

UTRAI JS 5

UTRAI Jstar 5 Jump Starter and Air Compressor User Manual

Model: JS 5

1. INTRODUCTION

The UTRAI Jstar 5 is a versatile multi-function device designed for automotive emergencies and outdoor activities. It combines a powerful jump starter, an electric air compressor, a mobile power bank, and an emergency LED light. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting.

2. SAFETY INFORMATION

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

- Always connect the smart clamps correctly to the vehicle battery terminals (red to positive, black to negative).
- Do not touch the red and black clamps together to avoid short circuits.
- Once the engine starts, disconnect the battery clamps from the car battery and the jump starter within 30 seconds.
- Avoid using the device in extreme cold or humid conditions (-20°C to 60°C is the operating range). Performance may be reduced outside this range.
- Do not use the device if the vehicle battery is severely degraded or damaged.
- If the vehicle battery is completely discharged, use the boost mode as described in the operating instructions.
- For long-term storage, recharge the device every 3 months to prolong battery life.
- Keep the device away from children.
- Ensure proper ventilation when using the air compressor; it can generate heat.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- UTRAI Jstar 5 Jump Starter and Air Compressor Unit
- Smart Battery Clamps
- USB-C Charging Cable
- DC Car Charger Adapter
- Air Nozzle Adapters (3 pieces)
- User Manual
- Storage Case



Image 3.1: Contents of the UTRAI Jstar 5 package, including the main unit, smart clamps, cables, and adapters.

4. PRODUCT FEATURES

The UTRAI Jstar 5 offers multiple functionalities:

- **Jump Starter:** 5000A peak current, capable of starting all gasoline vehicles and diesel vehicles up to 8L.
- **Air Compressor:** Built-in electric air compressor with a maximum pressure of 150 PSI, suitable for tires, balls, and inflatables. Features automatic stop when preset pressure is reached.
- **Mobile Power Bank:** 27000mAh capacity with USB (5V/2.4A) and QC3.0 fast charging output ports for charging smartphones, tablets, and other electronic devices. Includes a DC output port (12V-16V/10A) for car accessories.
- **LED Emergency Light:** Equipped with a bright LED light offering illumination, warning (strobe), and SOS modes for various emergency situations.
- **Safety Protections:** Features 9 types of protection including short circuit, reverse connection, over-discharge, over-current, reverse current, low voltage, high voltage, temperature, and overcharge protection. PSE certified.
- **Digital LCD Display:** Clear display for battery level, tire pressure, and output status.



Image 4.1: Overview of the UTRAI Jstar 5's multiple functions, including jump starting, air inflation, power bank, and LED light.

5. SETUP

Before first use, fully charge the UTRAI Jstar 5 unit. Connect the provided USB-C charging cable to the device and a suitable power source. The LCD display will indicate the charging status.

6. OPERATING INSTRUCTIONS

6.1. Jump Starting a Vehicle

1. Ensure the jump starter is sufficiently charged.
2. Insert the smart battery clamp plug completely into the jump start port on the UTRAI Jstar 5. The red and green lights on the clamp will flash alternately.
3. Connect the red clamp to the positive (+) terminal of the car battery and the black clamp to the negative (-) terminal.
4. Once connected correctly, the green light on the smart clamp will illuminate steadily, and a click sound may be heard.
5. Start your vehicle's engine within 60 seconds.
6. After the engine starts, remove the battery clamps from the car battery and then from the jump starter within 30 seconds.



Image 6.1: Visual guide for the jump starting process, showing clamp connection and engine start.

Your browser does not support the video tag. This video demonstrates the jump starting process for a vehicle. It shows connecting the smart clamps to the jump starter and then to the car battery, followed by starting the engine and disconnecting the clamps.

Video 6.1: Demonstration of the UTRAI Jstar 5 jump starting a car.

6.2. Using the Air Compressor

1. Remove the air hose from its storage slot on the device.
2. Press the 'OK' button to activate the display, then press the 'M' button to cycle through air inflation modes (car, motorcycle, bicycle, ball).
3. Use the '+' and '-' buttons to set the desired air pressure. Refer to your vehicle's manual or tire

sidewall for recommended pressure.

- Securely connect the air hose to the tire valve. The current tire pressure will be displayed on the LCD.
- Press the 'OK' button to start inflation. The compressor will automatically stop when the preset pressure is reached.
- Disconnect the air hose from the tire valve and store it back in the unit.



Image 6.2: Step-by-step instructions for using the air compressor to inflate a tire.

6.3. Using as a Mobile Power Bank

The UTRAI Jstar 5 can charge various electronic devices:

- Connect your device's USB charging cable to one of the USB output ports (5V/2.4A or QC3.0) on the Jstar 5.
- For 12V car accessories, connect the DC car charger adapter to the DC output port (12V-16V/10A) and then to your accessory (e.g., car vacuum, car refrigerator).

27000mAh大容量モバイルバッテリー



Image 6.3: The UTRAI Jstar 5 charging a smartphone and tablet via its USB output ports.

6.4. Using the LED Light

The integrated LED light has multiple modes for different situations:

- Press the light button (usually indicated by a light bulb icon) on the control panel to cycle through modes: Illumination, Strobe (warning), and SOS.
- The bright light is useful for working in dark engine bays or as a camping light.
- Strobe and SOS modes are for emergency signaling.



Image 6.4: The UTRAI Jstar 5's LED light demonstrating its various modes: illumination, strobe, and SOS.

7. MAINTENANCE

- **Charging:** To maintain optimal battery health, fully charge the Jstar 5 every three months, especially during long periods of inactivity.
- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided storage case for protection.

8. TROUBLESHOOTING

If you encounter issues with your UTRAI Jstar 5, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Vehicle does not start	Low charge on jump starter, incorrect clamp connection, severely discharged vehicle battery.	Ensure jump starter is fully charged. Recheck clamp connections (red to +, black to -). If vehicle battery is completely flat, use boost mode (refer to full manual for specific instructions).
Smart clamp indicator light is red or flashing red/green rapidly	Short circuit, reverse polarity, over-temperature, or other safety protection activated.	Immediately disconnect clamps. Check for correct polarity. Allow device to cool down if it was recently used. Ensure clamps are not touching each other.
Air compressor not inflating	Air hose not securely connected, incorrect pressure setting, device not powered on.	Ensure air hose is tightly screwed onto the tire valve. Verify the device is powered on and the desired pressure is set. Check battery level.







Problem	Possible Cause	Solution
Device not charging	Faulty charging cable/adaptor, power source issue.	Try a different USB-C cable and power adapter. Ensure the power source is active.

9. SPECIFICATIONS

Feature	Specification
Model Number	JS 5
Peak Current	5000 Amperes
Battery Capacity	27000mAh
Battery Type	Lithium Polymer
Voltage	12 Volts
Air Compressor Max Pressure	150 PSI (1035 kPa)
Compatible Vehicle Types	All gasoline engine vehicles, diesel engine vehicles up to 8L
Product Dimensions	20 x 16 x 8 cm
Product Weight	2 Kilograms
Operating Temperature	-20°C to 60°C

10. WARRANTY AND SUPPORT

The UTRAI Jstar 5 comes with a 12-month warranty. If you encounter any issues with the product or have questions, please contact UTRAI customer support directly for assistance. Provide your purchase details and a description of the problem for prompt service.

	<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>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>
	<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-30 Jump Starter With Air Compressor User Manual</p> <p>Comprehensive user manual for the UTRAI JS-30 Jump Starter With Air Compressor, detailing its features, operation, safety precautions, and troubleshooting. This versatile device combines a jump starter and an air compressor for automotive needs.</p>
	<p>UTRAI JS-1 Pro Jump Starter User Manual: Features, Operation, and Safety</p> <p>Comprehensive user manual for the UTRAI JS-1 Pro portable jump starter. Learn about its specifications, operation, charging, safety guidelines, and troubleshooting. Includes jump starting instructions and customer support.</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>