



Fridge Freezer Instruction Manual



Please read these instructions and the Safety section carefully before using your refrigerator.

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Features:

- Reliable cooling system – Evakool Approved compressor
- Efficient electronic technology, low energy consumption
- Multi-voltage system (DC 12-24 Volt) and (AC 100-120/220-240 Volt)
- Digital Battery Protection, protect your vehicle battery effectively

1. Safety Instructions

- Warning: Do not touch exposed cables.
- Warning: Do not use fridge if you suspect any connections could be wet.
- When using the fridge in the vehicle or boat, please make sure the circuit being used is fused.
- Any installation of DC power systems should be handled by a qualified professional.
- Make sure the source voltage is correct. The technical data label has the voltage data.
- Do not place any electrical devices inside the refrigerator as moisture could harm these devices.

2. Notes on using the product

- ❖ Your refrigerator requires good ventilation, especially around the vents of the refrigerator; allow a gap of at least 200mm around the vents.
- ❖ Humidity inside the appliance can form frost and impair cooling. Do not allow frost to build up. Never clean the appliance using a hose and never submerge the unit in any liquid.
- ❖ Avoid placing your refrigerator near a heat source. This helps the refrigerator to work more efficiently and keep the contents cool.
- ❖ Place the refrigerator on a flat surface and away from any edges. When using the fridge in a vehicle, please use a fastening device to secure it.

3. Operation

- ❖ **Power:** The electronic control module controls the compressor motor and has the function of a three stage battery protection. When the input voltage drops below the minimum, the compressor will cut out; when the voltage comes back up to the cut-in value, the compressor will restart automatically.
- ❖ **Battery Protection:** The Danfoss compressor requires approximately 11.0 Volts (12 Volt System) or 23.0 Volts (24V System) to operate. If the voltage drops below this the fridge will stop running.

❖ Cable Specification

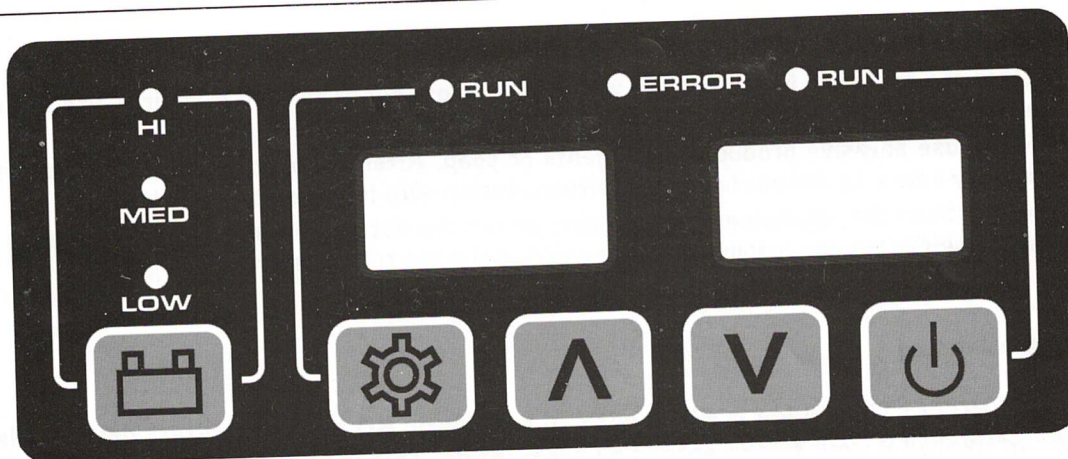
The DC cables must have a suitable cross-section for their length, according to this table:

*Note: The length is from the battery to the refrigerator.

Cable Area		12V Max Cable Length*		24V Max Cable Length*	
[mm ²]	AWG	[m]	[ft.]	[m]	[ft.]
2.5	13	2.5	8	5	16
4	11	4	13	8	26
6	9	6	20	12	39
10	7	10	33	20	66



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Using the Fridge

- **NOTE: IF THE UNIT IS IN STAND-BY MODE ONLY AN ORANGE RUN LED WILL BE ILLUMINATED. TO TURN ON YOUR UNIT PLEASE HOLD THE ON/OFF SWITCH DOWN UNTIL THE RUN LED CHANGES TO GREEN AND THE TEMPERATURE READ-OUT DISPLAY IS ILLUMINATED.**
- Temperature setting range: $-18^{\circ}\text{C} \sim 10^{\circ}\text{C}$, $0^{\circ}\text{F} \sim 50^{\circ}\text{F}$
- Plug in the DC or AC power cable. Use the ON/OFF switch to run the fridge. The LED display on the control panel will light up and the interior temperature will be displayed.
- Press SET and then press the Δ UP and ∇ DOWN buttons to adjust the temperature. Press the button Δ to increase while the button ∇ to decrease the temperature. To lock in the target temperature press set twice or leave for 5 seconds. The display board will display the current temperature inside the unit after the target temperature is set. After approximately 5 minutes the displayed temperature will start to decrease.
- If the power supply is cut off, the refrigerator will switch off automatically and then automatically switch on again when the unit receives power.
- To change the fridge between $^{\circ}\text{C}$ and $^{\circ}\text{F}$. Press SET twice and then Δ UP or ∇ DOWN to change the setting.
- To change the battery voltage setting press the BATTERY button for three seconds and then use the BATTERY button to change between the settings. Leave the unit for 5 seconds to set this setting. The three voltage settings are approximately as follows :- (We advise to keep the setting on LOW)
 - LO – 11.0 Volts
 - MED – 12.0 Volts
 - HI – 12.5 Volts
- LED explanation.
 - Orange RUN LED – Temperature zone not cooling
 - Green RUN LED – Temperature zone cooling
 - Orange RUN LED and Temperature Read-out blank – Unit in Stand-by Mode.
- If dual zone unit; display panel will contain 2 Temperature Read-out's. Press the Set button once to set left bin temperature, twice to set right bin and thrice to set temperature mode.



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4. Cleaning and maintenance

- Clean the appliance inside and out with a damp cloth every week. If it is dirty, use sodium bicarbonate dissolved in lukewarm water to clean the unit.
- Never use abrasive products, detergents or soap. After washing, rinse with clean water and dry carefully. Do not leave the refrigerator off with food inside or lid closed.
- Never clean the appliance under running water. Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the refrigerator.

5. Troubleshooting

PLEASE NOTE: This fridge is fitted with an automatic 60 second re-start delay. This will be activated if your fridge enters an error mode. This is to protect the fridge if an error has occurred.

- The appliance is not turning on.
 - Check the power supply
 - Check whether the plug and the socket have a good connection.
 - Check whether the fuse requires replacement
 - Check whether the appliance has been turned on
- The food inside is frozen.
 - The setting temperature is too low
- Bad performance in refrigeration
 - The temperature setting is inappropriate
 - The lid is unlocked/or open
 - The lid seal is broken
 - Problems arising from poor ventilation
 - There is no room around the fridge and vents
 - Too much food been placed inside the refrigerator
 - There is too much warm product inside
 - There is a heat source near the unit
- Hear the sound of water from inside the unit
 - This is normal, due to the flow of the refrigerant.
- Unusual noise when refrigerator is working
 - The refrigerator is not placed on a level surface
 - Some part has come loose inside the refrigeration compartment (see a service agent)



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6. Error Codes

The error codes are depicted by a number of flashes by the error light in a sequence every four seconds.

Code	Reason / Solution
1 Flash	Low Voltage <ul style="list-style-type: none"> - Please check the source voltage to ensure it is above the cut out. Try lowering the voltage cut out setting to LOW. - The vehicle cabling may be inadequate/unsuitable, please refer to cable specifications table for correct cable thickness (Page 2) - Try on a different power source
2 Flashes	Fan issue <ul style="list-style-type: none"> - Fan is drawing too many Amps (Over 1 Amp) – Contact Evakool
3 Flashes	Compressor Start Issues <ul style="list-style-type: none"> - Unplug for 10 Minutes - Try on a different power source. - Possible Electronic Box or compressor fault – contact Evakool
4 Flashes	The compressor speed is too low <ul style="list-style-type: none"> - Unplug for 10 Minutes - Reduce product load inside unit - Move unit to a lower ambient temperature - Clean vents / ensure clear air flow over compressor
5 Flashes	Ambient Temperature too high <ul style="list-style-type: none"> - Clean vents / ensure clear air flow - Fan Fault – Contact Evakool



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XTM FRIDGE FREEZER RANGE Warranty Statement TERMS & CONDITIONS

Nexberg Pty. Ltd. trading as EvaKool undertakes to the original purchaser that this product is sold free of defect in materials and/or workmanship under normal use for a period of 24 months. Subject to the following: -

- The warranty period commences from the date of purchase by the original purchaser from an authorised EvaKool dealer.
- EvaKool will honour this warranty on presentation of proof of purchase of the unit to EvaKool or its approved service agent. The service agent may be requested to provide EvaKool with a photocopy of the proof of purchase to obtain approval to proceed prior to warranty being honored.
- Evakool will not be held responsible for any costs incurred in making a warranty claim.
- Please telephone (07) 5492 7777 for the name of an authorized service agent or refer to list provided. It is the purchaser's responsibility to freight the unit to and from the service agent.
- EvaKool will not be held responsible for any damage or loss suffered or cost incurred whilst fridge is in transit.
- Warranty repairs may only be carried out by an authorised service agent. EvaKool will not reimburse repair claims carried out by unauthorized service agents. Any unauthorized tampering with any part of the unit will automatically void the warranty.
- Service agents may charge a fee for viewing or testing the unit. This is not covered by EvaKool or this warranty and is payable at the service point unless authorized by EvaKool.
- Any Evakool authorized service centre in Australia will be able to carry out the service of your unit. If a repair needs to be undertaken and is covered in terms of this warranty a warranty authorization number must be obtained prior to commencement of any work.

EvaKool will not accept a warranty claim if:

1. Modifications have been carried out to the unit without EvaKool's written authority.
 2. Damage to or failure of the unit has been caused in EvaKool's opinion by incorrect, extreme or unreasonable use.
 3. Damage to or failure of the unit has been caused in EvaKool's opinion by misuse, neglect, accident, impact or similar cause. Refer the preventative maintenance guidelines.
- EvaKool has total discretion on the variation of the warranty terms.
 - Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for 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 above warranty conditions are in addition to any other rights and/or remedies as per the applicable law.
 - Failure to follow the guidelines/recommendations in this manual may void the warranty.
 - This warranty cannot be varied by others.

**COMPLETE THE ENCLOSED WARRANTY CARD
AND RETURN WITHIN THIRTY (30) DAYS OF
PURCHASE**

POST or Register your product warranty

ONLINE at www.evakool.com



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Manufacture and packaged for

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MADE IN CHINA

