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- › [UTRAI](#) /
- › [UTRAI Jump Starter with Air Compressor, 6000A 27000mAh Car Starter Jump Box with 150PSI Tire Inflator, Portable Jump Pack \(All Gas/10L Diesel\), DC160W, QC3.0 Jumper Cables, 1600LM Light](#)

UTRAI JS5

UTRAI JS5 Jump Starter with Air Compressor User Manual

Model: JS5

Brand: UTRAI

1. INTRODUCTION

Thank you for choosing the UTRAI JS5 Jump Starter with Air Compressor. This versatile device combines a powerful jump starter, a high-capacity power bank, a 150PSI tire inflator, and a bright LED emergency light. Designed for convenience and safety, it is an essential tool for any vehicle owner.

Please read this user manual thoroughly before operating the device to ensure proper use, optimal performance, and safety. Keep this manual for future reference.



Figure 1: UTRAI JS5 Jump Starter with Air Compressor and included accessories.

2. What's in the Box

Upon opening your package, please verify that all the following items are included:

- 1 × UTRAI JS5 Car Jump Starter Power with Air Compressor
- 1 × Heavy Duty Smart Clamp
- 1 × USB-C Charging Cable
- 1 × DC Cigarette Adapter
- 3 × Versatile Air Nozzles
- 1 × User Manual
- 1 × Portable EVA Storage Case



Figure 2: All items included in the UTRAI JS5 package.

3. KEY FEATURES

- **6000A Portable Jump Starter:** Capable of starting 12V vehicles (up to all gas and 10.0L diesel engines) in seconds, even in extreme temperatures (-4°F~140°F). Suitable for cars, bicycles, motorcycles, drones, lawn mowers, and motorboats.
- **Smart Cordless Inflator with Jump Starter:** Features smart preset and auto-stop function for effortless inflation of tires (cars, motorcycles, bikes) and other inflatables (sport balls, air beds). Inflates car tires from 25 to 36PSI in 1 minute, or 0 to 36PSI in 4 minutes. The LCD screen provides clear pressure, mode, power level, and working status readouts.
- **Enhanced Thermal Management & Safe Operation:** Advanced assembly and honeycomb thermal design reduce start-up temperature by 50%, boosting durability and extending service life by over 30%. Includes 10-level protection (reverse polarity, reverse charge, over discharge, reverse connection, short circuit, over charge, over current, over heat, spark resistance) for user and vehicle safety.
- **27000mAh Fast Charge Power Station:** High-capacity battery with single input + dual output (1 QC 3.0, 1 standard USB) and 1 DC output (12V-16V/10A). Compatible with mobile phones, tablets, and automotive devices via EC5 cigarette lighter. Fully charges in 6 hours.
- **1600LM Ultra-Bright Emergency Kits:** Equipped with a 1600-lumen LED flashlight offering 3 lighting modes: normal, flashing, and SOS. Flashing and SOS modes act as lifesavers in emergencies. Features extreme low self-discharge, allowing for 12 months standby time.

6 IN 1 MULTI-FUNCTION



Jump Starter



Air Compressor



Flashlight



Tire Inflator



Power Bank



SOS Light



Figure 3: The UTRAI JS5 offers 6-in-1 multi-functionality.

4. SAFETY PRECAUTIONS

Always follow these safety guidelines to prevent injury or damage to the device and your vehicle:

- Read all instructions before use.
- Do not operate the device if it is damaged or has been modified.
- Keep out of reach of children.
- Do not expose the device to rain or wet conditions.
- Ensure proper ventilation during operation.
- Do not short-circuit the smart clamps.
- Avoid reverse connection of the smart clamps to the battery terminals.
- Do not overcharge or over-discharge the device.
- The inflator will automatically stop inflating after long working time to avoid overheating. Please wait for

about 10 minutes to cool down before reuse.

LARGE LED DIGITAL SCREEN

Easier to read the pressure value & battery level



Figure 4: The UTRAI JS5 features 10 intelligent secure protection mechanisms.

5. SETUP AND CHARGING

5.1 Initial Charge

Before first use, fully charge your UTRAI JS5. Connect the provided USB-C charging cable to the device's USB-C input port and plug the other end into a compatible USB wall adapter (not included). The LCD screen will indicate charging status. A full charge typically takes about 6 hours.

5.2 Checking Battery Level

Press any button on the device to activate the LCD screen and check the current battery level. Ensure the device has sufficient charge before attempting to jump start a vehicle or inflate tires.

PACKING LIST



Figure 5: The large LED digital screen displays battery level and other information.

6. OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

Ensure the UTRAI JS5 is fully charged before attempting a jump start.

1. **Connect Smart Clamp:** Insert the blue end of the heavy-duty smart clamp into the jump start port on the UTRAI JS5.
2. **Connect to Battery:** 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.
3. **Check Indicator:** The indicator light on the smart clamp will turn solid green if the connection is correct and safe to proceed. If it shows red or flashes, check connections and troubleshoot.
4. **Start Vehicle:** Once the indicator is solid green, start your vehicle's engine.
5. **Remove Clamps:** After the vehicle starts, immediately remove the smart clamp from the vehicle battery, then disconnect it from the UTRAI JS5.



Figure 6: Step-by-step guide for jump-starting a car.



Figure 7: The UTRAI JS5 can start all 12V dead battery vehicles, including large diesel engines.

7. OPERATING INSTRUCTIONS: TIRE INFLATOR

1. **Retrieve Air Hose:** Take out the air hose from the back of the jump starter.
2. **Connect to Tire:** Screw the air hose connector onto the tire valve stem. Ensure it's tightly secured to prevent air leakage.
3. **Power On & Select Mode:** Press the "OK" button to power on the device. Press the "M" button to cycle through inflation modes (car, motorcycle, bicycle, ball) and select the appropriate preset.
4. **Set Pressure:** Use the "+" and "-" buttons to adjust the target pressure (PSI). The LCD screen will display the current and target pressure.
5. **Start Inflation:** Press the "OK" button again to start pumping. The inflator will automatically stop once the target pressure is reached.
6. **Disconnect:** Unscrew the air hose from the tire valve.



Figure 8: Step-by-step guide for using the tire inflator function.

8. OPERATING INSTRUCTIONS: POWER BANK

The UTRAI JS5 can charge various electronic devices:

- **USB Charging:** Connect your mobile phone, tablet, or other USB-powered devices to the USB-OUT (QC 3.0) or standard USB-OUT port using your device's charging cable.
- **DC Output:** Use the provided DC Cigarette Adapter with the DC-OUT port to power 12V automotive devices such as car vacuum cleaners or mini-refrigerators.

1600-LUMEN ULTRA BRIGHT LED FLASHLIGHT



Normal



Flashing



SOS



Figure 9: The UTRAI JS5 functions as a 27000mAh power bank for various devices.

9. OPERATING INSTRUCTIONS: LED FLASHLIGHT

The built-in 1600-lumen LED flashlight provides illumination and emergency signaling:

- **Turn On/Off:** Press the light bulb button to turn the flashlight on or off.
- **Change Modes:** With the flashlight on, press the light bulb button repeatedly to cycle through the modes: Normal, Flashing, and SOS.

10 INTELLIGENT SECURE PROTECTION

Multiple Security Protections
for Safety Use



Figure 10: The 1600-lumen LED flashlight has multiple modes for various situations.

10. MAINTENANCE AND STORAGE

- **Charging:** Recharge the device every 3-6 months, even if not used, to maintain battery health.
- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the UTRAI JS5 in its portable EVA storage case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Temperature:** Avoid storing in temperatures above 140°F (60°C) or below -4°F (-20°C).

11. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device won't turn on.	Low battery.	Charge the device fully.
Vehicle won't jump start.	Incorrect clamp connection.	Ensure clamps are connected correctly (red to positive, black to negative). Check smart clamp indicator.
Vehicle won't jump start.	Vehicle battery is severely damaged.	Consult a professional mechanic.
Tire inflator not working.	Air hose not securely connected.	Tighten the air hose connector to the valve stem.
Tire inflator stops unexpectedly.	Overheating protection activated.	Allow the device to cool down for 10 minutes before resuming use.

12. SPECIFICATIONS

Brand: UTRAI

Model: JS5

Peak Current: 6000A

Battery Capacity: 27000mAh

Starting Voltage: 12V

Engine Compatibility: Up to All Gas / 10.0L Diesel

Tire Inflator Pressure: 150PSI Max

DC Output: 12V-16V/10A

USB Output 1: QC 3.0

USB Output 2: 5V/2.4A

USB-C Input: 5V/3A, 9V/2A

LED Flashlight: 1600 Lumens (Normal/Flashing/SOS)

Product Dimensions: 7.91"H x 6.4"W x 3.3"D

Item Weight: 3.15 pounds (1430 Grams)



Figure 11: Dimensions of the UTRAI JS5 Jump Starter.

13. WARRANTY AND SUPPORT

UTRAI provides a 2-year warranty and lifetime technical support for the JS5 Jump Starter with Air Compressor.

For any questions, technical assistance, or warranty claims, please contact UTRAI customer support through the official channels provided at the point of purchase or on the UTRAI website.

Customer Support: Available 24 hours

Return & Refund: 30 Days Unconditional

Warranty: 24 Months Hassle-free

Technical Support: Lifetime

For more information, visit [UTRAI Store on Amazon](#)