of your refrigerator shall be guaranteed only if the earth system in your house complies with standards.
- Exposing the product to rain, snow, sun and wind is dangerous with respect to electrical safety.

- Contact GRAM service when there is a power cable damage, etc. so that it will not create a danger for you.
- Never plug the refrigerator into the outlet during installation or a risk of death or serious injury may arise.
- This refrigerator is only designed for storing food. It should not be used for any other purposes.
- The label that describes the technical specification of the product is located on the inner left side of the refrigerator.
- Do not connect the refrigerator to electronic energy saving systems which turn off the electricity as they may damage the product.
- If the power supply is disconnected in manually controlled refrigerators please wait for at least 5 minutes before reconnecting the power.
- This user guide should be passed on to the next owner of the refrigerator if the ownership changes.
- When moving the refrigerator make sure that you do not damage the power cord. In order to prevent fire the power cord must not be twisted. Heavy objects should not be placed on the power cord. When the refrigerator is plugged into the socket do not handle the power outlet with wet hands.



- Do not connect the refrigerator if the electric outlet is loose.
- Do not splash water directly on the outer or inner parts of the refrigerator.
- Do not spray inflammable materials such as propane, gas, etc. near the refrigerator due to the risk of fire and explosion.
- Do not place objects filled with water on top of the refrigerator as it may result in electric shock or fire.
- Do not overload the refrigerator with excess food. The excess food may fall out when the door is opened resulting in injuring you or damaging the refrigerator. Do not place objects on top of the refrigerator as the objects may fall down when opening or closing the refrigerator door.
- If the refrigerator will not be operated for an extended period of time it should be unplugged. A problem in the electrical cable insulation may result in fire.
- The refrigerator may move when the adjustable legs are not positioned firmly on the floor. Using the adjustable legs you can ensure that the refrigerator is positioned firmly on the floor.

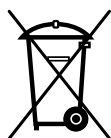
- Do not pull the refrigerator by the door handle when moving the product as it may disconnect the handle from the refrigerator.

### Child safety

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

### Compliance with WEEE Directive and Disposing of the Waste Product:

This product complies with EU WEEE Directive (2012/19/EU). This product bears a classification symbol for waste electrical and electronic equipment (WEEE). This product has been manufactured with



high quality parts and materials which can be reused and are suitable for recycling. Do not dispose of the waste product with normal domestic and other wastes at the end of its service life. Take it to the collection center for the recycling of electrical and electronic equipment. Please consult your local authorities to learn about these collection centers.

### Compliance with RoHS Directive:

The product you have purchased complies with EU RoHS Directive (2011/65/EU). It does not contain harmful and prohibited materials specified in the Directive.

### Package information

Packaging materials of the product are manufactured from recyclable materials in accordance with our National Environment Regulations. Do not dispose of the packaging materials together with the domestic or other wastes. Take them to the packaging material collection points designated by the local authorities.

### HCA Warning

- **Your product is equipped with a cooling system that contains R600a:**

This gas is flammable. Therefore, pay attention not to damage the cooling system and piping during usage and transportation. In the event of damage, keep your product away from potential fire sources that can cause the product catch a fire and ventilate the room in which the unit is placed.

### Energy-saving precautions

- Do not leave the door of your refrigerator open for a long time.
- Do not overload your refrigerator so that the air circulation inside of it is not prevented.
- Do not install your refrigerator under direct sunlight or near heat emitting appliances such as ovens, dishwashers or radiators.
- Pay attention to keep your food in closed containers.

### 3 Installation

⚠ Please remember that the manufacturer shall not be held liable if the information given in the user guide is not observed.

#### Points to be considered when re-transporting your refrigerator

1. Your refrigerator must be emptied and cleaned prior to any transportation.
2. Shelves, accessories, and etc. have to be fastened securely by adhesive tape against any jolt before repackaging.
3. Packaging must be tied with thick tapes and strong ropes and the rules of transportation printed on the package must be followed.

#### Please do not forget...

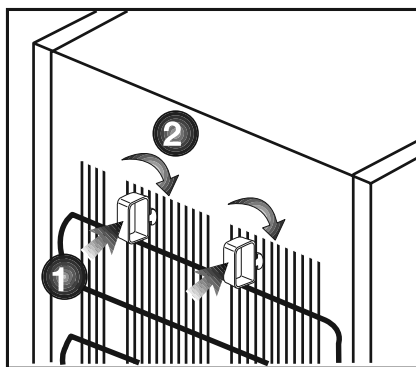
That recycled material is an indispensable source for the nature and for our national resources. If you would like to contribute to the recycling of the packaging materials, you can get further information from the environmental bodies or local authorities.

#### Before operating your refrigerator

Before starting to use your refrigerator check the following:

1. The interior of the freezer has to be dry and it is possible for the air to circulate freely at the back of the appliance.

2. You can install the 2 spacers as showed in the illustration. The spacers will provide the required distance between your refrigerator and the wall in order to allow the air to circulate. (The illustration is only an example and does not match exactly with your product.)



3. Plug the refrigerator into the outlet. When the door is open the interior light in the refrigerator compartment will be switched on.
4. You will hear a noise as the compressor starts up. The liquid and gases sealed inside the refrigeration system may also give rise to noise, even if the compressor is not running and this is quite normal.
5. The front edges of the refrigerator may feel warm. This is normal. These areas are designed to be warm to avoid condensation.




## Electric connection

Connect your product to a grounded socket which is protected by a fuse with the appropriate capacity.

Important:

- The connection must be in accordance with the national regulations.
- The power cable plug must be easily accessible after installation.
- Extension cords and connector must not be used for connection.

 A damaged power cable must be replaced by a qualified electrician.

## Disposing of the packaging

The packaging may be dangerous for children. Keep it out of the reach of children or dispose of it by classifying it in accordance with the waste instructions. Do not dispose of it together with the normal household waste.

The packaging of your refrigerator is made from recyclable materials.

## Disposing of your old refrigerator

Dispose of your old refrigerator without harming the environment.

- You may consult your authorized retailer or the recycling depot in your municipality about the disposal of your refrigerator.

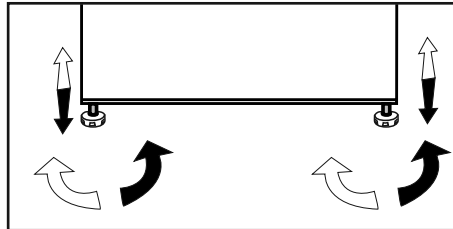
Before disposing of your refrigerator, cut out the electric plug and, if there are any locks on the door, make them inoperable in order to protect children against any danger.

## Placing and installation

1. There must be appropriate air ventilation around your refrigerator in order to achieve an efficient operation.
2. Place your refrigerator on an even floor surface to prevent jolts.
3. Do not keep your refrigerator in ambient temperatures under 10°C.

## Adjusting the legs

If your refrigerator is unbalanced you can balance your refrigerator by turning the front legs as shown in the illustration below. The corner where the leg exists is lowered when you turn it in the direction of the black arrow and raised when you turn it in the opposite direction. Getting help from someone to slightly lift the refrigerator will facilitate this process.



## Changing the door opening direction

Door opening direction of your refrigerator can be changed according to the instructions. Please contact GRAM service, if it is necessary to change the door opening direction.

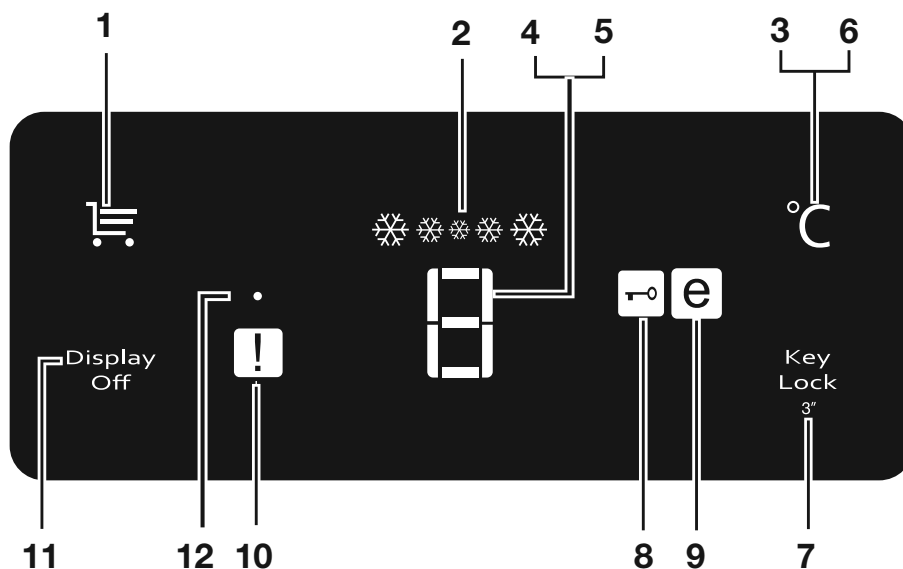
## 4 Preparation

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- i** Your freezer should be installed at least 30 cm away from heat sources such as hobs, ovens, central heater and stoves and at least 5 cm away from electrical ovens and should not be located under direct sunlight.
- i** The ambient temperature of the room where you install your refrigerator should at least be 10°C. Operating your refrigerator under cooler conditions this is not recommended with regard to its efficiency.
- i** Please make sure that the interior of your refrigerator is cleaned thoroughly.
- i** If you want to place two products side by side, e.g. a refrigerator and a freezer, as a side by side solution you have to use a decoration kit which contains a small mat and a decoration part. The mat is mounted on the side of one of the products to create a space between the products. The decoration part is placed between the products to hide the gap between the products (Fig. 2). The decoration kit is not a part of the product but can be delivered as an accessory.
- i** When you operate your refrigerator for the first time, please observe the following instructions during the initial six hours.
  - The door should not be opened frequently.
  - It must be operated empty without any food in it.
  - Do not unplug your refrigerator . If a power failure occurs out of your control, please see the warnings in the "Recommended solutions for the problems" section.
- i** Original packaging and foam materials should be kept for future transportations or moving.
- i** Clean the interior of the refrigerator as recommended in the Maintenance and cleaning" section.

## 5 Using your refrigerator

### Control panel



#### 1. SuperCool Function:

The SuperCool indicator is turned on when the SuperCool function is on. Touch the SuperCool sensor again to cancel this function. The SuperCool indicator will be turned off and the normal settings will be resumed. The SuperCool function will be cancelled automatically 34 hours later if you do not cancel it manually. If you want to cool a large amount of fresh food, press the SuperCool sensor before placing the food in the refrigerator. If you press the SuperCool sensor repeatedly with short intervals, the electronic circuit protection will be activated and the compressor will not start up immediately.

#### 2. SuperCool Indicator

This icon flashes in an animated style when the SuperCool function is active.

#### 3. Fridge Set Function

This function allows you to make the refrigerator temperature setting. Press the temperature sensor(3) to set the temperature of the refrigerator to 8,7,6,5,4,3 and 2 respectively.

#### 4. Refrigerator Temperature Setting Indicator

The temperature Setting Indicator indicates the temperature set for the refrigerator.

#### 5. Temperature Inside the Fridge

Pressing and holding the temperature sensor (3) will activate a brief long acoustic signal and the real temperature inside the refrigerator will be shown on the display for 10 seconds.

Brief temperature variations are normal and may occur when for example the door is open for a longer period of time.

#### **6. Refrigerator Real Temperature Indicator**

While the Temperature Inside the Refrigerator function is active, display flashes and shows the real temperature inside the refrigerator for 10 seconds.

#### **7. Key Lock Mode**

Press Key Lock sensor concurrently for 3 seconds. The Key lock icon will light up and the Key Lock mode will be activated. The sensors will not function if the Key Lock mode is active.

Press the Key Lock sensor concurrently for 3 seconds again. The Key lock icon will be turned off and the Key Lock Mode will be exited.

#### **8. Key Lock Indicator**

This icon lights up when the Key Lock mode is activated.

#### **9. Economic Usage Indicator**

The Economic Usage Indicator is turned on when the refrigerator is set to 8°C.

#### **10. High Temperature/Error Warning Indicator**

If your refrigerator does not cool adequately or if there is a sensor failure, this indicator will be activated. When this indicator is active, the Refrigerator Temperature indicator will display "E" and the Refrigerator Temperature Indicator will display numbers such as "1,2,3...". These numbers on the indicator provides information about the the error.

#### **11. Display Off (Energy-Saving Function)**

When you press this sensor, the Energy-Saving icon will light up and the Energy-Saving will be activated. If the Energy-Saving Function is active, all icons on the display other than the Energy-Saving icon will turn off. If any sensor is pressed or the door is opened while the Energy-Saving Function is active the function will be exited and the icons on the display will return to the starting position. If you press this sensor again, the Energy-Saving icon will be turned off and the Energy-Saving Function will not be active.

#### **12. Energy-Saving Indicator**

This icon lights up when the Energy-Saving Function is selected

### **Using the interior compartments**

Glass shelves: The distance between the shelves can be adjusted when necessary.

Vegetable drawer: Vegetables and fruits can be stored in this compartment for long periods of time without decaying.

Bottle shelf: Bottles, jars and tins can be placed in this shelf.

### **Open door warning**

An audio warning will be given when the refrigerator door is left open for a certain period of time. This audio warning signal will mute when any button on the indicator is pressed or when the door is closed.

## **Cooling**

### **Food storage**

The fridge compartment is for the short-term storage of fresh food and drinks.

Store milk products in the intended compartment in the refrigerator.

Bottles can be stored in the bottle holder or in the bottle shelf of the door.

Fresh meat is best kept in a polyethylene bag in the compartment at the very bottom of the refrigerator.

Allow hot foods and beverages to cool to room temperature prior to placing them in the refrigerator.

- **Attention**

Do not store explosive substances or containers with flammable propellant gases (canned cream, spray cans etc.) in the device. There is a danger of explosion.

### **Defrosting the appliance**

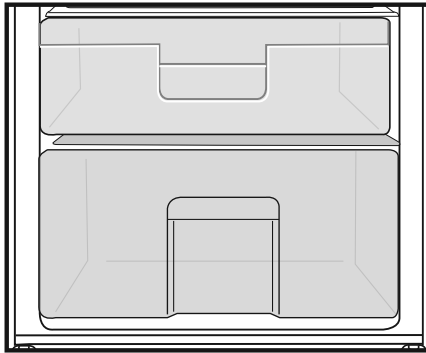
The appliance defrosts automatically.

## **FreshZone**

This compartment has been developed to store frozen food which will be thawed slowly (meat, fish, chicken, etc.) as required.

FreshZone is the coldest place in your refrigerator in which dairy products (cheese, butter), meat, fish or chicken may be kept at ideal storage conditions.

Also some vegetables and/or fruits can be placed in this compartment.



## 6 Maintenance and cleaning

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- ⚠ Never use gasoline, benzene or similar substances for cleaning purposes.
- ⚠ We recommend that you unplug the appliance before cleaning.
- ⚠ Never use any sharp abrasive instrument, soap, household cleaner, detergent and wax polish for cleaning.
- ℹ Use lukewarm water to clean the cabinet of your refrigerator and wipe it dry.
- ℹ Use a damp cloth wrung out in a solution of one teaspoon of bicarbonate of soda to one pint of water to clean the interior and wipe it dry.
- ⚠ Make sure that no water enters the lamp housing and other electrical items.
- ⚠ If your refrigerator is not going to be used for a long period of time, unplug the power cable, remove all food, clean it and leave the door ajar.
- ℹ Check door seals regularly to ensure they are clean and free from food particles.
- ⚠ To remove door racks, remove all the contents and then simply push the door rack upwards from the base.
- ⚠ Never use cleaning agents or water that contain chlorine to clean the outer surfaces and chromium coated parts of the product. Chlorine causes corrosion on such metal surfaces.

### Protection of plastic surfaces

- ℹ Do not put the liquid oils or oil-cooked meals in your refrigerator in unsealed containers as they damage the plastic surfaces of your refrigerator. In case of spilling or smearing oil on the plastic surfaces, clean and rinse the relevant part of the surface at once with warm water.

## 7 Recommended solutions for the problems

Please review this list before calling the GRAM service. It might save you time and money. This list includes frequent complaints that are not arising from defective workmanship or material usage. Some of the features described here may not exist in your product.

### The refrigerator does not operate.

- Is the refrigerator properly plugged in? Insert the plug to the socket.
- Is the fuse of the socket connected to or the main fuse blown out? Check the fuse.

### Condensation on the side wall of the refrigerator.

- Very cold ambient conditions. Frequent opening and closing of the door. Highly humid ambient conditions. Leaving the door ajar. Switching the thermostat control to a colder temperature.
- Decreasing the time the door is left open or using it less frequently.
- Wipe the condensation using a dry cloth and check if it persists.

### The compressor is not running

- In case of an electrical cut the refrigerator cannot start up right away as the compressor has to balance the refrigerant pressure in the cooling system of the refrigerator. The alignment of the refrigerant pressure will lead to a postponement of the start up by 6 minutes. Please contact GRAM service if the refrigerator does not start up at the end of this period.
- The refrigerator is in the defrost cycle. This is normal for a full-automatically defrosting refrigerator. The defrosting cycle occurs periodically.
- Your refrigerator is not plugged into the socket. Make sure that the plug fits properly into the socket.
- Are the temperature adjustments correctly made?
- The power might be cut off.



<p>The refrigerator is running frequently or for a long time.</p>
<ul style="list-style-type: none"> <li>• Your new product may be wider than the previous one. This is quite normal. Large refrigerators operate for a longer period of time.</li> <li>• The ambient room temperature may be high. This is quite normal.</li> <li>• The refrigerator might have been plugged in recently or might have been loaded with food. Cooling down of the refrigerator completely may last for a couple of hours longer.</li> <li>• Large amounts of hot food might have been put in the refrigerator recently. Hot food causes longer running of the refrigerator until it reaches the safe storage temperature.</li> <li>• The door might have been opened frequently or left ajar for a long time. The warm air that has entered into the refrigerator causes the refrigerator to run for longer periods of time. Open the door less frequently.</li> <li>• The refrigerator door might have been left ajar. Check if the door is tightly closed.</li> <li>• The refrigerator is adjusted to a very low temperature. Adjust the refrigerator temperature to a warmer degree and wait until the temperature is achieved.</li> <li>• The door seal of the refrigerator may be soiled, worn out, broken or not placed properly. Clean or replace the seal. A damaged or broken seal causes the refrigerator to run for a longer period of time in order to maintain the current temperature.</li> </ul>
<p>The food kept in the fridge compartment drawers are freezing.</p>
<ul style="list-style-type: none"> <li>• The fridge temperature might have been adjusted to a very low temperature. Adjust the fridge temperature to a warmer degree and check.</li> </ul>
<p>The temperature in the refrigerator is very high.</p>
<ul style="list-style-type: none"> <li>• The fridge temperature might have been adjusted to a very high degree. Change the temperature of the refrigerator until the refrigerator temperature reaches to a sufficient level.</li> <li>• The door might have been opened frequently or left ajar for a long time; open it less frequently.</li> <li>• The door might have been left ajar; close the door completely.</li> <li>• A large amount of hot food might have been placed in the refrigerator recently. Wait until the refrigerator reaches the desired temperature.</li> <li>• The refrigerator might have been plugged in recently. Cooling down of the refrigerator completely takes time.</li> </ul>
<p>The operation noise increases when the refrigerator is running.</p>
<ul style="list-style-type: none"> <li>• The operating performance of the refrigerator may change due to the changes in the ambient temperature. It is normal and not a fault.</li> </ul>

Vibrations or noise.
<ul style="list-style-type: none"> <li>• The floor is not level or it is weak. The refrigerator rocks when moved slowly. Make sure that the floor is strong enough to carry the refrigerator, and that the floor is level.</li> <li>• The noise may be caused by the items put onto the refrigerator. Items on top of the refrigerator should be removed.</li> </ul>
There are noises coming from the refrigerator like liquid spilling or spraying.
<ul style="list-style-type: none"> <li>• Liquid and gas flows happen in accordance with the operating principles of your refrigerator. It is normal and not a fault.</li> </ul>
There is a noise like wind blowing.
<ul style="list-style-type: none"> <li>• Fans are used in order to cool the refrigerator. It is normal and not a fault.</li> </ul>
Condensation on the inner walls of the refrigerator.
<ul style="list-style-type: none"> <li>• Hot and humid weather increases icing and condensation. It is normal and not a fault.</li> <li>• The door might have been left ajar; make sure that the door is closed fully.</li> <li>• The door might have been opened frequently or left ajar for a long time; open it less frequently.</li> </ul>
Humidity occurs on the outside of the refrigerator
<ul style="list-style-type: none"> <li>• There might be humidity in the air; this is quite normal in humid weather. When the humidity is less, condensation will disappear.</li> </ul>
A bad odor inside the refrigerator.
<ul style="list-style-type: none"> <li>• The interior of the refrigerator must be cleaned. Clean the the interior of the refrigerator with a sponge, lukewarm water or carbonated water.</li> <li>• Some containers or packaging might cause the smell. Use a different container or different brand packaging.</li> </ul>
The door is not closing.
<ul style="list-style-type: none"> <li>• Food packaging may prevent the door from closing. Replace the packaging that are obstructing the door.</li> <li>• The refrigerator is not completely upright on the floor and rocking when slightly moved. Adjust the legs.</li> <li>• The floor is not level or strong. Make sure that the floor is level and capable to carry the refrigerator.</li> </ul>
The vegetable drawers are stuck.
<ul style="list-style-type: none"> <li>• The food might be touching the ceiling of the drawer. Rearrange food in the drawer.</li> </ul>