

SMETA SXCD-388

SMETA 13.5 cu.ft. 2-Way Propane/Electric Refrigerator with Freezer (Model SXCD-388)

User Instruction Manual

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1. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this appliance. Failure to follow these instructions may result in fire, explosion, electric shock, or property damage.

1.1 General Safety Precautions

- Keep this manual for future reference.
- Ensure the refrigerator is installed on a level, stable surface.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

1.2 Propane (LPG) Gas Safety

- **Ventilation:** Always ensure adequate ventilation when operating the refrigerator on propane gas. Never operate in an unventilated area.
- **Leak Checks:** Regularly check for gas leaks using a soapy water solution. Never use an open flame to check for leaks.
- **Gas Supply:** Ensure the propane cylinder is securely connected and placed in a well-ventilated area, away from heat sources. Turn off the gas supply when the appliance is not in use or during transport.
- **Professional Installation:** Gas connections should ideally be performed by a qualified technician.

1.3 Electrical Safety (110V)

- **Grounding:** The appliance must be properly grounded to prevent electric shock.

- **Power Cord:** Do not damage the power cord. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- **Voltage:** Ensure the power supply voltage matches the rating label on the appliance (110V).

2. PRODUCT OVERVIEW

The SMETA Model SXCD-388 is a 13.5 cubic feet absorption refrigerator with a top freezer, designed for versatile use with both 110V AC electricity and LPG (propane) gas. Its absorption cooling system operates silently without a compressor or Freon, making it ideal for off-grid living, RVs, cabins, garages, and outdoor settings.



Image: The SMETA refrigerator interior, highlighting the 10.1 cu.ft fresh food capacity and 3.3 cu.ft freezer capacity, totaling 13.4 cu.ft.

2.1 Key Features

- **Dual Power Source:** Operates on 110V AC or LPG/Propane gas.
- **Large Capacity:** Total 13.5 cubic feet (10.1 cu.ft refrigerator, 3.3 cu.ft freezer).

- **Silent Operation:** Absorption cooling system ensures no noise or vibrations.
- **No Freon:** Environmentally friendly cooling method.
- **Adjustable Shelving:** Four adjustable/removable shelves in the refrigerator, one in the freezer.
- **Reversible Door:** Allows for flexible placement and door swing direction.
- **Automatic Defrost:** Simplifies maintenance.
- **Adjustable Feet:** For easy leveling on uneven surfaces.

New Advanced System



No Noise



Energy Saving



Durable



No Frost



No Freon

Image: Visual representation of the refrigerator's advanced system benefits, including quiet operation, energy efficiency, durability, no frost, and Freon-free cooling.



Image: Detailed views of the adjustable foot for leveling, removable shelves for flexible storage, a convenient basket drawer, and the durable door seal for efficient cooling.

3. SETUP

3.1 Unpacking and Inspection

- Carefully remove all packaging materials.
- Inspect the refrigerator for any shipping damage. Report any damage immediately to your retailer.
- Remove all internal packing, including shelves and accessories, before cleaning the interior.

3.2 Placement and Ventilation

Proper placement and ventilation are crucial for the efficient and safe operation of your absorption refrigerator.

- Place the refrigerator on a firm, level surface capable of supporting its weight when fully loaded.

- Ensure adequate clearance around the unit: **4 inches (10 cm) at the top** and **1 inch (2.5 cm) at the back and sides** for proper air circulation. Restricting airflow can reduce cooling efficiency and pose a safety risk, especially when operating on gas.
- Avoid direct sunlight or proximity to heat sources (e.g., ovens, radiators).

2 Way Off-grid Refrigerator



110V



Propane/Gas

Image: The refrigerator showing its dimensions (69.3"H x 27.1"W x 30.6"D) and indicating its dual power capability (110V and Propane/Gas).



Image: Diagram demonstrating how to connect a gas refrigerator and smoke pipe, emphasizing the need for top and bottom vents for effective heat dissipation and exhaust.

3.3 Leveling the Refrigerator

The refrigerator must be level for optimal performance of the absorption cooling system. Use the adjustable feet at the bottom of the unit to achieve a level position.

- Turn the adjustable feet clockwise to raise the unit or counter-clockwise to lower it.
- Use a spirit level to ensure the refrigerator is perfectly level from front to back and side to side.

3.4 Connecting Power

3.4.1 110V AC Electrical Connection

- Plug the power cord into a grounded 110V AC electrical outlet.
- Ensure the outlet is dedicated and properly rated for the appliance.

3.4.2 LPG (Propane) Gas Connection

- Connect the propane gas line to the appliance's gas inlet. Ensure all connections are tight and secure.
- Perform a leak test on all gas connections using a soapy water solution. Bubbles indicate a leak. Tighten connections or replace parts as necessary.
- Never use an open flame to check for gas leaks.
- It is recommended to have a qualified technician perform the gas installation and initial leak check.

3.5 Reversing the Door (Optional)

The refrigerator doors are reversible, allowing you to change the swing direction to suit your space. Refer to the detailed instructions in the full manual for the specific steps to reverse the doors. This process typically involves:

- Removing hinge covers and screws.
- Detaching the doors.
- Swapping hinge positions and reattaching doors.

Reversible Door



Image: The refrigerator illustrating its reversible door capability, allowing the doors to be configured to open from either the left or right side.

4. OPERATING INSTRUCTIONS

The control panel for the SMETA refrigerator is located at the bottom front of the unit, providing easy access to power selection, ignition, and temperature settings.

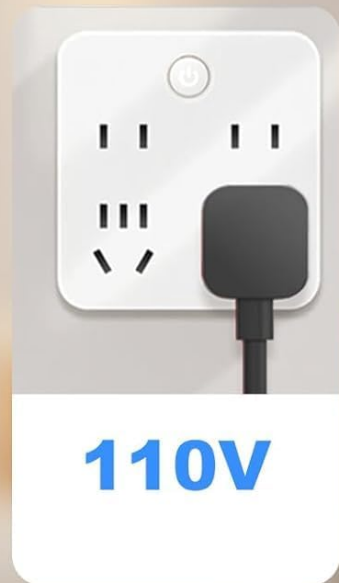
LPG/Gas/110V Mode



LPG



Gas



110V

Image: The refrigerator's control panel, indicating options for LPG, Gas, and 110V operation modes.



Image: Detailed view of the control panel, showing the battery compartment, igniter button, flame indicator, safety valve, temperature controller, power indicator, and mode change knob.

4.1 Control Panel Components

- **Battery Compartment:** Holds batteries for the igniter and interior light.
- **Igniter Button:** Used to ignite the gas flame.
- **Flame Indicator:** Shows if the gas flame is lit (typically a green zone).
- **Safety Valve:** A button that must be held down during ignition to allow gas flow.
- **Temperature Controller:** Knob to adjust the cooling temperature.
- **Power Indicator:** Light indicating power status.
- **Mode Change Knob:** Selects between gas (LPG) and 110V AC operation.

4.2 Gas (LPG) Operation

1. **Set Mode:** Turn the Mode Change Knob to the 'Gas' setting.
2. **Ignite:** Depress the Safety Valve button and hold it down. While holding, repeatedly press the Igniter button until the flame ignites.
3. **Verify Flame:** Observe the Flame Indicator. Once it shows the flame is lit (e.g., green zone), continue holding the Safety Valve button for 3-5 seconds to ensure the safety valve is released and the flame remains lit.
4. **Adjust Temperature:** Release the Safety Valve button. Turn the Temperature Controller to your desired cooling setting.
5. **Stabilization:** Allow 6 to 8 hours for the refrigerator to reach the set temperature.

4.3 110V AC Operation

1. **Set Mode:** Turn the Mode Change Knob to the '110V' or 'AC' setting.
2. **Plug In:** Ensure the refrigerator is plugged into a grounded 110V AC outlet.
3. **Adjust Temperature:** Turn the Temperature Controller to your desired cooling setting.
4. **Stabilization:** Allow 6 to 8 hours for the refrigerator to reach the set temperature.

4.4 Temperature Adjustment

The Temperature Controller allows you to set the desired cooling level. Higher numbers typically indicate colder settings. Adjust as needed based on ambient temperature and food load.

5. MAINTENANCE

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

5.1 Cleaning

- **Interior:** Clean the interior regularly with a mild detergent and warm water. Rinse thoroughly and dry. Do not use abrasive cleaners or harsh chemicals.
- **Exterior:** Wipe the exterior surfaces with a soft cloth and mild cleaner.
- **Door Seals:** Clean door gaskets regularly to ensure a tight seal. A dirty or damaged seal can lead to inefficient cooling.
- **Dusting:** Periodically dust the rear coils and ventilation areas to maintain optimal airflow and cooling efficiency.

5.2 Defrosting

This refrigerator features an automatic defrost system, minimizing the need for manual defrosting. However, if excessive frost builds up in the freezer compartment, it may be necessary to manually defrost.

- Turn off the refrigerator and remove all food items.
- Leave the freezer door open to allow frost to melt naturally. Place towels to absorb water.
- Do not use sharp objects or heating devices to speed up defrosting, as this can damage the appliance.
- Once defrosted, clean and dry the interior before restarting.



Image: The freezer compartment, illustrating its capacity for frozen goods.



Image: The door bins, providing convenient storage for beverages and other items.

6. TROUBLESHOOTING

Before contacting customer service, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
Refrigerator not cooling	No power (110V) or no gas supply (LPG) Temperature setting too high Insufficient ventilation Door not closed properly	Check power connection/gas supply. Ensure mode is correctly selected. Adjust temperature controller to a colder setting. Ensure adequate clearance (4" top, 1" back/sides). Check door seal and ensure door is fully closed.
Gas igniter not working	No gas supply Igniter battery low or dead Safety valve not held long enough	Check propane tank and connections. Replace igniter battery. Hold the safety valve button for 3-5 seconds after ignition.

Problem	Possible Cause	Solution
Excessive frost in freezer	Door left open too long Door seal damaged or dirty High humidity	Ensure door is closed promptly. Clean or replace door seal. This is normal in high humidity; manual defrost may be needed.
Water accumulation inside	Drain hole blocked Door not sealing properly	Clear any blockage in the drain hole. Check and clean door seal.
Unit is not level	Uneven installation surface	Adjust the leveling feet at the bottom of the unit.

7. SPECIFICATIONS

Feature	Detail
Brand	SMETA
Model Number	SXCD-388
Product Dimensions (D x W x H)	30.6"D x 27.1"W x 69.3"H
Capacity (Total)	13.5 cubic feet
Fresh Food Capacity	10.1 cubic feet
Freezer Capacity	3.3 cubic feet
Configuration	Full-Sized Freezer-on-Top
Power Source	LPG/Corded Electric (110V)
Voltage	110 volts
Cooling Method	Absorption
Defrost System	Automatic
Number of Doors	2
Number of Shelves	5 (4 refrigerator, 1 freezer)
Shelf Type	Plastic/Wire
Door Orientation	Reversible
Item Weight	79 pounds
Annual Energy Consumption	1098 kilowatt hours per year
Manufacturer Part Number	TDSG-390D2U-B

8. WARRANTY & SUPPORT

8.1 Manufacturer's Warranty

This SMETA refrigerator comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from improper installation, misuse, abuse, neglect, accident, unauthorized repair or modification, or damage caused by natural disasters.

8.2 Customer Support

For technical assistance, warranty claims, or questions regarding your SMETA refrigerator, please contact SMETA Electric Appliances Co.,Ltd. through your retailer or the official SMETA support channels.

When contacting support, please have your model number (SXCD-388) and proof of purchase readily available.

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