

EVAKOOL® GLACIER XTREME

INSTRUCTION MANUAL

FOR MODEL
GLX-80-DZ



CHILLED FOR GOOD TIMES

Please read operating manual carefully before using your unit.

Please keep manual in a safe place.

If lost find a digital copy at Evakool.com.au or contact Evakool on 1300 385 665 (1300 EVKOOL).

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What's in the Box:

- Glacier Xtreme 80L Fridge/Freezer
- 12V Lead with Anderson Style Connector
- 3 x Baskets
- 240V adaptor
- 1 x Manual

Key Product Features

- Reliable cooling system – SECOP compressor.
- Efficient electronic technology, low energy consumption.
- DC 12/24 voltage system with Anderson style plug.
- 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 a vehicle, please ensure the circuit being used is fused at the battery or power source at the recommended size.
- Any installation of DC power systems should be handled by a qualified professional.
- Make sure the source voltage is correct. The technical data label (page 12) 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.
- 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.

Helpful Hints

To ensure maximum performance from your Evakool Glacier Xtreme Fridge/Freezer, please read the following helpful hints.

- *Read this instruction manual thoroughly, prior to operation.*
- *Pre-chill your fridge before use. This will allow your fridge to achieve the desired temperature quicker.*
- *Clean your fridge regularly to avoid frosting of the cooling plates and ensure the condenser is free of dust and lint.*
- *Do not store any electrical equipment inside the fridge after use.*

RECOMMENDED TEMPERATURE SETTINGS	
Fridge	2°C
Freezer	-16°C
COMPRESSOR SPEED SETTINGS	
Eco	Recommended for ambient temperatures of 28°C or less.
Max	Recommended for ambient temperatures of 28°C or more.

For Maximum Efficiency

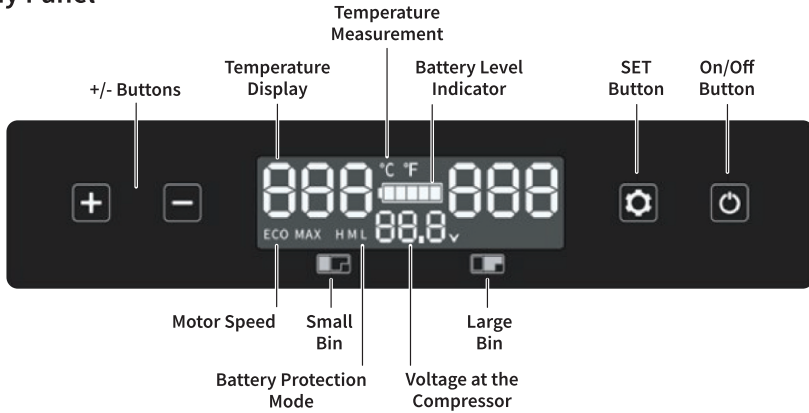
- Use the included baskets to ensure air circulation freely around the cabinet.
- Ensure the vents are not obstructed as to allow maximum airflow.
- Refrain from unnecessary opening of the unit.

3. Operation


- **Power:** The refrigerator can be powered by 12/24 Volts. The electronic module controls the compressor motor and has the added 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 SECOP 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 (measured from the battery to the unit), according to this table:

Cable Thickness (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

Display Panel




1. To turn on/off the refrigerator:


- Press and hold the  button for 1-2 seconds.
- Once turned on the display panel will light up displaying the current temperature inside the fridge.

2. Setting the temperature:

Small Bin (LHS)

- Press  button once and the bin will start flashing.
- Use the **+** and **-** buttons to set the desired temperature.


Large Bin (RHS)

- Press  button twice and the bin will start flashing.
- Use the **+** and **-** buttons to set the desired temperature.

NOTE:

The temperature range for the Small (LHS) Bin is -18°C to 10°C.
The temperature range for the Large (RHS) Bin is -5°C to 10°C.

3. Setting motor speed:

- Press the  button three times and the motor speed will flash.
- Use the **+** and **-** buttons to adjust to the desired speed.


NOTE:

Eco Mode - this is low speed and is good for fridge/fridge settings, low ambient temperatures (under 28°C) and running only one side of the fridge. If you require to turn on/off an individual bin, please see page 7.

Max Mode - This is high speed and is good for fridge/freezer settings, high ambient temperatures (over 28°C) or when warmer product have been added and more cooling capacity is needed.

Speed	ASHRAE (International System of Units)							
	Tc=54.4°C, Tliq=32.3°C, Tsuc=32.3°C							
	LBP Rating Point -23.3°C / 54.4°C				MBP Rating Point -6.7°C / 54.4°C			
	Cooling Capacity	COP	Power Consumption	Current ** Consumption	Cooling Capacity	COP	Power Consumption	Current ** Consumption
(rpm)	(W)	(W/W)	(W)	(A)	(W)	(W/W)	(W)	(A)
2,000	41.8	1.25	33.8	2.8	105	1.93	54.7	4.7
ECO 2,500	51.3*	1.21	42.4	3.5	129	1.85	70	5.9
3,000	62.0	1.21	51.6	4.3	155	1.85	83.8	6.5
MAX 3,500	71.6*	1.18	60.7	5.0	179	1.82***	98.5***	8.3***

4. Setting the battery protection mode:

- Press the  button four times and the H/M/L on the display will flash.
- Use the **+** and **-** buttons to adjust the desired protection mode.


NOTE: M (Medium) and H (High) levels are recommended however, when running off your main car battery we suggest L (Low).

Battery Monitor Mode	L	M	H
Switch-off voltage at 12V	10.1V	10.5V	11.1V
Restart voltage at 12V	10.9V	11.4V	12.4V
Switch-off voltage at 24V	21.5V	22.3V	24.3V
Restart voltage at 24V	22.7V	23.7V	25.7V


5. Turning ON/OFF individual bins:

- If your refrigeration requirements do not require the full 80L of refrigeration, you can turn off either side and run half a fridge. This will conserve power consumption.

Turn off the small bin (LHS):

- Press and hold the  and **+** button simultaneously for 5 seconds this will turn off the small bin (LHS).
- 3 straight lines will appear where the temperature was displayed, this will indicate that this bin is now off.
- To turn the fridge back on repeat the process.

Turn off the large bin (RHS):

- Press and hold the  and **-** button simultaneously for 5 seconds this will turn OFF the large bin (RHS).

- 3 straight lines will appear where the temperature was displayed, this will indicate that this bin is now off.
- To turn the fridge back on repeat the process.

6. Battery Level Indicator

- This is located on the display panel in between the 2 x temperature displays, this will show you an indication of the average charge left in your battery (see page 6).

7. Celsius and Fahrenheit Display

- This is set at the factory and should not need changing.
- If Fahrenheit is required contact Evakool on 1300 385 665 to access the sub menu to change display setting.

4. Preventative Maintenance & Care: Metal & Injection Moulded Products

To ensure a long life and reliable operation of your metal and injection moulded fridge/freezer we recommend following our preventative maintenance and care guide.

Cabinet Care

- The cabinet should be cleaned after every use by wiping both the interior and exterior with a damp cloth, using a mild non-abrasive detergent, and dry thoroughly. The painted metal surfaces can be polished with a car polish and a soft cloth. *To protect the cabinet from the harsh conditions a protective cover can be purchased.
- **Do not use** scourers, harsh cleaning products, solvents, or oil as this will degrade the plastic and can cause damage to painted surfaces.
- **Do not** leave the cabinet in direct sunlight as this may cause discolouration in the plastic and painted surfaces. Please note plastic components in all EvaKool fridge/freezers are UV stabilised.

Defrosting

- After use, defrost ice off evaporator; switch off unit and disconnect from power source. Leave the lids open to naturally melt the ice. Once the ice has melted, ensure the unit is completely dry by draining any residue and wiping down with a towel.
- Always make sure the cabinet is completely dry and lid left ajar when put in storage, this will ensure no corrosion, mold or odor will form inside the cabinet.
- **Do not** store electrical devices such as 12-volt adaptor inside the refrigerator.

Refrigerator Maintenance

- As your EvaKool fridge is a portable appliance it is subjected to a variety of different operating conditions. Every 12 months of use, a general inspection and maintenance should be carried out. We recommend the inspection to be carried out by an approved EvaKool agent. Our service agents can be found via our website <https://www.evakool.com.au/stores?type=2>.

Marine Use

- We do not recommend the use of our fridges in a marine environment, as salt can cause corrosion in electronics and metal components. If unit failure is found to be caused by corrosion, warranty will be void.

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 requires replacement (to replace see page 10).
- 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 (200mm is recommended).
- 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).

Replacing the plug fuse (12/24V)

- Pull off the adaptor sleeve on the plug.
- Unscrew the screw from the upper half of the housing.
- Carefully raise the upper half of the housing from the lower half.
- Take out the contact pin.
- Replace the defective fuse with a new one that has the same rating (10A, 250V)
- Re-assemble the plug in the reverse order.

**This only applies if you have purchased a separate 12V lead with a cigarette connector. This fridge comes with an Anderson connector.*

Replacing the PCB (display) light bulb

- Shut off the power supply.
- Carefully pry out the plastic light cover with a pointed and flat tool.
- Unscrew the PCB mounting screws.
- Pull out the PCB.
- Replace them with a new PCB.
- Fit the screws in with a screwdriver.
- Press the transparent part of the lamp back into the housing.
- Connect the power supply to the fridge.

If none of the above solves your issue please contact Evakool on 1300 385 665 or warranty@evakool.com for details of your closest Evakool service centre.

6. Error Codes

Code	Reason / Solution
F1	<p>Low Voltage</p> <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 (refer to page 7). • The vehicle cabling may be inadequate/unsuitable, please refer to cable specifications table for correct cable thickness (page 5). • Try on a different power source.
F2	<p>Fan Issue</p> <ul style="list-style-type: none"> • Fan is drawing too many amps (over 1 amp). • Turn the fridge off for 30 minutes and then restart it. • If the issue persists contact Evakool.
F3	<p>Compressor Start Issue</p> <ul style="list-style-type: none"> • Unplug for 30 minutes and then restart. • Try on a different power source. • Possible compressor module fault. • Contact Evakool.
F4	<p>The Compressor Speed Is Too Low</p> <ul style="list-style-type: none"> • Unplug for 10 minutes and then restart. • Move unit to a lower ambient temperature. • Clean vents/ensure clear air flow over compressor. • Reduce product load inside fridge.
F5	<p>Ambient Temperature Is Too High</p> <ul style="list-style-type: none"> • Clean vents/ensure clear air flow. • Fan fault. • If issue persists contact Evakool.
F6	<p>Controller Issue</p> <ul style="list-style-type: none"> • Restart the fridge. • If the error still occurs, contact Evakool.
F7 & F8	<p>Thermistor Issue</p> <ul style="list-style-type: none"> • Contact Evakool.

7. Product Data

Model	GLX-80-DZ
Rated Voltage	DC 12/24 AC100-240V
Power Consumption	80W
Capacity	80L
Noise Emission	45dB
Temperature Range	-18C to + 10C
Dimensions	561x455x915
Weight	25.3kg

8. 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.
- The Secop compressor in this unit carries a **5 year** warranty under normal use.
- EvaKool will honour this warranty on presentation of proof of purchase of the unit to EvaKool or its approved service agent. The service agent will be requested to provide EvaKool with a photocopy of the proof prior to warranty being honoured.
- EvaKool will not be held responsible for any costs incurred in making a warranty claim.
- Please telephone 1300 385 665 for the name of an authorised service agent or refer to list provided on website (<https://www.evakool.com.au/stores?type=2>). 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 unauthorised service agents. Any unauthorised 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 authorised by EvaKool.
- Any EvaKool authorised service agent 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 authorisation number must be obtained prior to commencement of any work.
- This warranty does not extend to any products acquired for the purposes of re-supply, to be used up or transformed in a production or manufacture process or in repairing other goods.
- This fridge is intended for recreational use only. If used for commercial use, a 12 month warranty applies.
- To the extent permitted by law, this warranty does not extend to any claim for damages that you or any other person may have for any loss (including without limitation consequential damages or loss of profit) or damage howsoever caused.
- **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 to the preventative maintenance guidelines.
- EvaKool has total discretion of 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.

Please retain your receipt or proof of purchase for warranty purposes. You can register your warranty online at www.evakool.com.au under contact us and register product warranty.

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For your nearest stockist contact Evakool

T: 1300 385 665 (1300 EVKOOL)

E: sales@evakool.com

evakool.com.au

For Service and Warranty support contact Evakool

T: 1300 385 665 (EVKOOL)

E: warranty@evakool.com