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› Techomey 1.4 Cu.ft Propane Refrigerator User Manual

Techomey HSG-40B2U-P-FBM

Techomey 1.4 Cu.ft Propane Refrigerator User Manual

Model: HSG-40B2U-P-FBM

1. INTRODUCTION

Thank you for choosing the Techomey 1.4 Cu.ft Propane Refrigerator. This compact and versatile appliance is designed for various applications, offering three power options: 12V DC, 110V AC, and LPG gas. Its efficient cooling system maintains temperatures between 32-50°F (0-10°C), making it ideal for RVs, camping, outdoor activities, and small spaces. Please read this manual thoroughly before operation to ensure safe and optimal performance.



Image: The Techomey 1.4 Cu.ft Propane Refrigerator, a compact black unit with its top lid open, revealing fresh fruits and beverages inside. A blue propane tank stands beside it, illustrating its gas power capability.

2. SAFETY INFORMATION

- Always ensure proper ventilation when operating the refrigerator on LPG gas to prevent carbon monoxide buildup.
- Do not store flammable materials or explosives inside the refrigerator.
- Keep the appliance away from direct heat sources and open flames.
- Ensure the refrigerator is placed on a stable, level surface to prevent tipping.
- Disconnect power before cleaning or performing any maintenance.

- Do not block the ventilation openings on the appliance.
- Children should be supervised to ensure they do not play with the appliance.

3. PRODUCT FEATURES

- **3-Way Power Supply:** Operates on 12V DC, 110V AC, or LPG gas for versatile use.
- **Efficient Cooling:** Achieves temperatures from 32-50°F (0-10°C) quickly.
- **Compact & Portable:** 40L (1.4 Cu.ft) capacity, lightweight, and easy to move.
- **Silent Operation:** Advanced absorption cooling system ensures quiet running (less than 21dB).
- **Automatic Defrost:** Simplifies maintenance.
- **Recessed Handle:** Integrated handle for easy transport.
- **Top Open Door:** Convenient access to contents.

3 Way Power



Image: A visual representation of the refrigerator's three power options: AC 110V, DC 12V, and Propane LPG Gas, accompanied by an image of the refrigerator's rear panel displaying its power input ports and ventilation.

4. WHAT'S IN THE BOX

Upon unpacking, please verify that all components listed below are present and undamaged:

- Techomey 1.4 Cu.ft Propane Refrigerator Unit

- Instruction Manual
- Gas Hose and Regulator
- 12V DC Power Cable (Car Charger Adapter)
- 110V AC Power Cable

What's in the box

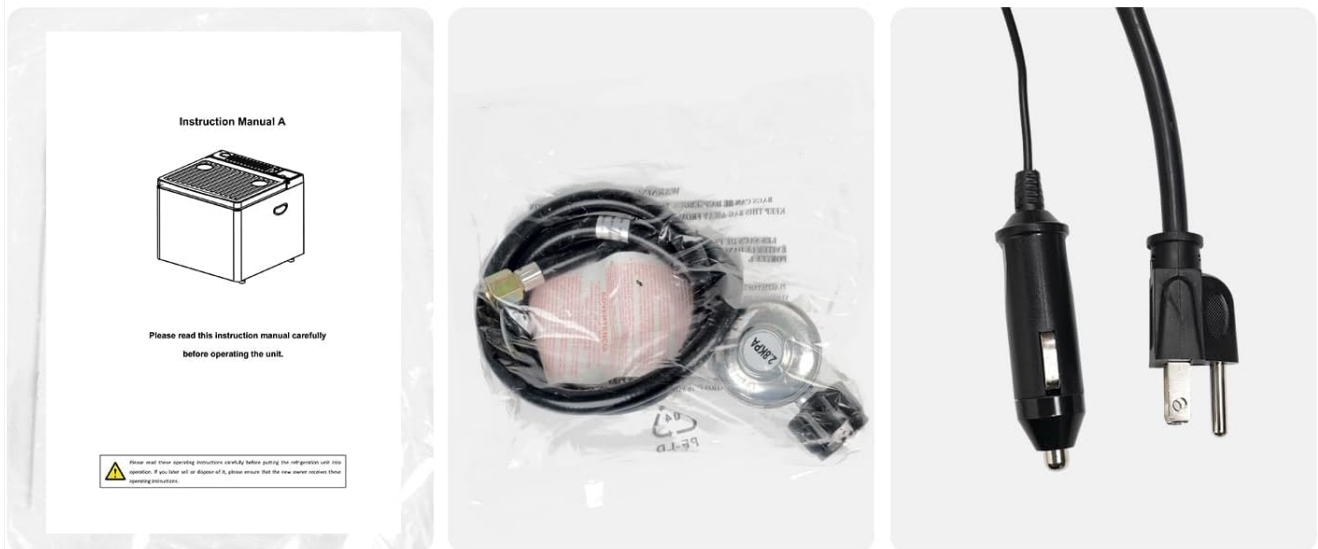


Image: A clear display of the product's packaging contents, including the main refrigerator unit, the user manual, a gas hose with regulator, a 12V DC car charger adapter, and a 110V AC power plug.

5. SETUP

5.1 Placement and Ventilation

Place the refrigerator on a firm, level surface. Ensure there is adequate space around the unit for proper air circulation, especially around the rear ventilation grille. Avoid placing it in direct sunlight or near heat-emitting appliances.

5.2 Initial Cleaning

Before first use, wipe the interior and exterior of the refrigerator with a damp cloth and mild detergent. Rinse with clean

water and dry thoroughly.

5.3 Connecting Power

Depending on your desired power source, connect the appropriate cable (12V DC, 110V AC) or gas hose. Ensure all connections are secure before operation.

6. OPERATION

6.1 General Controls

The control panel typically includes a thermostat knob, a gas indicator, a piezo ignitor, and a safety valve button. Familiarize yourself with these controls before operating.



Image: A detailed diagram highlighting the controls for gas operation, including the flame indicator, piezo ignitor, safety valve button, and thermostat knob, with a close-up view of the control panel.

6.2 DC 12V Operation

1. Do not turn the thermostat knob (D) to AC mode.

2. Connect the 12V power supply cable to your vehicle's 12V outlet.

Operation Steps on DC



Image: A visual guide detailing the two steps for operating the refrigerator using a 12V DC power source, showing the thermostat knob setting and the 12V power connection.

6.3 AC 110V Operation

1. Turn the thermostat knob (D) to AC mode.
2. Connect the 110V power supply cable to a standard wall outlet.
3. Adjust the thermostat knob (D) to MAX and keep it there for five hours for initial cooling. After five hours, you can adjust the thermostat knob (D) to your desired temperature.

Operation Steps on AC

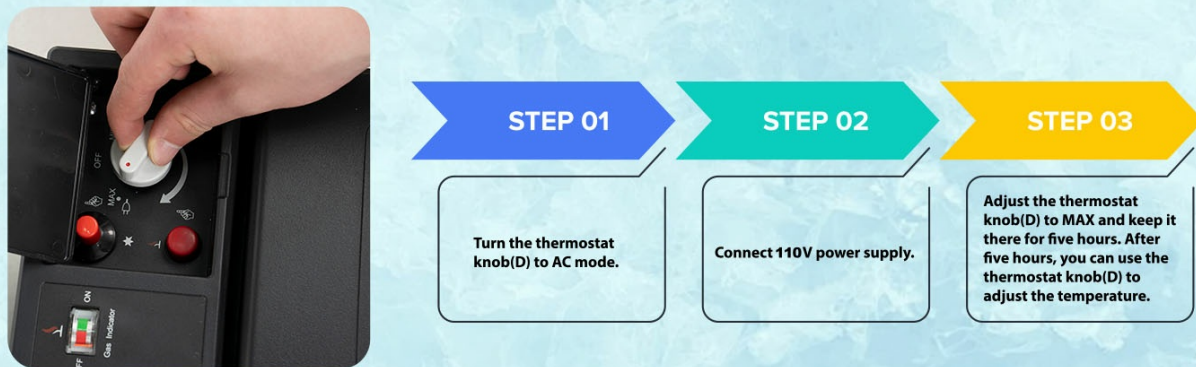


Image: A step-by-step visual instruction set for operating the refrigerator with 110V AC power, including setting the thermostat and connecting to a power outlet.

6.4 LPG Gas Operation

1. Do not turn the thermostat knob (D) to AC mode.
2. Depress the safety valve button (C) and hold it down while depressing the piezo ignitor (A).
3. Check the flame indicator (B) to see whether the flame is alight. The pointer should move from the red to the green section after the flame is lit.
4. Keep the safety valve button (C) depressed for a further 10-15 seconds.
5. Release the safety valve button (C) and again check that the flame is alight.
6. Adjust the thermostat knob (D) to the desired temperature setting and allow for 6 to 8 hours of operation to achieve

the desired temperature.



Image: A comprehensive visual guide outlining the six steps required to operate the refrigerator using LPG gas, including ignition and temperature adjustment.

6.5 Temperature Control

The thermostat knob allows you to adjust the internal temperature. Turn the knob towards 'MAX' for colder temperatures and 'MIN' for warmer temperatures. Allow several hours for the temperature to stabilize after adjustment.



Image: The refrigerator is shown with a visual representation of its cooling capability, maintaining temperatures between 32-50°F (0-10°C), suitable for keeping various fruits and vegetables fresh.

7. MAINTENANCE

7.1 Cleaning

Regularly clean the interior with a mild detergent and warm water. For the exterior, use a soft cloth. Avoid abrasive cleaners or solvents. Ensure the unit is unplugged or gas supply is off before cleaning.

7.2 Defrosting

This refrigerator features automatic defrost. However, if excessive ice buildup occurs, manually defrost by turning off the unit and leaving the lid open until ice melts. Wipe away any water.

7.3 Storage

When storing the refrigerator for extended periods, ensure it is clean and dry. Leave the lid slightly ajar to prevent odors and mold growth.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply; Thermostat set too high; Poor ventilation; Gas supply off or empty.	Check power connection/gas supply; Adjust thermostat to a lower setting; Ensure adequate ventilation around the unit.
Gas flame not igniting	Gas supply off; Air in gas line; Ignitor not sparking.	Check gas cylinder and valve; Purge air from gas line by attempting ignition several times; Ensure ignitor is clean and functioning.
Excessive noise	Unit not level; Obstruction in fan (if applicable).	Ensure the refrigerator is on a level surface; Check for any obstructions. (Note: This model is designed for silent operation, typically below 21dB).
Water inside refrigerator	Lid not closed properly; High humidity; Automatic defrost cycle.	Ensure lid is sealed; This is normal during defrost cycles, wipe away excess water.

9. SPECIFICATIONS

Feature	Specification
Brand	Techomey
Model Number	HSG-40B2U-P-FBM
Capacity	40 Liters (1.4 Cubic Feet)
Power Sources	12V DC, 110V AC, LPG Gas
Temperature Range	32-50°F (0-10°C)
Product Dimensions (W x D x H)	19.7 x 19.4 x 17.4 inches
Item Weight	43 Pounds
Defrost System	Automatic
Noise Level	Less than 21dB
Color	Black



Image: A visual representation of the refrigerator's dimensions (17.4in H, 19.4in D, 19.7in W) and detailed close-ups of its recessed handle design.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided in the packaging or visit the official Techomey website. Keep your purchase receipt as proof of purchase for any warranty claims.

For additional resources and product information, you may visit the [Techomey Store on Amazon](#).