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› UTRAI Portable Car Jump Starter JS-Mini User Manual

UTRAI JS mini

UTRAI Portable Car Jump Starter JS-Mini User Manual

Model: JS-Mini

PRODUCT OVERVIEW

The UTRAI JS-Mini Portable Car Jump Starter is a compact and powerful device designed to jump-start 12V vehicles with up to 7.5L gas and 5.5L diesel engines. It also functions as a portable power bank and features an LED flashlight with multiple modes.



Figure 1: UTRAI JS-Mini Portable Car Jump Starter with smart clamps.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- UTRAI Portable Lithium Car Battery Jump Starter (JS-Mini) x1
- Smart Jump Cable x1
- USB Type-C Charging Cable x1
- User Manual x1

PACKING LIST

① JS mini Jump Starter

② Smart Clamp

③ USB C Cable

④ User Manual

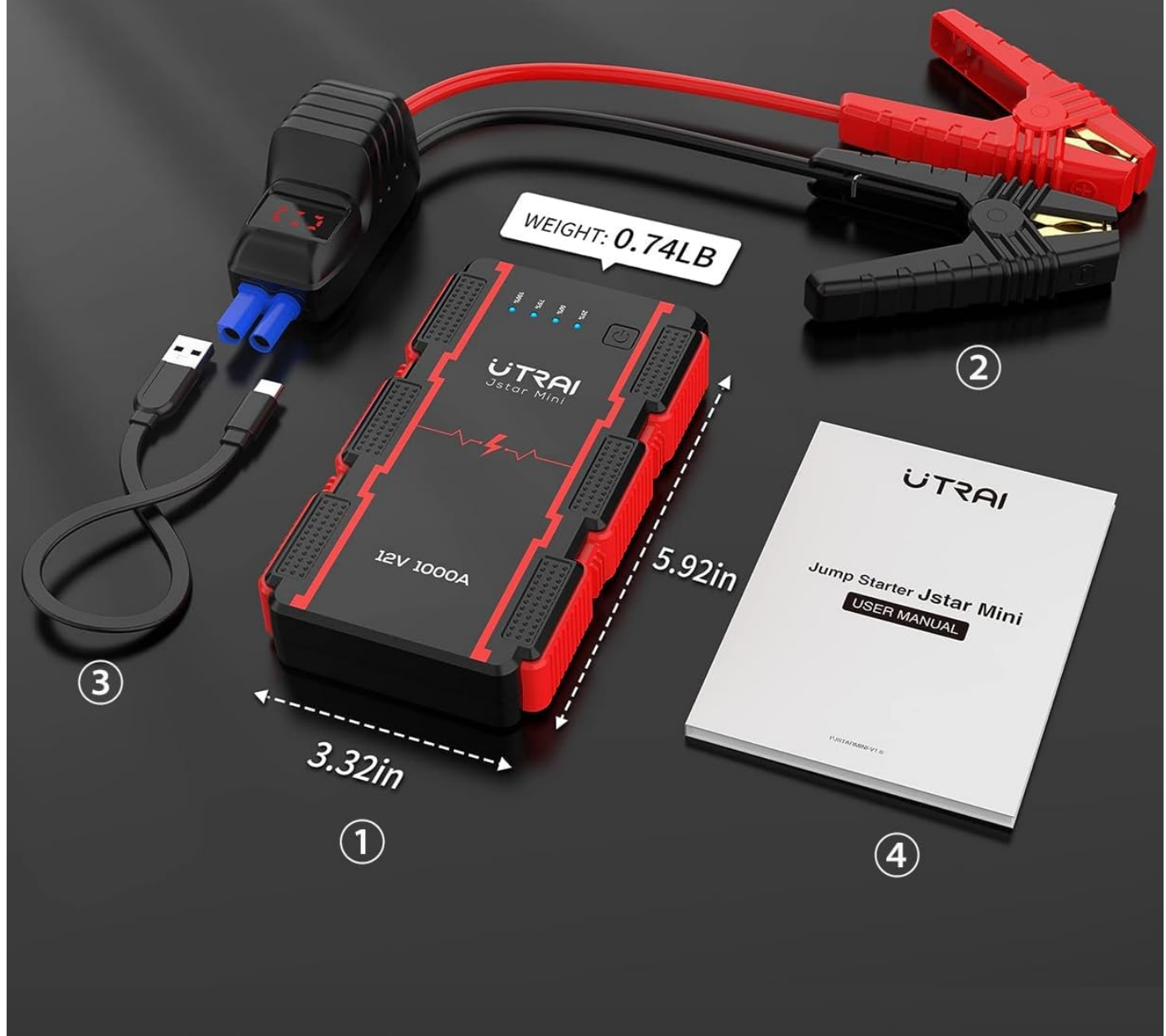


Figure 2: Included components in the UTRAI JS-Mini package.

SETUP AND CHARGING

Before first use, fully charge the UTRAI JS-Mini jump starter. It is recommended to charge the device every 2-3 months if not used for an extended period to maintain battery health.

1. Connect the provided USB Type-C Charging Cable to the 'Input' port on the jump starter.
2. Connect the other end of the USB Type-C cable to a suitable USB power adapter (not included).
3. Allow the device to charge until the battery indicator lights show 100% charge. The indicator lights display charge levels at 25%, 50%, 75%, and 100%.



Figure 3: The jump starter can also function as a portable power bank for charging devices.

OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

The UTRAI JS-Mini is designed for safe and easy jump-starting of 12V vehicles. Ensure the jump starter is fully charged before use.

1. **Insert the Smart Jump Cable:** Plug the blue end of the smart jump cable into the jump starter's designated port.
2. **Connect to Battery Terminals:** Attach the red clamp to the positive (+) terminal of the vehicle's battery and the black clamp to the negative (-) terminal. Ensure a secure connection. The smart clamp features an LED display for status indication.
3. **Start the Vehicle:** Return to your vehicle and start the engine.
4. **Remove Clamps:** Once the vehicle starts, immediately remove the smart clamps from the car battery terminals, then disconnect the smart jump cable from the jump starter.

Easy to Start the Car



① Insert the jump cable to jump starter



② Connect with the battery terminal, red "+" black "-"



③ Start the car



④ Remove the clamps

Figure 4: Step-by-step guide for jump-starting a vehicle.

Using the LED Flashlight

The jump starter includes a multi-mode LED flashlight for emergency and outdoor use.

- **Flash Light Mode:** Press the power button once to turn on the flashlight.
- **Strobe Light Mode:** Press the power button a second time to activate the strobe light.
- **SOS Light Mode:** Press the power button a third time for the SOS signal.
- **Turn Off:** Press the power button a fourth time to turn off the flashlight.

3-MODE LED FLASHLIGHT



Flashlight



Strobe



SOS



Figure 5: The integrated 3-mode LED flashlight.

SAFETY FEATURES AND PROTECTIONS

The UTRAI JS-Mini is equipped with multiple safety protections to ensure safe operation:

- **Spark-Proof:** Prevents sparks during connection.
- **Reverse Polarity Protection:** Protects against incorrect battery connections.
- **Low-Temperature Protection:** Ensures safe operation in cold conditions.
- **High-Temperature Protection:** Prevents overheating.
- **Over-Load Protection:** Safeguards against excessive current draw.
- **Short Circuit Protection:** Prevents damage from short circuits.
- **Overdischarge Protection:** Protects the internal battery from deep discharge.
- **Reverse Charge Protection:** Prevents reverse current flow.
- **Overcurrent Protection:** Limits current to safe levels.

The device is constructed with ABS fire-proof material, a shock-proof structure, and a dust-proof design for enhanced durability and safety.

SAFETY TESTING



Figure 6: Built-in safety features and robust construction.

MAINTENANCE

- Store the jump starter in a cool, dry place away from direct sunlight and extreme temperatures.
- Charge the device every 2-3 months to maintain optimal battery performance, especially if not used regularly.

- Keep the smart clamps clean and free of debris to ensure proper electrical contact.
- Do not attempt to disassemble or modify the jump starter. Refer to qualified personnel for repairs.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is depleted.	Charge the jump starter fully using the provided USB Type-C cable.
Vehicle does not start after connecting.	Incorrect clamp connection; vehicle battery completely dead; jump starter not fully charged; vehicle issue unrelated to battery.	Ensure clamps are securely connected to the correct battery terminals (+ to +, - to -). Check jump starter charge level. If battery is completely dead, allow a few minutes for the jump starter to provide some charge before attempting to start. Consult a mechanic if the issue persists.
Smart clamp LED display shows an error.	Reverse polarity, short circuit, or other protection activated.	Disconnect clamps and re-connect carefully, ensuring correct polarity. Refer to the smart clamp's specific error codes if available.
LED flashlight modes not cycling.	Power button not pressed correctly or device malfunction.	Ensure firm presses on the power button. If issue persists, contact customer support.

SPECIFICATIONS

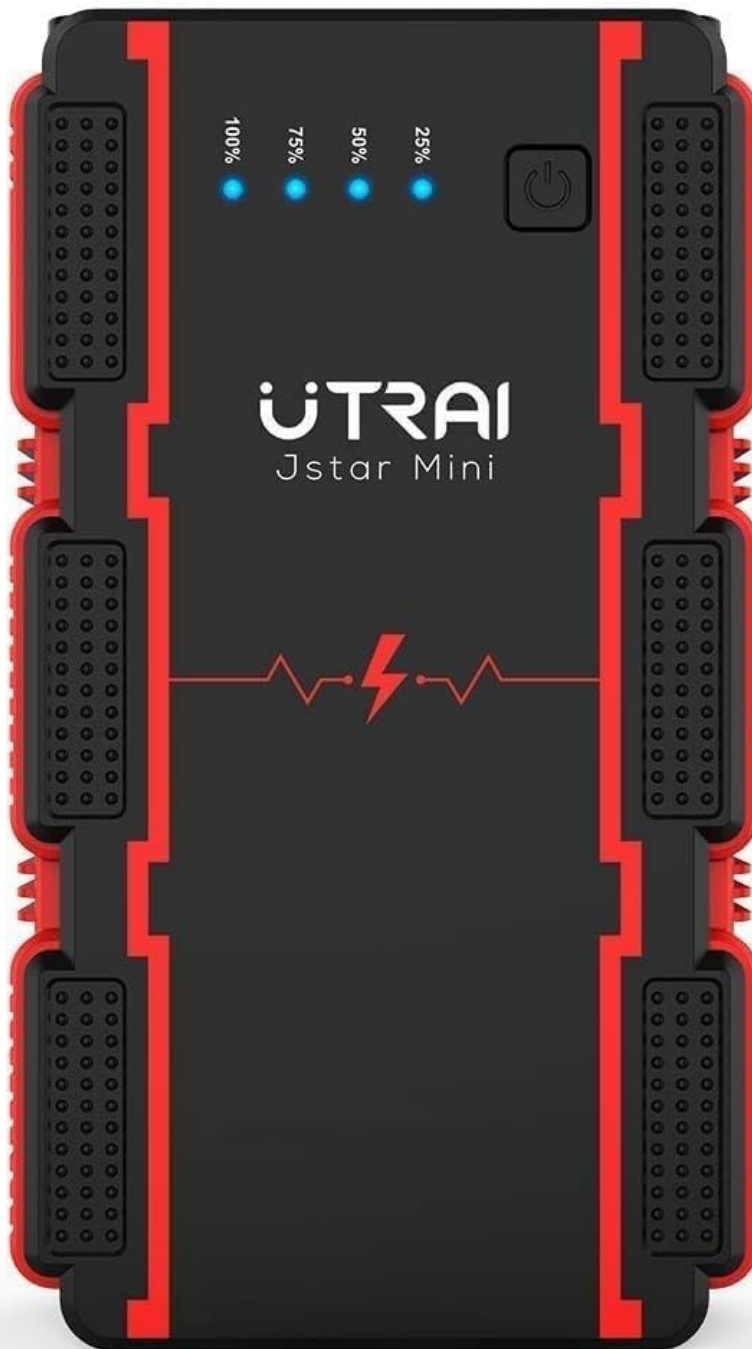
Feature	Detail
Model	JS-Mini
Peak Current	1500A (Also listed as 1000 Amps in some specifications)
Battery Capacity	13800mAh
Engine Compatibility	Up to 7.5L Gas and 5.5L Diesel Engines (12V vehicles)
USB Output 1	5V/3A (Quick Charge 3.0)
USB Output 2	5V/2.1A

Feature	Detail
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Dimensions (L x W x H)	5.91" x 3.35" x 1.02" (approx.)
Item Weight	0.33 Kilograms (approx. 11.6 ounces)
Battery Type	Lithium Polymer
Operating Temperature	-20°C to 70°C

Potente Jump Starter

12V/13800mAh/1500A



7.5L
Gas

5.5L
Diesel



Figure 7: The powerful capabilities of the UTRAI JS-Mini.

WARRANTY AND SUPPORT

The UTRAI JS-Mini Portable Car Jump Starter comes with a **2-Year Warranty**. For any questions or assistance, please feel free to contact UTRAI customer support.

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