



USER GUIDE

TF55152S

55cm Fridge Freezer

Introduction

Thank you for buying this high quality appliance!

This handbook is designed to help you through each step of owning your new appliance, from installation, to use.

Please read through this entire guide carefully before you start using your appliance, as we have endeavored to answer as many questions as possible, and provide you with as much support as we can.

If, however, you should find something missing, or not covered, please contact the Lec Customer Care team who will be only too happy to assist you on:

0844 815 3737

Our policy is one of constant development and improvement, therefore we cannot guarantee the strict accuracy of all of our illustrations and specifications changes may have been made subsequent to publishing.



WARNING!

In order to ensure normal operation of your refrigeration appliance, which uses an environmentally friendly refrigerant R 600a (flammable) you must observe the following rules:

- Do not prevent the circulation of the air around the appliance.
- Do not use mechanical devices to accelerate the defrosting, other than ones recommended by the manufacturer.
- Do not damage the refrigeration circuit.
- Do not use electrical appliances inside the food storage compartment, other than those that have been recommended by the manufacturer.

GB/E Contents

Description	Page
Safety first	7
Electrical requirements	8
Transportation instructions	8
Installation instructions	8
Getting to know your appliance	9
Suggested arrangement of food in the appliance	9
Temperature control and adjustment	10
Before operating	10
Storing frozen food	11
Freezing fresh food	11
About Fresh Food	11
No frost Technology	11
Making ice cubes	12
Defrosting	12
Replacing the interior light bulb	12
Cleaning and care	12
Repositioning the door	13
Do's and don'ts	13
Information about operating noises	14
Troubleshooting	15
Technical data	15
Changing the plug	16

Getting To Know Your Appliance

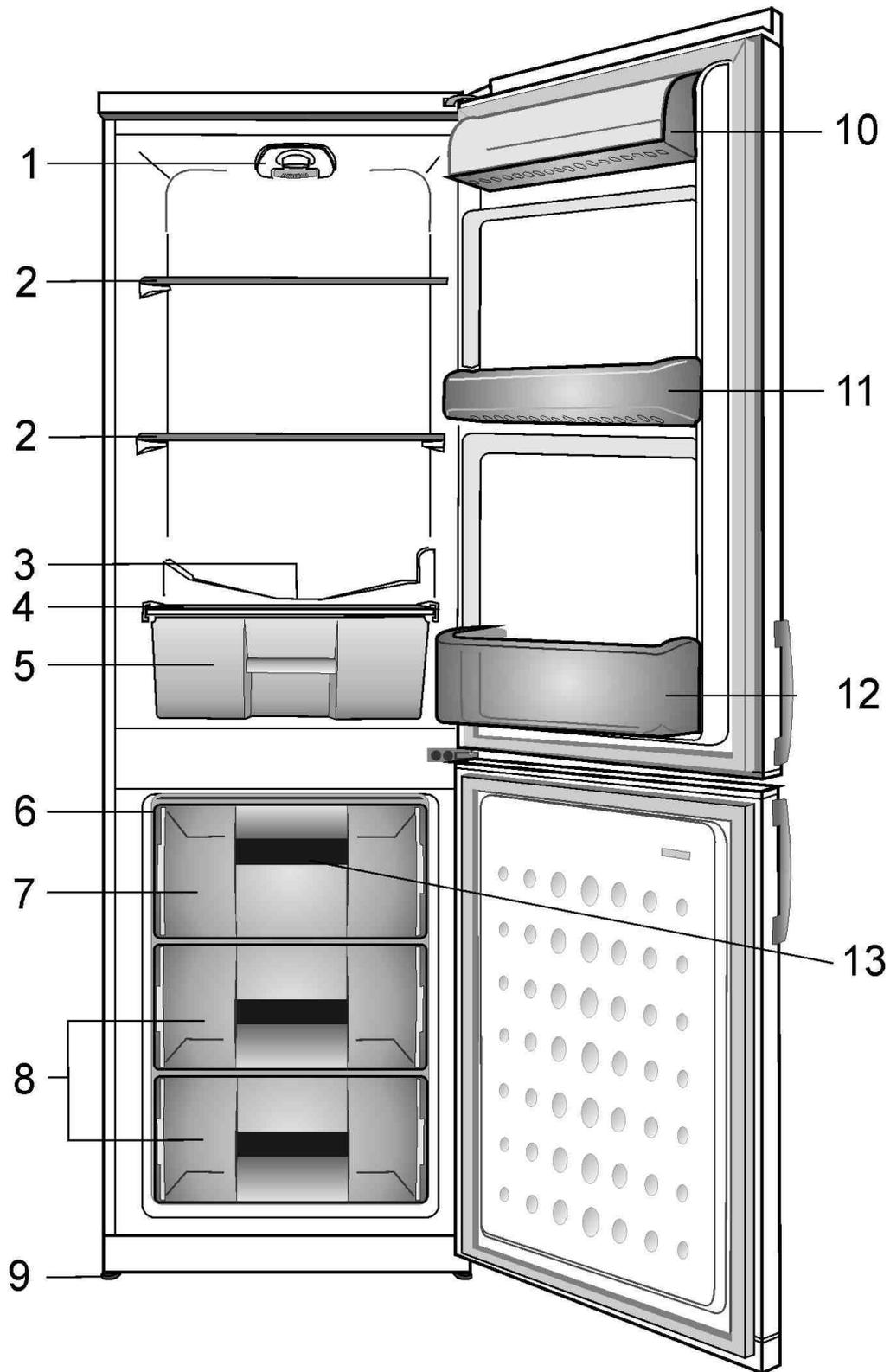


Fig 1

General Installation & Maintenance

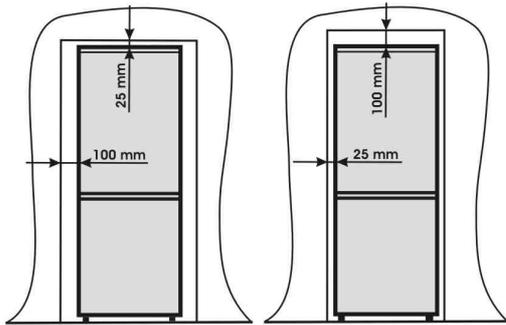


Fig 1

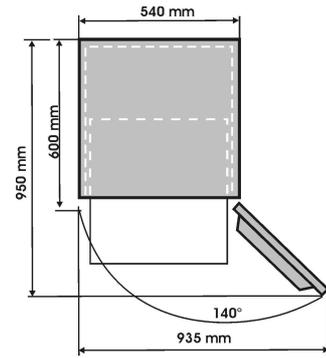


Fig 2

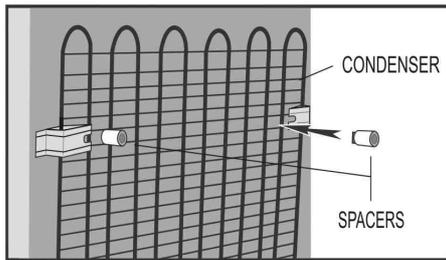


Fig 3

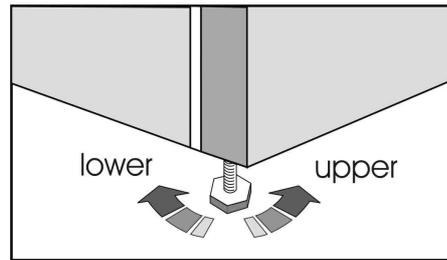


Fig 4

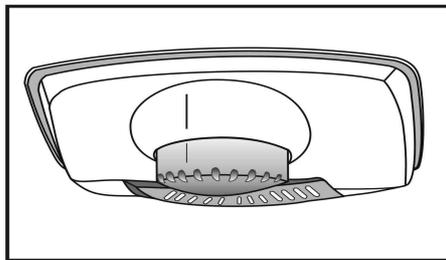


Fig 5

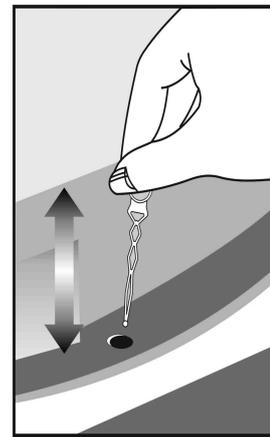


Fig 6

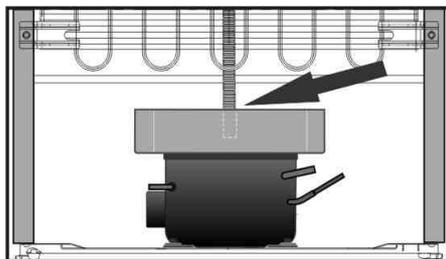


Fig 7

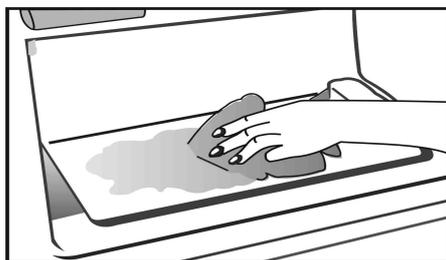


Fig 8

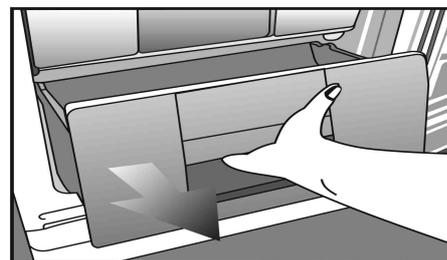


Fig 9

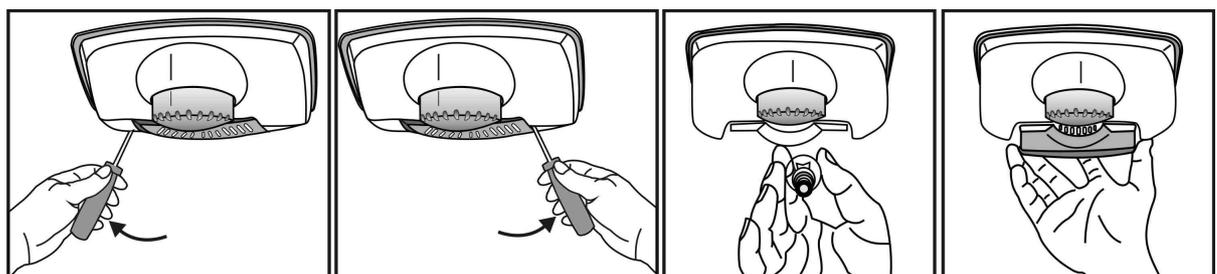


Fig 10

Repositioning The Door

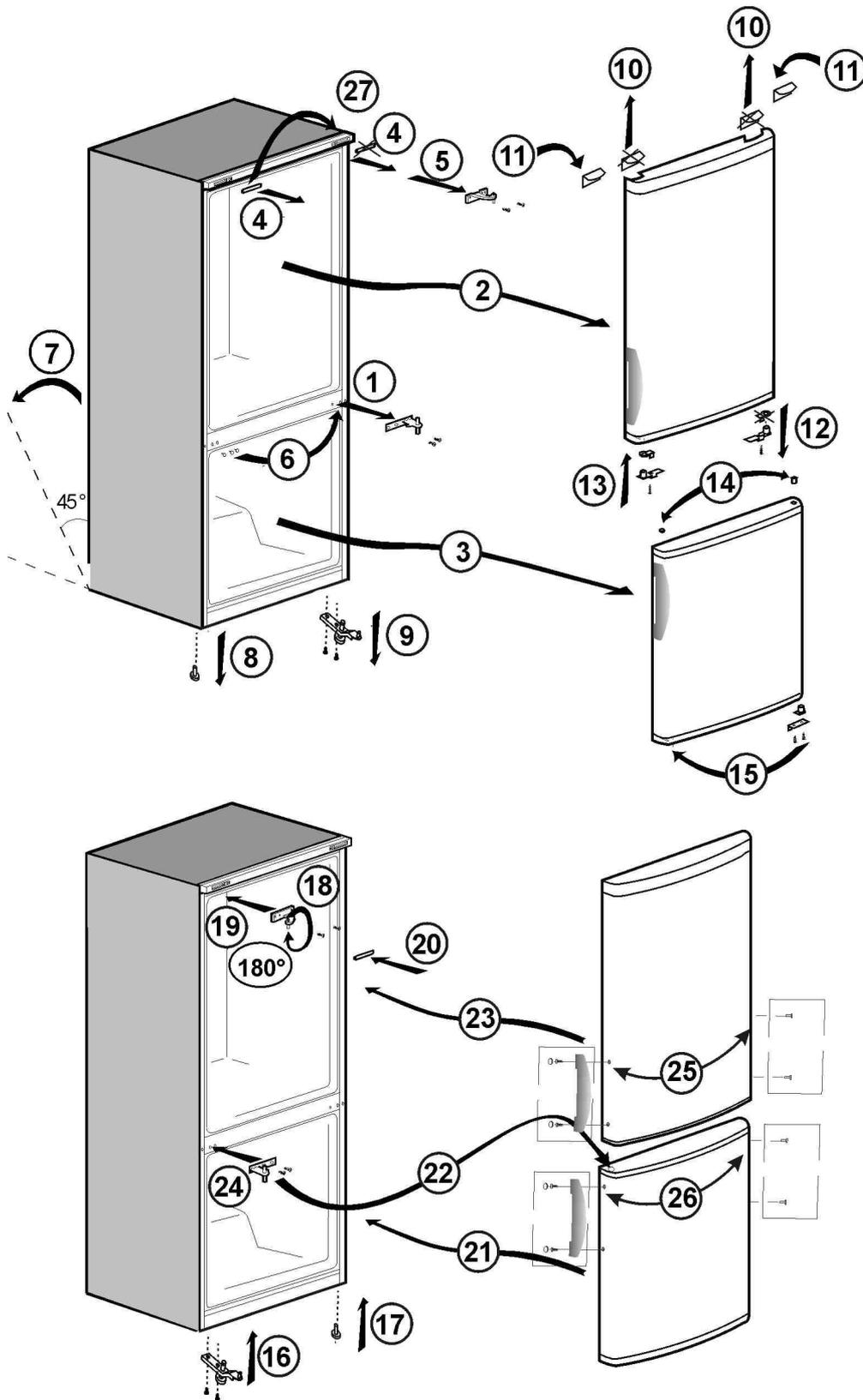


Fig 11

Congratulations on your choice of a **LEC** Quality Appliance, designed to give you many years of service.

Safety first!

Do not connect your appliance to the electricity supply until all packing and transit protectors have been removed.

- Leave to stand for at least 12 hours before switching on, to allow the refrigerant to settle.
- If you are discarding an old appliance with a lock or latch fitted to the door, ensure that the lock is disabled or broken, to prevent children becoming trapped inside.
- This appliance must only be used for its intended purpose.
- Do not set fire to this appliance. Your appliance contains non CFC substances in the insulation which are flammable. We suggest you contact your local authority for information on disposal and available facilities.
- We do not recommend use of this appliance in an unheated, cold room. (e.g. garage, conservatory, annex, shed, out-house etc.)
- To obtain the best possible performance and trouble free operation from your appliance it is very important to read these instructions carefully. Failure to observe these instructions may invalidate your right to free service during the guarantee period.

Please keep these instructions in a safe place for easy reference.

This appliance is intended to be used in households but it is not intended to be used in 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.

Electrical requirements

Before inserting the plug into the electrical socket make sure that the voltage and the frequency shown in the data badge inside the appliance corresponds to your electricity supply.

We recommend that this appliance is connected to the mains supply via a suitably switched and fused socket which is in a readily accessible position.

Warning! This appliance must be earthed.

Repairs to electrical equipment should only be performed by a qualified technician. Incorrect repairs carried out by an unqualified person can carry risks to the user of the appliance.

ATTENTION!

This appliance operates with R600a which is an environmental friendly but flammable gas. During the transportation and fixing of the product, care must be taken not to damage the cooling system. If the cooling system is damaged and there is a gas leakage from the system, keep the product away from open flame sources and ventilate the room.

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

WARNING - Do not damage the refrigerant circuit.

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

Transportation instructions

1. The appliance should be transported only in an upright position. The packing as supplied must be intact during transportation.
2. If during the transport the appliance, has been positioned horizontally, it must not be operated for at least 12 hours, to allow the system to settle.
3. Failure to comply with the above instructions could result in damage to the appliance, for which the manufacturer will not be held liable.
4. The appliance must be protected against rain, moisture and other atmospheric influences.

Important!

- Care must be taken while cleaning/carrying the appliance not to touch the bottom of the condenser metal wires at the back of the appliance, as this could cause injury to fingers and hands.
- Do not attempt to sit or stand on top of your appliance as it is not designed for such use. You could injure yourself or damage the appliance.

- Make sure that the mains cable is not caught under the appliance during and after moving, as this could damage the cable.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

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

AETCS – Advanced Electronic Temperature Control System

Your Fridge Freezer is equipped with AETCS, which features the following benefits;

- Accurate and consistent temperature maintenance for improved performance thanks to advanced electronics used in the control system.
- The system in the electronics monitors the ambient temperature and controls the compressor to make sure that the freezer will work in ambient temperatures down to -15°C. This means you can install your appliance, if required, in a garage or similar outside locations where there is no heating. Because the fridge would be too cold, food may be affected, such as salad and fruit. So make sure you don't leave such food in the fridge in very cold ambient conditions.
- Because in cold conditions, the appliance works less, it would also save on electricity costs.

Installation instructions

1. If the ambient temperature is below 0°C, the food in the fridge compartment will freeze. So, we recommend you don't use the fridge compartment in such low ambient conditions. You can continue using the freezer compartment as usual.
2. Do not place the appliance near cookers or radiators or in direct sunlight, as this will cause extra strain on the appliance's functions. If installed next to a source of heat or freezer, maintain the following minimum side clearances:
 - From Cookers 30 mm
 - From Radiators 300 mm
 - From Freezers 25 mm
3. Make sure that sufficient room is provided around the appliance to ensure free air circulation (**Fig 2**).
 - Open the door of the appliance to make sure that there is enough space for the door to open properly (**Fig 2**).
- Fit spacers on the condenser as per **Fig 3**.
4. The appliance should be positioned on a smooth surface. The two front feet can be adjusted as required. To ensure that your appliance is standing upright adjust the two front feet by turning clockwise or anti-clockwise, until firm contact is secured with the floor. Correct adjustment of feet prevents excessive vibration and noise (**Fig 4**).
5. Refer to "Cleaning and Care" section to prepare your appliance for use.

Getting to know your appliance (Fig 1)

- 1 - Setting knob and interior light
- 2 - Adjustable Cabinet shelves
- 3 - Water collector
- 4 - Crisper cover
- 5 - Crisper
- 6 - Ice tray support & ice tray
- 7 - Compartment for freezing fresh food
- 8 - Compartments for storing frozen foods
- 9 - Adjustable foot
- 10 - Dairy Compartment
- 11 - Shelf for jars
- 12 - Shelf for bottles
- 13 - Freezer fan

The fan circulates air in the freezer compartment of the appliance and works in parallel with the motor compressor. When the motor compressor is off, the fan is also off.

Suggested arrangement of food in the appliance

Guidelines for obtaining optimum storage and hygiene:

1. The fridge compartment is for the short-term storage of fresh food and drinks.
2. The freezer compartment is  rated and suitable for the freezing and storage of pre-frozen food. The recommendation for  storage as stated on the food packaging should be observed at all times.
3. Dairy products should be stored in the special compartment provided in the door liner.
4. Cooked dishes should be stored in airtight containers.
5. Fresh wrapped produce can be kept on the shelf. Fresh fruit and vegetables should be cleaned and stored in the crispers.
6. Bottles can be kept in the door section.
7. To store raw meat, wrap in polythene bags and place on the lowest shelf. Do not allow to come into contact with cooked food, to avoid contamination. For safety, only store raw meat for two to three days.
8. For maximum efficiency, the removable shelves should not be covered with paper or other materials to allow free circulation of cool air.
9. Do not keep vegetable oil on door shelves. Keep the food packed, wrapped or covered. Allow hot food and beverages to cool before refrigerating. Leftover canned food should not be stored in the can.
10. Fizzy (effervescent) drinks should not be frozen and products such as flavoured water ices should not be consumed too cold as there is a risk of freezer burns.
11. Some fruit and vegetables suffer damage if kept at temperatures near 0°C. Therefore wrap pineapples, melons, cucumbers, tomatoes and similar produce in polythene bags.

12. High-proof alcohol must be stored upright in tightly closed containers. Never store products that contain flammable propellant gas (e.g. aerosols, gas canisters / cartridges.) or explosive substances. These are an explosion / fire hazard.

Temperature control and adjustment

Operating temperatures are controlled by the setting knob (see diagram) located on the ceiling of fridge compartment. Settings may be made from min, 1 ... 6, max, max being the coldest position.

When the appliance is switched on for the first time, the setting knob should be adjusted so that after 24 hours, the average fridge temperature is no higher than +5°C (+41°F). We recommend you set the knob on 5 position between the min and max setting and monitor to obtain the desired temperature i. e. towards max you will obtain a colder fridge temperature and vice versa. Some sections of the fridge may be cooler or warmer (such as the salad crisper and the top part of the cabinet) which is quite normal.

The normal storage temperature of the freezer should be -18°C (0°F). Lower temperatures may be obtained by adjusting setting knob towards max position.

We recommend that you check the temperature with an accurate thermometer to ensure that the storage compartments are kept to the desired temperature.

Remember you must take your reading very quickly since the thermometer temperature will rise very rapidly after you remove it from the freezer.

Please remember each time the door is opened cold air escapes and the internal temperature rises. Therefore never leave the door open and ensure it is closed immediately after food is put in or removed.

If the ambient (room or garage) temperature is between 0°C and -15°C, we recommend you set the knob halfway between the min and max setting to reach -18°C in the freezer compartment. Lower temperatures may be obtained by adjusting setting knob towards max position."

Before operating

Final Check

Before you start using the appliance check that:

1. The feet have been adjusted for perfect levelling.
2. The interior is dry and air can circulate freely at the rear.
3. The interior is clean as recommended under "Cleaning and care."
4. The plug has been inserted into the wall socket and the electricity is switched on. When the door is open the interior light will come on.

And note that:

5. You will hear a noise as the compressor starts up. The liquid and gases sealed within the refrigeration system may also make some (noise), whether the compressor is running or not. This is quite normal.
6. Slight undulation of the top of the cabinet is quite normal due to the manufacturing process used; it is not a defect.
7. We recommend setting of the knob midway and monitor the temperature to ensure the appliance maintains desired storage temperatures (See section Temperature Control and Adjustment).
8. Do not load the appliance immediately after it is switched on. Wait until the correct storage temperature has been reached. We recommend checking the temperature with an accurate thermometer (see; Temperature Control and Adjustment).

Freezer basket / drawers

For the best performance of your appliance always use and distribute the foods evenly within the freezer baskets and do not overfill them as it can lead to poor performance of the freezer; such as excessive electricity consumption and / or inconsistent internal freezer temperatures.

Storing frozen food

Please follow the instructions below to obtain the best results.

Use the bottom two baskets / drawers for the storage of already frozen foods.

Try to keep the time between the purchase of frozen food and storage in the freezer as short as possible to avoid frozen food thawing.

Once food is thawed either consume or cook and re-freeze if recommended.

Always follow the food manufacturers storage and cooking instructions.

In the event of a power failure, keep the door closed and food should be unaffected for a period of 14 hours, if the power cut lasts longer than this time, food should be checked for thawing and either consumed immediately or cooked and re-frozen.

Freezing Fresh Food

Please follow the instructions below to obtain the best results.

Use the top basket / drawer for freezing fresh food: Always keep fresh food and already frozen food separate to avoid accidental defrosting of already frozen food.

Divide food into smaller portions. This will speed up the freezing process and will also allow you to defrost only the food you need at a later date.

It is recommended to state the food type and freezing date on the package so that you can later check the storage duration of the food.

Do not exceed the freezing capacity of your appliance in 24hr (stated on the data badge of the appliance and in the technical data section of this user book).

Always allow food to cool to room temperature before putting into the freezer. Warm food can cause other food to defrost or affect the operation of the freezer.

All food should be packed in order to avoid any moisture loss as a result of air circulation and to ensure that food cannot protrude into the blades of the circulating fan, impairing the freezer performance.

When freezing fresh food keep the setting knob at the medium position. Small quantities of food up to 1/2 kg (1lb) can be frozen without adjusting the setting control knob. For larger quantities of food adjust the thermostat knob to the full on position for a period of 24 hrs after which you should return the knob to its original position.

About No Frost

Your fridge freezer combines NO Frost technology for accurate control and automatic defrosting. This product is designed to avoid formation of ice in the freezer. Accordingly, there is no need for manual defrosting. The product will automatically perform any defrosting once it becomes necessary.

No Frost Technology

In order to facilitate the removal of the ice layer the evaporator is assisted by electric heating during the defrosting procedure. The ventilator (circulating fan) is off during the defrost cycle. The defrost water will drip into the tray placed on the compressor and will evaporate. In the course of the defrosting procedure the evaporator becomes warm but it has no influence on the internal temperature.

All foods should be kept well packed to avoid any moisture loss as a result of air circulation.

Warning: Internal circulating fans

Your appliance is fitted with a circulating fan which is essential for the performance of your appliance.

Please ensure that the internal circulating fan is not blocked (stopped) or impaired by food or packaging.

Do not overfill the freezer compartment taking special care not to block the circulating fan at the top of the compartment.

Blocking (stopping) or impairing the circulating fan can result in an increase of internal temperatures (Thawing).

Making ice cubes

Fill the ice - cube tray 3/4 full with water and place it in the freezer. Loosen frozen trays with a spoon handle or a similar implement; never use sharp-edged objects such as knives or forks.

Defrosting

The fridge compartment defrosts automatically. The defrost water runs to the drain tube via a collection container at the back of the appliance (**Fig 6**).

During defrosting, water droplets may form at the back of the fridge compartment where a concealed evaporator is located. Some droplets may remain on the liner and refreeze when defrosting is completed. Do not use pointed or sharp-edged objects such as knives or forks to remove the droplets which have refrozen.

If, at any time, the defrost water does not drain from the collection channel, check that no food particles have blocked the drain tube. The drain tube can be cleared with a pipe-cleaner or similar implement.

Check that the tube is permanently placed with its end in the collecting tray on the compressor to prevent the water spilling on the electric installation or on the floor (**Fig 7**).

The NO FROST type defrost is automatic. No intervention from your side is required. The water is collected on the compressor tray. Due the heat of the compressor the water is evaporated

Do not use pointed or sharp-edged objects, such as knives or forks to remove the frost.

Never use hairdryers, electrical heaters or other such electrical appliances for defrosting. Sponge out the defrost water collected in the bottom of the freezer compartment. After defrosting, dry the interior thoroughly (**Fig 8 & 9**).

Insert the plug into the wall socket and switch on the electricity supply.

Replacing the interior light bulb (Fig 10)

In case that the light bulb is out of function it is easily to replace. First make sure that the refrigerator / freezer is disconnected from the power supply by removing the plug. Take a flat screwdriver and keep it carefully without force into the left gap between lamp cover and internal cabinet. Then press the handle of the screwdriver carefully to the left side until you notice that the left pin of the cover is disengaged . Repeat this procedure on the right gap, however now press the handle of the screwdriver carefully to the right side. If both sides are loosened the cover can be removed easily.

Ensure that bulb is screwed securely in the bulb holder. Plug the appliance into the power supply. If the light still fails, replace E14 screw-cap type 15 Watt (Max) bulb from your local electrical store and then fit it. Carefully dispose of the burnt-out light bulb immediately.

If you have changed the light bulb please fix the cover again in it's former position. Take care that the cover snaps-in correctly.

Cleaning and care

1. We recommend that you switch off the appliance at the socket outlet and pull out the mains plug before cleaning.
2. Never use any sharp impliments or abrasive substances, soap, household cleaner, detergent or wax polish for cleaning.
3. Use luke warm water to clean the cabinet of the appliance and wipe it dry.
4. Use a damp cloth wrung out in a solution of one teaspoon of bicarbonate of soda to one pint of water to clean the interior and wipe it dry.
5. Make sure that no water enters the temperature control box.
6. If the appliance is not going to be used for a long period of time, switch it off, remove all food, clean it and leave the door ajar.

7. We recommend that you polish the metal parts of the product (i.e. door exterior, cabinet sides) with a silicone wax (car polish) to protect the high quality paint finish.
8. Any dust that gathers on the condenser, which is located at the back of the appliance, should be removed once a year with a vacuum cleaner.
9. Check door seals regularly to ensure they are clean and free from food particles.
10. Never:
 - Clean the appliance with unsuitable material; eg petroleum based products.
 - Subject it to high temperatures in any way,
 - Scour, rub etc., with abrasive material.
11. Removal of dairy cover and door tray :
 - To remove the dairy cover, first lift the cover up by about an inch and pull it off from the side where there is an opening on the cover.
 - To remove a door tray, remove all the contents and then simply push the door tray upwards from the base.
12. Make sure that the special plastic container at the back of the appliance which collects defrost water is clean at all times. If you want to remove the tray to clean it, follow the instructions below:
 - Switch off at the socket outlet and pull out the mains plug
 - Gently uncrimp the stud on the compressor, using a pair of pliers, so that the tray can be removed
 - Lift it up.
 - Clean and wipe it dry
 - Reassemble, reversing the sequence and operations
13. To remove a drawer, pull it as far as possible, tilt it upwards and then pull it out completely.

Repositioning the door

Proceed in numerical order (See Fig 11).

Do's and don'ts

- Do-** Clean and defrost your appliance regularly (See "Defrosting")
- Do-** Keep raw meat and poultry below cooked food and dairy products.
- Do-** Take off any unusable leaves on vegetables and wipe off any soil.
- Do-** Leave lettuce, cabbage, parsley and cauliflower on the stem.
- Do-** Wrap cheese firstly in greaseproof paper and then in a polythene bag, excluding as much air as possible. For best results, take out of the fridge compartment 1 hour before eating.
- Do-** Wrap raw meat and poultry loosely in polythene or aluminium foil. This prevents drying.
- Do-** Wrap fish and offal in polythene bags.
- Do-** Wrap food with a strong odour or which may dry out, in polythene bags, or aluminium foil or place in airtight container.
- Do-** Wrap bread well to keep it fresh.
- Do-** Chill white wines, beer, lager and mineral water before serving.
- Do-** Check contents of the freezer every so often.
- Do-** Keep food for as short a time as possible and adhere to "Best Before" and "Use by" etc. dates.
- Do-** Store commercially frozen food in accordance with the instructions given on the packets.
- Do-** Always choose high quality fresh food and be sure it is thoroughly clean before you freeze it.
- Do-** Prepare fresh food for freezing in small portions to ensure rapid freezing.
- Do-** Wrap all food in aluminium foil or freezer quality polythene bags and make sure any air is excluded.
- Do-** Wrap frozen food immediately after purchasing and put it in to the freezer as soon as possible.
- Do-** Defrost food in the fridge compartment.

- Don't-** Store bananas in your fridge compartment.
- Don't-** Cover the shelves with any protective materials which may obstruct air circulation.
- Don't-** Store poisonous or any dangerous substances in your appliance. It has been designed for the storage of edible foodstuffs only.
- Don't-** Consume food which has been refrigerated for an excessive length of time.
- Don't-** Store cooked and fresh food together in the same container. They should be packaged and stored separately.
- Don't-** Let defrosting food or food juices drip onto food.
- Don't-** Leave the door open for long periods, as this will make the appliance more costly to run and cause excessive ice formation.
- Don't-** Use sharp edged objects such as knives or forks to remove the ice.
- Don't-** Put hot food into the appliance. Let it cool down first.
- Don't-** Put liquid-filled bottles or sealed cans containing carbonated liquids into the freezer, as they may burst.
- Don't-** Exceed the maximum freezing loads when freezing fresh food (Stated on the data badge).
- Don't-** Give children ice-cream and water ices direct from the freezer. The low temperature may cause 'freezer burns' on lips.
- Don't-** Freeze fizzy drinks.
- Don't-** Try to keep frozen food which has thawed; it should be eaten within 24 hours or cooked and refrozen.
- Don't-** Remove items from the freezer with wet hands.
- Don't-** Store explosive substances such as aerosol cans with a flammable propellant in this appliance.

Information about operating noises

To keep the selected temperature constant, your appliance occasionally switches ON the compressor.

The resulting noises are quite normal.

As soon as the appliance has reached the operating temperature, the noises automatically reduce in volume.

The humming noise is emitted by the motor (compressor). When the motor switches ON, the noise may briefly increase in volume.

A sudden click can be heard sometimes due to the timer changing position

The bubbling, gurgling or whirring noise is emitted by the refrigerant as it flows through the pipes.

The clicking noise can always be heard when the setting knob ON/OFF the motor.

A clicking noise may occur when

- the automatic defrosting system is active.
- the appliance is cooling down or warming up (material expansion).

If these noises are excessively loud, the causes are probably not serious and are usually very easy to eliminate.

- The appliance is not level - Use the height-adjustable feet or place packing under the feet.
- The appliance is not free-standing - Please move the appliance away from kitchen units or other appliances.
- Drawers, baskets or shelves are loose or stick - Please check the detachable components and, if required, refit them.
- Bottles and/or receptacles are touching each other - Please move bottles and/or receptacles away from each other.

Troubleshooting

If the appliance does not operate when switched on, check;

- That the plug is inserted properly in the socket and that the power supply is on. (To check the power supply to the socket, plug in another appliance)
- Whether the fuse has blown/circuit breaker has tripped/main distribution switch has been turned off.
- That the temperature control has been set correctly.
- That the new plug is wired correctly, if you have changed the fitted, moulded plug.

If the appliance is still not operating at all after above checks, contact the dealer from whom you purchased the unit.

Please ensure that above checks have been done, as a charge will be made if no fault is found.

Technical data

BRAND	LEC
APPLIANCE TYPE	FRIDGE FREEZER * ** *
MODEL	TF55152S
Total gross volume (l)	235
Total useful volume (l)	215
Refrigerator comp. Useful volume (l)	145
Freezer comp. Useful volume (l)	70
Freezing capacity (kg/24 h)	4
Energy efficiency class (1)	A+
Energy consumption (kWh/year) (2)	255
Temperature rise time (hours)	14
Noise (dB (A) re 1 pW)	40
Ecological refrigerant R600a	
(1) Energy class : A . . . G (A = economical . . . G = less economical)	
(2) The real energy consumption depends on the using conditions and appliance location.	

Changing the plug

Your fridge freezer is fitted with a fused three pin plug which will be suitable for use in all residences fitted with sockets to current specifications.

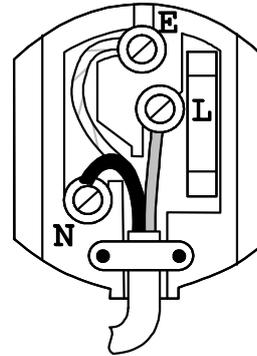
The fridge freezer runs on an electricity supply of 220-240 V 50Hz and must be earthed. If the plug is removed it should not be re-used, but thrown away immediately. A cut off plug can be dangerous if plugged into a socket.

If the plug supplied becomes damaged it must be replaced with a new one and the flexible mains lead connected as shown.

Note: Only 13 amp fuses approved to BS 1362 A.S.T.A. should be used. After replacing or changing a fuse, the fuse cover in the plug must be replaced.

Connect BLUE to
NEUTRAL(N)

Connect GREEN &
YELLOW to EARTH (E)



Connect BROWN
to LIVE (L)

make sure the cable
is held by the clamp

Do not push excess mains lead into the compressor (motor) compartment as this may cause an electrical hazard.

Service Record

Please record your model number and serial number in the space below. Having these numbers to hand will help more and us to help you, quickly efficiently.

When contacting us, please use the Customer Care number on the back cover of this handbook

Model Number									
Serial Number									

Date of purchase	Installers stamp / Printed name	Date of installation
Place of purchase:		

Date	Part(s) replaced	Engineers Stamp/ Printed Name



Lec Refrigeration
Stoney Lane, Prescot, Merseyside, L35 2XW
Customer Care Centre: 0844 815 3737
www.lec.co.uk
Lec Refrigeration, a division of Glen Dimplex Home Appliances

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