

**Lec**

# **USER GUIDE**

**R5517W/S/B**



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## Safety Warnings

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For your continued safety and to reduce the risk of injury or electric shock, please follow all the safety precautions listed below.

- Read all instructions carefully before using the unit and keep them for future reference.
- Retain the manual. If you pass the unit onto a third party, make sure to include this manual.
- This appliance is intended to be used in households but 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.
- Ensure that the plug is easily accessible to enable disconnection from the mains supply.
- If the mains cable is damaged, it must be replaced by the manufacturer, its service agent or a qualified technician in order to avoid a hazard.
- Choose a location for your unit away from heat sources such as radiators or fires as refrigerant and vesicant are burnable.
- The unit must be manoeuvred by a minimum of 2 persons.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Children should be supervised to ensure that they do not play with the unit.
- If your unit is fitted with a lock to prevent children being trapped inside, keep the key out of reach and not in the vicinity of the unit.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Please do not place loose items on top of the unit, as these can drop and cause a reduction in air flow to the compressor.



- Do not store bottles or glass containers in the freezer compartment. Contents can expand when frozen (fizzy drinks) which may break the bottle and damage your freezer compartment. (If applicable)



### **WARNING**

- Keep ventilation openings in the unit enclosure or in the built-in structure clear of obstructions.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not use electrical appliances inside the food storage compartments of the unit, unless they are of the type recommended by the manufacturer.
- Do not damage the refrigerant circuit (The refrigerant is a very environmental-friendly gas but is also combustible. Take care when transporting or moving the unit to ensure that the refrigeration circuit is not damaged. In the event of damage avoid naked flames or ignition sources and ventilate the room in which the unit is placed for a few minutes.)

### **WARNING**



IT IS HAZARDOUS FOR ANYONE OTHER THAN AUTHORISED SERVICE PERSONNEL TO CARRY OUT SERVICING OF REPAIRS WHICH INVOLVE THE REMOVAL OF COVERS.



TO AVOID THE RISK OF AN ELECTRICAL SHOCK DO NOT ATTEMPT REPAIRS YOURSELF.

**Thank you** for purchasing your new LEC Undercounter Fridge.

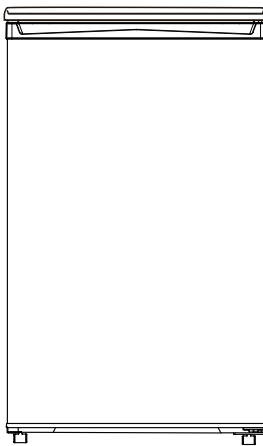
We recommend that you spend some time reading this instruction manual in order that you fully understand all the operational features it offers.

Read all the safety instructions carefully before use and keep this instruction manual for future reference.

## Unpacking

Remove all packaging from the unit. Retain the packaging. If you dispose of it please do so according to local regulations.

The following items are included: (All images in this instruction manual are for indication only; please refer to your individual unit for details.)



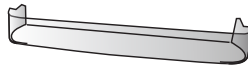
The Main Unit



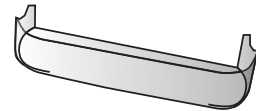
Adjustable Glass Shelf



Salad Bin Cover



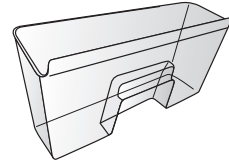
Upper Door Shelf x 2



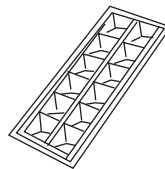
Lower Door Shelf



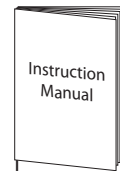
Egg Tray



Salad Bin



Ice Tray



Instruction Manual

## INSTALLATION

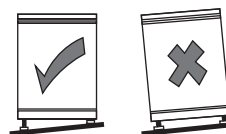
### Location

When selecting a position for your unit you should make sure the floor is flat and firm, and the room is well ventilated with an average room temperature of between 16°C and 38°C. Avoid locating your unit near a heat source, e.g. cooker, boiler or radiator. Also avoid direct sunlight as it may increase the electrical consumption. Extreme cold ambient temperatures may also cause the unit not to perform properly. This unit is not designed for use in a garage or an outbuilding. Do not drape the unit with any covering.

### Levelling the Unit

To do this adjust the two levelling feet at the front of the unit.

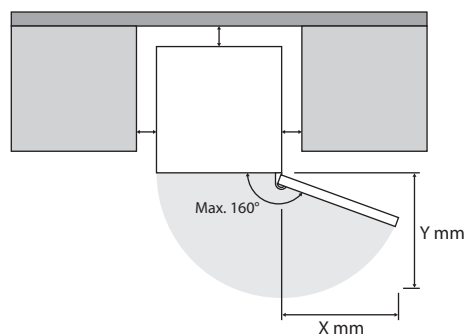
If the unit is not level, the doors and magnetic seal alignments will not be covered properly.



### Free Space Requirements

When installing the unit, ensure that 25 mm of free space is left at both sides, 50 mm at the rear of the unit and 25 mm at the top of the unit. The door can be opened to the right or the left, depending on which best suits the location.

The unit should be installed so that the door can open to 160 degrees as shown in the diagram.



## INSTALLATION

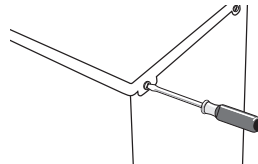
### Reversing the Door Swing

**Tools required:** Philips style screwdriver / Flat bladed screwdriver / Hexagonal spanner

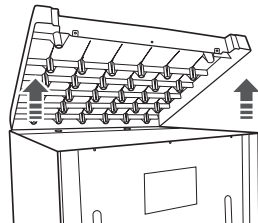


- Ensure the unit is unplugged and empty.
- To take the door off it is necessary to tilt the unit backwards.
- All parts removed must be saved to do the reinstallation of the door.
- Do not lay the unit flat as this may damage the coolant system.
- We recommend that 2 people handle the unit during assembly.
- If you want to have the door swing reversed, we recommend that you contact a qualified technician. You should only try to reverse the door yourself if you believe that you are qualified to do so.

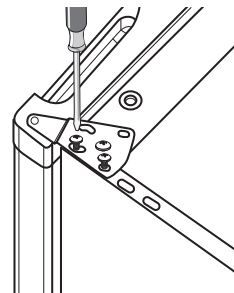
1. Remove the 2 screws on the back.



2. Lift the top cover away from the fridge.

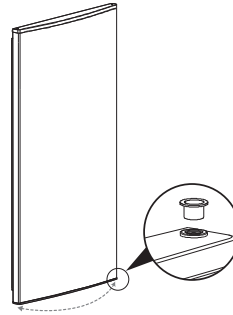


3. Remove the screws, then remove the upper hinge that hold the door in place. Lift the door and place it on a padded surface to prevent it from scratching.

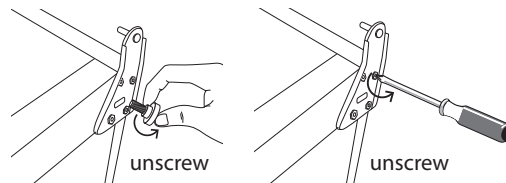


## INSTALLATION

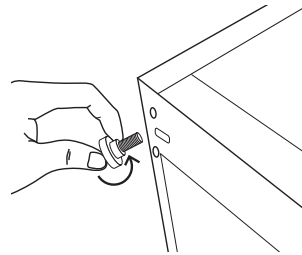
4. Swap the bottom bush and bottom bush cap of the upper door. The bottom bush key must be in the correct position to allow it to be inserted correctly.



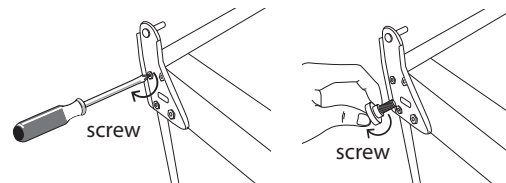
5. Remove the lower screws, hinge bracket and adjustable feet from the unit bottom.



6. Remove the screw-type adjustable feet from the other side of the unit bottom and transfer it to the corresponding position on the opposite side of the unit bottom.



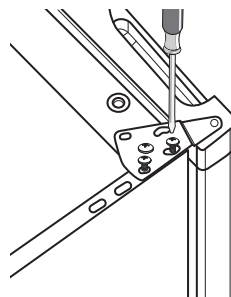
7. Reattach the two lower screws, hinge bracket and adjustable feet to the opposite side of the unit bottom. Loosely secure.



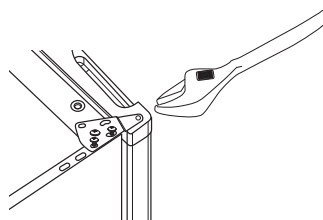
## INSTALLATION

8. Carefully set the upper door back into place. Ensure the fridge door is aligned horizontally and vertically so that the seals are closed on all sides before finally tightening the top hinge.

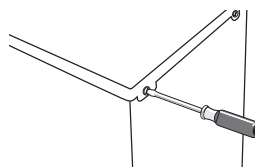
Insert the hinge bracket and screw it to the top of the unit.



9. Use a spanner to tighten it if necessary.



10. Put the top cover back and fix it in place with the screws.



11. With the door closed, check that the door is aligned horizontally and vertically and that the seals are closed on all sides before finally tightening the bottom hinge. Re-adjust the levelling feet as needed.



## INSTALLATION

### Cleaning Before Use

Wipe the inside of the unit with a weak solution of bicarbonate soda. Then rinse with warm water using a sponge or cloth. Wipe completely dry before replacing the shelves, drawers and salad bin. Clean the exterior of the unit with a damp cloth.

If you require more information refer to the **Cleaning** section.



- **Before Plugging in YOU MUST**

Check that you have a socket which is compatible with the plug supplied with the unit.

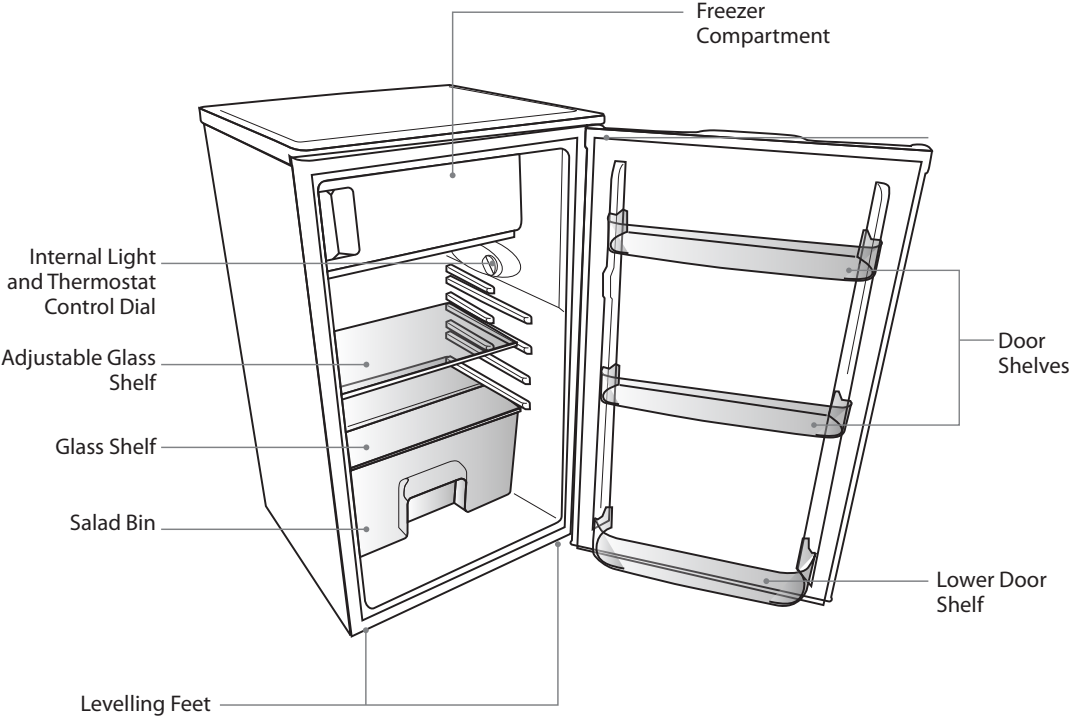
- **Before Turning On!**

Allow the unit to stand for at least two hours after significant movement.

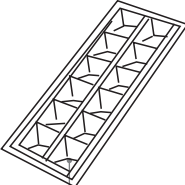
### Before Using Your Unit

Before placing any food in your unit, turn it on and wait for 24 hours, to make sure it is working properly and to allow it time to reach the correct temperature. Your unit should not be overfilled.

# Product Overview



Egg Tray



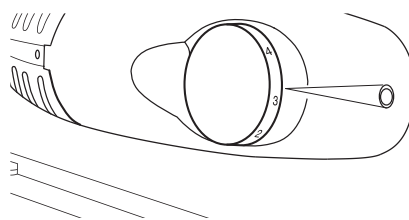
Ice Tray



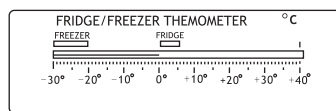
# Operation

## Switching On Your Unit

1. Before connecting the unit to the mains supply make sure that the thermostat control dial is set at position **OFF**. This is located on the right side of the cabinet. Connect the mains cable to the mains socket.
2. Adjust the thermostat control dial to the desired position, bear in mind that the higher the number, the lower the temperature. Position **2** or **3** or **4** is the recommended setting when operating at normal room temperature (between 16°C and 38°C).
3. The unit may not operate at the correct temperature if it is in a particularly hot or a particularly cold room, or if you open the door often.
4. To ensure that the unit is cool enough to sufficiently chill your food, wait 24 hours before filling it with food.
5. If you are concerned that your unit is not being kept cold enough and wish to check the temperature, you will need a special fridge/freezer thermometer. These are available from most supermarkets and hardware shops.



Place the thermometer in the centre of the unit, where it can be read easily. Leave overnight, the temperature in the fridge compartment should be an average of 5°C while the freezer compartment should be -18°C or lower.



## Adjusting the Temperature

The internal temperature of the unit is controlled by a thermostat. The recommended position is between **1** to **4** for colder working environments (i.e. during winter) and between **5** to **6** for hotter environments. Please adjust according to the environment.

## Noises Inside the Unit

You may notice that your unit makes some unusual noises. Most of these are perfectly normal, but you should be aware of them!

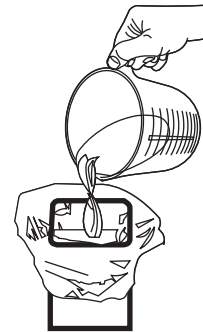
These noises are caused by the circulation of the refrigerant liquid in the cooling system. It has become more pronounced since the introduction of CFC free gases. This is not a fault and will not affect the performance of your unit. This is the compressor motor working, as it pumps the refrigerant around the system.

## Tips for Keeping Food in the Unit

- Cooked meat/fish should always be stored on a shelf above raw meat/fish to avoid bacterial transfer. Keep raw meat/fish in a container which is large enough to collect juices and cover it properly. Place the container on the lowest shelf at the bottom of the fridge compartment.
- Leave space around your food, to allow air to circulate inside the compartments. Ensure all parts of the unit are kept cool.
- To prevent transfer of flavours and drying out, pack or cover the food separately. Fruit and vegetables do not need to be wrapped.
- Always let pre-cooked food cool down before you put in the unit. This will help to maintain the internal temperature of the unit.
- To prevent cold air escaping from the unit, try to limit the number of times you open the doors. We recommend that you only open the doors when you need to put food in or take food out.

## Preparations for Freezing

- Use quality food and handle it as little as possible. Freeze food in small quantities as it freezes faster, takes less time to defrost and enables you to control the quantity you need better.
- Leave cooked food to cool completely. Chill food before freezing if possible.
- Consider how you will want to cook the food before freezing it.
- Don't freeze food in metal containers if you may want to microwave it straight from the freezer.
- Use special freezer bags, freezer film, polythene bags, plastic containers, and aluminium foil (heavy duty grade only). If in doubt, double wrap your food. Don't use aluminium foil for acidic foods, e.g. citrus fruits. Don't use thin cling film, glass, or used food containers without cleaning.
- Exclude as much air from the container as possible. You could buy a special vacuum pump which sucks excessive air out of the packaging.
- Leave a small amount of air space when freezing liquids to allow expansion.
- You can use the space in the freezer most efficiently if you freeze liquids (or solids with liquids, e.g. stew) in square blocks. This is known as "Preforming". Pour the liquid into a polythene bag which is inside a square sided container. Freeze it, and then remove it from the container and seal the bag.
- Label your frozen foods as they will look the same when in frozen state. Use special freezer tapes, labels and pens with different colours. This allows you to easily organise and to effectively use the freezer. Write the contents and date; otherwise the frozen food might exceed the storage time and this could cause food poisoning. Please refer to your food packaging for the recommended storage time.



You may also add the weight and cooking notes, e.g. "defrost first", "cook from frozen" and keep a separate log of what is in each drawer. This will save opening the door and searching around unnecessarily.

## Defrosting Frozen Food

1. Take the frozen food out from the unit and uncover the frozen food. Let it defrost at room temperature. Don't forget that defrosting in a warm area encourages the growth of bacteria and low temperature cooking may not destroy dangerous bacteria.
2. Drain off and throw away any liquid lost during defrosting.
3. Always make sure there are no ice-crystals in the food before cooking, particularly with meat. These crystals indicate that the food has not fully defrosted.
4. Cook food as soon as possible after defrosting.
5. Many microwaves and ovens have a defrost setting. To avoid bacterial build up, only use these if you intend to cook the food immediately afterwards.



Never re-freeze anything that has been defrosted unless you cook it again, to kill off harmful bacteria. Never re-freeze defrosted shellfish. Re-seal packs properly after removing items. This prevents drying or freezer-burn and a build up of frost on any remaining food.

# Cleaning

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## Defrosting

Frost might build up in the unit after it has been used for a period of time. Scrape away the frost using a plastic scraper (not included).

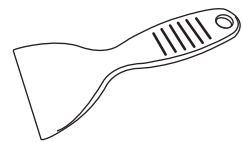


Do not use a metal or sharp instrument to scrape away the frost, nor should you use any electrical appliances to aid defrosting.

Frost might build up in the freezer compartment after the unit has been used for a period of time. Scrape away the frost using a plastic scraper.

We recommend that defrosting should be carried out when the frost layer builds up to 10mm (~0.39"). Choose a time when the stock of frozen food is low, follow these procedures:

1. Take out the food, turn the unit off at the mains supply and leave the door open. Ideally, the frozen food should be put into another freezer. If this is not possible, wrap the food in several sheets of newspaper or large towels and then a thick blanket to keep it cool.
2. Place a shallow bowl or pan below the freezer compartment. Scrape away the frost using a plastic scraper. Defrosting the remaining frost can be speeded up by placing a bowl of hot water inside the freezer compartment cabinet and closing the door. As the solid frost loosens, scrape it away with the plastic scraper and remove.
3. When defrosting is complete, clean your unit's interior and exterior.



## Cleaning the Interior and the Exterior of the Unit

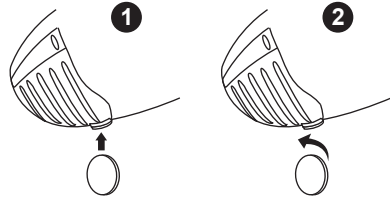
- Remove all the shelves and the salad bin. To remove the salad bin first remove the lower door shelf.
- Wipe the inside of the unit with a weak solution of bicarbonate soda and then rinse with warm water using a 'wrung-out' sponge or cloth. Wipe completely dry before replacing the shelves and salad bin.
- Use a damp cloth to clean the exterior, and then wipe with a standard furniture polish. Make sure that the door is closed to avoid the polish getting on the magnetic door seal or inside the unit.
- The grille of the condenser at the back of the unit and the adjacent components can be vacuumed using a soft brush attachment.

# Maintenance

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## Changing the Internal Light

1. Before carrying out the bulb replacement always adjust the thermostat control dial to Position 0, then disconnect the mains supply.
2. While holding the lamp cover place coin between lamp cover lip and internal wall of the refrigerator and twist the coin.
3. Remove the lamp cover.
4. Remove the old bulb by unscrewing in an anti-clockwise direction.
5. Replace with a new bulb (220~240V, max. 15W). Please make sure that it is secure in the bulb cover.
6. Refit the light bulb cover and reconnect the unit to the mains supply and switch on.



## Care When Handling / Moving the Unit

Hold the unit around its sides or base when moving it.

## Servicing

The unit should be serviced by an authorised engineer and only genuine spare parts should be used. Under no circumstances should you attempt to repair the unit yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunction. Contact a qualified technician.

## Switching Off for Long Periods of Time

When the unit is not in use for a long period of time, disconnect it from the mains supply, empty all food and clean the unit, leaving the door ajar to prevent unpleasant smells.

## Condensation

Condensation may appear on the outside of the unit. This may be due to a change in room temperature. Wipe off any moisture residue. If the problem continues, please contact a qualified technician for assistance.

## Disposal

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Old units still have some residual value. An environmentally friendly method of disposal will ensure that valuable raw materials can be recovered and used again. The refrigerant used in your unit and insulation materials require special disposal procedures. Ensure that none of the pipes on the back of the unit are damaged prior to disposal.

Up to date information concerning options of disposing of your old unit and packaging from the new one can be obtained from your local council office.

When disposing of an old unit break off any old locks or latches and remove the door as a safeguard.

## Product fiche concerning the "COMMISSION DELEGATED REGULATION (EU) No 1060/2010"

Trade mark: LEC
Moder Identifier: R5517W/S/B
Category of the household refrigerating appliance model: Refrigerator
Energy efficiency class: A+
Energy consumption 174 kWh/annum, based on standard test results for 24 hours. Actual energy consumption will depend on how the appliance is used and where it is located.
Storage volume cooling compartment (l) 97
Storage volume freezing compartment (l) 16
Frost free: /
Temperature rise time: 15h
Freezing capacity: 2kg/24h
Climate class: N-ST. This appliance is intended to be used at an ambient temperature between 16°C and 38°C.
Airborne acoustical noise emissions: 39 dB(A) re 1pW
Free-standing

# Service Record

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

Lec Refrigeration

Stoney Lane, Prescott, Merseyside, L35 2XW

Customer Care Centre: 0344 8153737

[www.lec.co.uk](http://www.lec.co.uk)

Lec Refrigeration, a division of Glen Dimplex Home Appliances