

TRAVELMATE FRIDGE FREEZER

Instruction Manual



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

1. Safety Instructions	Page 2
2. Notes on using the product	Page 2
3. Operation	Page 2-3
4. Cleaning and Maintenance	Page 4
5. Troubleshooting	Page 4
6. Error Codes	Page 5
7. Technical Data	Page 5
8. Packing List	Page 5
9. Warranty Statement	Page 6
10. Troubleshooting Diagram	Page 7

TRAVELMATE FRIDGE FREEZER

Instruction Manual

Features:

Reliable cooling system – Domus compressor
Efficient electronic technology, low energy consumption
Multi-voltage system (DC 12-24 Volt) and (AC 100-120/220-240 Volt with Adaptor supplied)
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 refrigerator in the vehicle or boat, please make sure the circuit being used is fused.
- Any installation of DC power sources 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 and 100mm around the rest of the unit.
- ❖ Avoid humidity: 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 four 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 after a start delay.
 - ❖ **Battery Protection:** The Domus compressor requires over 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.
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TRAVELMATE FRIDGE FREEZER

Instruction Manual

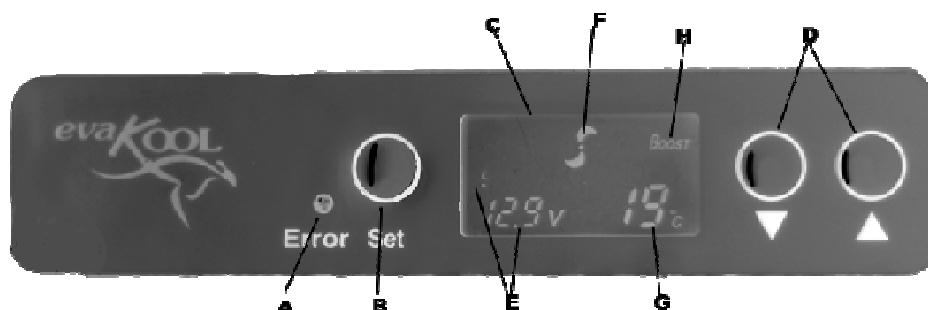
❖ Cable Specification

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

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

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

CONTROL PANEL



KEY

- | | |
|--|----------------------------------|
| A - Error Light | F - Running Indicator |
| B - Set Button | G - Current Internal Temp |
| C - Display Panel | H - Power Mode |
| D - Up and Down Buttons | |
| E - Current Voltage / Current Low Voltage Setting | |

Using the Fridge

- Temperature setting range: $-20^{\circ}\text{C}\sim 20^{\circ}\text{C}$, $-4^{\circ}\text{F}\sim 68^{\circ}\text{F}$;
- Plug in the DC power cable. Use the ON/OFF switch to run the fridge. The unit will beep three times, then the LED display on the control panel will light up and the interior temperature will be displayed. This unit has a start delay of approximately 2 minutes before the compressor will start.
- 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 $^{\circ}\text{F}$. Hold SET and ∇ DOWN at the same time until the display changes.
- To change the boost hold the SET button for 4 seconds and use the Δ UP and ∇ DOWN buttons to adjust between ECO, BOOST and AUTO. ECO sets the compressor at 2000rpm to be used in ambient conditions below 30°C . BOOST sets the compressor at 2700rpm to be used in ambient conditions above 30°C . AUTO automatically sets the compressor based on the target temperature set.

TRAVELMATE FRIDGE FREEZER

Instruction Manual

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

- 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 has been burned out
 - Check whether the appliance has been turned on
 - The food inside is frozen.
 - The setting temperature is too low
 - Bad performance in refrigeration
 - Too much food been placed inside the refrigerator
 - The lid is unlocked/or open
 - The lid seal is broken
 - Problems arising from poor ventilation
 - There is too much warm product inside
 - There is no room around the fridge and vents
 - There is a heat source near the unit
 - The temperature setting is inappropriate
 - 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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TRAVELMATE FRIDGE FREEZER



Instruction Manual

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 L. - The vehicle cabling may be inadequate/unsuitable, please refer to cable specifications table for correct cable thickness.
2 Flashes	Fan or compressor running issue <ul style="list-style-type: none"> - Fan is drawing too many Amps (Over 1 Amp) – Replace Fan. - The compressor is drawing too many amps (Over 12 Amps) - Possible Electronic Box or compressor fault – contact Evakool or Service Agent
3 Flashes	The compressor speed is too low <ul style="list-style-type: none"> - Reduce products / items inside unit - Move unit to a lower ambient temperature - Clean vents / ensure clear air flow over compressor
4 Flashes	Ambient Temperature too high <ul style="list-style-type: none"> - Clean vents / ensure clear air flow - Fan Fault – Replace fan

7. Technical Data (DC)

TRAVELMATE	
CLIMATIC CATEGORY	T , ST , N , SN
RATED VOLTAGE DC	12V - 24V 
DC FUSE	 10A
TOTAL INPUT POWER	60W
DC CURRENT CONSUMPTION	1.0 - 2.0 A
ENERGY CONSUMPTION (25°C Ambient) (used as refrigerator)	0.29KW / 24hr
ENERGY CONSUMPTION (25°C Ambient) (used as freezer **)	0.48KW / 24hr
FREEZING CAPACITY	2.5kg / 24hr
REFRIGERANT	R134a

8. Packing List

Item	Fridge	AC Adaptor	DC Cable	Cover	User's guide
TM30	1	1	1	1	1
TM45	1	1	1	1	1
TM60	1	1	1	1	1

TRAVELMATE FRIDGE FREEZER

Instruction Manual

EVAKOOL TRAVELMATE 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: -

Ph: (07) 5492 7777
16 Enterprise Street
CALOUNDRA QLD 4551
sales@evakool.com

- 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

TRAVELMATE FRIDGE FREEZER

Instruction Manual

Fault LED light flashing

1 flash per 4 seconds
Low Voltage

* Select "L" on LCD display
* Try on different power source (vehicle or 240 volt adapter). If changing power source fixed issue, then possible issue with original power source.

2 flashes per 4 seconds
Fan or compressor running issue

* Fan is drawing too many amps (over 1 amp), replace fan
* The compressor is drawing too many amps (over 12 amps)
* Possible Electronic or compressor fault
Contact Evakool or service agent

3 flashes per 4 seconds
The compressor speed is too low

* Reduce products / items inside unit
* Move so unit is in a lower ambient temperature
* Clean vents / ensure clear air flow over compressor

4 flashes per 4 seconds
The temperature is too high

* Ambient temperature too high
* Clean vents / ensure clear air flow over compressor
* Fan fault

Not Cooling

LCD display on and no fault LED light
Compressor and fan running

* Ambient Temperature too high
* Blocked vents / blocked air flow over compressor

Yes

* Move to lower ambient temperature
* Clean vents / ensure clear air flow over compressor

No Lights

Compressor and fan not running

LCD display on, no fault LED light and compressor and fan not running

* Possible Electronic or compressor fault
Contact Evakool or service agent

No

Possible blockage or gas issue
Contact Evakool or service agent

* Turn power switch on
* Select "L" on LCD display

* Confirm lead is plugged into fridge correctly
* Check fuse in cigarette lead
* Try on different power source (vehicle or 240 volt adapter)
* Try different cigarette lead
* Wire off inside unit
* Contact Evakool or Service agent