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› Smad XC-60G 3-Way RV Refrigerator User Manual

Smad XC-60G

Smad XC-60G 3-Way RV Refrigerator User Manual

Model: XC-60G

Brand: Smad

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation of your Smad XC-60G 3-Way RV Refrigerator. Designed for versatility, this 2.1 cu.ft absorption refrigerator offers flexible power options (12V, 110V, and LPG) making it ideal for RVs, campers, vans, and off-grid use. Its silent operation and compact design ensure convenience and comfort in various settings.



Image: The Smad XC-60G 3-Way RV Refrigerator, showcasing its compact size and 2.1 cubic feet capacity, alongside a propane tank and fresh produce, illustrating its intended use for mobile and off-grid environments.

2. PACKAGE CONTENTS

Please check the package contents upon unpacking to ensure all items are present and undamaged:

- 1 x Smad XC-60G 3-Way RV Refrigerator
- 1 x Door Bin
- User Manual (this document)

3. KEY FEATURES

- **Versatile 3-Way Power:** Operates on 12V DC, 110V AC, or LPG (Liquefied Petroleum Gas), offering flexibility for various power sources, especially useful for off-grid applications. Note: LPG gas pressure must be 2.8mbar.
- **Compact and Portable:** With 2.1 cu.ft of storage and adjustable shelves, it's designed for efficient space utilization in RVs, campers, and small living areas. The door features a lock and protective frame to secure

contents during travel.

- **Efficient Cooling:** Maintains a temperature range of 32 to 50°F (0 to 10°C), suitable for keeping fruits, vegetables, and beverages fresh.
- **Ultra-Quiet Operation:** Utilizes an advanced absorption refrigeration system, operating at 0dB, ensuring no disturbance to your environment.
- **Durable and Low Maintenance:** The absorption system minimizes moving parts, reducing wear and tear and lowering maintenance requirements. It is designed for reliability in outdoor and mobile conditions.

3 WAYS OF POWER SUPPLIES

Use outdoor and indoor, meet your various needs



DC 12V



AC 110V



LPG



Image: An illustration highlighting the three power supply options for the refrigerator: DC 12V, AC 110V, and LPG, emphasizing its adaptability for both outdoor and indoor use, with an RV parked in a natural setting.



Image: The refrigerator placed in a living room next to a sofa, with a person and a dog, illustrating its quiet operation (0dB) and energy efficiency (estimated \$0.1 per day), ensuring it does not disturb daily activities.

4. SETUP AND INSTALLATION

Proper setup and installation are crucial for the refrigerator's optimal performance and safety. Ensure the unit is placed on a stable, level surface with adequate ventilation around it, especially for the absorption cooling system.

4.1 Placement Considerations

- Ensure sufficient clearance around the back and sides for proper airflow.
- Avoid direct sunlight or heat sources, which can reduce cooling efficiency.
- For RV or mobile installations, secure the unit to prevent movement during transit.

4.2 Power Connection

Connect the refrigerator to your desired power source:

- **12V DC:** Connect to a compatible 12V power supply in your vehicle or off-grid system.

- **110V AC:** Plug into a standard 110V household outlet.
- **LPG:** Connect to a propane gas supply. Ensure the gas pressure is 2.8mbar. Always check for gas leaks after connection using a soapy water solution.

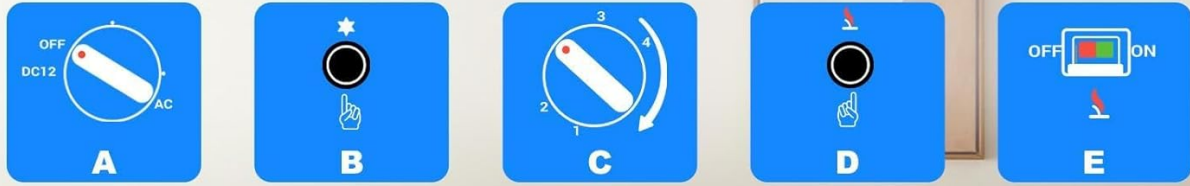


Image: The compact refrigerator with its dimensions clearly marked (18.1" D x 18.9" W x 26.2" H), illustrating its suitability for various spaces, including outdoor and camping environments.

5. OPERATING INSTRUCTIONS

The Smad XC-60G features a user-friendly top-mounted control panel for easy operation.

Top Mounted Control Panel



A: Power switch

B: Pulse ignition switch

C: Thermostat knob

D: Safety valve

E: Flame indicator

Image: A close-up view of the refrigerator's top-mounted control panel, with each component clearly labeled for identification and operational guidance.

5.1 Control Panel Functions

- A. **Power Switch (A):** Selects the power source (OFF, DC12V, AC). Turn to the desired power mode.
- B. **Pulse Ignition Switch (B):** Used to ignite the LPG burner when operating on gas. Press and hold while turning the thermostat knob.
- C. **Thermostat Knob (C):** Adjusts the cooling temperature. Turn clockwise for colder settings (higher numbers).
- D. **Safety Valve (D):** A safety mechanism, typically integrated with the gas supply.
- E. **Flame Indicator (E):** Illuminates when the LPG flame is active, indicating successful gas operation.

5.2 Initial Operation

1. Ensure the refrigerator is properly connected to a power source (12V, 110V, or LPG).
2. Turn the **Power Switch (A)** to the desired mode (DC12V, AC).
3. If using LPG, turn the **Power Switch (A)** to the LPG setting. Press and hold the **Pulse Ignition Switch (B)** while simultaneously turning the **Thermostat Knob (C)** to a desired setting. Observe the **Flame Indicator**

(E) to confirm ignition. Release the ignition switch after the flame is stable.

4. Set the **Thermostat Knob (C)** to your preferred cooling level. Allow several hours for the refrigerator to reach its optimal temperature.

5.3 Door Lock Mechanism

The refrigerator door is equipped with a lock and protective frame to prevent accidental opening and spills during travel. Ensure the door is securely latched before moving the unit.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your refrigerator.

6.1 Cleaning

- Unplug the refrigerator or turn off the gas supply before cleaning.
- Clean the interior with a mild detergent and warm water. Wipe dry with a soft cloth.
- For the exterior, use a damp cloth. Avoid abrasive cleaners or solvents.
- Periodically clean the ventilation grilles at the back to ensure unobstructed airflow.

6.2 Defrosting

This refrigerator features a Frost Free defrost system, minimizing ice buildup. However, if any frost accumulates, turn off the unit and allow it to melt naturally. Wipe away excess water.

6.3 Absorption System Care

The absorption system is designed for durability with fewer moving parts. Ensure the unit remains level during operation to maintain optimal performance of the absorption cycle.

7. TROUBLESHOOTING

If you encounter issues with your refrigerator, refer to the following common problems and solutions before contacting customer service.

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply Thermostat set too high Poor ventilation Unit not level (for absorption system) LPG tank empty or valve closed	Check power connection (12V, 110V) or LPG supply. Adjust thermostat to a colder setting. Ensure adequate clearance around the unit. Level the refrigerator. Check LPG tank and open valve.
LPG flame not igniting	LPG tank empty or valve closed Ignition switch not held long enough Air in gas line	Check LPG tank and open valve. Hold the pulse ignition switch for a few seconds after turning the thermostat. Purge air from the gas line by attempting ignition several times.

Problem	Possible Cause	Solution
Unusual noise	Unit not level Items inside rattling	Ensure the refrigerator is on a stable, level surface. Rearrange contents to prevent rattling.

8. SPECIFICATIONS

Attribute	Detail
Brand	Smad
Model Number	XC-60G
Capacity	2.1 Cubic Feet
Product Dimensions (D x W x H)	18.11 x 18.89 x 26.17 inches (46 x 48 x 66.5 cm)
Item Weight	48.5 pounds (22 kg)
Voltage	110 Volts (AC), 12 Volts (DC)
Defrost System	Frost Free
Number of Shelves	2 (Adjustable)
Color	Black
Installation Type	Freestanding
Annual Energy Consumption	153.3 Kilowatts (estimated)
Temperature Range	32 to 50°F (0 to 10°C)
LPG Gas Pressure	2.8 mbar (required for LPG operation)

9. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or to purchase replacement parts, please contact Smad customer service. Keep your purchase receipt and model number handy for faster service.

Smad Customer Service: Refer to the contact information provided with your product packaging or visit the official Smad website.