LG
Life's Good

ENGLISH

Owner's Manual

REFRIGERATOR-FREEZER

Please read carefully the manual instruction and safety caution before operating your refrigerator and retain it for future reference

GT31BGP	GT28BPP	GT21BPP1
GT31BPP	GT28WPP	GT21BPW1
GT31WPP	GT23BPP	

P/No. : MFL68683028

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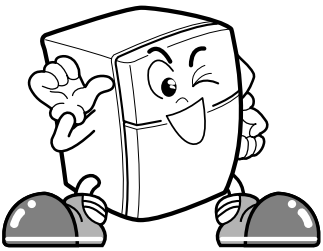


IMPORTANT SAFETY INFORMATION

⚠ WARNING

⚠ Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

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

⚠ Do not damage the refrigerant circuit.

⚠ Do not use electrical appliances inside the food storage compartment of the appliance, unless they are of the type recommended by the manufacturer.

⚠ The refrigerant and insulation blowing gas used in the appliance require special disposal procedures. When disposal, please consult with services agent or a similarly qualified person.



This appliance contains a small amount of isobutane refrigerant (R600a), natural gas with high environmental compatibility, but it is also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged. Refrigerant squirting out of the pipes could ignite or cause an eye injury. if a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.

In order to avoid the creation of a flammable gas air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used. The room must be 1 m^2 in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance. Never start up an appliance showing any signs of damage. if in doubt, consult your dealer.

IMPORTANT SAFETY INFORMATION

BASIC SAFETY PRECAUTIONS

This guide contains many important safety messages. Always read and obey all safety messages.

⚠ This is the safety alert symbol. It alerts you to safety messages that inform you of hazard that can hurt you or others or cause damage to the product. All safety messages will be preceded by the safety alert symbol and the hazard signal word WARNING, or CAUTION. These words mean:

⚠ WARNING You will be hurt or seriously injured if you don't follow instructions.

⚠ CAUTION indicates an imminently hazardous situation which, if not avoided, may result in minor or moderate injury, or product damage only.

All safety messages will identify the hazard, tell you how to reduce the chance of injury, and tell you what canhappen if the instructions are not followed.

⚠ WARNING

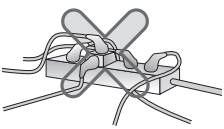
To reduce the risk of fire, electric shock, or injury to persons when using your product, basic safety precautions should be followed, including the following.

Read all instructions before using this appliance.

1. When connecting the power

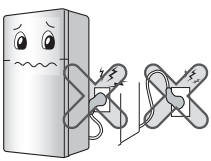
Do not use many power outlets.

- Using several devices at one outlet may cause fire.
- The electric leakage breaker may damage food and the dispenser may be leaked.



Do not allow the power plug to face upward or to be squeezed at the back of the refrigerator.

Water may be flown into or the plug may be damaged, which causes fire or electric shock.



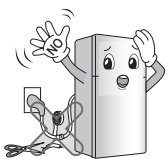
Do not allow the power cord bent or pressed by the heavy object to be damaged.

It may damage the power cord to cause fire or electric shock.



Do not extend or modify the length of the power plug.

It causes electric shock or fire by the electric damage of the power cord or others.

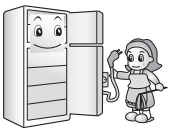


IMPORTANT SAFETY INFORMATION

1. When connecting the power

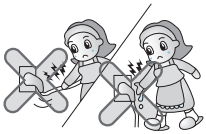
Unplug the power plug when cleaning or handling the refrigerator.

• It may cause electric shock or injury.



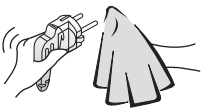
Do not pull out the cord or touch the power plug with wet hands.

• It may cause electric shock or injury.



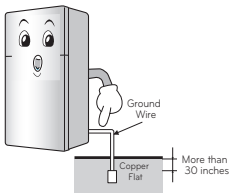
Remove water or dust from the power plug and insert it with the ends of the pins securely connected.

Dust, water or unstable connection may fire or electric shock.



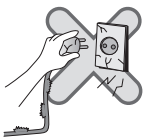
Make sure of grounding.

The incorrect grounding may cause breakdown and electric shock.



When the power cord or the power plug is damaged or the holes of the outlet are loosed, do not use them.

It may cause electric shock or short circuit to make fire.



2. When using the refrigerator

Do not place the heavy object or the dangerous object (container with liquid) on the refrigerator.

It may be dropped to cause injury, fire or electric shock when opening or closing the door.



Do not cling to the door or the shelves of the door or the cool chamber.

It may make the refrigerator fallen down or damage the hands. Especially, do not allow the children to do the above.



2. When using the refrigerator

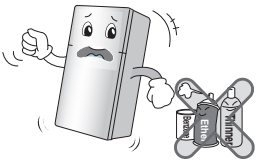
Do not install the refrigerator in the wet place or the place which water or rain splashes.

Deterioration of insulation of electric parts may cause electric leakage.



Do not use or store inflammable materials ether, benzene, alcohol, medicine, LP gas, spray or cosmetics near or in the refrigerator.

It may cause explosion or fire.



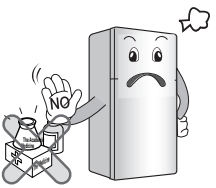
Do not place the lit candle within the refrigerator to deodorize.

It may cause explosion or fire.



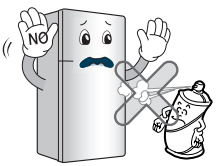
Do not store the medicine or the academic materials at the refrigerator.

When the material with the strict temperature control is stored, it may be deteriorated or it may make an unexpected reaction to cause any risk.



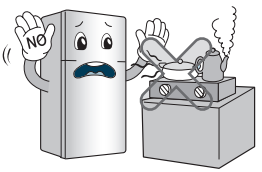
Do not use the combustible spray near the refrigerator.

It may cause fire.



Avoid the heating devices.

It may cause fire.



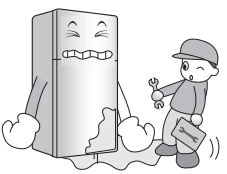
Do not place flower vase, cup, cosmetics, medicine or any container with water on the refrigerator.

It may cause fire, electric shock or injury by dropping down.



Do not use the submerged refrigerator directly, kindly checked by the technician.

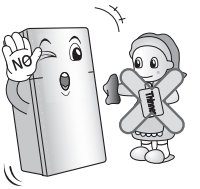
It may cause electric shock or fire.



2. When using the refrigerator

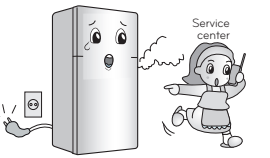
Do not spray water at the outside or the inside of the refrigerator or do not clean it with benzene or thinner.

Deterioration of insulation of electric parts may cause electric shock or fire.



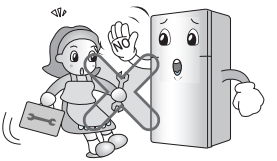
When any strange smell or smoke is detected from the refrigerator, disconnect the power plug immediately and contact to the service center.

It may cause fire.



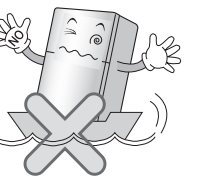
Do not allow any person except the qualified engineer to disassemble, repair or alter the refrigerator.

It may cause injury, electric shock or fire.



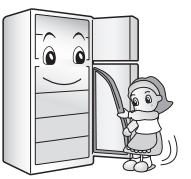
Do not use the refrigerator for non-domestic purpose (storing medicine or testing material, using at the ship, etc.).

It may cause an unexpected risk such as fire, electric shock, deterioration of stored material or chemical reaction.



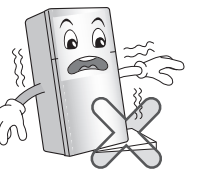
When disposing the refrigerator, remove the packing materials from the door.

It may cause to lock out the child.



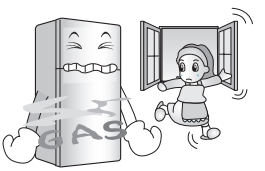
Install the refrigerator on the solid and level floor.

Installing it on the unstable place may cause death by falling down the refrigerator when opening or closing the door.



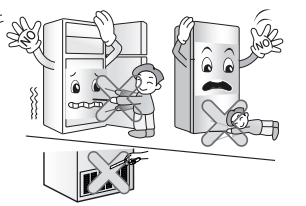
When gas is leaked, do not touch the refrigerator or the air outlet and ventilate the room immediately.

- The explosion by spark may cause fire or burn.
- Because this refrigerator uses natural gas as the environtment-friendly refrigerant, even as small amount is combustible. When the gas is leaked by the severe damage during delivering, installing or using the refrigerator, any spark may cause fire or burn.



Do not put hands or other things in the air holes, under the cover, into the holes at the back of the refrigerator.

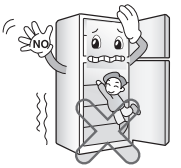
It may cause electric shock or injury.



2. When using the refrigerator

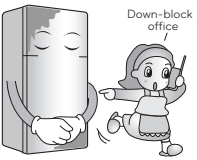
Always prevent children from entering the product.

It may endanger the life of a child if the child enters the refrigerator.



When you want to dispose the refrigerator, contact to the down-block office.

When you want to dispose the large living waste such as electric home appliance and furniture, you'd better contact the local down-block office.



⚠CAUTION

Violating this direction may cause injury or damage house or furniture. Always be careful, please.

Do not touch food or containers at the freezer with wet hands.

It may cause frostbite



Wait for 5 minutes or longer when reconnecting the plug.

It may cause the operation of the freezer to fail.



Do not put bottle in the freezer.

It may freeze the contents to break the bottle to cause injury.



Pull out the power plug not by grasping the cord but the plug of its end.

It may cause electric shock or short circuit to fire.

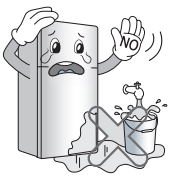


⚠CAUTION

Violating this direction may cause injury or damage house or furniture. Always be careful, please.

Do not install the refrigerator in the wet place or the place which water or rain splashes.

Deterioration of insulation of electric parts may cause electric leakage.



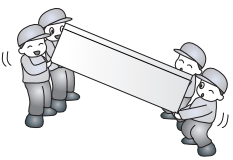
Do not insert the hands into the bottom of the refrigerator.

The iron plate of the botton may cause injury.



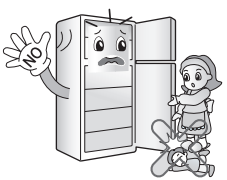
Carry the refrigerator with the handle bar at the bottom of the front and the top of the rear.

Otherwise, your hands may be slipped to cause injury.



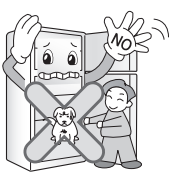
Because opening or closing the door of the refrigerator may cause injury to the person around it, be careful, please.

Opening or closing the door may cause feet or hands to be caught in the chink in door or the child to be get hurt by the corner.



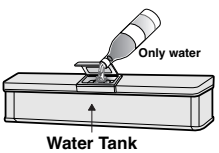
Do not put any living animal in the refrigerator.

It may cause the animal died.

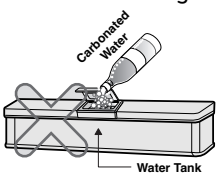


Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance

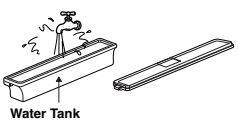
Use only water. If any other liquid is used, the operation of the system may be deteriorated. If a problem occurs by using any liquid other than water, the manufacturer will not be responsible.



Do not use the carbonated water. The gas pressure may cause leakage.



Clean the water tank according to the instruction before using the Water Dispenser



⚠WARNING

Fill with potable water only.

THIS REFRIGERATOR IS MANUFACTURED WITH GREAT CARE AND UTILIZES THE LATEST IN TECHNOLOGY.

WE ARE CONFIDENT THAT YOU WILL BE FULLY SATISFIED WITH ITS PERFORMANCE AND RELIABILITY.

BEFORE USING YOUR REFRIGERATOR, PLEASE READ THIS BOOKLET CAREFULLY.

IT PROVIDES EXACT INSTRUCTIONS FOR INSTALLATION, OPERATION, AND MAINTENANCE, AND ALSO SUPPLIES SOME USEFUL HINTS.

INSTALLATION

SELECT A GOOD LOCATION

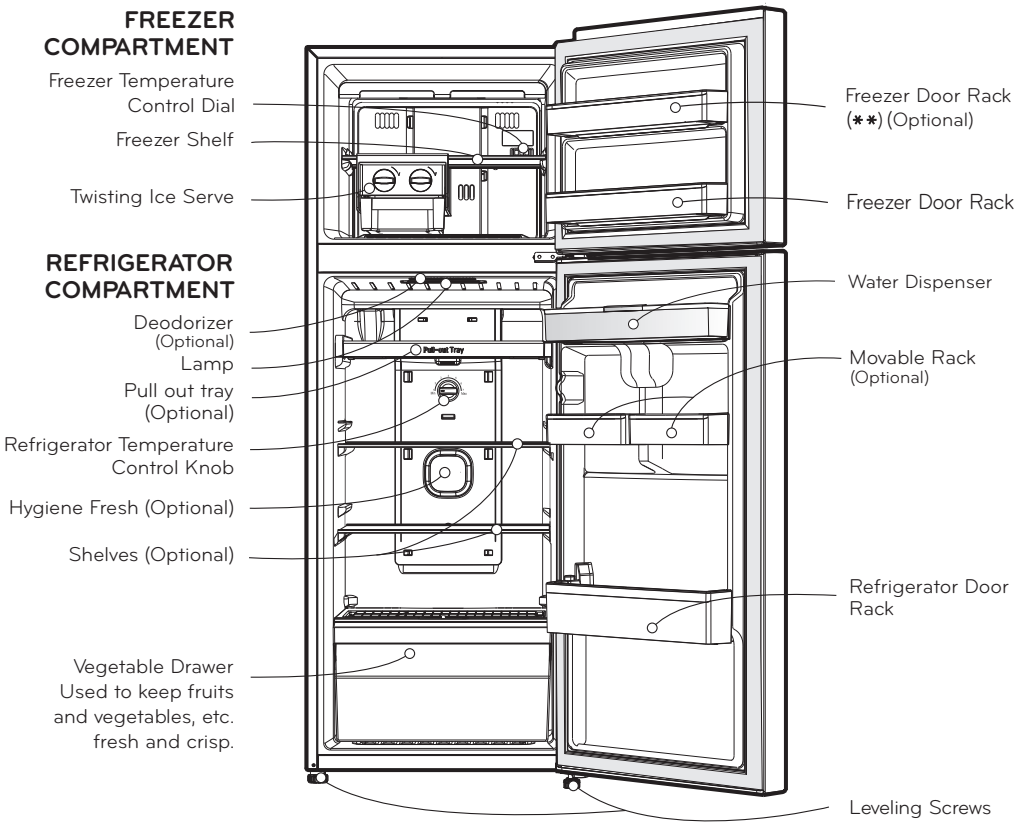
1. Place your refrigerator where it is easy to use.
2. Avoid placing the refrigerator near heat sources, direct sunlight or moisture.
3. Air must circulate properly around your refrigerator to ensure efficient operation. If your refrigerator is placed in a recessed area in the wall, allow at least 10 inches (25 cm) or greater clearance above the refrigerator and 2 inches (5 cm) or more from the wall. The refrigerator should be elevated 1 inch (2.5 cm) from the floor, especially if the floor is carpeted.
4. To avoid vibrations, the refrigerator must be level. If necessary, adjust the leveling screw(s) to compensate for unevenness of the floor. To close the doors easily, the front should be slightly higher than the rear. Leveling screw(s) can be turned easily by tipping the cabinet slightly. Turn the leveling screw(s) clockwise to raise the refrigerator, counterclockwise to lower it.

NEXT

1. Wipe off all dust accumulated during shipping and clean your refrigerator thoroughly.
2. Install accessories such as the ice cube box, evaporating tray cover, etc., in their proper places. They are packed together to prevent possible damage during shipping.
3. Connect the power supply cord (or plug) to the outlet. Don't double up with other appliances on the same outlet.
4. Prior to use, let the refrigerator run for 2-3 hours. Check the flow of cold air in the freezer compartment to ensure proper cooling has taken place.Your refrigerator is now ready for use.

FEATURE CHART

❒ DISPENSER MODEL



NOTE

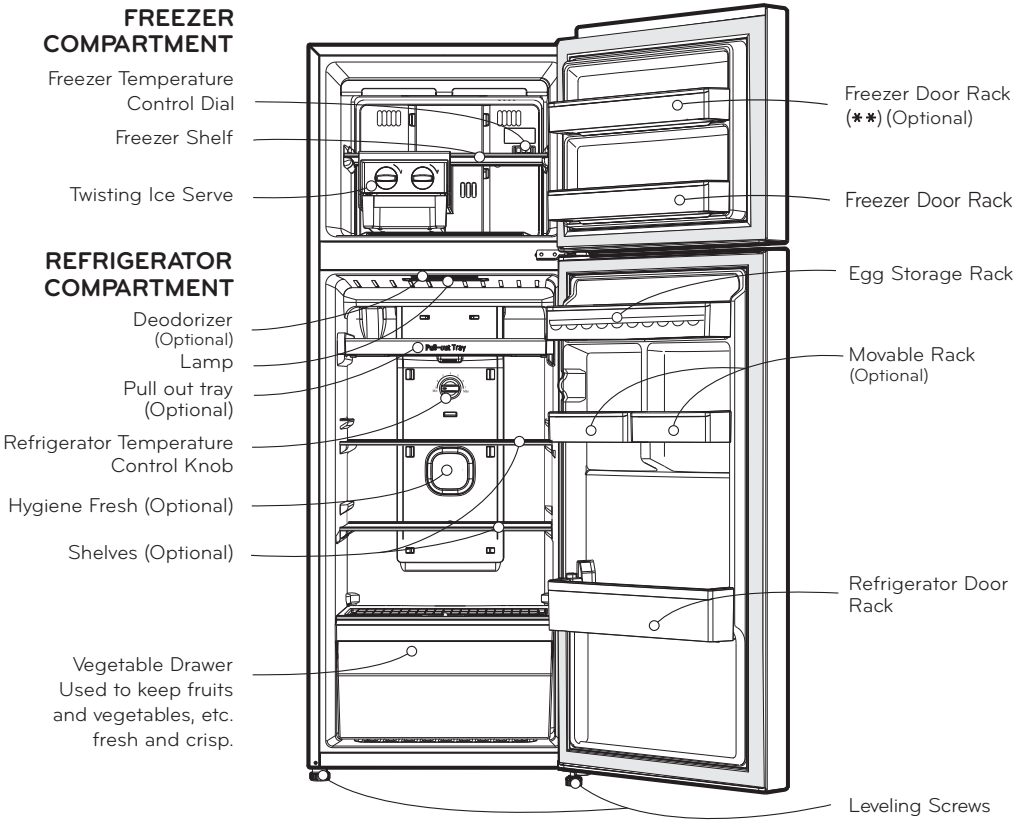
- This guide covers several different models. The refrigerator you have purchased may have some or all of the features shown above.
- To keep a position of inner parts like as baskets, drawers and shelves supplied by manufactureris the most efficient usage for energy saving.

SUGGESTION FOR ENERGY SAVING

- Please do not keep the door open for a long time, close door in the shortest time.
- Too much food are not advised to be put in. Enough space should be kept for cool air circulating freely.
- Do not set the temperature of refrigerator lower than needed. Do not put the food near the temperature sensor.
- Allow hot food to cool prior to storing. Placing hot food in the fridge-freezer could spoil other food, and lead to higher electric bills.
- Do not block air vents with food. Smooth circulation of cold air keeps fridge-freezer temperature even.
- Do not open the door frequently. Opening the door lets warm air enter the fridge-freezer, and cause temperature to rise.

FEATURE CHART

❒ NON DISPENSER MODEL



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OPERATIONS

STARTING

When your refrigerator is first installed, allow it 2-3 hours to stabilize at normal operating temperatures prior to filling it with fresh or frozen foods.

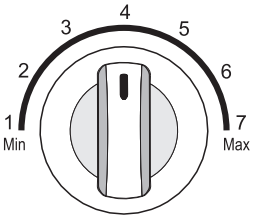
If operation is interrupted, allow 5 minutes delay before restarting.

BEFORE SETTING THE TEMPERATURE

- This refrigerator has one temperature control knob for the refrigerator compartment and one temperature control dial for the freezer compartment.
- The default setting of the temperature control knob for the refrigerator compartment is '4'.
- The default setting of the temperature control dial for the freezer compartment is '3' .

TEMPERATURE CONTROL

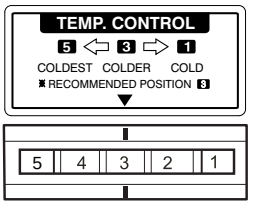
❒ CONTROLS FOR REFRIGERATOR COMPARTMENT



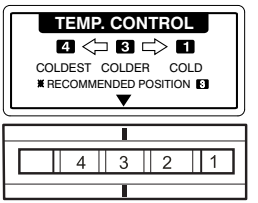
- For colder temperatures, adjust the control knob to MAX, and for warmer temperatures, adjust the control knob to MIN position

❒ CONTROLS FOR FREEZER COMPARTMENT

※ Depend on your product



<Type A>



<Type B>

- The higher the number the Freezer setting is set to, the lower the temperature of the freezer compartment will become.
- Since the temperature of the refrigerator and freezer compartments is controlled with a fixed amount of cooled air, the refrigerator compartment will be warmer if the freezer compartment becomes colder.
- When the freezer compartment is not cold enough in summer, adjust the control in the freezer to High (4~5) for type A or (3~4) for type B.
- Setting the Freezer dial at (4~5) for type A or (3~4) for type B will maintain a low temperature in the freezer. But the Refrigerator's cooling speed will be reduced. When set to (4~5) for type A or (3~4) for type B during hotter climates, it may also be necessary to adjust the refrigerator compartment temperature to a cooler temperature (6~7).
- Knob 5 ~ 7 for type B is for quick freezing in the freezer compartment. The refrigerator can be operated continuously or the refrigerator compartment can be warmer. When the quick freezing is finished, please return to set the Knob at Normal (optional).

OPERATION

HYGIENE FRESH (OPTIONAL)

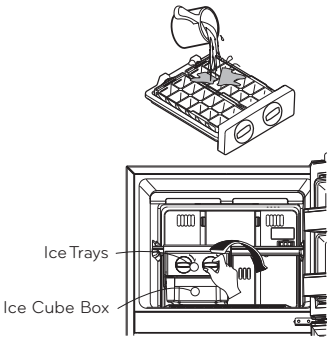
⚠ CAUTION

Before installing or using the product, make sure to read the owner's manual carefully to use the product accurately as intended. This HYGIENE FRESH filter has the antibacterial function of removing the virus or bacteria inside the refrigerator and the deodorizer function to remove the scent.
The function has tested and has been certificated by authorized institutions Intertek

ICE MAKING

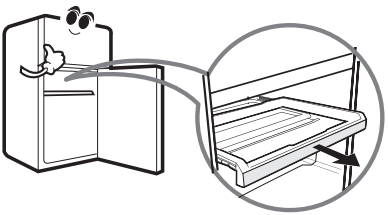
Twisting Ice Serve Type

- To make ice cubes, fill the ice tray with water and insert in its position.
- To remove ice cubes, hold the knob of the tray and turn gently. Then, ice cubes drop in the ice cube box.
- You can remove the Twisting Ice Serve to make the freezer compartment larger.
- You should remove the ice Trays and Ice Cube Box first, then pull the frame out toword the right side.

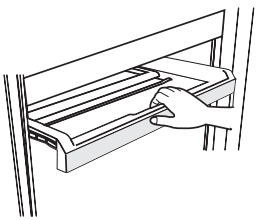


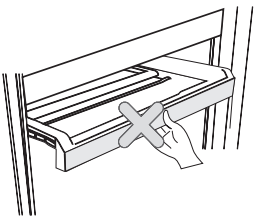
PULL OUT TRAY (OPTIONAL)

The pull out tray offers easy access to the rear of the food drawer by sliding the tray out.



Please do not hold the bottom of the tray when slide the tray in, as it could catch your hand.

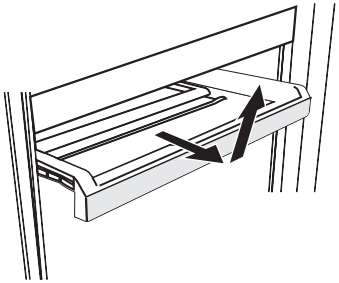




OPERATION

How to remove the Pull Out Tray

Fully extend the Pull-Out-Tray and lift the front then pull it out slowly.



DEFROSTING

Defrosting takes place automatically.

The defrosted water flows down to the evaporating tray which is located in the lower back side of the refrigerator and is evaporated automatically.

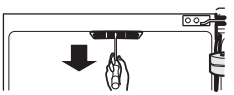
DEODORIZER (OPTIONAL)

By using a catalyst, deodorizing performance is guaranteed.

Unpleasant odor of food in the fresh food compartment is deodorized with no harm to you and the food.

How to use

- As the catalyst is located in cooling air outlet for circulating air in fresh food compartment, there is no need to touch it.
- Do not prick the deodorizer with a sharp tip because the deodorizing catalyst may be damaged.
- When storing food with a strong odor, wrap it or store it in a container with a lid because the odor may be passed on to other foods.
- To remove the deodorizer, take down while pulling it forward after inserting ⊖ type driver into the inside hole as shown in the figure at right.



OPERATIONS

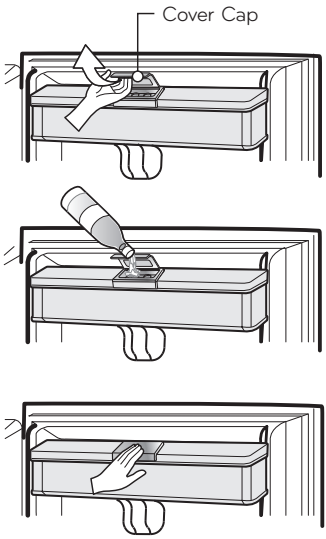
WATER DISPENSER (OPTIONAL)

NOTE

- Put water after the water tank being in position. Necessarilly separate the water tank to clean it or not use it.
- When the water tank is not position after filling it with water, water can leak out by the valve pushed.

- **Putting water in the water tank**

1. Open the cover cap and pour water into the water tank.

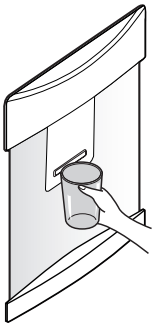


2. Close the cover cap.

Caution

Do not use anything other than water including.

Hot water needs to be cooled before being put in the water tank.



- **Drinking**

1. Press the dispenser pad with cup.
2. The water is released when the dispenser pad is pressed. The pad returns to its original position when the cup is removed and the water stops its flow.

SUGGESTIONS ON FOOD STORAGE

STORING FOOD

- Store fresh food in the refrigerator compartment. How food is frozen and thawed is an important factor
  in maintaining its freshness and flavor.
- Do not store food which goes bad easily at low temperatures, such as bananas, pineapples, and melons.
- Allow hot food to cool prior to storing. Placing hot food in the refrigerator could spoil other food and lead to higher electric bills!
- When storing, cover food with vinyl wrap or store in a container with a lid. This prevents moisture from evaporating and helps food to keep its taste and nutrients.
- Do not block air vents with food. Smooth circulation of chilled air keeps refrigerator temperatures even.
- Do not open the door frequently. Opening the door lets warm air enter the refrigerator, causing temperatures to rise.

FREEZER COMPARTMENT

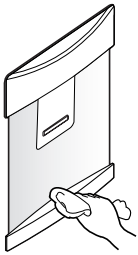
- Do not store bottles in the freezer compartment - they may break when frozen.
- Do not refreeze food that has been thawed. This deteriorates taste and nutrition.
- When storing frozen food like ice cream for a long period, place it on the freezer shelf, not in the door rack.
- Avoid storing any food close to the bottom area of the freezer shelf to keep efficient air circulation.
- It is recomended to load food at least 25mm for type A or 15mm for type B against back of freezer wall, it will keep good air circulation in the freezer compartment (see page 13).
- Freezer Door Basket, marked (**) is -12°C compartment, that is suitable for short term storage of frozen food (optional).

REFRIGERATOR COMPARTMENT

- Avoid placing moist food deep inside refrigerator shelves, it could freeze upon direct contact with chilled air.
- Always clean food prior to refrigeration. Vegetables and fruits should be washed and wiped, and packed food should be wiped clean to prevent adjacent food from spoiling.
- When storing eggs in their storage rack, ensure that they are fresh. Always store them in a upright position, which keeps them fresh longer.

CLEANING

WATER DISPENSER (OPTIONAL)



Grille -

Wipe with a wet cloth, and dry with a dry cloth.

Water Tank -

1. Putting the Water

   Is not necessary to remove the water tank in order to supply it (it could be filled like shows fig. 1 pulling the tank gate).

NOTE

- Before closing door, close the cap and clamp tightly.
- Do not use liquids containing sugar or carbonated drinks like soda

2. Disassembly

   Lift the water tank, gripping a side and bottom of water tank.

NOTE

When disassemble Water Tank, use all waterinside dispenser first.

3. Assembly

   If by some cause removes the water tank, place again the water tank on its original position. Verify that the valve assembly

   correctly in the hole of the door (fig. 3,4). Once assembled push down and check the tank position with line.

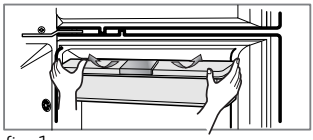


fig. 1

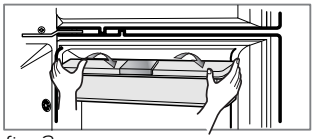


fig. 2

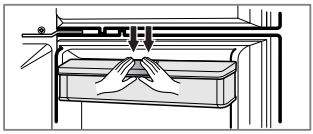


fig. 3

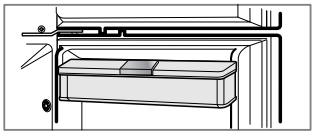
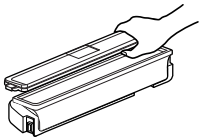


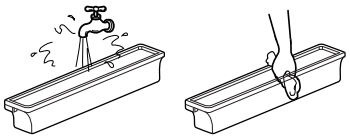
fig. 4

Water Tank -

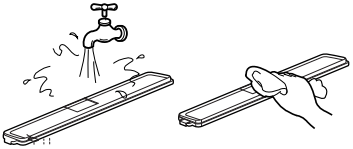
1. Remove the tank cover.



2. Clean the inside and outside of the water tank with diswashing detergent and rinse throughly under running water. Dry the water with a cloth.



3. Clean the inside and outside of the cap with diswashing detergent and rinse throughly under running water. Dry the water with a cloth.



Caution

1. Use lukewarm water when cleaning.
2. Do not use anything other than water. If it is used with soft drinks,put water in the water tank and discharge three or four cups of water shortly.

CLEANING

It is important that your refrigerator be kept clean to prevent undesirable odors. Spilled food should be wiped up immediately, since it may acidify and stain plastic surfaces if allowed to settle.

Never use metallic scouring pads, brushes, coarse abrasive cleaners, or strong alkaline solutions on any surface.

Before you clean, remember that damp objects will stick or adhere to extremely cold surfaces. Do not touch frozen surfaces with wet or damp hands.

EXTERIOR - Use a lukewarm solution of mild soap or detergent to clean the durable finish of your refrigerator. Wipe with a clean, damp cloth and then dry.

For products with a stainless steel exterior, use a clean sponge or soft cloth and a mild Detergent in warm water Do not use abrasive or harsh cleaners. Dry thoroughly with a Soft cloth. Do not use appliance wax, bleach, or other products containing chlorine on stainless steel.

INTERIOR - Regular cleaning of the interior and interior parts is recommended. If you have the No Frost model which defrosts automatically, leave both doors open during the entire cleaning process.

Disconnect the power supply, and remove food and all compartment shelves, storage trays etc.

Wash all compartments with a baking soda solution. Rinse and dry.

INTERIOR PARTS - Wash compartment shelves, door racks, storage trays, and magnetic door seals etc. with the baking soda solution or a mild detergent and warm water. Rinse and dry.

WARNING

Always remove power cord from the wall outlet prior to cleaning in the vicinity of electrical parts (lamps, switches, controls, etc.).
Wipe up excess moisture with a sponge or cloth to prevent water or liquid from getting into any electrical part and causing a electric shock. Do not use flammable or toxic cleaning liquids.

GENERAL INFORMATION

VACATION TIME

During average length vacations, you will probably find it best to leave the refrigerator in operation. Place freezable items in freezer for longer life. When you plan to be away for an extended period, remove all food, disconnect the power cord, clean the interior thoroughly, and leave each door OPEN to prevent odor formation.

POWER FAILURE

Most power failures are corrected in an hour or two and will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off. During power failures of longer duration, place a block of dry ice on top of your frozen packages.

DRY ICE WARNING

When using dry ice, provide adequate ventilation.
Dry ice is frozen carbon dioxide (CO_2).

When it vaporizes, it can displace oxygen, causing dizziness, light-headedness, unconsciousness, and death by suffocation.
Open a window and do not breathe the vapors.

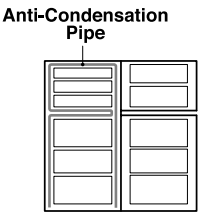
IF YOU MOVE

If you move, empty the refrigerator (freezer) completely and wash a mild solution of baking soda and water. (2 TBS soda to 1 quart water)

Be sure the soda is completely dissolved to avoid scratching the inside of the refrigerator (freezer). Secure any loose items, such as racks, bins, ice trays, etc. Do not try to move a loaded refrigerator.

ANTI-CONDENSATION PIPE

The outside wall of the refrigerator cabinet may sometimes get warm, especially just after installation.
Don't be alarmed.
This is due to the anti-condensation pipe, which pumps hot refrigerant to prevent sweating on the outer cabinet wall.



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.

LAMP REPLACEMENT

NOTE

- This product applies LED Lamp which can not be replaced by the user. Please contact authorized service centre for the lamp replacement.

IMPORTANT WARNINGS

DO NOT USE AN EXTENSION CORD

Use this appliance on a dedicated circuit; that is, an outlet that is the only outlet on the circuit. Overloading a circuit causes low voltage, malfunction, possible damage to the equipment, and poor cooling capacity.
Check your local electric code or consult a qualified electrician if you have questions.

ACCESSIBILITY SUPPLY PLUG

The refrigerator-freezer should be so positioned that the supply plug is accessible for quick disconnection if an accident happens.

SUPPLY CORD REPLACEMENT

If the supply cord is damaged, it must be replaced by the manufacturer or replacement or a similarly qualified person in order to avoid a hazard.

ABOUT GROUNDING (EARTHING)

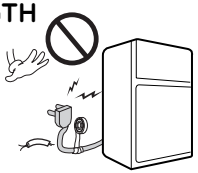
In the event of an electric short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current.

In order to prevent possible electric shock, this appliance must be grounded.

Improper use of the grounding plug can result in an electric shock. Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if you have doubts on whether the appliance is properly grounded.

DO NOT MODIFY OR EXTEND THE POWER CORD LENGTH

It will cause electric shock or fire.



VERY DANGEROUS ATTRACTION

An empty refrigerator can be a dangerous attraction to children. Remove either gaskets, latches, lids or the entire door from your unused appliance, or take some other action to make it harmless.

This appliance must be grounded (earthed).

DON'T WAIT! DO IT NOW!

Do not store inflammable materials, explosives or chemicals in the refrigerator.

WARNING

This appliance is not intended for use by person (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.

DISPOSAL OF THE OLD APPLIANCE

This appliance contains fluid (refrigerant, lubricant) and is made of parts and materials which are reusable and/or recyclable.

All the important materials should be sent to the collection center of waste material and can be reused after rework (recycling). For take back, please contact with the local agency.

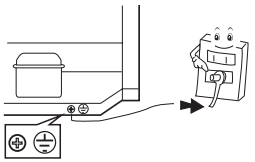
BEFORE CALLING FOR SERVICE

SERVICE CALLS CAN OFTEN BE AVOIDED!

IF YOU FEEL YOUR REFRIGERATOR IS NOT OPERATING PROPERLY, CHECK THESE POSSIBLE CAUSES FIRST :

PROBLEM	POSSIBLE CAUSES
REFRIGERATOR DOES NOT OPERATE	● Has a house fuse blown or circuit breaker tripped? ● Has the power cord plug been removed or loosened from the electrical wall outlet?
REFRIGERATOR OR FREEZER COMPARTMENT TEMPERATURE TOO WARM	● Temperature control not set on proper position. ● Appliance is placed close to wall or heat source. ● Warm weather-frequent door openings. ● Door left open for a long time. ● Large amount of foods are kept in the refrigerator.
ABNORMAL NOISE(S)	● Refrigerator is installed in a weak or uneven place, or leveling screw needs adjusting. ● Unnecessary objects placed behind the refrigerator.
REFRIGERATOR HAS ODOR	● Foods with strong odors should be tightly covered or wrapped. ● Interior needs cleaning.
DEW FORMS ON THE CABINET SURFACE	● Not unusual during periods of high humidity. ● Door may have been left ajar.

EARTH/GROUNDING CONSTRUCTION (OPTIONAL)



It is recommended to install the earth wire to prevent electric shock in case of electricity leakage.

How to connect the earth wire:

- Connect the earth wire's metal ring end to the earth screw on the back of the refrigerator.
- Peel off the cable sheath/insulation at the other end of the earth wire. Attach the peeled wire to a metal screw/nail and then drive it through the wall or ground.

Do not connect the earth wire to the following locations.

- **Gas pipe**
  It could produce sparks which lead to fire and explosion.
- **Telephone earth wire and lightning rod**
  It is dangerous during lightning.
- **Water pipe and water tap**
  The earth wire connection will not work when the middle of the water pipe is made of plastic.
  If it is connected to a metal water pipe, it could cause someone to be electrocuted.

When installing the product in a humid or wet location, you must install the earth wire.

Ex)
- Unfloored or dirt floored room (Room with dirt and no floor), concrete floor
- Location where it can get wet such as near the sink
- Location where water can leak or is humid such as basement
- Other wet or humid location

Especially, for locations where it always get wet such as near the restaurant sink, you are obligated by the law to install a circuit breaker in addition to the earth wire.

After consulting with your retailer or electric construction company, you must do the earth wire construction (Type 3 earth construction). Please note that earth construction could incur extra fees.

SMART DIAGNOSIS (Only for applied models)

Smart diagnosis function is...

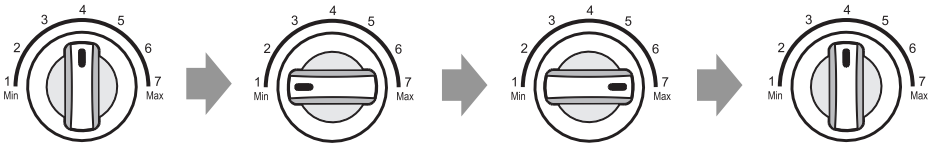
Use this function when calling the Customer Call Centre and receive precise diagnosis when the refrigerator malfunctions or fails. Use it only when advised by the consultant and not otherwise.

How to use the function

First, call to the LG service center. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent.

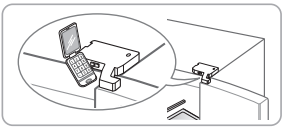
1. Open all the doors of the refrigerator.

• SDS can be input even Test Mode and Error status.



Middle Notch (Mid) → Warm Notch (Min) → Cold Notch (Max) → Middle Notch (Mid)

2. Turn knob to Middle notch.
3. Turn knob to Warm notch and keep that status for 2sec.
4. Turn knob to Cold notch within 3sec and keep that status for 2sec.
5. Turn knob to Middle notch within 3sec and keep that status for 2sec.
6. Place the phone near the speaker hole in the top right hand side door hinge
   Ensure the microphone of the telephone is toward the speaker hole.



   Do not take away the telephone while data is being transmitted.
   During the data transmission for smart diagnosis, hold the telephone 10cm away from the speaker hole and avoid any background noises.

> **⚠ CAUTION**
>
> The transmission sound may be irritating. Do not take away the telephone until the sound stops.

7. When SDS is input, buzzer let you know by ringing 4times.
   (Frequency of SDS Buzzer is 2000Hz, 0.2sec Off/ 0.2sec On 4times)
8. After inputting SDS, SDS buzzer will ring.
9. After the completion of the data transmission, the consultant will explain the result of the smart diagnosis and advise accordingly.
   When the data transmission is completed, the refrigerator will be automatically turned off and on a few seconds later.

Be aware!

- Differences of regional call qualities may have influence on the function.
- If you use a home phone, better communication performance will enable much better service.
- Smart diagnosis data transmission may not be successful if the call is made from a mobile phone with poor cell reception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