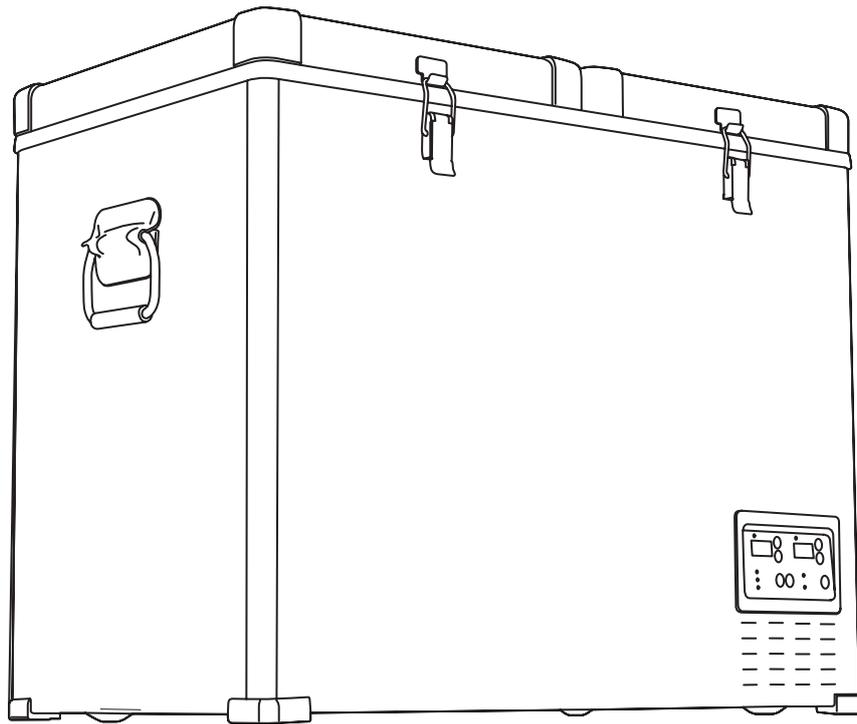


# **KINGS** A D V E N T U R E



## 65L Dual Zone Fridge **USER MANUAL**

**PLEASE READ AND UNDERSTAND THIS MANUAL COMPLETELY  
BEFORE USE.**

# SAFETY INSTRUCTIONS

Please read the user manual and safety instructions carefully before using the appliance.

- 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 performed by children without supervision.
- By ignoring the safety instructions 4WD Supacentre cannot be held responsible for the damage.
- The use of accessories that are not recommended by 4WD Supacentre can cause injuries and will invalidate any warranty that you may have.
- The appliance shall not be exposed to rain. Place the refrigerator on a dry, protected surface, away from edges.
- Do not use the refrigerator in uncovered, outdoor areas exposed to the elements.
- Do not use this appliance near direct heat sources, for example, a cooker, radiator or exposing it to direct sunlight.
- Do not place ice or liquids which are not sealed in containers within the refrigerator.
- Do not place hot products or hot food in the refrigerator.
- Place the products so that they do not knock against each other or break when the appliance is in motion.
- The power cable must only be replaced by qualified technical personnel and by an assistant body authorized by the manufacturer.
- Before carrying out any maintenance operations on the refrigerator, disconnect the power cable from the plug.
- This appliance is suitable for camping use. In addition to this, it can also be used in households and other residential environments.

**WARNING:** Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction. Leave a space of at least 15cm across all its sides.

**WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process.

**WARNING:** Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by 4WD Supacentre.

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

**WARNING:** Do not use an extension cord

**DANGER:** Risk of child entrapment.

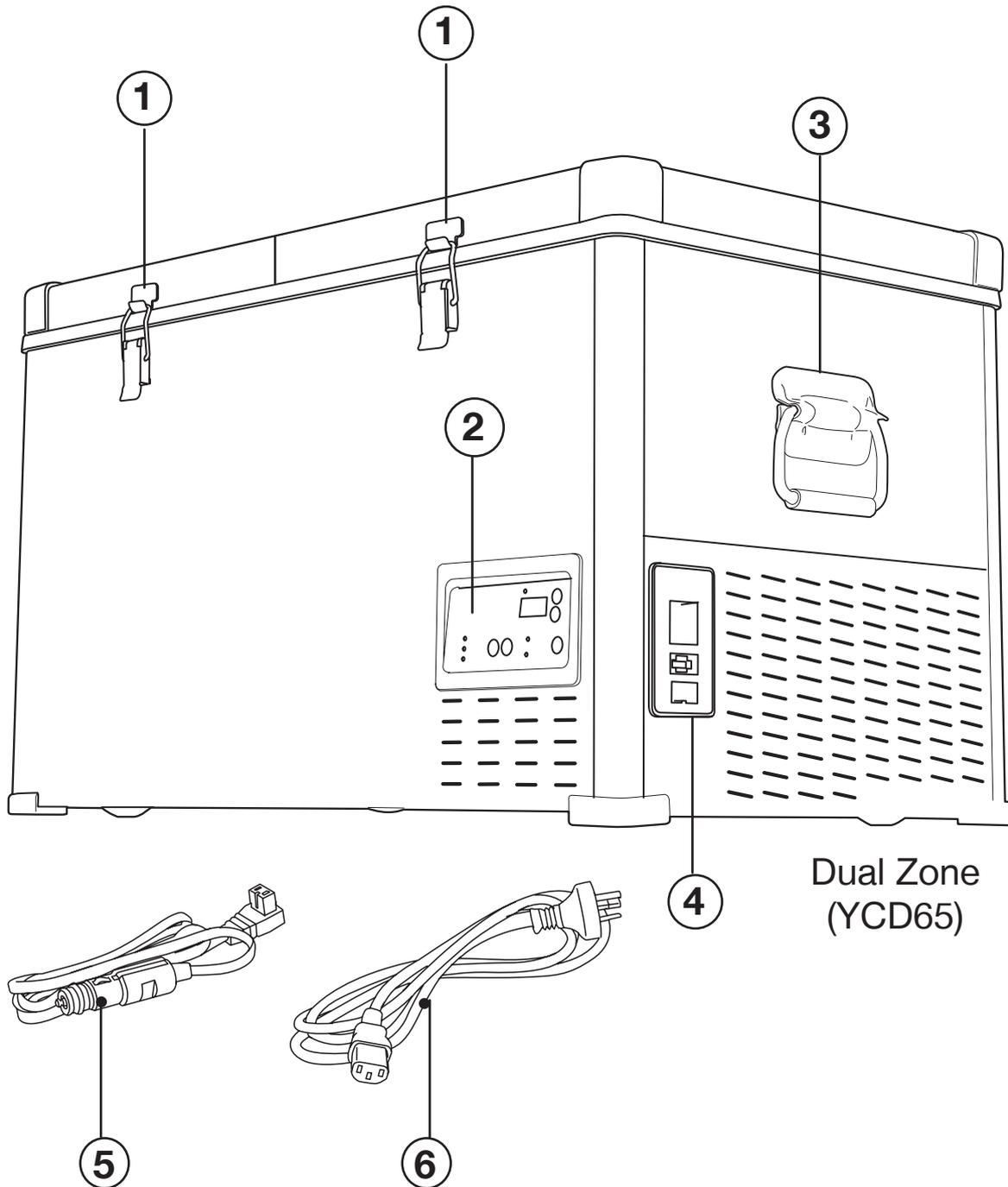
Before you throw away your old refrigerator or freezer:

- Take off the doors
- Leave the shelves in place so that children may not easily climb inside.

**FOR SAFE DISPOSAL:** Dispose of appliance at a suitable resource and recovery centre.

# OVERVIEW

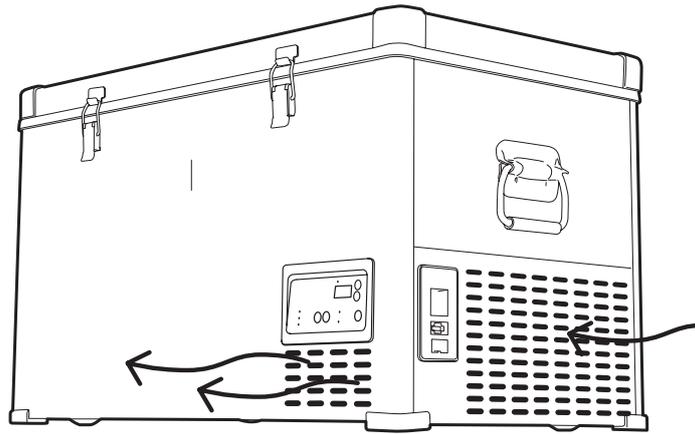
1. Lid Latches
2. Control Panel
3. Carry Handle
4. Power Input Panel
5. 12V/24V DC Power Cable
6. 240V AC Power Cable



# INSTALLATION

It is important that your appliance is installed and operated in accordance with the manufacturer's instructions to guarantee the performance, efficiency and operation.

- Position the appliance in a safe and secure location. Limit exposure to heat sources or direct sunlight which can affect the unit's performance and efficiency.
- The normal operation of the appliance requires heat to be radiated away from the condenser located in the rear end of the unit. Adequate airflow is required to be available around the compressor at all times.



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# POWER MANAGEMENT

## POWER REQUIREMENTS

The appliance is designed to operate on AC and DC voltage inputs.

AC Input	240V at 50Hz
DC Input	12V or 24V DC

For optimum performance and efficiency, it is important that the appliance has a reliable 15A fuse protected DC supply in good condition. Direct connection to the battery is recommended and reduces the risk of voltage drop to the appliance.

It is recommended that the correct sized Automotive Electrical Cable is used for the direct connection and that this includes a 15A fuse; do not use resettable circuit breakers. It is important that the correct cable size is used for the installation of the DC supply as over distance the voltage can decrease if the incorrect sized cable is being used.

## DISTANCE CABLE GAUGE FOR DC INPUT

4.5m or less	2.1mm <sup>2</sup> (AWG14)
4.6m and over	3.3mm <sup>2</sup> (AWG12)

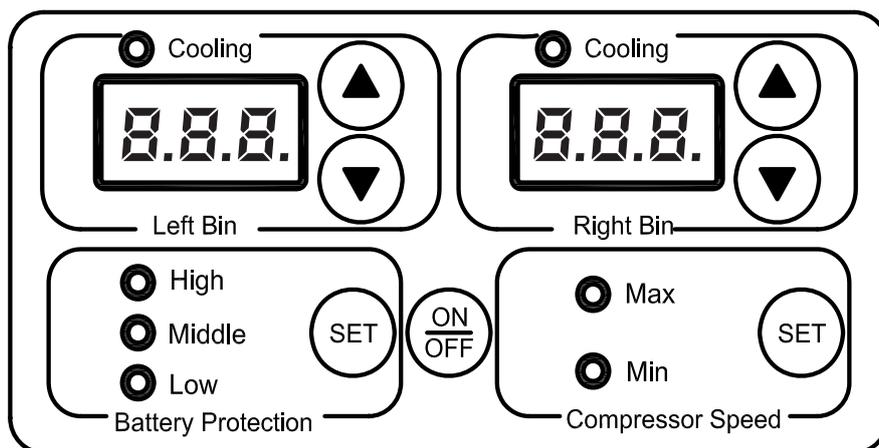
# BATTERY MONITOR

The device is equipped with a multi-level battery monitor that protects your vehicle battery against excessive discharging when the appliance is connected to a 12/24V supply.

If the appliance is operated when the vehicle ignition is switched off, the appliance switches off automatically as soon as the supply voltage falls below a set level.

The appliance will switch back on once the battery has been recharged to the cut in voltage level. Push, hold and release  button until the desired setting is reached.

Battery Protection	Mode	Input Resistance	Input Power: 12V	Input Power: 24V
	LOW	1.6K	9.6V /OFF 10.4V /ON	21.3V /OFF 22.7V /ON
	MID	4.7K	10.1V /OFF 11.4V /ON	22.3V /OFF 22.7V /ON
	HIGH	47K	11.1V /OFF 12.4V /ON	24.3V /OFF 25.7V /ON



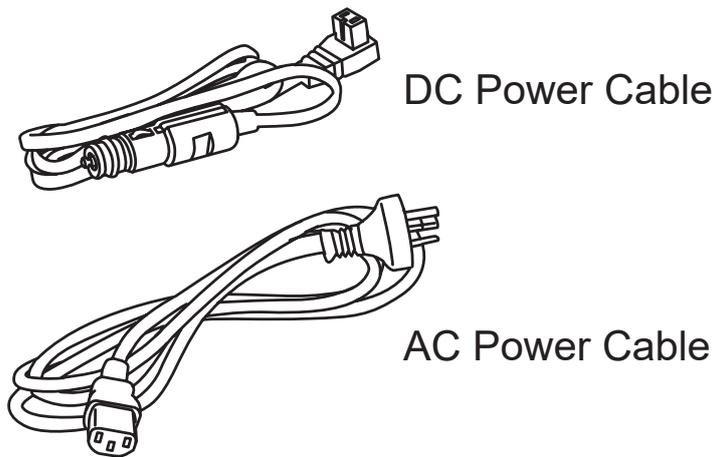
DUAL ZONE CONTROL PANEL

# STARTING & OPERATING

## DC CONNECTION

The unit is equipped with an electronic control system that will prevent polarity reversal. In the event that the battery connection is reversed the unit will not start or operate. The power inlet socket is fitted with a 15A fuse for protection.

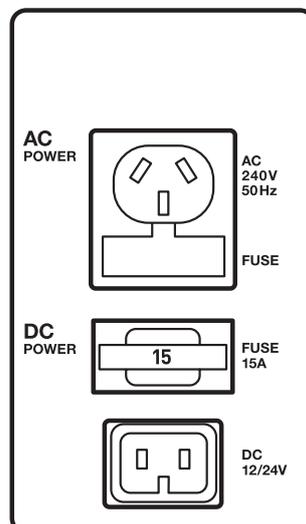
Plug the 12/24V connection cable into the DC voltage socket on the rear and then connect to the cigarette lighter or a suitable 12V or 24V power source.



## AC CONNECTION

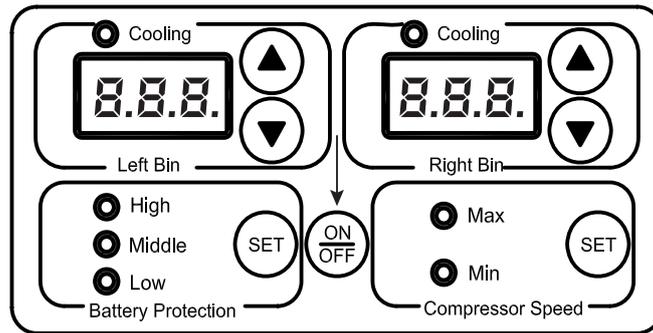
The unit is equipped with a multi-voltage power supply with priority circuit for connecting to an AC voltage source of 240V. The power supply automatically switches to mains operation, if the device is connected to 240V AC mains, even if the 12/24V connection cable is still attached. The power inlet socket is fitted with a 15A fuse for protection.

Plug the 240V connection cable into the AC voltage socket on the rear and then connect to a suitable 240V AC voltage.



## POWERING ON

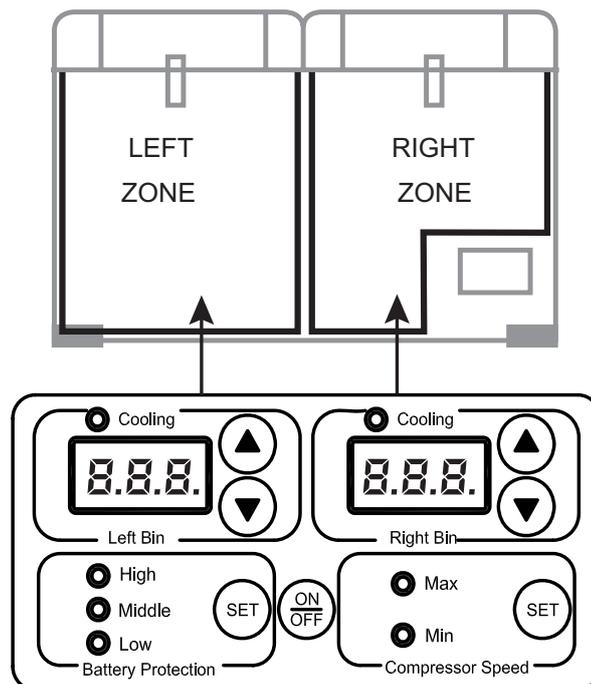
Connect to the desired input voltage and press the  button to turn the unit on, the display will show the current internal fridge temperature.



## TEMPERATURE CONTROLLER

The Temperature Controller provides the ability to set the desired temperature level and displays information on the fridge and set temperature.

The controller has been programmed to maintain an average of the set temperature. The compressor will start up when the internal temperature increases 0.5 to 1.5 degrees above that selected and will run until the temperature is 0.5 to 1.5 degrees below the set temperature.



When your appliance is first connected to AC or DC input the digital readout will show the current temperature - the temperature shown on the 'LEFT ZONE TEMP' display corresponds to the larger Left Zone compartment; the temperature on the 'RIGHT ZONE TEMP' display corresponds to the stepped Right Zone compartment.

To increase the fridge temperature press  and to decrease press  until the desired level is reached.

Once selected the display will flash a number of times before returning to the current temperature.

NOTE: The left side can only be set to an equal or higher temperature of the right side

## ECO/MAX FUNCTION

This function allows the compressor speed to be slowed down to increase operating efficiencies (ECO) or increase the compressor speed to provide “quick” cool down times (MAX).

To operate press the  button to commence the “economy” operation mode, the ECO indicator will illuminate.

Press the  button again to select the MAX operating mode. The MAX indicator red light will illuminate.

## ENERGY SAVING TIPS

- Choose a well-ventilated installation location which is protected from direct sunlight and allows air to circulate around the unit.
- Allow hot food to cool down first before you place it into the fridge.
- Do not open or leave the lid open more often than necessary.
- If ice forms on the internal walls or lid defrost the appliance.
- Select the desired temperature in relation to the intended use, avoid setting unnecessarily low temperatures.

## SPECIFICATIONS

<b>MODEL:</b>	YCD65
<b>GROSS CAPACITY:</b>	65 Litres
<b>EXTERNAL DIMENSIONS (HxWxD):</b>	790 x 465 x 495 mm
<b>PACKING DIMENSIONS (HxWxD):</b>	886 x 551 x 595 mm
<b>WEIGHT:</b>	29.5 kg
<b>INSTALLED POWER:</b>	85 Watt
<b>VOLTAGES:</b>	DC 12V /24V AC 240V
<b>REFRIGERANT:</b>	R134a

This appliance contains fluorinated greenhouse gas R134a within a hermetically sealed system and its operations depends on the presence of this gas.

Further information is provided on the technical data label inside the product. 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.

## USING SOLAR PANELS

The power consumption and efficiency of your appliance makes it ideal to be used in conjunction with solar panels to provide recharging of the DC supply. Solar panels will provide charge into the battery during the daylight hours even while the appliance is operating.

As the output from solar panels change depending on the level of sunlight and intensity, your fridge cannot be connected directly to the solar panels. The appliance must be connected to a suitable DC battery and then the solar panels connected to the battery with a regulator.

## USING PORTABLE GENERATORS

It is important that the correct generator is used with your appliance. An incorrect generator or output may result in reduced performance or damage to your appliance which may void your appliance warranty.

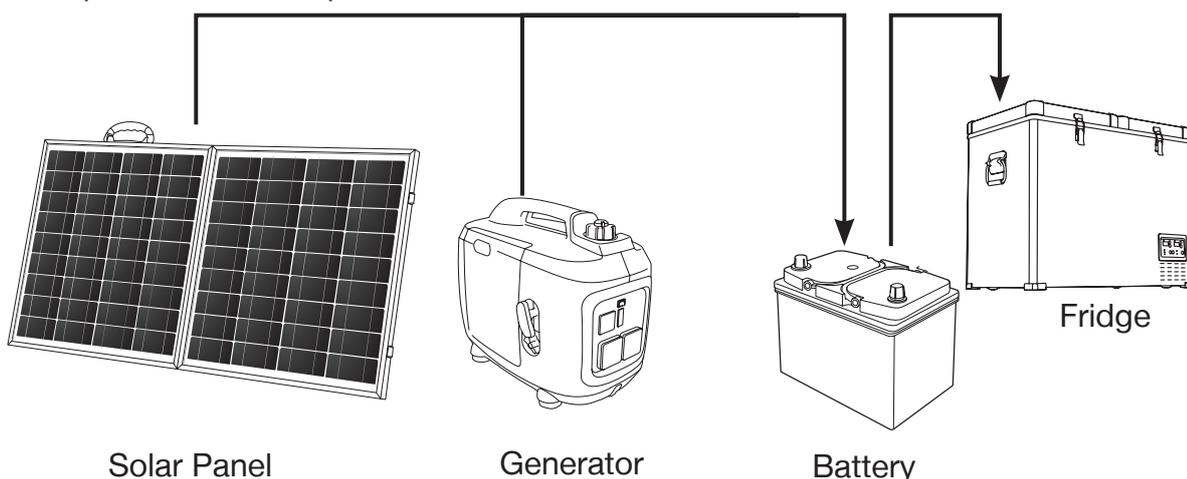
If connecting directly to an AC generator, ensure that only a digital or inverter type generator is used. These provide a more reliable and constant 240V AC output and are specifically designed to power electronics.

Most generators are fitted with a DC output- **DO NOT** connect your fridge directly to the DC output of the generator as this will result in damage to your appliance and void warranty.

It is recommended that the appliance remains connected to the DC power source. Then using the DC output of the generator connect this to the battery to recharge it. It is important that you monitor the battery being charged, ensuring that an oversupply of charge is not being provided.

Connection must be via the battery.

Example of a DC set-up:



## TIPS & SUGGESTIONS

- When the appliance is being set at 0°, do not store glass bottles or liquids such as beer, milk, juices or soft drinks in the unit as these may freeze and rupture.
- Items such as fruit and vegetables should be stored closer to the top of the fridge as this area is normally slightly warmer. This will reduce the risk of spoiling and ensures that damage is not caused by being crushed by heavier items.
- To improve the efficiency of your appliance it is better to have the fridge as full as possible at all times. A full fridge will provide lower power consumption over 24 hours than a half-empty one. When the fridge is full there is little air space between the goods so the cold air is trapped when there is lots of air the coldness cannot be captured and held. On a trip, it is a good idea to replace finished products with bottles of water or similar. This will fill the empty spaces and allow the coldness to remain within the fridge.
- Make your selection of what you wish to remove from the fridge before you open the door. This will reduce the time that the fridge is open and the level of warm air that will enter the fridge while the door is open.
- When located in the rear of a car or trailer, it is recommended that the appliance is kept away from direct sunlight to reduce the risk of increased heat. It should also be provided with suitable ventilation to guarantee efficient power consumption and performance. You must remember that when a vehicle is parked in the sun on a day where the ambient temperature is +30°C, the interior of the vehicle can reach +55°C.

# MAINTENANCE

## CAUTION

**Before carrying out any maintenance operations on the fridge, disconnect the power cable from the plug.**

## CLEANING

- Regularly clean the inside and outside of the appliance using only warm water and a neutral detergent.
- Subsequent to washing, rinse with clean water and dry thoroughly using a soft cloth.
- Do not use the following: special glass and mirror cleaning products, liquid, powder, or spray detergents, alcohol, ammonia or abrasive products.
- If you are not using the refrigerator, we suggest cleaning it well inside and leaving the door ajar to ventilate the interior.

## HELPFUL ADVICE

Where the refrigerator does not function or functions incorrectly, before contacting one of our technical assistance centres, ensure that:

- a) there is a power supply.
- b) the voltage complies with that indicated on the plate.
- c) the connections and poles are correct.
- d) the ventilation grids are not obstructed.
- e) the appliance unit is not placed near to a heat source.
- f) the power supply fuse is not interrupted.

## CAUTION

**The power cable must only be replaced by a qualified technical personnel and/or by an assistance body authorised by the Manufacturer.**

4WD Supacentre will not assume any responsibility in the instance where the instructions in this present manual are not fully respected.

Keep out of reach of children.

24 MONTH LIMITED



# WARRANTY

## WARRANTY PERIOD:

Full 24 month warranty from date of purchase against all manufacturing defects.

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## WHAT DOES THE WARRANTY COVER?

Under normal usage conditions, this warranty covers:

- a. Any defect in design or manufacture which results in the product failing to perform substantially as described in authorised advertising or literature.
- b. We will either repair or replace the product at our discretion providing that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits provided to you as the consumer by this warranty are in addition to other rights and remedies available to you under the law.

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## THE WARRANTY DOES NOT COVER:

- a. Any damage resulting from improper use
  - b. Faulty installation or modification made during installation
  - c. The cost of removing and reinstalling the product
  - d. Travel and /or other expenses due to customer's remote location
  - e. Transport charges and damage in transit. It is your responsibility to deliver and pick up your product, including any costs associated with the postage of your repair or replacement product. If you do freight your product we recommend that you insure against loss or damage.
  - f. Any loss directly or indirectly associated with the product failing to operate.
  - g. Damage caused by mould, insects, animals, misuse, incorrect operation, adverse weather, accidents and fair wear and tear.
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TO MAKE A CLAIM, PLEASE ENSURE YOU RETAIN YOUR SALES RECEIPT OF PURCHASE

**1800 88 39 64**



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