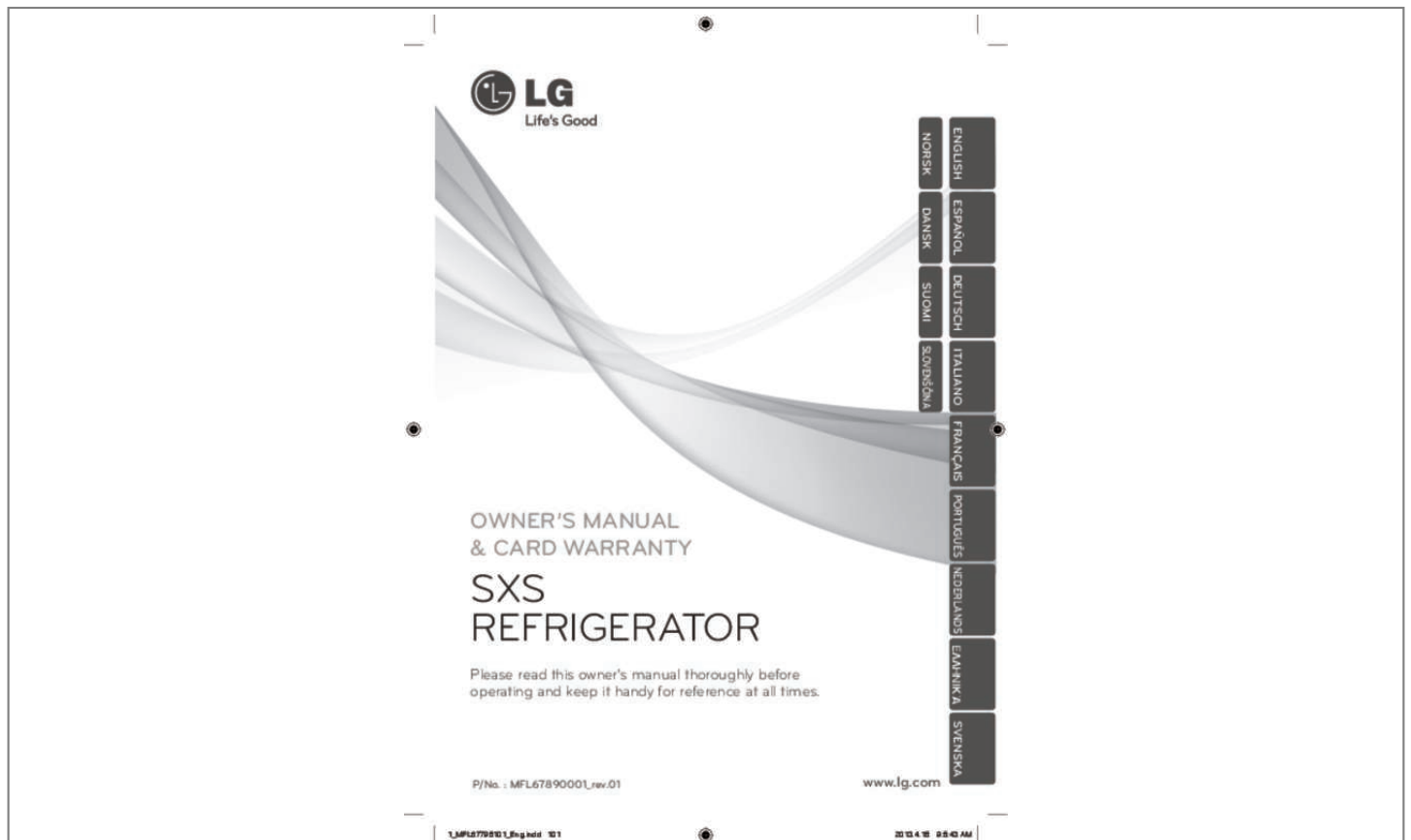




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You can read the recommendations in the user guide, the technical guide or the installation guide for LG GSL545NSYV. You'll find the answers to all your questions on the LG GSL545NSYV in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LG GSL545NSYV
User guide LG GSL545NSYV
Operating instructions LG GSL545NSYV
Instructions for use LG GSL545NSYV
Instruction manual LG GSL545NSYV



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Manual abstract:

Su 1 1_MFL67795101_Eng.indd 1 2013.4.15 9:5:43 AM Table of contents Introduction Entry Important safety instructions Identification of parts ENGLISH 3 3 6 7 8 9 9 10 12 12 20 21 21 22 22 23 23 23 24 25 26 27 28 28 29 30 31 Installation Where to Install Door removal Door replacement Feed water pipe installation Door Height adjustment Operation Starting Adjusting the temperatures and functions Refreshment centre(Applicable to some models only) Shelf Dairy corner Wine holder (Applicable to some models only) Deodorizer (Applicable to some models only) Freezer Compartment (Applicable to some models only) Egg box (Depends on model) Using door rack (Applicable to some models only) Freezer/Fridge door rack No Plumbing Ice & Water (Applicable to some models only) Suggestion on food storage Care and maintenance Location of foods Storing foods General information Suggestion for energy saving Cleaning Cleaning the water dispenser and the water tank.(Applicable to some models only) Smart Diagnosis Trouble shooting 2 1_MFL67795101_Eng.indd 2 2013.4.15 9:5:43 AM Introduction Entry The model and serial numbers are found on the inner case on the back or one side of the refrigerator compartment of this unit. These numbers are unique to this unit and are not available to others. You should record requested information here and retain this guide as a permanent record of your purchase.

Staple your receipt here. Date of purchase Dealer purchased from Dealer address Dealer phone no. @@This Refrigerator is intended for Domestic indoor use only. Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull it straight out from the outlet.

@@@Skin could adhere to these extremely cold surfaces. @Never touch the appliance with wet hands as you may receive an electric shock or injure yourself. Never damage, press, severely bend, pull or twist the power cord as damage to the cord may cause a fire or electric shock. Naver touch the cord if you are uncertain if the appliance is correctly earthed. The fuse on the refrigerator must be changed by a qualified technician or service company.

- Failing to do so may result in electric shock or personal injury. Never place glass items in the freezer as they may break due to expansion of their contents on freezing. Never put your hands into the storage bin of the automatic ice maker as you could be injured during its operation. The appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

Never allow anyone to climb, sit, stand or hang on the refreshment centre door. These actions may damage the refrigerator and even tip it over, causing severe personal injury. 3 Chil 1_MFL67795101_Eng.indd 3 2013.4.

15 9:5:43 AM Introduction Don't use an extension cord Accessibility of Supply Plug Supply Cord Replacement It is advised that this appliance should be connected through an independent power socket to prevent it and other appliances from overloading the circuit and causing a power outage. The appliance should be positioned so that the supply plug is easily accessible for quick disconnection should an accident occur. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard. Do not modify or extend the Power Cord length. It may cause electric shock or fire. Connect the power plug in proper position with the cord hanging down. - If you connect the power plug upside down, wire can get cut off and cause fire or electric shock. Make sure that the power plug is not squashed or damaged by the back of the refrigerator. Child entrapment ENGLISH WARNING DANGER: Risk of child entrapment. Before you dispose of your old refrigerator please remove doors but leave the shelves in place so that children cannot climb inside.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. WARNING WARNING WARNING Grounding (Earthing) Don't store Do not store or use gasoline or other flammable vapour and liquids in the vicinity of this or any other appliance. 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 earthed.

Improper connection of the earthing plug can cause electric shock. Consult a qualified electrician or service engineer if the earthing instructions are not completely understood, or if you have doubts as to whether the appliance is properly earthed. Do not move refrigerator while the refrigerator is operating.

Compressor may occur a temporary rattling noise. (This is normal and will not impact on the performance or the life of the compressor.

The rattling will stop after the refrigerator comes to a rest.) 4 1_MFL67795101_Eng.indd 4 2013.4.15 9:5:44 AM Introduction WARNING •K eep ventilation openings in the room where the appliance is installed clear of obstruction. D o not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer. D o not damage the refrigerant circuit. D o not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer. D isposal procedures. If disposing of this appliance, please consult with a service agent or a similarly qualified person for more details.

D o not store explosive substances such as aerosol cans with a flammable propellant in this appliance. D o not use aerosols near the refrigerator. - Aerosols used near the refrigerator may cause an explosion or fire. ENGLISH •••••This appliance may contain (Check the rating/compliance label for the refrigerant type and amount. Applicable to some models only) 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 1m² in size for every 8g of R600a refrigerant inside the appliance.



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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. 5 1_MFL67795101_Eng.indd 5 2013.

4.15 9:5:44 AM Introduction Identification of parts ENGLISH Model: GSL54*****, GSP54*****, GWL31****, GWP31**** Freezer Compartment Extra door rack (Optional) Automatic Icemaker Refrigerator Compartment Dairy Corner LED Lamp Shelf Wine rack (Optional) Shelf LED Lamp Process of freezing occurs the fastest on the marked shelf Door Rack Refreshment center (Optional) Shelf No Plumbing Ice & Water (Optional) Egg Box (Optional) Door rack Drawer (2) Door Rack Vegetable drawer Door Rack Door rack Model: GSL32*****, GSP32*****, GWL27****, GWP27**** Freezer Compartment Space plus Door rack Automatic ice maker LED Panel Refrigerator Compartment Egg Tray Dairy Corner Filter LED Panel Door rack Shelf Refreshment Centre (Optional) No Plumbing Ice & Water (Optional) Door rack Shelf Process of freezing occurs the fastest on the marked shelf Door rack Vegetable drawer Vegetable drawer Door rack Lower cover 6 NOTE Parts, features, and options vary by model. Your model may not include every option.

1_MFL67795101_Eng.indd 6 2013.

4.15 9:5:45 AM Installation Where to Install Select a good location 1. Place your appliance where it is easy to use. □ 2. Avoid placing the unit near heat sources, direct □ sunlight or moisture. Do not operate the appliance outdoors where it can be exposed directly, or indirectly to sun, wind and rain. 3. To ensure proper air circulation around the □ fridge-freezer, please maintain sufficient space on both the sides as well as top and maintain at least 2 inches (5 cm) from the rear wall. 4. To avoid vibrations, the appliance must be levelled.

5. Do not install the appliance in temperatures of less than 5°C as the □ performance may be affected. Appliance usage range 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. Keep it at a proper distance More than 5 cm to back ENGLISH Before Installation The appliance must be positioned so that the plug is accessible after installation. Never use gas pipes, telephone lines or other potential lightening rods as ground. - Improper use of the ground plug can result in electric shock. If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center. If any dust or water is in refrigerator, pull out power plug and contact your LG Electronics service center. - There is a risk of fire. The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connect to a potable water supply only.

Use only the ice maker provided with the refrigerator. When installing, servicing or cleaning behind the refrigerator, be sure to pull the unit straight out and push back in straight after finishing. After unpacking, keep the packing materials out of reach of children. - There is a risk of death from suffocation if children put them over their head. WARNING 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 packaging materials should be sent to the collection centre for recycling. For details of your local recycling centre, please contact your local council.

Ensure that none of the pipes on the back of the appliance are damaged prior to disposal. 7 1_MFL67795101_Eng.indd 7 2013.

4.15 9:5:45 AM Installation Door removal Efreezer. □ Method 1 (recommended) Open the door and adjust the level by using a nut of height adjusting screw on the lower side of a door with a spanner. Raising Raising Door Up Door Up Release Preventing Nut Adjust Hinge Pin Height difference Spanner Lower Door Down m2) □ Method 2 1. □ sing large side of spanner, rotate release-preventive nuts (U release rotate release-preventive nuts' tightness.) clockwise to) clockwise or () counter-clockwise 2. □ otate the Adjust-hinge pin either (R using a narrow side of a spanner to adjust the level difference between the refrigerator door and freezer door. 3. □ fter adjusting door height, please firmly tighten the Release-prevention nuts A () counter-clockwise to the end. e Raising Door Up Nut Releasing Release Preventing Nut Adjust Hinge Pin Lower Door Down Nut Tightening CAUTION After levelling the door height Next • Do not adjust the height level too much.

The hinge pin can be fallen out. (Range of height adjustment : Max. 3mm) The refrigerator doors will close smoothly by adjusting the front side using the height adjustment screw. If the doors do not close correctly, performance may be affected. 1. □ ipe off all dust accumulated during shipping and clean your appliance thoroughly. W 2. □ nstall accessories such as the ice cucally makes 6 cubes of ice at any one time, which equals approximately 50-60 cubes per day.

These quantities, however, may vary according to climatic conditions. E.

g. the duration and amount of times the refrigerator door is opened. I □cemaking stops when the ice storage bin is full. I □ If you don't want to use the automatic icemaker, turn the icemaker switch to OFF. If you want to use automatic icemaker again, change the switch to ON.

NOTE T □ he sound produced when the ice drops into the ice storage bin is normal, and is not caused by a defect. • □ o not press the test button continuously when the tray is filled with ice or water D – Water may overflow or ice jamming may occur. • □ hen the bucket is not installed, the ice maker does not work. W

••• WARNING ••• Do not put your hands into the Ice maker during operation. You may injure yourself.

Do not store ice (cubes) for longer than two weeks., they can cause the dispenser to malfunction as the ice cubes clump together. 15

1_MFL67795101_Eng.indd 13 2013.4.15 9:5:53 AM Operation Precautions when using the dispenser (on some model) To get cold water The dispensed water will not be icy cold, but just cool or cold. If you want colder water, dispense ice before dispensing water. If you have difficulty in replacing the ice storage bin Rotate the rotary gear in 1/4 cycle as shown in the illustration and then push it back. □ □ NOTE • ENGLISH Figure depends on model. When the ice dispenser will not operate properly It is normal that the ice maker will not operate correctly when there is only a small amount of ice left in the storage bin.

Allow approximately one day for the ice maker to restock. If the ice forms into a solid lump and interrupts the operation of the automatic ice maker mechanism, remove the ice storage bin, separate the ice, discard the inseparable ice, and put the usable ice pieces back into the bin.



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The intermittent dispensing of ice is normal. However, since ice may get stuck and block the ice chute, regularly check the ice chute and clear any obstacles.
□ □ NOTE • Figure depends on model. WARNING N □ aver insert your hand or any other object into the ice chute as this may damage dispenser parts or cause injury to the hand. • □ f ice is discoloured, stop using the dispenser and call the service centre. I • □ o not touch the blade □ a as it may injure D the hand. • □ aver insert your hands into the ice maker N during operation. It may cause injury □.

• □ o not allow your children to hang off the ice D dispenser or the ice storage bin. This could cause injury. • 16 □ 1_MFL67795101_Eng.indd 14 2013.4.15 9:5:54 AM Operation When ice maker does not operate smoothly Ice is lumped together W □ hen ice is lumped together, take the ice lumps out of the ice storage bin, break them into small pieces, and place them back into the ice storage bin. • □ hen the ice maker produces small or lumped together ice, the amount of water W supplied to the ice maker may need to be adjusted. Contact the service centre. * If ice is not used frequently, it may lump together. •

ENGLISH Power failure • I □ ce may melt and drop into the freezer compartment.

Take the ice storage bin out and discard all the ice then dry it and place it back. After the machine is powered again, crushed ice will be automatically selected. The unit is newly installed • I □ t takes about 12 hours for a newly installed refrigerator to make ice in the freezer compartment. W □ hen the door is open, the Ice and water dispenser do not work. If you close the door hard, it may cause water spilling over the ice maker. • To prevent dropping the ice bucket, use both hands when removing it. • To prevent injury, be sure to clean up any ice or water that may have dropped on the floor. • Before being used, the leakage in these places should be examined. • To prevent dropping the ice bucket, use both hands when removing it. • If Water leakage occurs due to improper installation, Please contact installer.

• • CAUTION The other functions Door open warning A □ warning bleep will sound 3 times every 30 seconds if the main or minibar door is left open or ajar for more than a minute. • □ lease contact your local service centre if the warning continues to sound when the P door is closed. • Diagnosis (failure detection) function T □ he Diagnosis function automatically detects the problem when a failure is found whilst using of refrigerator. • □ f a fault occurs, and none of the refrigerator buttons or functions are working, do not I turn power off but immediately contact your local service centre. Once powered off it may not be possible for a service engineer to use the Diagnosis function to detect what caused the original fault. • WARNING • • U □ se only the LED Lamps provided by manufacturer or service agents. D □ o not disassemble or repair the refrigerator by yourself. - You run risk of causing a fire, malfunction and/or personal injury. □ In case of malfunction, please contact your service agents. 17 1_MFL67795101_Eng.

indd 15 2013.4.15 9:5:54 AM Operation How ice/cold water is supplied Water is cooled while stored in the water tank in the refrigerator compartment, and then sent to the dispenser. Ice is made in the automatic ice maker and is then sent to the dispenser as either crushed or cubed ice. NOTE • ENGLISH I □ t is normal that at first the water is not very cold.

If you want colder water, add ice to the glass. Throw away the first ice (about 20 pieces) and the first water (about 7 glasses) passing through the appliance when the refrigerator is initially installed. The first ice and water may include particles or odour from the feed water pipe or the feed water box. The should also be done if the refrigerator has not been used for a long time. Keep children away from the dispenser.

Children may push the dispenser switch incorrectly, or damage the dispenser by breaking associated parts. It may also cause them injury. Always ensure that food does not block the ice chute. If foods are placed at the entrance of the ice chute, ice may not be dispensed. The ice chute may become covered with ice powder if crushed ice is most commonly used. Remove the accumulated ice powder. Never store beverage cans or other foods in the ice storage bin for rapid cooling. This may damage the automatic ice maker. Never use fine crystal glasses or crockery to collect ice. Such glasses or containers may be broken.

Put ice into a glass before filling with water or other beverages. Water may be splashed if ice is added after the drink. Never touch the ice outlet either with hands or any implement. Touching the ice outlet may cause a breakage or hand injury. Never remove the ice maker cover. It might be necessary from time to time to level the ice so the storage bin can fill to capacity. If ice is allowed to pile up near the ice maker, the ice maker may think that it is already full and it will stop producing ice. If discolored ice is dispensed, stop using the appliance and contact your serv-ice centre immediately. Ice may be jammed in ice chute causing the refrigerator to fail. Never use narrow or deep glassware when using the icemaker as ice can back up into the ice chute and cause a malfunction. Keep the glass at a proper distance from ice outlet. A glass too close to the outlet may hinder ice from coming out. WARNING Do not store articles on the top of the appliance. - When you open or close the door, the articles may fall and cause personal injury and/ or material damage. • Do not insert your hands into the bottom area under the appliance.

- Any sharp edges may cause personal injury. • Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside of the refrigerator. - There is a risk of children entrapment and serious personal injury because of low temperature. • Do not let children step on drawer's cover. - It may break and cause slip hazard.

• 18 1_MFL67795101_Eng.indd 16 2013.4.15 9:5:54 AM Operation Lock This button locks the other buttons • ENGLISH Express Freezer Dispenser light (on some model) Filter condition (filter replacement cycle) display function (on some model) Water tank condition (on some model) 19 1_MFL67795101_Eng.indd 17 L □ ocking or Release is repeated whenever the is pressed for more than 3 seconds. I □ f you use the lock button, none of the other buttons will work until you unlock them. LOCK UNLOCK • Please select this function for fast freezing. • O □ FF □ ON □ OFF is repeated whenever pressing button. @ @ @ @ T □ he water filter should be replaced every six months. @ @ @ @ @ Otherwise, the light will not turn on.

• □ his button has no function. @ @ @ @ @ □ ever rest or press on the open minibar door. @ @ @ @ @ Lift the shelf slightly up after pulling it half way.



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3. While holding the shelf slightly, tilt the shelf to pull it out. Dairy corner How to use You can store dairy goods such as butter, cheese etc. How to disassemble Hold the basket with both hands and pull it out by pulling it up (1). If you close the refrigerator door with the dairy corner I left open on the door side, the refrigerator door may not be closed properly. Therefore you must be careful. Wine holder (Applicable to some models only) Bottles can be stored laterally with this wine rack.

21 1_MFL67795101_Eng.indd 19 2013.4.15 9:5:56 AM Operation Deodorizer (Applicable to some models only) Fresh Air Filter This system efficiently absorbs strong odours by using an optical catalyst. This system does not have any affect on stored food.

Deodorizing system Vegetable compartment Opti Temp (Optional)/ Fresh compartment (Optional) ENGLISH How to use the deodorizing system •• The deodorizer is located behind the vegetable compartment. It can be removed for cleaning with soapy warm water from time to time. Please use closed containers to store pungent food. It can be broken. Turn off the ice maker ().

Assemble the door rack with care. Insert into bottom hole (). Turn the security switch to the "CLOSE" position. Turn the cap of the water tank in Open direction to open it. Open the water bottle and connect the cap. When the water in the water tank is low, the size of the ice cubes may become smaller. W It's a good idea to clean out the water tank initially before filling it with water and placing it into position. The method of using the Dispenser and Ice Maker is the same as other common Dispenser T models. When using the water bottle instead of the water tank, do not throw away the water tank. W Because the water tank can get heavy, don't let children use or hold the water tank, B especially with one hand.

You may hear the water pump operating 9~10 times per day. Y If you remove the water bucket, you can use the storage space more widely. I (However, you will not be able to use the dispenser and auto icemaker.) • 24 1_MFL67795101_Eng.indd 22 2013.4.15 9:6:0 AM Suggestion on food storage Location of foods Wine holder Snack drawer Freezer compartment shelf Freezer compartment door rack Freezer compartment drawer Store wine. ENGLISH (Refer to identification of parts) Store small foods such as bread, snacks, etc.. Store various frozen foods such as meat, fish, ice cream, frozen snacks, etc.

•• Temperature is likely to increase as door opens. T So, do not store long-term food such ice cream, etc.. Store small packed frozen food. Store meat, fish, chicken, etc.. after wrapping them with tin foil. Milk product corner Egg box Refreshment center Refrigerator compartment shelf Refrigerator compartment door rack Vegetable drawer Store dry. Store milk products such as butter, cheese, etc.

. Place this egg box in the proper location. Store foods of frequent use such as beverage, etc.. Store side dishes or other foods at a proper distance. Store vegetables or fruits. Vegetable drawer/meat drawer conversion corner Store vegetable, fruits, meat to thaw, raw fish, etc... setting the conversion switch as necessary.

Be sure to check the conversion switch setting before storing foods. 25 1_MFL67795101_Eng.indd 23 2013.4.15 9:6:1 AM Suggestion on food storage Storing foods ENGLISH CAUTION • S Store fresh food in the refrigerator compartment. How food is frozen and thawed is an important factor in maintaining its freshness and flavour. D Do not store food which goes bad easily at low temperatures, such as bananas, and melons. A Allow hot food to cool prior to storing. Placing hot food in a refrigerator could spoil other food, and lead to higher energy consumption. W When storing food, cover it 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. D Do not block air vents with food. D Do not open the door frequently. D Do not overfill the refrigerator with food. - This may result in electric shock or fire. D Do not refreeze food that has been thawed. This causes loss of taste and nutrients. D Do not touch cold foods or containers - especially metallic containers - with wet hands or place glass products in the freezer compartment. ••••• Freezer Compartment •••• CAUTION • - You may get chill blains, and glass containers may break when frozen, causing Y personal injury. Refrigerator Compartment • CAUTION A void placing sauces on top refrigerator shelves, which could freeze on 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, to prevent adjacent food from spoiling. W When storing eggs in their storage rack or box, ensure that they are fresh, and always store them in an upright position, which keeps them fresh longer. NOTE ••• I If you keeping the refrigerator in a hot and humid place, frequently open the door or store a lot of vegetables, dew may form. This has no effect on operation or performance. Remove the dew with an absorbent dry cloth. 26 1_MFL67795101_Eng.indd 24 2013.4.15 9:6:2 AM Care and maintenance 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 not to operate, remove all food, disconnect the power cord, clean the interior thoroughly, and leave each door OPEN to prevent odour formation. And won't use water or ice dispensers, close the water valve. - Otherwise, water leakage may occur. Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off. If the products equipped with LED Lamp, do not disassemble Lamp Cover and LED Lamp by yourself. - Please contact your service agents. Remove or securely fasten down all loose items inside the refrigerator. To avoid damaging the height adjusting screws, turn them all the way into the base.

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 through the refrigerator to prevent "sweating" on the outer cabinet wall. ENGLISH Power failure If you move Anti condensation pipe Understanding sounds you may hear Your new refrigerator may make sounds that your old one didn't make. Because the sounds are new to you, you might be concerned about them.

Most of the new sounds are normal. Hard surfaces, like the floor, walls and cabinets, can make the sounds seem louder than they describes the kinds of actually are.



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The following sounds and what may be making them: • T The defrost timer will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control, depending on the model) will also click when cycling on and off. R Attling noises may come from the flow of refrigerant, the water line, or items stored on top of the refrigerator.

Y You refrigerator is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new refrigerator to run longer than your old one, and you may hear a pulsating or high-pitched sound. Y You may hear the evaporator fan motor circulating the air through the refrigerator and freezer compartments. A As each cycle ends, you may hear a gurgling sound due the refrigerant flowing in your refrigerator.

C Contraction cause a popping noise to and expansion of the inside walls may a popping noise. W Water dripping on the defrost heater during a defrost cycle may cause a sizzling sound. Y You may hear air being forced over the condenser by the condenser fan. Y You may hear water running into the drain pan during the defrost cycle. • A • • • • • • • • 27 1_MFL67795101_Eng.indd 25 2013.

4.15 9:6:2 AM Care and maintenance Suggestion for energy saving • • ENGLISH P Please do not keep the door open for a long time, close door in the shortest time. S Storing too much food is not recommended. Sufficient space should be left to ensure proper air circulation. D Do not set the temperature of fridge freezer lower than needed. Do not put food near the temperature sensors. Keep the distance of at least 5mm from the sensors. A Allow hot food to cool prior to storing. Placing hot food in the fridge freezer could affect other food, and lead to higher energy consumption. D Do not block air vents.

Smooth circulation of cold air maintains the appropriate temperature. D Do not open the door frequently. Opening the door lets warm air enter the fridge freezer, and causes the temperature to rise. T The configuration of shelves, baskets and drawers supplied by the manufacturer is the most efficient in terms of energy saving • • • • • Cleaning It is important that your refrigerator be kept clean to prevent undesirable odours. Spilled food should be wiped up immediately, since it may acidify and stain plastic surfaces if allowed to settle.

Exterior Use a luke warm solution of mild soap or detergent to clean the durable finish of your refrigerator. Wipe with a clean damp cloth and then dry.

Regular cleaning is recommended. Wash all compartments with a baking soda solution or a mild detergent and warm water. Rinse and dry.

Please verify that the power cord is not damaged, power plug is not overheated, or power plug is well inserted into the wall outlet socket. Always remove power cord from the wall outlet prior to cleaning near to electrical equipment (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 an electric shock. Never use metallic scouring pads, brushes, coarse abrasive cleaners, strong alkaline solutions, flammable or toxic cleaning liquids on any surface. Do not touch frozen surfaces with wet or damp hands, because damp object will stick to extremely cold surfaces. D Do not directly spray water inside or outside the refrigerator. - There is a risk of fire or electric shock. • Do not spray cleaning products directly on the display. - Printed letters on the display D may come off.

• Do remove any foreign matter or dust from the power plug pins. But do not use a wet R or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins. - Otherwise there is a risk of fire or electric shock. • Interior After cleaning WARNING CAUTION 28

1_MFL67795101_Eng.indd 26 2013.4.15 9:6:2 AM Care and maintenance Cleaning the water dispenser and the water tank. (Applicable to some models only) Frequency of cleaning: every 2 months or when is needed. Procedure: 1. Before cleaning pour out water from the water tank.

2. Mix 0.5ℓ of water with proper amount of dispenser cleaning product (and then pour it into the water tank). Do not use any harsh chemicals. 3.

Dispense 1 cup of solution and leave the rest of it inside dispenser system for time shown on the cleaning product label. Do not drink water from the dispenser while all the cleaning process! 4. Dispense rest of the solution until the tank is empty. 5. Clean the water tank with a soft sponge and rinse it under tap water.

6. Fill the water tank with fresh water. Dispense 3 cups of water, one after another with 20s breaks. Fill the water tank with boiled water and dispense one cup. 7. Check taste of water. If the taste is tainted repeat action no.6 until water has non-suspicious taste. We recommend NOT to leave water inside the water tank for more than 2 days. ENGLISH Occurrence Sediment seeninside the water tank Bad smell and taste of water 29 1_MFL67795101_Eng.

indd 27 Possible cause Type of water supply or water dispenser needs cleaning. Water not dispensed for extended period. Solution Clean the water tank.

Always boil water before placing it into the water tank. Pour out old water. Clean the water tank. Fill the water tank with new water. 2013.4.15 9:6:2 AM Care and maintenance Smart Diagnosis Model: GSL54****, GSP54****, GWL31****, GWP31**** ENGLISH Should you experience any problems with your refrigerator, it has the capability of transmitting data via your telephone to the LG service center.

This gives you the capability of speaking directly to our trained specialists. The specialist records the data transmitted from your machine and uses it to analyze the issue, providing a fast and effective diagnosis. If you experience problems with your refrigerator, call to the LG service center. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent. The transmission sounds that you will hear are normal and sound similar to a fax machine.

Smart Diagnosis cannot be activated unless your refrigerator is connected to power. If your refrigerator is unable to turn on, then troubleshooting must be done without using Smart Diagnosis. Using Smart Diagnosis First, call to the LG service center. Only use the Smart Diagnosis feature when instructed to do so by the LG call center agent. L 1.

Lock the display. To lock the display, press and hold the Lock button for three seconds. (If the display has been locked for over five minutes, you must deactivate the lock and then reactivate it.) 2. Open the right refrigerator door. 3. Hold the mouthpiece of your phone in front of the speaker H that is located on the right hinge of the refrigerator door, when instructed to do so by the call center. 4. Press and hold the Freezer Temperature button for three seconds P while continuing to hold your phone to the speaker. 5.

After you hear three beeps, release the Freezer Temperature button.



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A 6. Keep the phone in place until the tone transmission has finished. This takes about 3 seconds, and the display will count down the time. Once the countdown is over and the tones have stopped, resume your conversation with the specialist, who will then be able to assist you in using the information transmitted for analysis. NOTE • • re he F or best results, do not move the phone while the tones are being transmitted. If the call center agent is not able to get an accurate recording of the data, you may be asked to try again. Call all quality differences by region may affect the function. Use the home telephone for better communication performance, resulting in better service. Bad call quality may result in poor data transmission from your phone to the machine, which could cause Smart Diagnosis to not work properly.

• • • 30 1_MFL67795101_Eng.indd 28 2013.4.15 9:6:3 AM Care and maintenance Trouble shooting Before calling for service, review this list. It may save you both time and expense.

This list includes common occurrences that are not the result of defective workmanship or materials in this appliance. ENGLISH Occurrence Running of refrigerator Possible cause Solution Refrigerator compressor does not run. Refrigerator control is off. Refrigerator is in defrost cycle. Set refrigerator control.

See setting the controls. This is normal for a fully automatic defrosting refrigerator. The defrost cycle occurs periodically. Make sure plug is tightly pushed into outlet. Call your electricity supplier. This is normal. Larger, more efficient units run longer in these conditions. It is normal for the refrigerator to work harder under these conditions. It takes some hours for the refrigerator to cool down completely. Warm food will cause the refrigerator to run longer until the desired temperature is reached.

Warm air entering the refrigerator causes it to run longer. Open the door less often. Make sure the refrigerator is level. It is normal for the refrigerator to have a slight lean backwards. Keep food and containers from blocking door. See problem section OPENING/ CLOSING of doors. Set the refrigerator control to a warmer setting until the refrigerator temperature is satisfactory. Clean or change gasket. Leaks in the door seal will cause refrigerator to run longer in order to maintain desired temperatures. Plug at wall outlet is disconnected.

Power outage. Check house lights. Refrigerator compressor runs too often or too long. Refrigerator is larger than the previous one you owned. Room or outside weather is hot.

Refrigerator has recently been disconnected for a period of time. Large amounts of warm or hot food may have been stored recently. Doors are opened too frequently or too long. Refrigerator or freezer door may be slightly open. Refrigerator control is set too cold.

Refrigerator or freezer gasket is dirty, worn, cracked, or poorly fitted. Thermostat is keeping the refrigerator This is normal. Refrigerator goes on and off to at a constant temperature. keep the temperature constant. 31 1_MFL67795101_Eng.indd 29 2013.4.15 9:6:3 AM Care and maintenance Occurrence Refrigerator compressor does not run Possible cause Thermostat is keeping the refrigerator at a constant temperature. Solution Set refrigerator control. See setting the controls.

ENGLISH Temperatures are too cold Temperature in the freezer is too cold but refrigerator temperature is satisfactory. Temperature in the refrigerator is too cold but freezer temperature is satisfactory. Food stored in drawers freezes. Meat stored in fresh meat drawer freezes. Freezer control is set too cold. Set freezer control to a warmer setting until the freezer temperature is satisfactory. Refrigerator control is set too cold. Set refrigerator control to a warmer setting until the refrigerator temperature is satisfactory. n Refrigerator control is set too cold. Meat should be stored at a temperature just below the freezing point of water (32°F, 0°C) for maximum fresh storage time.

See above solution. It is normal for ice crystals to form due to the moisture content of meat. r ol Temperatures are too warm Temperatures in the refrigerator or freezer are too warm. Freezer control is set too warm. Set the refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory.

Set the refrigerator control to a colder setting until the freezer or refrigerator temperature is satisfactory. Warm air enters the refrigerator/freezer whenever the door is opened. Open the door less often. Close the door completely. Wait until the refrigerator or freezer has a chance to reach its selected temperature. A refrigerator requires some hours to cool down completely. Do not place food items inside the refrigerator until it has initially reached its set temperature, or has cooled down considerably. Set the refrigerator control to a colder setting. o al Refrigerator control is set too warm. Refrigerator control has some effect on freezer temperature. Doors are opened too frequently or too long. Door is slightly open. Large amounts of warm or hot food may have been stored recently. Refrigerator has recently been disconnected for a period of time. G/ al o Temperature in the Refrigerator control is set too warm.

refrigerator is too warm but the freezer temperature is satisfactory. 32 1_MFL67795101_Eng.indd 30 2013.4.15 9:6:3 AM Care and maintenance Occurrence Possible cause Today's refrigerators have increased storage capacity and maintain more even temperatures. Refrigerator operates at higher pressures during the start of the ON cycle. Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly. Refrigerator control is set too cold. Items placed on the top of the refrigerator are vibrating.

@ @ Louder sound levels when compressor comes on. @ @ @ See above solution. Remove items. It is normal for dishes to vibrate slightly. Move dishes slightly.

Make sure refrigerator is level and firmly set on floor. It is normal for the refrigerator to have a slight lean backwards. @ @ The weather is hot and humid which increases the rate of frost buildup and internal sweating. Door is slightly open. Door is opened too often or too long.

This is normal. See problem section opening/closing of doors. Open the door less often. Water/Moisture/ Ice outside refrigerator Moisture forms on the outside of the refrigerator or between doors. Weather is humid. This is normal in humid weather. When humidity is lower, the moisture should disappear. This time, close the door completely. Door is slightly open, causing cold air from the inside the refrigerator to meet warm air from the outside. 33 1_MFL67795101_Eng.

indd 31 2013.4.15 9:6:4 AM Care and maintenance Occurrence Possible cause Solution ENGLISH Odours in refrigerator Interior needs to be cleaned. Food with strong odour is in the refrigerator. Some containers and wrapping materials produce odours. Clean interior with sponge, warm water and baking soda. Cover food completely. @ @ Food package is keeping door open.



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Door was closed too hard, causing other door to open slightly. Refrigerator is not level.

It rocks on the floor when it is moved slightly. Floor is uneven or weak. Refrigerator rocks on the floor when it is moved slightly. Move packages that keep door from closing. Close both doors gently.

Adjust the height adjusting screw. Be sure floor is level and can adequately support refrigerator. Contact carpenter to correct sagging or sloping floor. It is normal for the refrigerator to have a slight lean backwards. Move refrigerator.

Keep less food in drawer. @@Drawers are difficult to move. Food is touching shelf on top of the drawer. @@Freezer temperature is set too warm. @@Turn the freezer control to a higher setting so that ice cubes will be made. When the first supply of ice is made, the dispenser should operate. Open household water line valve and allow sufficient time for ice to be made. When ice is made, dispenser should operate. Be sure both doors are closed. Household water line valve is not open.

Refrigerator or freezer door is not closed. 34 1_MFL67795101_Eng.indd 32 2013.4.15 9:6:4 AM Care and maintenance Occurrence Dispenser will not dispense ice. Possible cause Ice has melted and frozen around auger due to infrequent use, temperature fluctuations and/or power outages. Ice cubes are jammed between the icemaker arm and back of the bin. Ice cubes are frozen together. Ice cubes that have been purchased or made in some other way have been used in the dispenser. Solution Remove ice storage bin, and thaw and the contents.

Clean bin, wipe dry and replace in proper position. When new ice is made, dispenser should operate. Remove the ice cubes that are jamming the dispenser.

Only the ice cubes made by the ice maker should be used with the dispenser. Use a different container or brand of wrapping materials.

Open household water line valve. ENGLISH Ice dispenser is jammed. Dispenser will not dispense water. Household water line valve is not open. See problem "Ice maker is not making any ice.

"Refrigerator or freezer door is not closed. Be sure both doors are closed. Dispense and discard 7 glasses of water to freshen the supply. Dispense and discard an additional 7 glasses to completely rinse out tank. Connect unit to cold water line which supplies water to kitchen tap. Water has an odd taste and/or odour. Water has been in the tank for too long. Unit not properly connected to cold water line. Sound of ice dropping Sound of water supply The display shows the word OFF (After 20 seconds the word OFF disappears but the refrigerator is still in the DEMO MODE). Other This sound is normally made when automatically made ice is dropped into ice storage bin.

Volume may vary according to refrigerator's location. This sound is normally made when ice maker is supplied with water after dropping the automatically made ice. The refrigerator is in the Demo(Demonstration) Mode. The Demonstration Mode disables the cooling system, only the lighting system and the display operate in a regular way. To disable the Demo Mode open the door and holding down the Fridge button press the EXPRESS F button 3 times. After deactivating the Demo Mode, the previously set values will appear. Please thoroughly read 'Automatic ice maker and dispenser' in this manual. 35

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15 9:6:4 AM Care and maintenance DISPOSAL OF YOUR OLD APPLIANCE ENGLISH 1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC. 2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities. 3.

The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. 4. For more detailed information about disposal of your old appliance, please contact your local Council, waste disposal service or the shop where you purchased the product. ng

This product contains fluorinated greenhouse gases covered by the Kyoto Protocol (Optional). • Information of fluorinated greenhouse gases used as refrigerant of this refrigerator.

Chemical name R-600a Composition of Gases 100% CH(CH₃)₃ Total GWP (kg CO₂-eq) <3 es e 36 1_MFL67795101_Eng.indd 34 2013.4.15 9:6:5 AM .



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