

## Smad DSX-50B2E

# Smad 50L 12V 220V Absorption Refrigerator Instruction Manual

Model: DSX-50B2E | Brand: Smad

## 1. INTRODUCTION

Thank you for choosing the Smad 50L 12V 220V Absorption Refrigerator. This appliance is designed to provide reliable and silent cooling for a variety of environments, including caravans, motorhomes, trucks, vans, bedrooms, offices, hotels, dormitories, and studios. Its absorption cooling system ensures quiet operation with minimal energy consumption. This manual provides essential information for the safe and efficient use of your refrigerator. Please read it thoroughly before installation and operation, and retain it for future reference.

### 1.1 Safety Information

- Ensure the refrigerator is placed on a stable, level surface to prevent tipping and ensure proper operation of the absorption system.
- Do not block ventilation openings. Adequate airflow is crucial for efficient cooling.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Connect to appropriate power sources (12V DC or 220V AC) as specified. Do not use other voltages.
- Keep flammable materials and liquids away from the appliance.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Unplug the refrigerator before cleaning or performing any maintenance.

## 2. SETUP AND INSTALLATION

### 2.1 Unpacking

Carefully remove all packaging materials. Inspect the refrigerator for any damage that may have occurred during transit. If damage is found, contact your retailer immediately.

### 2.2 Placement

For optimal performance, place the refrigerator in a location with good air circulation. Ensure there is sufficient space

around the unit for heat dissipation. The refrigerator must be placed on a firm, level surface. Uneven surfaces can affect the efficiency of the absorption cooling system.



**Image 1:** Dimensions of the Smad 50L Refrigerator. The unit measures 40.2 cm (width) x 46.5 cm (depth) x 67.0 cm (height).



**Image 2:** Example placement of the Smad refrigerator inside a van, demonstrating its compact fit for mobile applications.

## 2.3 Power Connection

This refrigerator supports dual power input: 12V DC and 220V AC. Ensure the correct power cable is used for the intended power source.

- **12V DC Connection:** Use the provided 12V DC cable to connect the refrigerator to a compatible 12V power outlet in your vehicle (caravan, motorhome, truck, etc.).
- **220V AC Connection:** Use the provided 220V AC power cord to connect the refrigerator to a standard household power outlet.

Do not connect both 12V DC and 220V AC simultaneously. The refrigerator will automatically prioritize the AC power if both are connected, but it is recommended to use only one at a time.

# DC 12V/AC 220-240V 50L 2 Way Fridge

0-10°C



**12V**



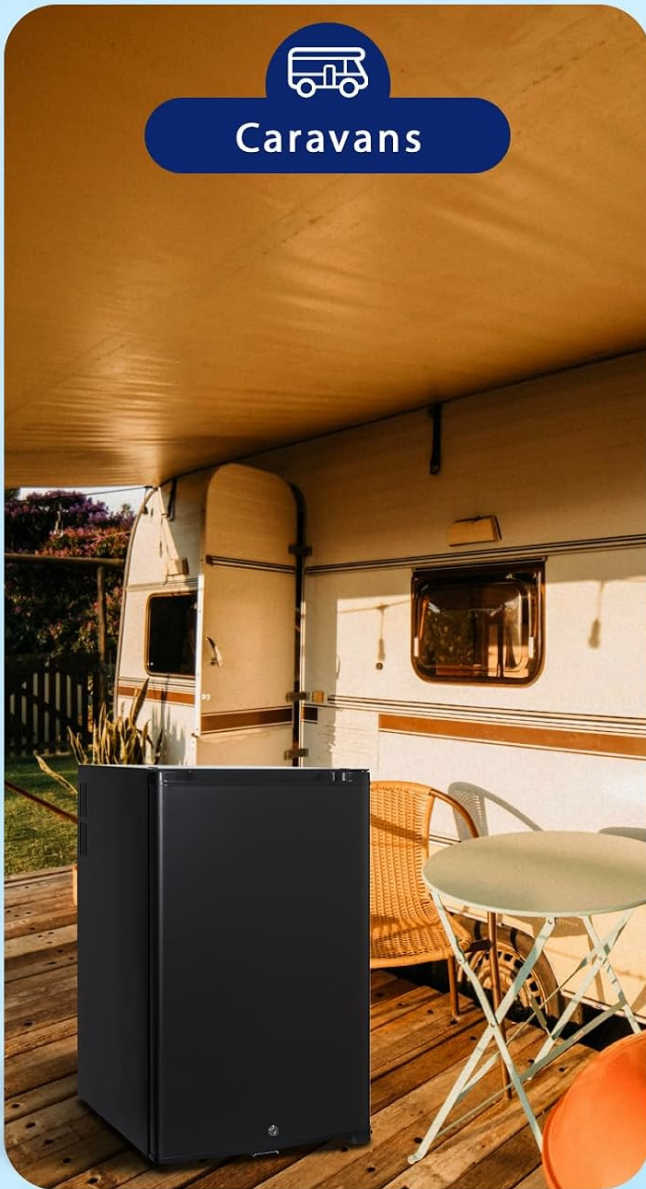
**220V-240V**

**Image 3:** The Smad refrigerator showcasing its dual power capability with 12V DC (car plug) and 220V AC (standard plug) connections.

# 12V Power Supply



Caravans

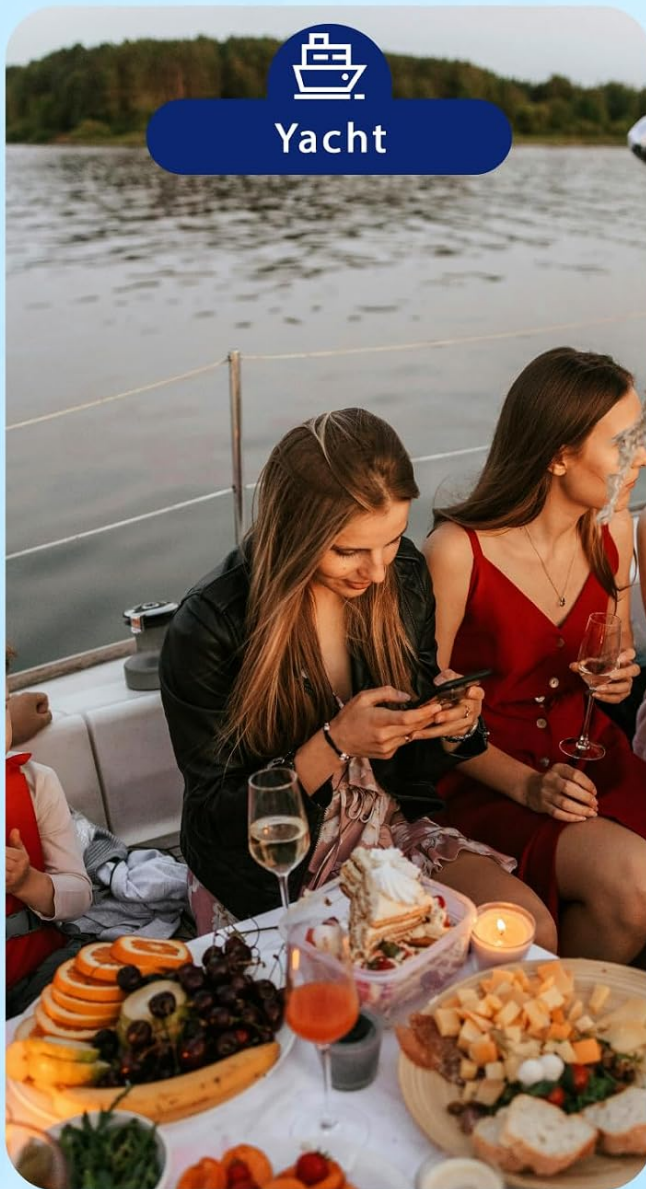


Lorry Truck



**Image 4:** The Smad refrigerator being used with 12V power in a caravan and a lorry truck, highlighting its portability for vehicles.

# 220-240V Power Supply



Yacht



Room

**Image 5:** The Smad refrigerator connected to 220V power, suitable for use on a yacht or in a room, demonstrating its versatility.

## 2.4 Initial Use

After placing the refrigerator in its desired location, allow it to stand upright for at least 2-4 hours before plugging it in. This allows the cooling fluid to settle. Once plugged in, allow the refrigerator to operate for several hours (e.g., 4-6 hours) to reach its stable operating temperature before loading it with food or beverages.

## 3. OPERATING INSTRUCTIONS

### 3.1 Temperature Control

The refrigerator features an adjustable thermostat to set the desired cooling temperature. The temperature range is approximately 0°C to 10°C. Turn the thermostat dial to a higher number for colder temperatures and a lower number for warmer temperatures. The 'OFF' position will turn off the cooling function.



**Image 6:** Interior view of the Smad refrigerator, showing the LED light and the thermostat dial for temperature adjustment.



**Image 7:** A close-up of the thermostat dial, indicating settings from 1 to 5 and an 'OFF' position for temperature control.

### 3.2 Internal Organization

The refrigerator is equipped with removable shelves, allowing you to customize the internal storage space to accommodate items of various sizes. The door also features compartments for bottles and smaller items.

### 3.3 Reversible Door

The refrigerator door is designed to be reversible, allowing it to open from either the left or the right side. This feature provides flexibility in placement and optimizes space. Refer to the detailed instructions in the separate installation guide for reversing the door, if needed.

# Reversible Door Design



**Image 8:** Illustration of the reversible door design, showing the refrigerator door opening from both the left and right sides.

## 4. MAINTENANCE

### 4.1 Cleaning

Regular cleaning helps maintain the hygiene and efficiency of your refrigerator.

- **Interior:** Unplug the refrigerator. Remove all food items and shelves. Wash the interior surfaces with a solution of mild detergent and warm water. Rinse with a clean, damp cloth and dry thoroughly.
- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. For stubborn stains, use a mild, non-abrasive cleaner.
- Do not use abrasive cleaners, harsh chemicals, or sharp objects for cleaning, as these can damage the surfaces.

### 4.2 Defrosting

This refrigerator features a manual defrost system. Frost buildup on the cooling plate is normal. When the frost layer

becomes approximately 5mm thick, it is time to defrost the unit.

- Unplug the refrigerator from the power supply.
- Remove all food items and place them in a cooler.
- Leave the refrigerator door open to allow the frost to melt naturally. Place a towel or shallow pan at the bottom to collect melted water.
- Once defrosted, clean and dry the interior thoroughly before plugging it back in and reloading food.

### 4.3 Long-Term Storage

If the refrigerator will not be used for an extended period:

- Unplug the unit and defrost it completely.
- Clean and dry the interior and exterior surfaces.
- Leave the door slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area.

## 5. TROUBLESHOOTING

Before contacting customer service, please check the following common issues and solutions:

| Problem                                   | Possible Cause                                        | Solution                                                                                                                         |
|-------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Refrigerator does not operate.            | No power supply.                                      | Check if the power cord is securely plugged into the outlet. Verify the outlet is functional. Check the fuse or circuit breaker. |
| Refrigerator is not cooling sufficiently. | Thermostat setting is too high.                       | Adjust the thermostat to a colder setting.                                                                                       |
|                                           | Door is not closed properly or opened too frequently. | Ensure the door is fully closed. Minimize door openings.                                                                         |
|                                           | Poor ventilation.                                     | Ensure adequate space around the refrigerator for air circulation.                                                               |
|                                           | Excessive frost buildup.                              | Defrost the unit as per maintenance instructions.                                                                                |
| Unusual noise.                            | Refrigerator is not level.                            | Adjust the leveling feet to ensure the refrigerator is stable and level.                                                         |
|                                           | Objects vibrating against the unit.                   | Check for any items touching the back or sides of the refrigerator.                                                              |

## 6. SPECIFICATIONS

| Feature      | Detail                  |
|--------------|-------------------------|
| Brand        | Smad                    |
| Model Number | DSX-50B2E (also DW50CE) |
| Capacity     | 50 Liters               |

| Feature                | Detail                        |
|------------------------|-------------------------------|
| Dimensions (L x W x H) | 46.5 x 40.2 x 67 cm           |
| Weight                 | 20 Kilograms                  |
| Noise Level            | 21 dB                         |
| Installation Type      | Freestanding                  |
| Power                  | 90 Watts                      |
| Voltage                | 12 Volts (DC), 220 Volts (AC) |
| Temperature Range      | 0-10°C                        |
| Defrost System         | Manual                        |
| Door Features          | Reversible, Plastic Finish    |
| Shelf Material         | Plastic, Adjustable           |
| Certification          | CE                            |

## 7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

If you encounter issues not covered in the troubleshooting section, or require further assistance, please contact Smad customer support or your authorized dealer. When contacting support, please have your model number (DSX-50B2E) and purchase date ready.

© 2023 Smad. All rights reserved.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

#### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

#### Answered questions about this manual

**Should the interior lights of the Smad DSX-50B2E refrigerator come on when the door is open while using a 12V supply?**

Based on the manual for the Smad DSX-50B2E, the interior LED light is designed to illuminate when the door is open. While the manual does not explicitly state that the light is disabled during...

[Read full answer](#)