

UTRAI Jstar 3

UTRAI Jstar 3 Car Jump Starter User Manual

Model: Jstar 3 | Brand: UTRAI

1. INTRODUCTION

The UTRAI Jstar 3 Car Jump Starter is a portable and powerful device designed to jump start 12V vehicles with up to 7L petrol or 6L diesel engines. It features a 1600A peak current and a 20000mAh capacity battery, making it suitable for cars, trucks, motorcycles, watercrafts, lawn mowers, yachts, pickups, and snowmobiles. Its compact design allows for easy storage in a glovebox or under a seat, and a super large display screen provides convenient electric quantity checks. This manual provides essential information for safe and effective operation.

2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety information before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not use the jump starter if the battery clamps or cables are damaged.
- Ensure proper polarity connection (red clamp to positive, black clamp to negative) to avoid sparks or damage.
- Do not attempt to jump start a frozen battery.
- Keep the jump starter away from children.
- Do not expose the device to extreme temperatures or direct sunlight for prolonged periods.
- Store the device in a cool, dry place.
- The device features an intelligent protection system against short circuit, over-current, overload, over-voltage, over-charge, and over-temperature. However, always exercise caution.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- 1 x UTRAI Jstar 3 Car Jump Starter (12V)
- 1 x Heavy-Duty Battery Clamp (Red for positive, Black for negative)
- 1 x USB to Type-C Cable
- 1 x Portable Carrying Case

- 1 x User Manual (this document)

Package Include:



Image: Contents of the UTRAI Jstar 3 package, including the jump starter, smart clamps, USB-C cable, carrying case, and user manual.

4. PRODUCT OVERVIEW

The UTRAI Jstar 3 is designed for ease of use and reliability. Familiarize yourself with its main components:

- **Main Unit:** Compact and durable, featuring a large LCD display for battery status.

- **Smart Clamps:** Heavy-duty clamps with integrated voltmeter and multiple safety protections.
- **LED Flashlight:** Built-in flashlight with multiple modes (lighting, SOS, strobe) for emergencies.
- **USB Outputs:** Two Quick-Charge USB outputs for charging mobile devices.
- **Type-C Input Port:** For recharging the jump starter itself.



Image: The UTRAI Jstar 3 jump starter unit with its smart battery clamps connected, showcasing its compact design and integrated display.

20000mAh

LARGE CAPACITY POWERBANK

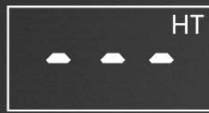


Image: A close-up view of the UTRAI Jstar 3's side, highlighting the Type-C input port, two USB output ports, and the EC5 output port for the smart clamps, along with the LCD display.

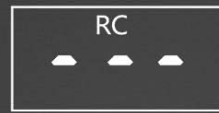
SMART CLAMPS PROTECTION



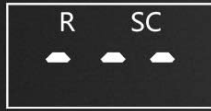
Low Voltage



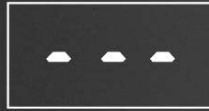
Overheat



Reverse Charging



Short Circuit



Connection
Malfunction



Over Voltage



Image: Diagram illustrating the smart clamp protection features of the UTRAI Jstar 3, including indicators for low voltage, overheat, reverse charging, short circuit, connection malfunction, and over voltage.

5. SETUP AND CHARGING

Before first use, ensure the jump starter is fully charged. It is recommended to recharge the unit every 3-6 months to maintain optimal battery health, especially if not used frequently.

5.1 Charging the Jump Starter

1. Connect the provided USB to Type-C cable to the Type-C input port on the jump starter.
2. Plug the other end of the USB cable into a suitable USB wall adapter (not included) or a powered USB port.
3. The LCD display will show the charging progress. Charge until the display indicates 100%.

20000mAh LARGE CAPACITY POWERBANK



Image: The side of the UTRAI Jstar 3 showing the Type-C input port for charging the unit.

6. OPERATING INSTRUCTIONS: JUMP STARTING YOUR VEHICLE

Follow these steps carefully to safely jump start your vehicle:

1. **Prepare the Jump Starter:** Ensure the jump starter is fully charged. Open the hood of your vehicle and locate the car battery.
2. **Connect Smart Clamps:** Insert the blue plug of the smart battery clamp completely into the EC5 output port on the jump starter.
3. **Attach to Battery:** Connect the **red clamp** to the **positive electrode (+)** of the car battery. Then, connect the **black clamp** to the **negative electrode (-)** of the car battery. The smart clamp's integrated voltmeter will display the battery voltage.
4. **Start Vehicle:** Return to your vehicle's cabin and start the engine.
5. **Remove Clamps:** Once the vehicle is started, immediately remove the smart clamp from the car battery within 30 seconds. First, disconnect the black clamp, then the red clamp. Finally, disconnect the smart clamp from the jump

starter.

For a visual guide, please watch the official product video below:

Your browser does not support the video tag.

Video: Official UTRAI Jstar 3 Jump Starter demonstration, showing the step-by-step process of connecting the smart clamps and jump starting a vehicle. This video also highlights the device's features and safety protections.



Image: The UTRAI Jstar 3 jump starter connected to a car battery, illustrating its capability to jump start various vehicle types including motorcycles, SUVs, cars, trucks, and lawn mowers.

7. ADDITIONAL FEATURES

7.1 Emergency LED Flashlight

The UTRAI Jstar 3 is equipped with a bright 10-LED flashlight, offering three useful modes:

- **Lighting Mode:** Provides steady illumination for general use.

- **SOS Mode:** Emits an SOS signal for emergency situations.
- **Strobe Mode:** Flashes rapidly for signaling or attracting attention.



Image: The UTRAI Jstar 3 with its integrated LED flashlight illuminated, showing icons for Lighting, SOS, and Strobe modes.

7.2 Portable Power Bank (20000mAh)

With its 20000mAh capacity and two Quick-Charge USB outputs, the Jstar 3 can efficiently charge your electronic devices, including cell phones, tablets, and digital cameras.

- Connect your device's USB charging cable to either of the USB output ports on the jump starter.
- The jump starter will automatically begin charging your device.

20000mAh LARGE CAPACITY POWERBANK



Image: The side of the UTRAI Jstar 3 showing the two USB output ports, indicating its function as a portable power bank.

7.3 Mistake-Proof Design & Safety Protection

The smart clamp cables are designed with an integrated voltmeter and multiple safety features to protect both the user and the vehicle:

- **Short Circuit Protection:** Prevents damage from incorrect connections.
- **Over-Current Protection:** Safeguards against excessive current flow.
- **Overload Protection:** Protects the device from being over-stressed.
- **Over-Voltage Protection:** Prevents damage from voltage spikes.
- **Over-Charge Protection:** Ensures safe charging of the internal battery.
- **Over-Temperature Protection:** Shuts down the device if it gets too hot.
- **Reverse Polarity Protection:** Alerts and prevents operation if clamps are connected incorrectly.

SMART CLAMPS PROTECTION



Low Voltage



Overheat



Reverse Charging



Short Circuit



Connection
Malfunction



Over Voltage



Image: A detailed view of the smart clamps' display, showing various error indicators for different protection modes like low voltage, overheat, and reverse charging.

8. MAINTENANCE AND STORAGE

- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Store the jump starter in its portable carrying case when not in use to protect it from dust and damage.
- Recharge the unit every 3-6 months, even if not used, to prolong battery life.
- Avoid storing the device in direct sunlight or in environments with extreme temperatures (below -20°C or above +75°C).



Image: The UTRAI Jstar 3 jump starter, smart clamps, and charging cable neatly packed inside its portable carrying case, ready for storage or transport.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely discharged.	Recharge the jump starter fully.
Vehicle does not start after connecting.	Incorrect clamp connection (reverse polarity). Vehicle battery is severely damaged. Jump starter battery is too low.	Check clamp connections and ensure correct polarity (red to +, black to -). The smart clamp will beep if incorrect. Consult a professional mechanic. Recharge the jump starter.

Problem	Possible Cause	Solution
Smart clamp beeps continuously.	Various safety warnings (reverse polarity, short circuit, low voltage, over voltage, connection malfunction).	Refer to the smart clamp's display for the specific error code and correct the issue before attempting to jump start.
USB charging not working.	Jump starter battery is low. Cable or device incompatibility.	Recharge the jump starter. Try a different USB cable or device.

10. SPECIFICATIONS




Feature	Detail
Brand	UTRAI
Model	Jstar 3
Peak Current	1600 Amps
Battery Capacity	20000mAh
Engine Compatibility	Up to 7.0L Gas, 6.0L Diesel
Battery Type	Lithium Polymer
Product Dimensions	3.15 x 3.94 x 5.91 inches
Item Weight	2.24 pounds
Operating Temperature	-20°C to +75°C (as per video)
Certifications	CE

11. WARRANTY AND SUPPORT

UTRAI offers comprehensive support for its products:

- **Warranty Period:** 12 months product period.
- **Return Policy:** 30 days return policy.
- **Customer Service:** 24/7 online service available. For any questions or assistance, please contact UTRAI customer support.

For more information, visit the official UTRAI Store:[UTRAI Amazon Store](#)

	<p>UTRAI T1 Jump Starter User Manual - Portable Car Battery Booster</p> <p>Comprehensive user manual for the UTRAI T1 portable jump starter. Learn how to charge your car battery, charge devices, use the LED flashlight, and understand safety features.</p>
	<p>Manual de Utilizare UTRAI JS-5 Jump Starter Auto și Compresor</p> <p>Manual de utilizare complet pentru UTRAI JS-5 Jump Starter și Compresor Auto, acoperind caracteristicile produsului, specificații, încărcare, pornire auto, umflare anvelope, măsuri de siguranță și depanare.</p>
	<p>UTRAI Jump Starter JS-Mini User Manual</p> <p>User manual for the UTRAI JS-Mini Jump Starter, providing detailed instructions on its features, operation, specifications, and safety precautions for jump-starting vehicles and charging devices.</p>
	<p>UTRAI JS-Mini Jump Starter User Manual</p> <p>Comprehensive user manual for the UTRAI JS-Mini portable car jump starter, covering specifications, operation, safety information, and customer support.</p>
	<p>UTRAI T1 User Manual - Jump Starter Guide</p> <p>Comprehensive user manual for the UTRAI T1 jump starter. Learn about its features, specifications, safety information, and operation for charging devices and jump-starting vehicles.</p>
	<p>UTRAI JS-5 Jump Starter & Air Compressor User Manual</p> <p>Comprehensive user manual for the UTRAI JS-5 portable jump starter and air compressor. Includes instructions for jump starting vehicles, inflating tires, charging devices, safety precautions, specifications, and troubleshooting.</p>

