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› Fire-Maple Fixed Star 1 Backpacking and Camping Stove System Instruction Manual

Fire-Maple FMS-X1

Fire-Maple Fixed Star 1 Backpacking and Camping Stove System Instruction Manual

Model: FMS-X1

Brand: Fire-Maple

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Fire-Maple Fixed Star 1 Backpacking and Camping Stove System. Please read all instructions carefully before operating the appliance.



Figure 1: Fire-Maple Fixed Star 1 Stove System, fully assembled.

2. SAFETY INFORMATION

Failure to follow these safety instructions may result in serious injury or death. Keep this manual for future reference.

- **Use Outdoors Only:** This appliance is designed for outdoor use in well-ventilated areas. Do not operate indoors, in tents, or in any enclosed space.
- **Read Instructions:** Always read and understand all instructions before operating the stove.
- **Hot Surfaces:** Accessible parts of the stove become very hot during use. Use caution and appropriate protective gear (e.g., gloves) when handling.
- **Keep Away from Children:** Ensure children and pets are kept at a safe distance from the operating stove.
- **Fuel Canister Compatibility:** Use only compatible liquefied petroleum gas canisters (Propane, Butane, Isobutane mixtures). **Do NOT use Coleman fuel canisters.**
- **Gas Leaks:** If you smell gas, immediately turn off the gas supply, ventilate the area, and check for leaks. Do not attempt to light the stove if a leak is suspected.
- **Wind Protection:** Use a windscreen in windy conditions to improve performance and safety. Ensure the windscreen does not block airflow to the burner or overheat the fuel canister.
- **Stable Surface:** Always operate the stove on a firm, level, non-combustible surface to prevent tipping.

3. COMPONENTS OVERVIEW

The Fire-Maple Fixed Star 1 system is an integrated cooking solution designed for portability and efficiency. All components are designed to nest within the main pot for compact storage.

- **1-Liter Cooking Pot:** Features a heat exchange system, insulating neoprene cover, and a locking stainless steel handle.
- **Integrated Stove Burner:** Equipped with a piezoelectric igniter for quick lighting and a flame adjustment valve.
- **Bowl:** A small bowl is included and nests inside the pot.
- **Fuel Canister (Not Included):** Compatible with most threaded propane/butane/isobutane canisters (excluding Coleman).
- **Maintenance Kit:** Includes spare O-rings for valve maintenance.

ALL-IN-ONE INTEGRATED STOVE SYSTEM



Figure 2: Exploded view of the Fire-Maple Fixed Star 1 components.

Video 1: Product Overview - Demonstrates the compact nature and quick setup of the stove system.

4. SETUP INSTRUCTIONS

1. **Unpack Components:** Remove all items from the storage mesh bag.
2. **Prepare Burner:** Ensure the stove burner's valve is fully closed.
3. **Attach Fuel Canister:** Carefully screw the stove burner onto a compatible fuel canister. Ensure it is securely tightened to prevent gas leaks.
4. **Position Pot:** Place the 1-liter cooking pot onto the burner, aligning the heat exchange fins with the burner's supports. Twist gently to lock the pot onto the burner.

Video 2: Assembly Demonstration - Shows how to assemble the stove and attach the fuel canister.

5. OPERATING INSTRUCTIONS

1. **Fill Pot:** Add desired liquid (e.g., water) to the cooking pot. Do not overfill.
2. **Open Gas Valve:** Slowly turn the gas valve on the burner counter-clockwise to allow gas to flow. You should hear a faint hissing sound.
3. **Ignite Stove:** Press the piezoelectric igniter button repeatedly until the flame ignites. If the igniter fails, use an external lighter.
4. **Adjust Flame:** Rotate the gas valve to adjust the flame intensity as needed.

5. **Cooking/Boiling:** The stove is highly efficient, boiling 1 liter of water in approximately 3.5 minutes under ideal conditions.
6. **Turn Off:** After use, turn the gas valve clockwise until it is fully closed and the flame extinguishes. Allow the stove to cool completely before handling or disassembling.

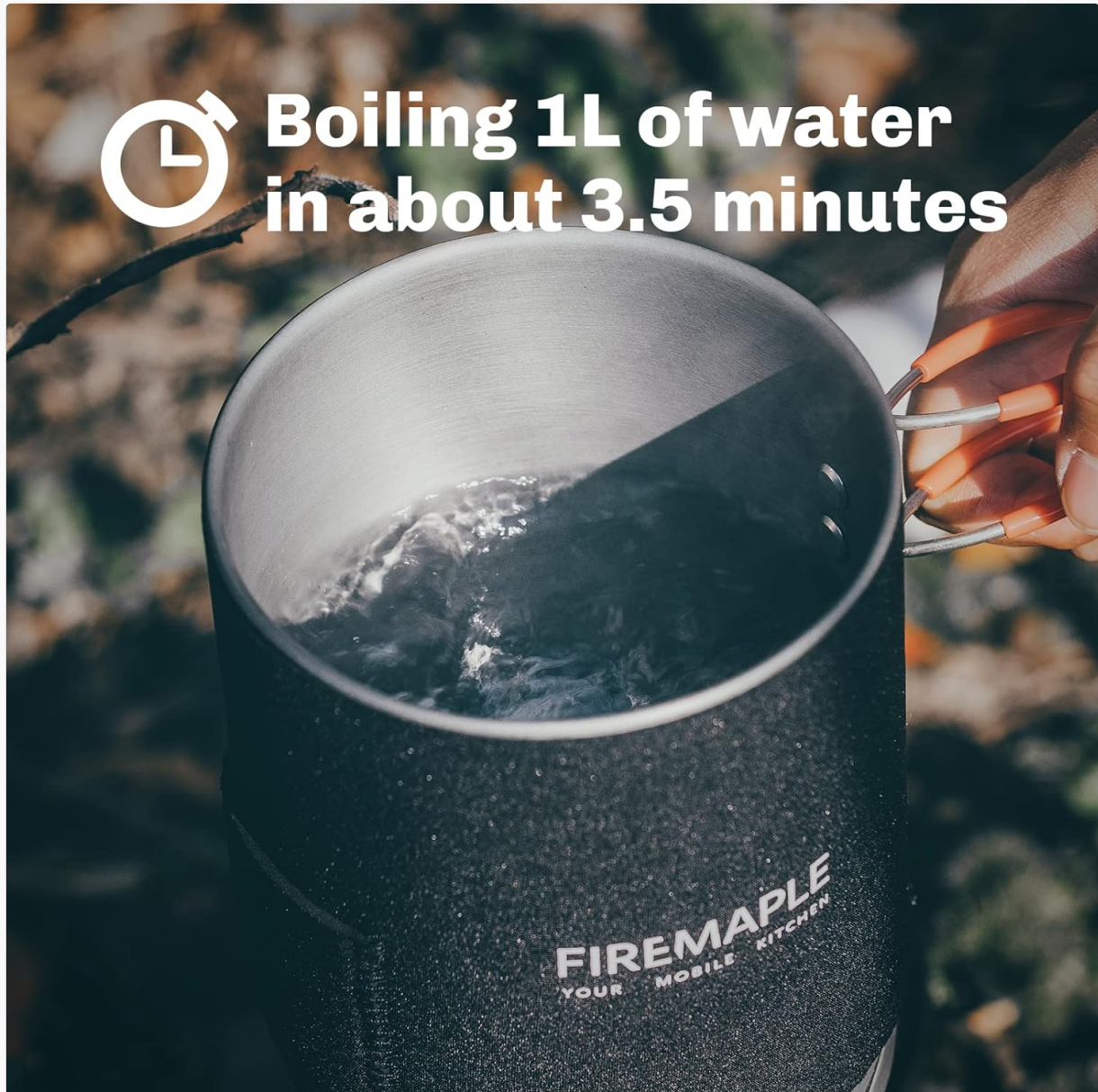


Figure 3: Stove in operation, demonstrating rapid boiling.

Video 3: Stove Ignition and Operation - Shows the process of lighting and using the stove.

6. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your stove system.

- **Cleaning:** After each use, allow the pot and burner to cool completely. Clean the pot with warm, soapy water and a non-abrasive sponge. Wipe the burner unit clean with a damp cloth. Ensure all parts are dry before storage.
- **O-Ring Inspection:** Regularly check the O-ring at the bottom of the valve for any signs of wear, cracks, or damage. A maintenance kit with spare O-rings is provided for replacement if needed. A damaged O-ring can lead to gas leaks.
- **Storage:** Store the stove system in its mesh bag in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the fuel canister is disconnected and stored separately according to its

manufacturer's instructions.



Figure 4: Stove system packed for storage.

7. TROUBLESHOOTING

• Stove Fails to Ignite:

- Ensure the fuel canister is securely attached and the gas valve is slightly open.
- Check if the fuel canister is empty.
- If the piezoelectric igniter is not sparking, use an external lighter.

• Gas Leak Detected:

- Immediately turn off the gas valve and disconnect the fuel canister.
- Check the connection between the burner and the canister for tightness.
- Inspect the O-ring at the base of the valve for damage and replace if necessary.

• Water Pours Inefficiently from Pot Lid:

- Some users have noted that the lid's pour spout may benefit from a small vent hole on the opposite side to ensure smoother pouring. Exercise caution with hot liquids.

8. SPECIFICATIONS

Feature	Specification
Brand	Fire-Maple
Model Number	FMS-X1
Fuel Type	Liquefied Petroleum Gas (Propane, Butane, Isobutane)
Material	Aluminum, Copper, Tritan, PA, TPE, Stainless Steel
Product Dimensions	5.04"L x 5.04"W x 6.81"H (128mm x 173mm)
Item Weight	18.03 Ounces (511g / 1.12lb)
Pot Volume	1 Liter (33.8 fl. oz)
Maximum Energy Output	7500 British Thermal Units (2.2kw, 158g/h)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Fire-Maple customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

Visit the official Fire-Maple Store for more information: [Fire-Maple Store](#)