

SMETA DDG-190D2U

SMETA RV Propane Refrigerator with Freezer (6.1 Cu.ft) - Instruction Manual

Model: DDG-190D2U

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your SMETA RV Propane Refrigerator with Freezer, Model DDG-190D2U. This 6.1 cubic feet absorption refrigerator is designed for versatile use, offering both 110V electric and LPG propane power options, making it suitable for RVs, camping, off-grid living, and various home or office environments. Please read these instructions thoroughly before installation, operation, or maintenance.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always ensure proper ventilation when operating on propane to prevent carbon monoxide buildup.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Keep ventilation openings in the appliance enclosure or in the built-in structure clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- 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.
- Ensure the gas inlet pressure is 2.8Kpa (28mbar) when operating on propane.

3. PRODUCT OVERVIEW

The SMETA RV Propane Refrigerator with Freezer is a dual-compartment absorption cooling unit designed for flexibility and efficiency. It features a 4.5 cu ft refrigerator section and a 1.6 cu ft freezer section, providing a total capacity of 6.1 cu ft.

Key Features:

- **Dual Power Options:** Operates on 110V AC electricity or LPG propane gas.
- **Absorption Cooling System:** Provides quiet and efficient operation without a compressor.
- **Temperature Zones:** Refrigerator compartment maintains 32-50°F (0-10°C), freezer compartment maintains 3.2°F (-16°C).
- **Storage Capacity:** Includes a large crisper drawer and removable shelves for flexible storage.
- **Reversible Door:** Door can be adjusted to open from either the left or right side.

Product Views and Components:



Figure 1: Front view of the SMETA 6.1 Cu.ft RV Propane Refrigerator with Freezer.



Figure 2: Illustration of the refrigerator's dual power operation (LPG and 110V AC) and suitable food storage.



Figure 3: Internal layout and key dimensions of the refrigerator, highlighting freezer and fridge capacities.



Figure 4: Close-up of the control panel, interior light, crisper drawer, and removable shelves.



Figure 5: Examples of typical installation environments for the refrigerator.



Figure 6: Demonstration of the reversible door functionality.



Figure 7: Rear view illustrating the components for LPG and 110V power connections.

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Video 1: Overview of the SMETA Propane Refrigerator's LPG/110V/12V capabilities. This video demonstrates the versatility of the unit for various power sources.

4. SETUP & INSTALLATION

The SMETA RV Propane Refrigerator is designed for freestanding installation. Proper ventilation is crucial for efficient operation, especially when using propane. Ensure adequate clearance around the unit as specified in the detailed installation guide (not provided in this manual but typically included with the product).

Ventilation Requirements for Propane Operation:

When operating on propane, the refrigerator requires proper external ventilation to safely exhaust combustion byproducts. This typically involves a top vent and a bottom vent to create a natural draft. Consult a qualified technician for proper installation of the ventilation system, especially in enclosed spaces like RVs or off-grid cabins.

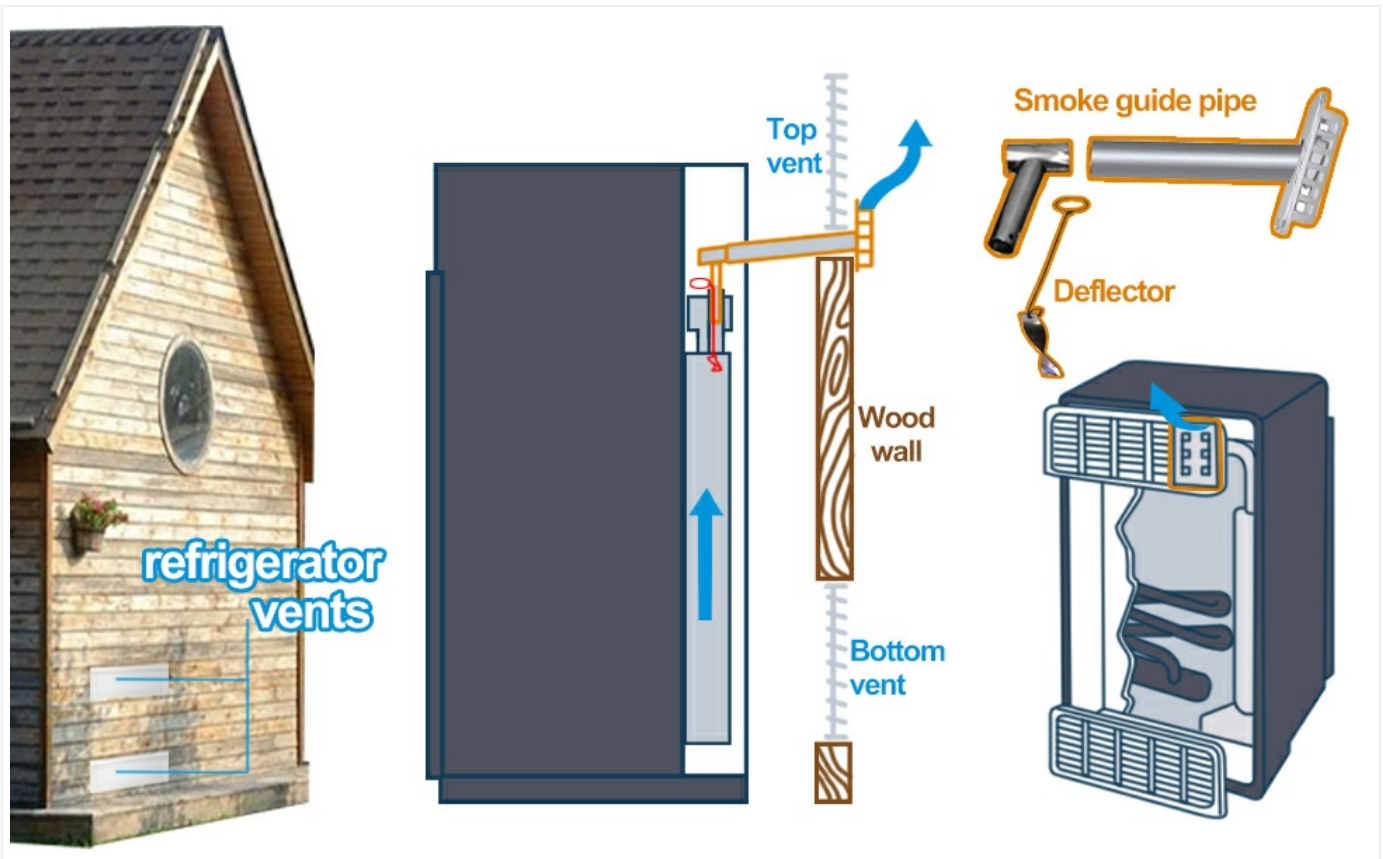


Figure 8: Example of a ventilation setup for propane operation, showing air circulation and smoke exhaust.

Connecting to Power:

- **110V AC:** Plug the refrigerator into a standard 110V AC outlet.
- **LPG Propane:** Connect the unit to a propane gas supply. Ensure the gas inlet pressure is maintained at 2.8Kpa (28mbar). Use appropriate gas lines and fittings, and check for leaks before operation.

5. OPERATING INSTRUCTIONS

Your SMETA refrigerator offers flexible operation with both electric and propane power sources. The control panel allows you to select the power mode and adjust temperature settings.

Control Panel Functions:



Figure 9: Control panel layout.

- **Power Switch (A):** Selects between 110V AC electric and LPG propane operation, or turns the unit off.
- **Pulse Ignition Switch (B):** Used to ignite the propane flame when operating on gas.

- **Flame Indicator (C):** Shows if the propane flame is lit.
- **Safety Valve (D):** A safety mechanism for gas operation.
- **Thermostat Knob (E):** Adjusts the cooling temperature for both electric and gas modes. Turn clockwise for colder settings.

Starting the Refrigerator:

1. Ensure the refrigerator is properly installed and ventilated.
2. **For 110V AC Operation:** Plug the unit into a 110V outlet and set the Power Switch (A) to the "AC" position. Adjust the Thermostat Knob (E) to your desired setting.
3. **For LPG Propane Operation:** Ensure the propane tank is connected and the gas supply is open. Set the Power Switch (A) to the "LPG" position. Press and hold the Pulse Ignition Switch (B) while observing the Flame Indicator (C) to confirm ignition. Once the flame is lit, release the ignition switch. Adjust the Thermostat Knob (E) to your desired setting.
4. Allow several hours for the refrigerator to reach the set temperature.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your refrigerator.

Cleaning:

- Unplug the appliance 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.

Defrosting:

This refrigerator features manual defrost. Defrost the freezer compartment when ice buildup reaches approximately 1/4 inch (6mm) thickness.

1. Turn off the refrigerator and remove all food items.
2. Leave the freezer door open to allow ice to melt naturally. Place towels at the bottom to absorb water.
3. Do not use sharp objects to remove ice, as this can damage the cooling system.
4. Once defrosted, clean and dry the interior before restarting the unit.

7. TROUBLESHOOTING

If you experience issues with your refrigerator, refer to the following common troubleshooting steps before contacting support.

Problem	Possible Cause	Solution
Refrigerator not cooling (Electric)	No power, thermostat set too high, door not closed properly, poor ventilation.	Check power connection, adjust thermostat, ensure door seal is tight, verify adequate ventilation.
Refrigerator not cooling (Propane)	No gas supply, flame not lit, gas pressure incorrect, poor ventilation.	Check propane tank and valve, re-ignite flame, verify gas pressure (2.8Kpa), ensure proper ventilation.

Problem	Possible Cause	Solution
Excessive ice buildup	Door left open, door seal faulty, high humidity, thermostat set too low.	Ensure door is closed, check and clean door seal, adjust thermostat to a warmer setting, manually defrost.
Unusual noises	Unit not level, objects vibrating against the unit, normal absorption system sounds.	Ensure unit is level, remove any vibrating objects, note that absorption systems operate quietly but may have occasional gurgling sounds.

8. SPECIFICATIONS

Brand	SMETA
Model Number	DDG-190D2U
Capacity	6.1 Cubic Feet (4.5 cu ft fridge, 1.6 cu ft freezer)
Product Dimensions (D x W x H)	60D x 65W x 146H Centimetres (23.7D x 25.6W x 57.5H inches)
Item Weight	68.4 Kilograms
Power Source	110 Volts AC, LPG Propane Gas
Cooling Method	Absorption
Defrost System	Manual
Number of Doors	2
Configuration	Freezer-on-Top
Special Features	Adjustable Shelves, Large Capacity, Quiet Operation
Country of Origin	China
Gas Inlet Pressure (LPG)	2.8Kpa (28mbar)

9. WARRANTY & SUPPORT

Warranty: This product comes with a 1-year warranty.

Manufacturer Contact Information: For support or warranty claims, please contact Simate. Refer to your purchase documentation for specific contact details or visit the official SMETA website.

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