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SMETA SC40A

SMETA SC40A 1.4 Cu.Ft. 3-Way Propane/12V/110V RV  
Refrigerator Instruction Manual

Model: SC40A

- Safety Information
- Setup
- Operation
- Maintenance
- Troubleshooting
- Specifications
- Warranty & Support

1. INTRODUCTION

Thank you for purchasing the SMETA SC40A 1.4 Cu.Ft. 3-Way Propane/12V/110V RV Refrigerator. This appliance is designed for versatile use, offering reliable cooling for your food and beverages in various settings, including RVs, campers, trucks, trailers, and off-grid locations. Please read this manual thoroughly before installation, operation, or maintenance to ensure safe and efficient use of your refrigerator.



*Image: The SMETA SC40A 1.4 Cu.Ft. 3-Way RV Refrigerator, a compact black unit suitable for various mobile and off-grid applications.*

## 2. SAFETY INFORMATION

**WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.**

- Always ensure proper ventilation when operating on propane gas to prevent carbon monoxide buildup.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Check all gas connections for leaks using a soapy water solution before initial use and after any gas cylinder change.
- Keep children away from the appliance during operation.
- Ensure the refrigerator is level before operation to ensure proper cooling performance, especially when using absorption cooling (gas).
- If the burner has not lit after 4-5 attempts, turn off the gas tap, wait 5 minutes, and then try to re-light. If the burner

still fails to light, contact an authorized service provider.

### 3. PACKAGE CONTENTS

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Verify that all items are present and undamaged upon unpacking:

- SMETA SC40A Refrigerator Unit
- User Manual
- Adjustable Wire Shelf
- Door Bins
- Ice Cube Tray (if applicable)
- Scraper (if applicable)
- 12V DC Power Cord
- 110V AC Power Cord
- Propane Gas Hose and Regulator (may be included or sold separately depending on region)

### 4. PRODUCT FEATURES

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- **3-Way Power:** Operates on 110V AC, 12V DC, or Propane Gas (LPG) for maximum flexibility.
- **Compact Design:** 1.4 Cu.Ft. (40L) capacity, ideal for small spaces in RVs, campers, and dorms.
- **Adjustable Thermostat:** Allows precise temperature control.
- **Removable Shelf:** For flexible storage options.
- **Reversible Door:** Can be opened from the left or right to suit your space.
- **Quiet Operation:** Compressor-free absorption cooling ensures minimal noise.

# Reversible Door That Can Open From Left Or Right



◀ • From right to left

From left to right • ▶

*Image: The SMETA SC40A refrigerator showcasing its reversible door feature, allowing it to open from either the left or right side.*

## 5. SETUP

### 5.1 Unpacking and Placement

1. Remove all packaging materials, including any protective film from the exterior and interior surfaces.
2. Allow the refrigerator to stand upright for a minimum of 6 hours prior to initial power-on. This allows the refrigerant to settle.
3. Place the refrigerator on a firm, level surface. Adjust the black leveling feet at the front-left corner of the base to ensure stability and proper operation.
4. Ensure adequate ventilation around the unit, especially at the rear where the cooling components are located.



Image: The rear view of the SMETA SC40A refrigerator, showing the cooling unit and connections.

## 5.2 Connecting to Power Sources

The refrigerator supports three power modes: 110V AC, 12V DC, and Propane Gas (LPG).

- **110V AC:** Plug the AC power cord into a standard 110V wall outlet.
- **12V DC:** Connect the 12V DC power cord to a compatible 12V power source in your vehicle or RV. Ensure correct polarity.
- **Propane Gas (LPG):** Connect the gas hose and regulator to a propane tank. Ensure all valves between the gas container and the refrigerator are open.

## 6. OPERATING INSTRUCTIONS

### 6.1 Control Panel Overview

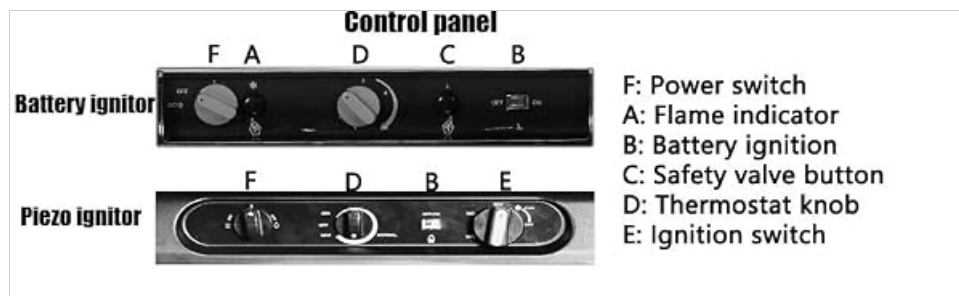


Image: A close-up of the SMETA SC40A control panel, featuring power source selection, thermostat knob, and ignition buttons.

### 6.2 Selecting Power Mode

Use the rotary switch on the control panel to select your desired power source **OFF**, **DC12**, **AC**, or **GAS**.

### 6.3 Gas Operation (LPG)

1. Set the rotary switch to **GAS**.
2. Depress the safety device control (C) and hold it down while depressing the igniter switch (A) for battery ignition, or push ignition switch (E) for piezo igniter.
3. Check the flame indicator (B) to see whether the flame is alight. For piezo igniter, the flame indicator needle moves into the green area.
4. Keep the safety device control (C) depressed for a further 10-15 seconds.
5. Release the safety device control (C) and again check to see that the flame is alight.
6. Adjust the thermostat knob (D) to your desired temperature setting.

*Note: If the battery ignition fails to spark, you might need to replace the battery.*

## 6.4 Temperature Control

Adjust the thermostat knob (D) to set the desired cooling level. Allow 8 to 10 hours of operation to achieve the desired temperature, especially during initial use or after extended periods of being off.

*Video: An official SMETA video demonstrating the 3-way operation of a propane refrigerator, including setup and usage tips for off-grid environments.*

## 7. MAINTENANCE

### 7.1 Cleaning

- Always unplug the refrigerator or turn off the gas supply before cleaning.
- Clean the interior and exterior surfaces with a soft cloth and mild detergent. Avoid abrasive cleaners or solvents.
- Regularly clean the condenser coils at the back of the unit to ensure efficient cooling.

### 7.2 Defrosting

This refrigerator features an automatic defrost system. However, if excessive ice buildup occurs in the freezer compartment, manually defrost the unit by turning it off and allowing the ice to melt naturally. Place a towel at the bottom to absorb water.

## 8. TROUBLESHOOTING

| Problem                   | Possible Cause                                                                       | Solution                                                                                                                     |
|---------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Refrigerator not cooling  | Incorrect temperature setting, poor ventilation, power supply issue, unit not level. | Adjust thermostat, ensure adequate airflow, check power connections (AC/DC/Gas), level the unit.                             |
| Gas burner not igniting   | Gas supply off, air in gas lines, faulty igniter.                                    | Check gas tank and valves, purge air from lines by attempting ignition several times, replace igniter battery if applicable. |
| Excessive noise           | Unit not level, loose components.                                                    | Ensure the refrigerator is level, check for and tighten any loose parts.                                                     |
| Water inside refrigerator | Drain hole blocked, door not sealing properly.                                       | Clear the drain hole, check door gasket for proper seal.                                                                     |

## 9. SPECIFICATIONS

- **Model Number:** SC40A
- **Brand:** SMETA
- **Capacity:** 1.4 Cubic Feet (40 Liters)
- **Product Dimensions (D x W x H):** 17.7" x 18.3" x 25.5"
- **Item Weight:** 43.1 Pounds
- **Power Sources:** 110V AC, 12V DC, Propane Gas (LPG)
- **Defrost System:** Automatic

- **Refrigerant:** R-134A
- **Annual Energy Consumption:** 110 Kilowatt Hours
- **Material:** Stainless Steel

## 10. WARRANTY AND SUPPORT

SMETA products come with a standard manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official SMETA website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact SMETA customer service directly. You can find contact information on the SMETA website or in your product packaging.

### **SMETA Electric Appliances Co.,Ltd**

For further assistance, please visit the [SMETA Store on Amazon](#).

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