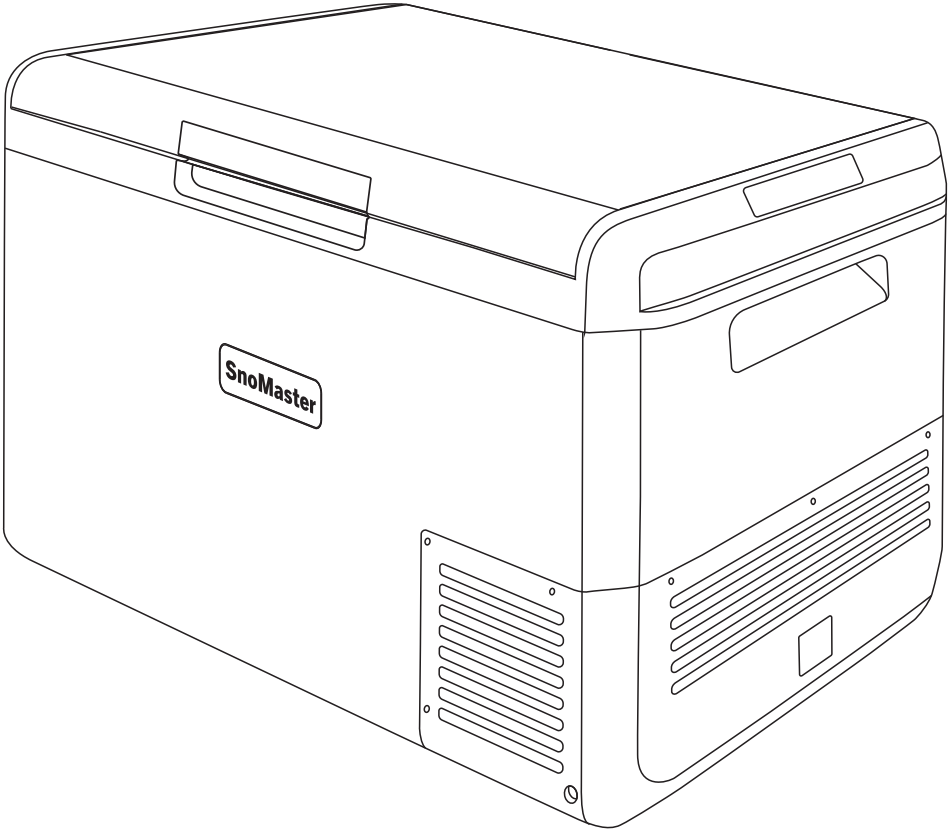
SnoMaster®

ICE COLD ANYWHERE

USER MANUAL AND PRODUCT SPECIFICATIONS

MOBILE

FRIDGE OR FREEZERS



MODELS:

SMLS-26 | SMLS-30 | SMLS-50 | SMLS-90

SnoMaster®

3 YEAR WARRANTY

THAN YOU FOR PURCHASING YOUR SNOMASTER MOBILE FRIDGE/FREEZER

• WARRANTY, SERVICE AND SUPPORT •

This product is warranted for **3-years 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 Mobile 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 arise 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**.

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1. SAFETY INFORMATION

IMPORTANT SAFETY INFORMATION

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE

WARNING

This manual contains important safety, installation and maintenance instructions for the SnoMaster mobile 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.

CRITICAL SAFETY INFORMATION

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 vehicle use.
- Ensure the plug is easily accessible after positioning the appliance.
- 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 out the plug by the cord.
- It is advisable to 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 power supply cord is damaged, it must be replaced by SnoMaster, a reputable service agent or similarly qualified person to prevent any hazard.
- Cleaning and maintenance should be supervised by adults, especially if children are involved.
- Ensure the appliance is well ventilated and the air vents are completely unobstructed.
- 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.
- Ensure the appliance is placed on a flat surface.
- 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.
- 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 15 A socket outlet should be used on 220 - 240V AC and at least a 120W DC socket on 12V or 24V DC.

- When both AC and DC are connected, the appliance will run on AC power.
- The appliance may be connected to more than one source of energy (AC or DC).
- Do not insert fingers into grilles.
- This appliance must not be exposed to rain.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

NOTE BEFORE USING YOUR APPLIANCE

- Ensure all packaging materials, stickers, and films are removed from the product. Clean the product 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 8 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 OF THE APPLIANCE

- 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.

2. PRODUCT SPECIFICATIONS

DIMENSIONS (HXWXD)	378mm x 572mm x 345mm
CAPACITY	25L
NET WEIGHT	11Kg
RATED POWER	60W
POWER SOURCE	DC 12V / 24V
TEMPERATURE SETTING	-20°C to +20°C
RATED CURRENT	5.8A / 2.9A
INSULATION	CFC Free PU Foam

SMLS-26

DIMENSIONS (HXWXD)	424mm x 572mm x 345mm
CAPACITY	30L
NET WEIGHT	11.6Kg
RATED POWER	60W
POWER SOURCE	DC 12V / 24V
TEMPERATURE SETTING	-20°C to +20°C
RATED CURRENT	5.8A / 2.9A
INSULATION	CFC Free PU Foam

SMLS-30

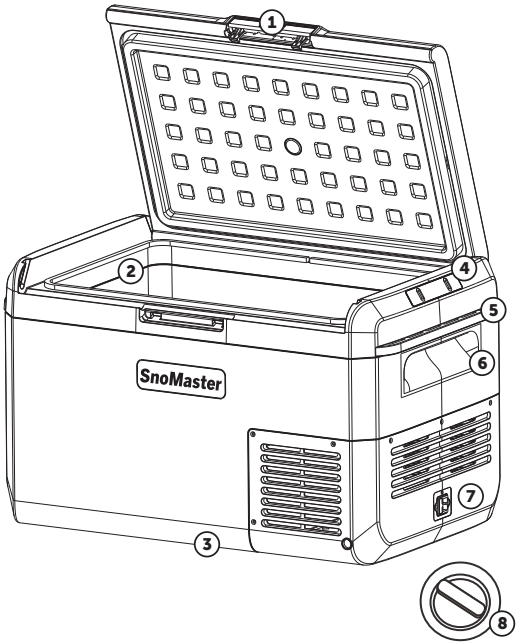
SMLS-50

DIMENSIONS (HXWXD)	394mm x 657mm x 401mm
CAPACITY	40L
NET WEIGHT	13Kg
RATED POWER	60W
POWER SOURCE	DC 12V / 24V
TEMPERATURE SETTING	-20°C to +20°C
RATED CURRENT	5.8A / 2.9A
INSULATION	CFC Free PU Foam

SMLS-90

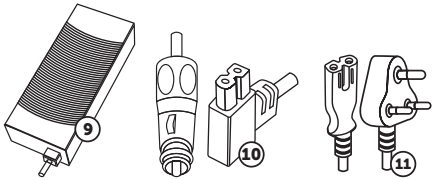
DIMENSIONS (HXWXD)	459mm x 657mm x 401mm
CAPACITY	50L
NET WEIGHT	14.4Kg
RATED POWER	60W
POWER SOURCE	DC 12V / 24V
TEMPERATURE SETTING	-20°C to +20°C
RATED CURRENT	5.8A / 2.9A
INSULATION	CFC Free PU Foam

2.1 STRUCTURE AND ACCESSORIES

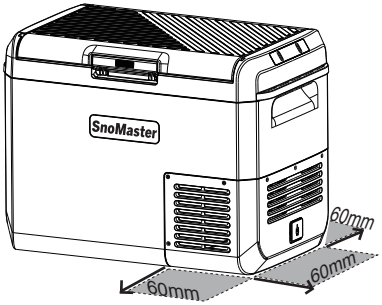


1 Lid latch
2 Led light (Only SMLS-50 & SMLS-90)
3 Drain point (Only SMLS-50 & SMLS-90)
4 Digital control panel
5 Tie down points
6 Recessed carry handle
7 Power input panel

8 Drain Plug (Only SMLS-50 & SMLS-90)
9 Power adaptor
10 DC power cable
11 AC power cord



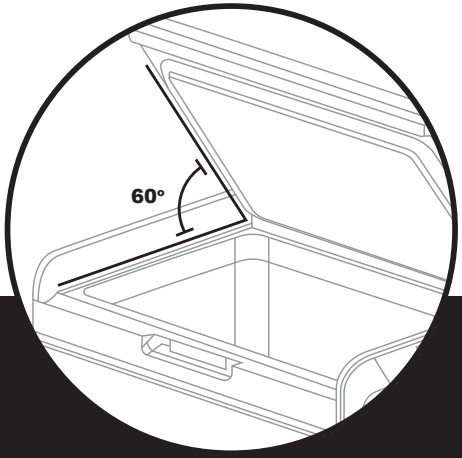
3. VENTILATION CLEARANCE



- Slots and openings in the body are provided for ventilation;
- To ensure reliable operation and to protect against overheating, these openings should never be blocked or covered.
- This product should never be placed in a built-in installation with limited airflow unless adequate ventilation is provided.
- Closed compartments should be provided with cool air intake and warm air exhausts.

A minimum clearance of 60mm is recommended on the back, side and front of the fridge for ventilation.

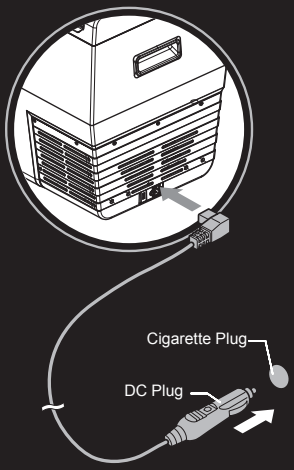
4. REVERSING THE DOOR SWING



The door of the fridge can be removed and switched to the opposite side. Please refer to the instructions provided below.

1. Set the door to open at a 60-degree position.
2. Remove the door along the track.
3. When reassembling, tilt the door to a 60-degree as you slide it back in along the track.

5. POWERING THE APPLIANCE



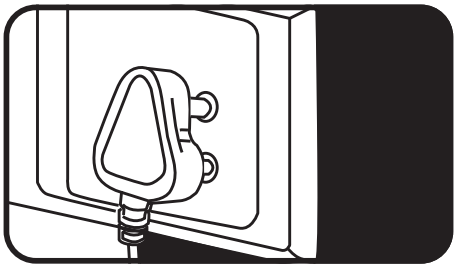
5.1 CONNECTING WITH 12V OR 24V

Connect the power cable to a direct 12V / 24V DC power source.

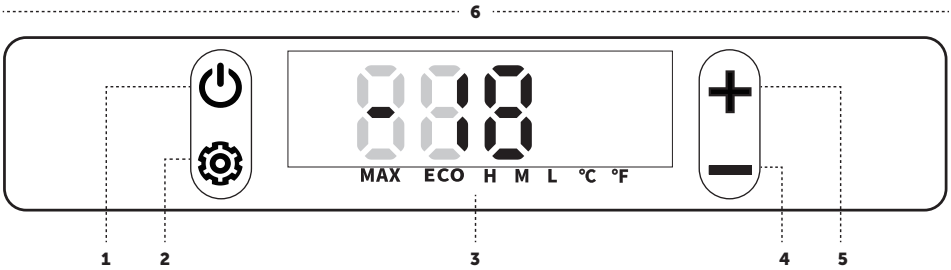
- Make sure the polarity is right.
- If connected to an existing cigarette plug, please carefully check that power supply is sufficient.
- If the supplied power cable is not used, please see the table containing the information related to the cable section. (The appliance is designed to operate on DC voltage inputs.)

5.2 CONNECTING TO A 220V WALL SOCKET

- Please connect the 12V / 24V DC Power Cable to the appliance.
- Then connect the AC plug to the Power Cable Adapter.
- Finally, connect the Power Adapter Cable to a dedicated wall socket.



6. OPERATION



CONTROL PANEL

1	Power button	**4**	Temperature down
2	Settings button	**5**	Temperature up
3	Indicator interface	**6**	Control panel

6.1 POWER ON/OFF

• Connect the fridge & freezer to a power source. Short press the " ⏻ " to turn the appliance on/off.

6.4 ADJUSTING THE TEMPERATURE

• Short press the " + " or " — " buttons to adjust the temperature. Hold down the button for fast scroll. Temperature range: -20°C to 20°C.

7. SETTING MODE

• Long press the " ⚙ " button for 2 seconds to enter Settings Menu. When the display starts flashing, short press the " ⚙ " button to select the desired function:
• MAX/ECO Mode / Battery Protection Setting / Fahrenheit/Celsius Setting.

7.1 ECO AND MAX MODE

• Select MAX/ECO mode, when the current operating mode starts flashing, press the " + " or " — " button once to switch to the next or previous operating mode.
• After switching modes, wait 5 seconds and the selected mode will now be set.
• The default factory mode is MAX.

7.2 BATTERY PROTECTION SETTING

• Select the battery protection setting, when the current battery protection setting starts flashing, press the " + " or " — " button once to decrease or incease the battery protection level.
• After changing the battery protection setting, wait 5 seconds and the selected mode will now be set.

7.3 BATTERY PROTECTION LEVEL

PROTECTION LEVEL POWER SOURCE	M LEVEL IS THE DEFAULT SETTING					
	H		M		L	
	START-UP	CUT-OFF	START-UP	CUT-OFF	START-UP	CUT-OF
12V	12.4V	11.1V	11.7V	10.4V	10.9V	9.6V
24V	25.7V	24.3V	24.2V	22.8V	22.7V	21.3V

WHAT IS 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 the cut-off value, the compressor will shut off to prevent battery depletion. When the voltage is higher than the start-up value, the compressor will switch on again.

7.4 SWAPPING BETWEEN FAHRENHEIT (°F) & CELSIUS (°C)

• Select the Fahrenheit/Celsius Setting, when the current temperature unit font is flashing, press the " + " or " — " button once to toggle between Celsius (°C) and Fahrenheit (°F).
• After selecting Fahrenheit or Celsius, wait 5 seconds and the selected mode will now be set.

8. TROUBLESHOOTING

Should you experience any issues with your appliance, the below troubleshooting tips will assist with resolving the fault experienced:

CODE	DESCRIPTION	ACTION
E1	Battery voltage is low.	• Check battery voltage and adjust Low Voltage Cut-Off as required.
E2	Fan failure.	• Contact your nearest service agent to arrange further action.
E3	Compressor startup problems.	• Check air vents are clear. • Move fridge & freezer to cooler location (ambient temperature may be too high).
E4	Compressor's running speed fails to reach the requirements.	
E5	The compressor module is overloading.	
E6	NTC failure (open circuit or short circuit).	
E7	Communication failure between the display board and its module.	• Contact your nearest service agent.
E9	Abnormal phase current of compressor module.	• Ensure the air vents are unobstructed. • Move the fridge & freezer to a cooler location. • Ambient temperature may be too high.
	The fridge & freezer is not cooling or only running for short periods of time.	• This could be due to the fridge & freezer being turned on and off too quickly. Disconnect the fridge & freezer from all power sources for 15 minutes to allow it to reset.
	The fridge & freezer is not powering on.	• If using a 12 / 24 DC connection, try plugging the fridge & freezer into a 220V AC wall socket. • If the fridge & freezer works using 220V AC power, check the battery protection settings and ensure your battery is fully charged. • Ensure you are using the cable that was supplied with the fridge & freezer. • Should the problem persist, contact your nearest service agent.

- If these error codes appear when the appliance is operating on 12V DC, try lowering the battery protection setting and see if the error is resolved. The battery protection mode may be triggered prematurely on certain vehicles due to wiring imperfections, contributing to a measured DC voltage drop at compressor start-up. Lowering the battery protection settings may resolve these issues.
- Please also ensure to check your battery voltage to make sure it is not depleted/discharged.
- Please contact your nearest service agent if the above faults persist.

9. DEFROSTING

It is normal. for ice to accumulate on the cooling surfaces of the fridge/freezer. This will be more significant in humid environments. Increased ice build-up will reduce cooling performance and should be removed periodically.

USEFUL TIPS:

- Before defrosting, remove all contents from the fridge/freezer compartment/s.
- Disconnect all power cables from the fridge/freezer and open the lid.
- Allow any ice to defrost and melt (Do not use sharp objects to scrape ice from the cooling surfaces).
- Use a soft cloth to remove melting ice and water.
- Ensure to thoroughly dry the interior of the fridge/freezer before powering it on again.

10. CARE & CLEANING

CLEANING THE EXTERIOR OF THE APPLIANCE

FINGERPRINT RESISTANT PLASTIC

Outside surfaces, door handles, and trim.

Please refrain from applying stainless steel cleaner to any plastic components, including trims, handles, hardware, and interior linings. If cleaners inadvertently come into contact with these parts, gently cleanse the plastic with a soft sponge dampened in a mild detergent solution and warm water.

CLEANING THE INTERIOR OF THE APPLIANCE

- To mitigate odours, it's effective to place an open container of baking soda in the appliance compartment/s.
- Prior to cleaning the appliance, ensure it is unplugged. If unplugging the appliance is not feasible, carefully remove excess moisture from your sponge or cloth to prevent dampness from coming into contact with electrical components such as switches, lights, or controls.
- For cleaning, a solution of warm water mixed with baking soda (approximately 15 ml of baking soda per liter of water) is recommended.
- This solution not only cleans but also helps neutralise odours. Afterward, be sure to rinse the surfaces and dry them thoroughly.
- When the door seals are cleaned, lightly apply petroleum jelly to the hinge side of the seals. This maintenance step prevents the seals sticking and losing their shape.

STORAGE

When storing the appliance, remove all food items, disconnect the power by unplugging the appliance or set the temperature control to the OFF setting. Clean the interior using a solution of one tablespoon of baking soda mixed with 1L of water. After cleaning, leave the lid/s open to air out the interior.

SnoMaster®

ICE COLD ANYWHERE

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