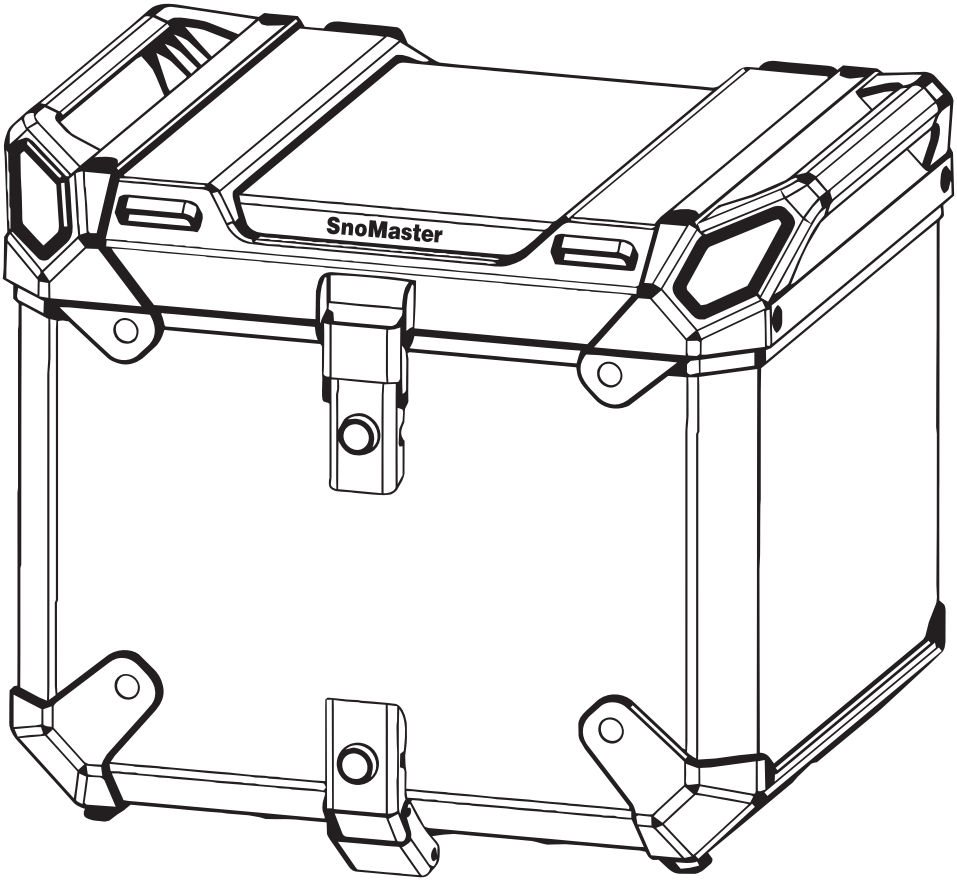
SnoMaster®

USER MANUAL AND PRODUCT SPECIFICATIONS



SMDZ-LS18 17L MOTORBIKE FRIDGE/FREEZER

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THANK YOU FOR PURCHASING THE SMDZ-LS18, 17L MOTORBIKE FRIDGE/FREEZER

• WARRANTY, SERVICE AND SUPPORT •

This product has a **3-year warranty** from the date of purchase. Warranty does not cover products that have not been used in accordance with the user guide or are outside the warranty terms and conditions, which can be found at the following url:
https://snomaster.co.za/warranty/

WARRANTY REGISTRATION

Register your SnoMaster SMDZ-LS18, 17L Motorbike Fridge/Freezer now for warranty, and allow us to provide you with the best possible after sales service:

- Please log onto our website at **www.snomaster.co.za**
- Click on the 'Warranty' tab.
- Enter warranty information and upload proof of purchase at the bottom of the page.

SERVICE AND SUPPORT

Should an instance arrive where you require assistance, contact our service team:

- Please log onto our website at **www.snomaster.co.za**
- Click on the 'Support' tab.
- Click 'Find a Repair Agent Near You' and enter your region.
- Alternatively contact us via email: **info@snomaster.co.za** or contact us on **+27 11 392 5315**.

IMPORTANT SAFETY INFORMATION

SMDZ-LS18, 17L MOTORBIKE FRIDGE/FREEZER

This manual contains important information including safety, installation, maintenance and warranty instructions of the SnoMaster SMDZ-LS18, 17L Motorbike Fridge/Freezer. Please read this manual carefully before use and follow all safety information and instructions. It is recommended to keep this manual for easy reference so that you are familiar with the operation and maintenance of your appliance.

NOTE BEFORE USING YOUR APPLIANCE

Before using this appliance, ensure it is correctly positioned and installed as outlined in this manual. Follow these basic precautions to prevent the risk of fire, electrical shock, or injury:

- This appliance is designed for domestic indoor and outdoor use only and suitable for camping and motorbike/vehicle use.
- Ensure that the incline angle of the appliance is not more than 45° during transportation or operation.
- Ensure the appliance is placed on a flat surface.
- Ensure the plug is easily accessible after positioning the appliance.
- Ensure the appliance is well ventilated and the air vents are completely unobstructed.
- This appliance operates on a single-phase voltage of 220-240V/50Hz, to avoid electrical surges. It is advised to use a surge protector plug. No surge protection is required on 12v due to the voltage cut-out settings on the appliance.
- A separate earthed 15A socket outlet should be used on 220-240V AC and at least a 120W DC socket on 12V or 24V DC.
- Avoid disconnecting the electric plug with wet hands.
- To disconnect the appliance, grip the plug and pull it from the wall outlet or 12V cigarette outlet. Never pull the plug out by the cord.
- It is advisable is use a dedicated power source and avoid using extension cords.

- Please unplug the appliance or disconnect the power before performing any cleaning, maintenance, or servicing.
- If the appliance cord is damaged, it must be replaced by SnoMaster, its approved agent, or a similarly qualified person to prevent any hazard.
- Unless specifically recommended in this manual, do not attempt to repair or replace any part of the appliance. All other servicing should be referred to a qualified technician.
- Never clean appliance parts with flammable fluids as they may create a fire hazard or explosion. Also, avoid storing or using petroleum or other flammable vapours and liquids near this appliance.
- Avoid solvent-based cleaning detergents or abrasives on the interior or exterior as they may damage or discolour it.
- Cleaning and maintenance should be supervised by adults, especially if children are involved.
- The exterior of the appliance should not be exposed to water.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Ensure all packaging materials, stickers, and films are removed from the appliance. Clean the appliance surfaces with a mild detergent and a damp cloth before initial use.
- Before connecting the appliance to a power source, let it stand upright for approximately 12 hours. This measure helps minimise the risk of a cooling-system malfunction that might occur due to handling during incorrect transportation.
- Ensure all electrical connections are clean and dry before switching on the appliance.
- Ensure all parts are correctly assembled before operation.



This appliance contains R134a refrigerant, which is FLAMMABLE and may cause a fire or an explosion.



WHEN DISPOSING THE APPLIANCE

Please observe the following instructions:

- Detach the Lid.
- Always ensure the appliance is out of reach of children. Before disposing of it, damage the body to prevent children from climbing inside, ensuring their safety.
- Follow the instructions of your local regulations when disposing of the appliance.

PRODUCT FEATURES

SINGLE COMPARTMENT | DIGITAL TEMPERATURE CONTROLLER | INTERNAL DC POWER SUPPLY WITH 220V EXTERNAL AC ADAPTER | INTERNAL LED LIGHT | SECURE CARRY POINTS | 2-SPEED SETTING: TURBO & ECO | LID BUCKLE WITH LOCK AND BOTTOM BUCKLE WITH LOCK | LOW-VOLTAGE CUT-OUT SETTINGS (9.6V, 10.1V, 11.1V) | INCLUDES: SELF-ADHESIVE BACKREST, 2 X LOCK KEYS & MOUNTING KIT

SPECIFICATIONS:

- **Dimensions (mm) Unit:** (H) 400 (W) 467 (D) 418
- **Dimensions (mm) Packed:** (H) 473 (W) 530 (D) 465
- **Storage Volume:** 17L
- **Temp Range:** -20°C - 10°C
- **Net Weight:** 11.2Kg
- **Voltage DC:** 12V/24V
- **Rated Current:** 4.1A (12V) / 2.6A (24V)
- **Voltage AC:** 220-240V/50Hz
- **Rated Current:** 2.5A (AC)
- **Rated Power:** 45W
- **Insulation:** Cyclopentane
- **Design Criteria:** Engineered for the African Climate

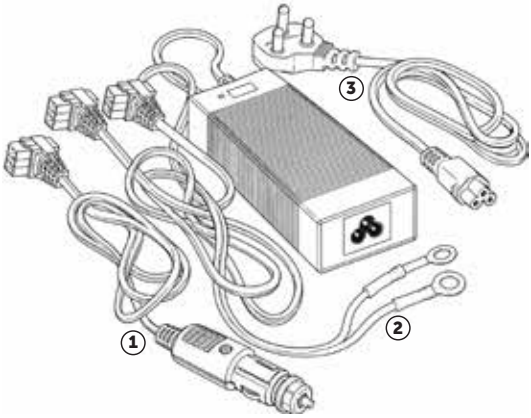
INSTALLATION INSTRUCTIONS

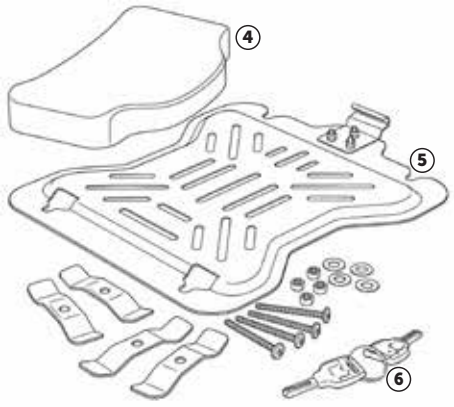
Before installing your new appliance, please read all safety instructions in this manual and follow the installation instructions below:

- Remove the appliance from the box, ensure all packaging materials, stickers, and films are removed from the product and any additional power cords.
- To ensure optimal performance and reduced operational noise, position the appliance on a level, sturdy surface. If utilising a fridge slide or built-in fixture, verify its robustness to bear the appliance's weight when fully loaded.
- **Caution:** Installing the appliance on carpeting may lead to discoloration due to heat emission from the compressor.
- Ensure adequate air circulation for the appliance by maintaining a clearance of at least 150mm on all sides.
- **When transporting the appliance, avoid tilting it beyond a 45-degree angle from its upright position.**
- **Avoid areas where the appliance might be exposed to direct sunlight, any sources of heat (stove, heater, radiator, etc.), extremely hot ambient temperatures or excessive moisture.**

ACCESSORIES INCLUDED

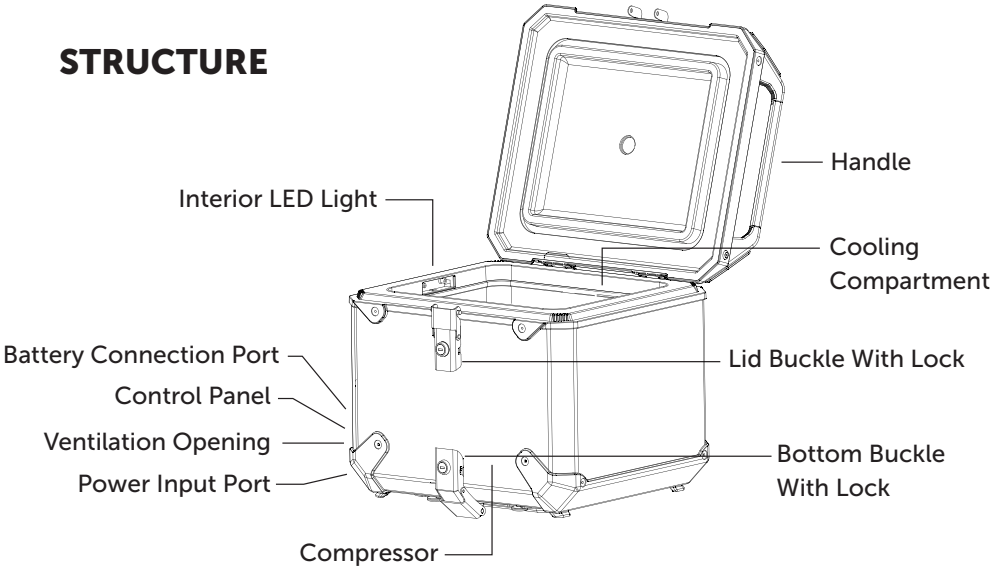
Verify that the appliance includes all the accessories listed below:





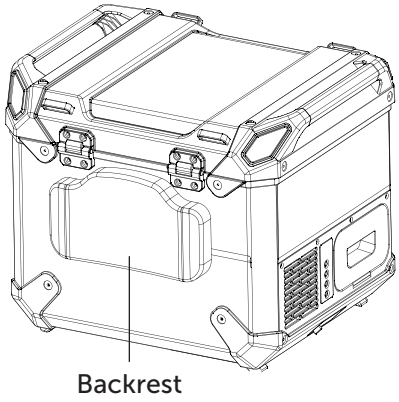
1. DC 12/24V Power Cord (2m)
2. Vehicle Battery Power Cord (1.2m)
3. 220V Power Adapter
4. Self-Adhesive Backrest
5. Mounting Kit
6. Keys

STRUCTURE



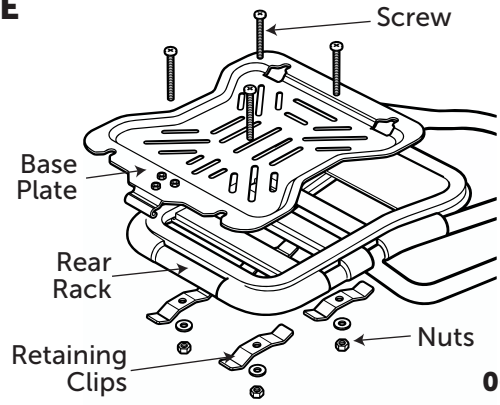
ATTACHING THE BACKREST

- Before attaching the self-adhesive backrest, adjust the position of the backrest vertically and horizontally to suit your preference.
- Remove the protective backing from the adhesive pad.
- Once the backrest is positioned press firmly into place on the rear of the motorbike fridge/freezer compartment.



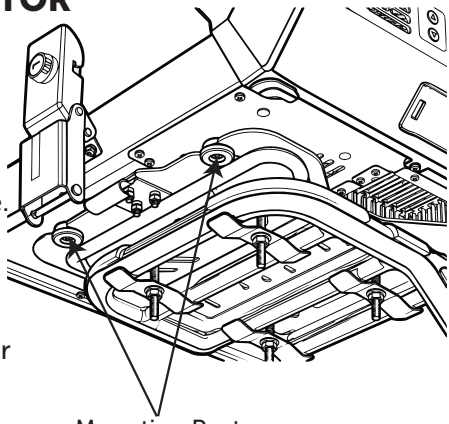
SECURING THE BASE PLATE

- Position the base plate assembly onto the motorcycle rear rack.
- Secure the base plate using the four supplied mounting screws.
- Attach the four retaining clips underneath the rack and secure them with the supplied nuts.

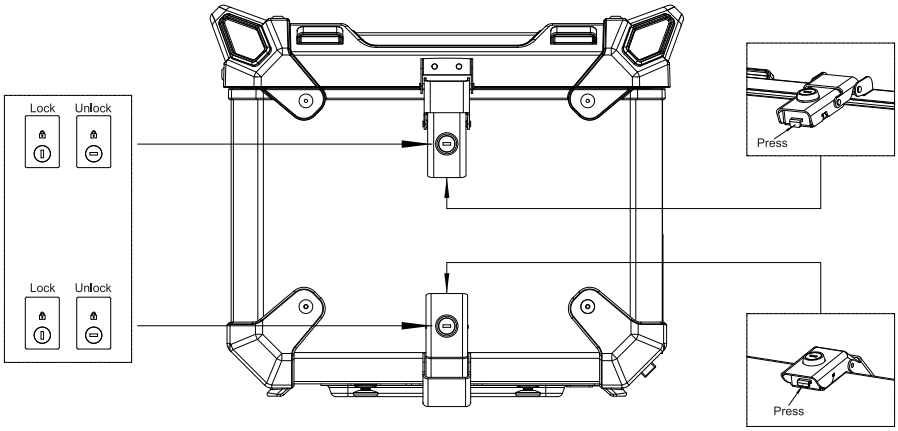


MOUNTING THE REFRIGERATOR

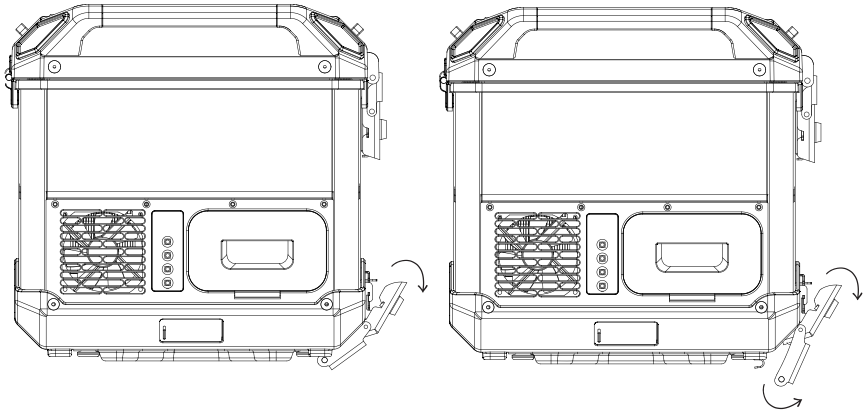
- Ensure the base plate is securely mounted.
- Align the four mounting latch posts on the refrigerator with the corresponding slots on the base plate.
- Slide the motorbike fridge rearward until the latch posts engage and click into place.
- Close the latch to lock the refrigerator securely onto the base plate hook.



LOCK OPERATION

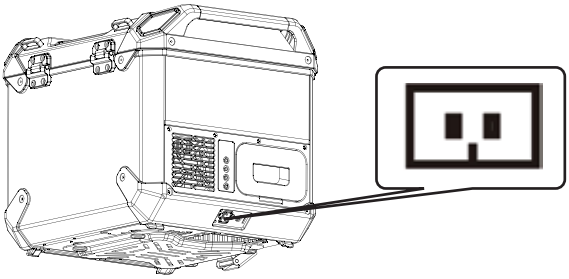


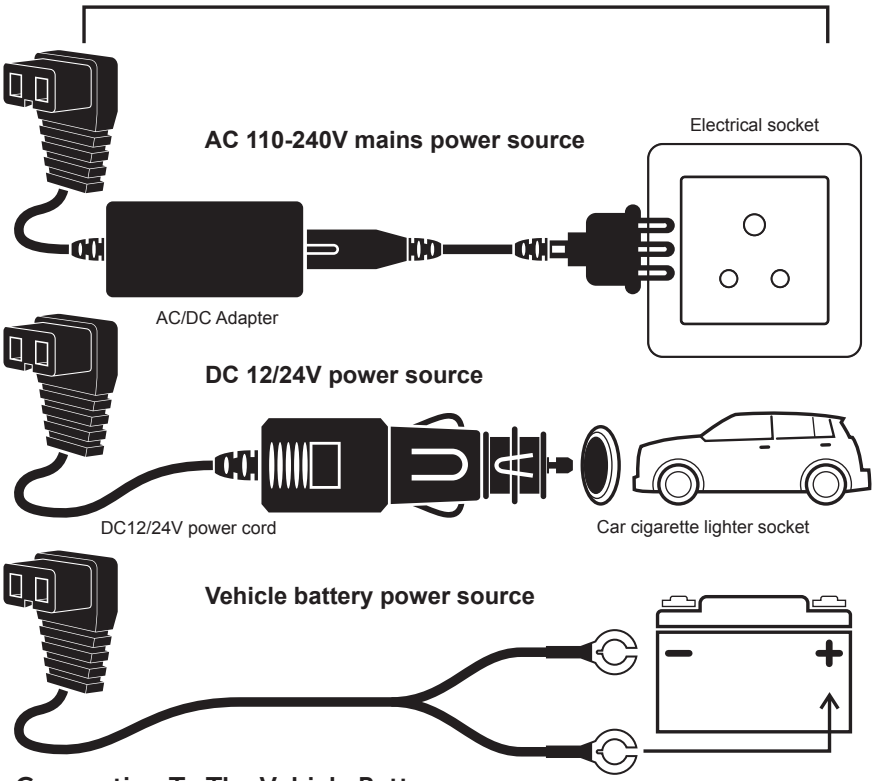
PUSH OUTWARDS TO DISASSEMBLE



POWER SUPPLIES

HOUSEHOLD (AC 110V-240V)





Connecting To The Vehicle Battery:

- Connect the red cable to the positive terminal of the vehicle battery.
- Next, connect the black cable to the negative terminal of the vehicle battery.

Disconnecting From The Vehicle Battery:

When disconnecting, follow the reverse order of connection:

Connecting To The Vehicle Battery:

- Disconnect the black cable from the negative terminal of the vehicle battery.
- Next, disconnect the red cable from the positive terminal of the vehicle battery.

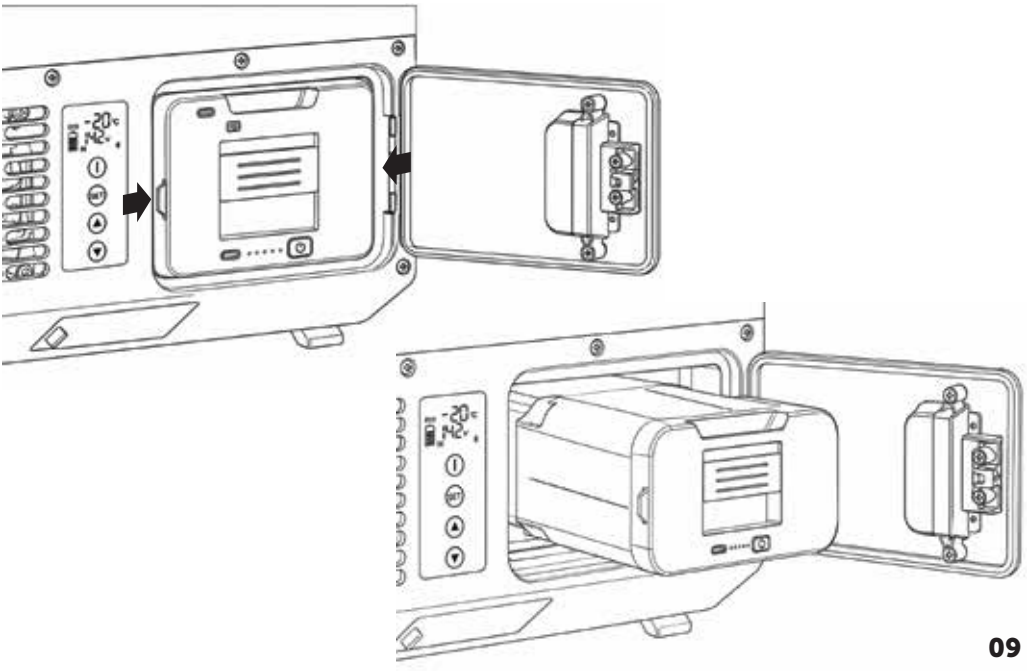
Powering With The Modular Battery (Battery Not Included)

To insert the battery into the device, open the battery slot cover, press the side buttons on the battery, and then slide it into the slot. After releasing the buttons, ensure the locking tabs securely hold the battery in the slot. Close the battery slot cover.

To remove the battery from the device, open the cover, release the locking tabs by simultaneously pressing the side buttons, and then slide it out of the battery slot.

Close the cover after removing the battery from the slot.

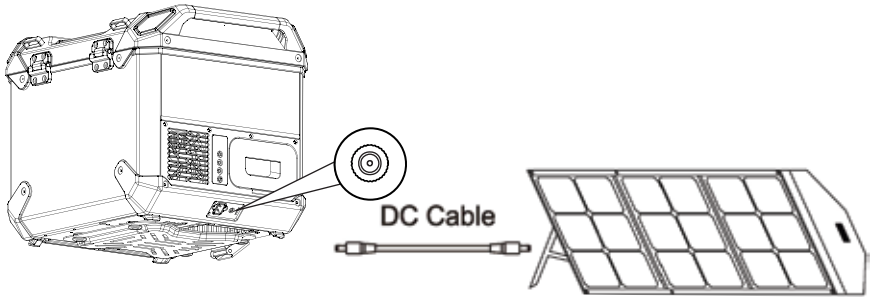
Caution! If the battery is removed from an operating device, it will shut down unless it is connected to another power source. Before re-inserting the battery into the device, ensure the slot is free from dirt and unwanted objects.



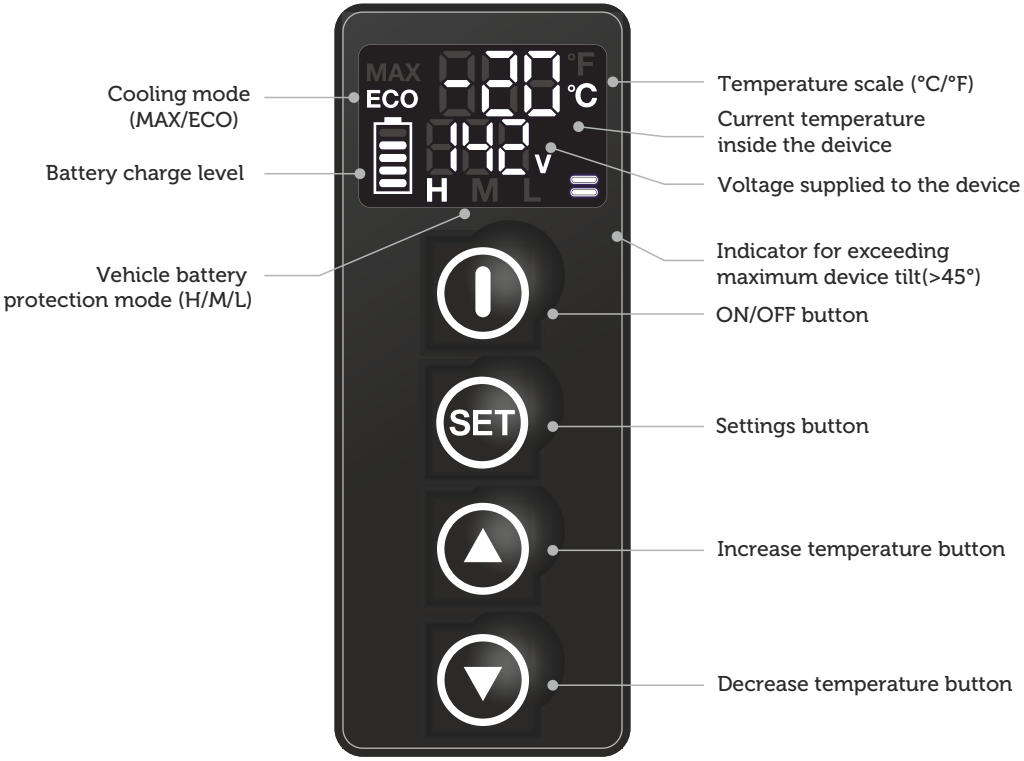
Solar Charging (Maximum Input Voltage: 30V)
Size: DC5521
(Outer Diameter 5.5mm, Inner Diameter 2.1mm)

• Be sure to attach a dedicated battery to the refrigerator before charging with a solar panel.

• Solar panel and dedicated battery not included.



BASIC FUNCTIONS AND USAGE



POWER ON/OFF

Connect the fridge/freezer to a power source. Short press ⏻ to turn the fridge/freezer on/off.
Note: When powered on, the display shows the current internal temperature of the fridge/freezer.

TEMPERATURE SETTING

Press the SET button to enter the temperature adjustment mode. Press the ▲ or ▼ buttons to set the desired temperature. Pressing these buttons will adjust the temperature in 1°C increments. Press and hold the ▲ or ▼ button to change the temperature continuously for faster adjustment.
Note: The temperature display flashes while the setting is being adjusted. Once the flashing stops, the temperature setting has been saved.

OPERATION MODE

Mode Selection: Press the SET button twice, then use the ▲ or ▼ buttons to select MAX (Fast Cooling) or ECO (Energy Saving).

BATTERY PROTECTION LEVEL

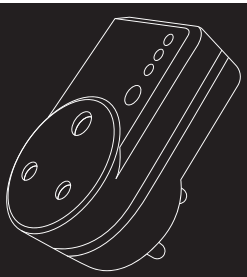
Press the SET button three times, then use the ▲ or ▼ buttons to select H (High), M (Medium) or L (Low) battery protection. The setting is saved automatically after 3 to 5 seconds. Factory default setting: H (High).

BATTERY ICON

The battery icon on the display provides a general indication of available power and not an accurate representation of remaining battery capacity. For a more accurate indication of battery charge level, refer to the Battery Level LEDs located on your battery.

SURGE PROTECTOR PLUG

To avoid electrical surges, it is advised to use a surge protector plug. (Please note that this must be purchased separately and does not come with the unit.)



WHAT IS THE BATTERY PROTECTION SETTING?

This function is designed to prevent over-discharge and battery depletion when the appliance is plugged in. When the measured DC voltage is below cut-off value, the compressor will shut off. When the voltage is higher than the start-up value, the compressor will switch on again.

There are three settings for battery protection, depending on your requirements, as follows:

PROTECTION LEVEL / POWER SOURCE	M LEVEL IS THE DEFAULT SETTING					
	HIGH:		MED:		LOW:	
	START-UP	CUT-OFF	START-UP	CUT-OFF	START-UP	CUT-OFF
12V	10.9V	9.6V	10.1V	10.4V	12.4V	11.1V
24V	22.7V	21.3V	23.7V	22.3V	25.7V	24.3V

Caution: To protect the compressor, if the fridge/freezer is switched off and then on again, please note there will be a delay of approximately 1 minute before the appliance resumes operation. This is a built-in auto-protection feature.

Note: In the event of a malfunction, the fault indicator light will illuminate or blink, and the LED display will present specific error codes. These are explained in detail in the Troubleshooting Section of this manual on Page 14.

MAINTENANCE

For your safety, always unplug the appliance before performing any maintenance or cleaning tasks.

INTERIOR CLEANING:

- Empty the appliance of all items. Clean removable parts with soap and water by hand; they are not dishwasher safe.
- Use a solution of warm water and baking soda/bicarbonate of soda (15 ml per liter) to clean the interior. Avoid abrasive materials and harsh detergents.
- Do not use sharp implements to dislodge ice build-up.
- Rinse with clean water and dry thoroughly.

- To mitigate odors, place an open container of baking soda/bicarbonate of soda inside the appliance.

EXTERIOR CLEANING:

- Avoid cleaning the appliance with sharp tools and high-pressure water sprays.
- Avoid pouring running water over the exterior of the appliance.
- Wipe the exterior of the appliance with warm, soapy water without using abrasive cleaners.
- Take care to avoid sharp edges at the appliance's base.
- Periodically dust off the condenser with a brush or vacuum to prevent dust accumulation that could impair efficiency and increase power use.

FOOD STORAGE

- Limit lid openings to maintain temperature and save energy.
- Do not overfill the appliance to ensure proper air circulation around food items.
- Keep vents clear to allow proper airflow.

ENERGY-SAVING RECOMMENDATIONS

- Position the appliance in the coolest areain/on your vehicle or room, away from heat sources and out of direct sunlight.
- Avoid overloading the appliance to reduce compressor workload.
- Set the thermostat to a moderate cooling temperature to avoid unnecessary energy use.
- Load the fridge/freezer with items that are already chilled or frozen to help it reach the desired temperature more quickly, alternatively, connect the appliance to a dedicated 220V power outlet until it reaches the set temperature, before switching to a 12V/24V power source.

STORAGE

Before storing the appliance, please remove any food items and turn off the power by either unplugging the fridge/freezer or adjusting the temperature control to the OFF position. Clean the interior with a

solution made by dissolving one tablespoon of baking soda /bicarbonate of soda in 1 liter of water. Once cleaned, leave the lid(s) open to ventilate the interior.

TROUBLESHOOTING

Should you experience any issues with your appliance and the below troubleshooting tips do not resolve the fault experienced, kindly contact SnoMaster Service Department or your nearest accredited Service Agent:

PROBLEM	PROBLEM POSSIBLE CAUSE / MEASURE
The compressor runs for 1-5 minutes then stops	• Select a well-ventilated area and keep the fridge/freezer away from direct sunlight. • Switch the power off and restart after a couple of minutes.
The compressor is running but interior of the fridge/freezer is not getting cold	• Ensure the fridge/freezer is well-ventilated. • The Ambient temperature is too high, ensure it is not in direct sunlight or a nearby heat source. • Lid opened too frequently or too much warm product loaded. Minimise open lid too frequently and allow warm or hot food to cool before placing in the fridge/freezer. Avoid overloading the compartment.
The compressor does not run	• The battery protection is set too high, see battery protection settings. • Ambient temperature is too low, relocate the fridge/freezer to a warmer area, preferably at room temperature. • Controller error.
Temperature within the fridge/freezer is too cold and the compressor is running continuously	• Please relocate the fridge/freezer to a warmer area, preferably at room temperature. • The thermostat probe may be faulty. • Check that the temperature is set properly.
The Fridge/Freezer is noisy	• Ensure that the fridge/freezer is level. • Check for any internal loose parts. • Check that there is no dust or obstructions on the condenser fan. • A hissing sound is considered normal, which is caused by refrigerant circulating through the cooling system.
Condensation forming on lid or body	• This is normal, usually caused by high humidity. Ensure adequate ventilation around the refrigerator and remove any obstructions that may restrict airflow around the unit.

TROUBLESHOOTING

PROBLEM	PROBLEM POSSIBLE CAUSE / MEASURE
Error Code “E1”	**Cause:** Input voltage is too low, activating the low-voltage protection system. **Solution:** Check that the power supply voltage is within the specified operating range. Set the battery protection level to M (Medium) or L (Low). If using a battery pack, fully charge the battery before use. If the error persists, set the battery protection level to L (Low).
Error Code “E2”	**Cause:** Fan overload protection has been activated. **Solution:** Switch the fridge/freezer off and check for any loose connections, wiring issues, or obstructions to the fan. If no issues are found, wait 5 minutes and restart the fridge/freezer.
Error Code “E3”	**Cause:** Compressor protection has been activated due to frequent compressor start/stop cycles. **Solution:** Switch the refrigerator off and wait 10 minutes before restarting.
Error Code “E4”	**Cause:** Compressor protection has been activated due to overload or abnormal operating conditions. **Solution:** Switch the refrigerator off and allow it to stand for 1 hour before restarting.
Error Code “E5”	**Cause:** Overheat protection has been actived due to insufficient ventilation or high operating temperatures. **Solution:** Check that the ventilation openings are not blocked and ensure there is at least 150mm of clearance around the vents. Switch the refrigerator off and allow it to cool for 1 hour before restarting.
Error Code “E6”	**Cause:** Temperature sensor fault or loose connection. **Solution:** Switch the refrigerator off and check that the temperature sensor connection is secure. If the error remains, contact the SnoMaster Service Centre.

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ICE COLD ANYWHERE

JOHANNESBURG LIFESTYLE CENTRE & SERVICE CENTRE

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