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## UTRAI JS5

# UTRAI JS5 Portable Car Jump Starter User Manual

Model: JS5

## 1. PRODUCT OVERVIEW

The UTRAI JS5 is a versatile portable car jump starter designed to provide reliable power for various vehicles and electronic devices. It features a powerful 2000A peak current for jump-starting, multiple charging outputs, and integrated safety features.



Figure 1: UTRAI JS5 Portable Car Jump Starter with included smart clamps and accessories.

## Key Features:

- **Powerful Jump Starting:** Delivers 2000 peak amps to restart 12V batteries, suitable for up to 8L gas and 6.5L diesel engines. Operates in extreme temperatures (-4 °F to 140 °F).
- **Multi-functional Power Bank:** Equipped with 2 USB outputs and 1 Type-C output (5V/3A, 9V/2A, 12V/1.5A), plus a 12V/8A cigarette lighter socket for powering various electronic devices.
- **Integrated LED Flashlight:** Features a super bright LED light with 3 modes: constant lighting, strobe, and SOS for emergencies.
- **Built-in Compass:** Assists with navigation in outdoor or unfamiliar environments.
- **Advanced Safety Protections:** Smart jumper cables provide over 8 safety protections including reverse polarity, over-current, over-load, and high-temperature protection.

## 2. WHAT'S IN THE BOX

Your UTRAI JS5 package includes the following items:

- UTRAI JS5 Car Battery Jump Starter (x1)
- Premium EVA Protection Case (x1)

- Heavy Duty Smart Clamp (x1)
- DC Cigarette Lighter Adapter (x1)
- Type-C Charging Cable (x1)
- USB Cable (x1)
- Valve Connector (x3)
- User Manual (x1)



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

### 3. SETUP AND CHARGING

#### Charging the Jump Starter:

1. Connect the provided Type-C charging cable to the Type-C input port on the jump starter.
2. Connect the other end of the cable to a suitable USB wall adapter (not included) or a car charger.

3. The display screen will show the charging progress. A full charge is indicated when the battery icon reaches 100%.

It is recommended to fully charge the jump starter before first use and to maintain a charge level above 80% for optimal performance. Avoid charging immediately after jump-starting a vehicle; allow the unit to cool down for at least 30 minutes.

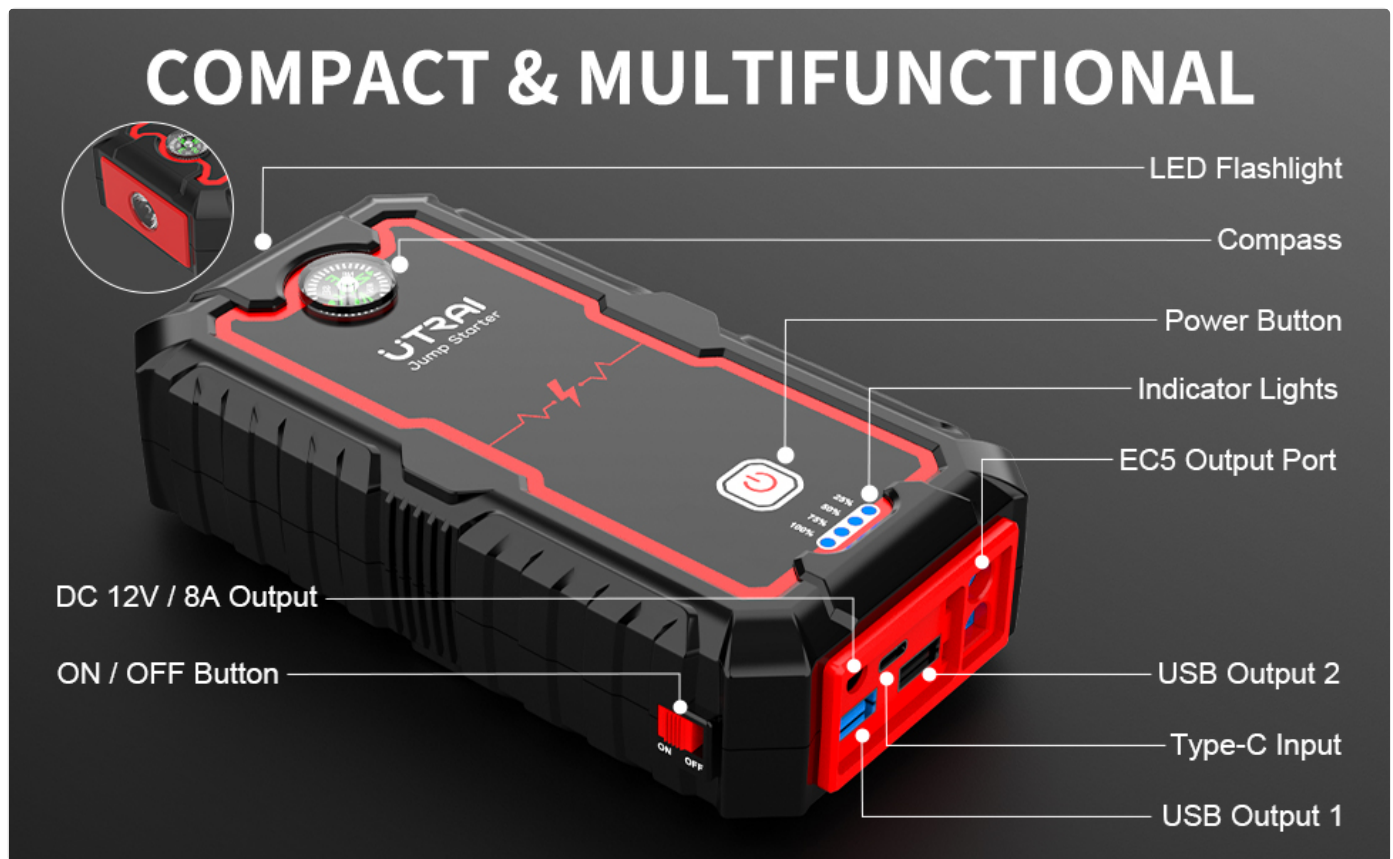


Figure 3: The UTRAI JS5 unit highlighting the Type-C input port for charging.

## 4. OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

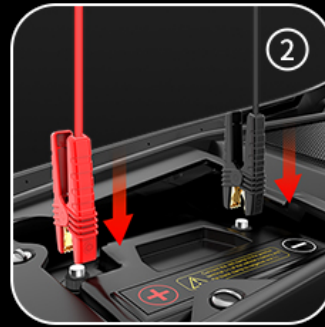
Follow these steps to safely jump-start your 12V vehicle:

1. Ensure the jump starter is sufficiently charged (above 80% is recommended).
2. Insert the smart jumper cable plug completely into the jumpstart port on the UTRAI JS5 unit.
3. Connect the red (+) clamp to the positive terminal of your vehicle's battery.
4. Connect the black (-) clamp to the negative terminal of your vehicle's battery.
5. Check the indicator light on the smart clamp. A solid green light indicates a correct connection and readiness to start. If red lights flash or a beeping sound occurs, refer to the troubleshooting section.
6. Start your vehicle's engine.
7. Once the vehicle starts, immediately remove the jumper cable from the jump starter, then disconnect the black (-) clamp, followed by the red (+) clamp from the vehicle battery within 30 seconds.

# How To Jump Start



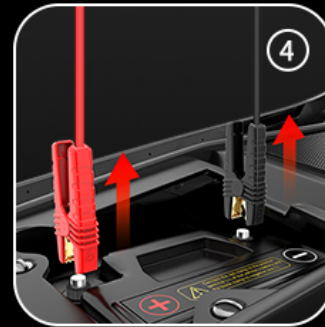
1. Insert the plug into the jump starter



2. Connect the clamps to car battery correctly



3. Turn it on and start your car



4. Remove clamps and pack away

Figure 4: Visual guide for connecting the jump starter to a vehicle battery.

## Force Start Function (for extremely dead batteries):

If the vehicle fails to start after 3 attempts with correct connection, you can use the force start function:

1. Press and hold the forced start button on the smart clamp for approximately 3 seconds.
2. The current voltage value will be shown on the display. Release the button to enter the energized state.
3. Start the engine.
4. Pressing the button again briefly terminates the energized state.

**Note:** The force start function bypasses some safety checks. Use with caution and only when necessary.

Video 1: Official demonstration of the UTRAI Jstar One Portable Car Jump Starter in use.

## 5. OPERATING INSTRUCTIONS: OTHER FUNCTIONS

### LED Flashlight and Compass:

The UTRAI JS5 includes a powerful LED flashlight and a built-in compass.

- **Activating Flashlight:** Press and hold the LED light button to turn on the flashlight.
- **Changing Modes:** Briefly press the LED light button to cycle through the 3 modes: constant lighting, strobe, and SOS.
- **Turning Off:** Press and hold the LED light button to turn off the flashlight.

# 3 MODES OF LED LIGHT



Normal



SOS



Strobe



Figure 5: The LED flashlight with its three operational modes.

## Power Bank Functionality:

The jump starter can charge various 5V electronic products and power 12V compatible devices.

- **Charging 5V Devices:** Connect your mobile phones, tablets, wireless earphones, game consoles, smartwatches, drones, or cameras to the USB or Type-C output ports using the appropriate charging cable.
- **Powering 12V Devices:** Insert a cigarette lighter into the DC output port (12V/8A) to power devices like car vacuum cleaners, car air pumps, car refrigerators, or driving recorders.





Figure 6: The dual USB and Type-C outputs, along with the DC output for various devices.

### Air Compressor Function:

The UTRAI JS5 includes an air compressor function for inflating tires and other items.

1. Connect the air hose to the designated port on the jump starter.
2. Attach the appropriate valve connector to the item you wish to inflate.
3. Use the control panel to set the desired pressure (PSI, BAR, KPA) and select the item type (car, motorcycle, bicycle, ball).
4. Activate the air compressor. The unit will automatically stop once the set pressure is reached.

12  
Volt


8.0L  
Gas

6.5L  
Diesel


2000A  
Peak Current

UTRAI Jstar 1


START ALL TYPES OF  
12V VEHICLES




1.5L



2.5L



6.5L



8.0L

Figure 7: The control panel for the air compressor function.

## 6. SAFETY INFORMATION

The UTRAI JS5 is designed with multiple safety features to protect both the user and the device:

- **Reverse Polarity Protection:** Prevents damage if clamps are connected incorrectly.
- **Over-Current Protection:** Safeguards against excessive current flow.
- **Over-Load Protection:** Protects the unit from drawing too much power.
- **High-Temperature Protection:** Automatically shuts down if the internal temperature becomes too high.
- **Short-Circuit Protection:** Prevents damage from short circuits.
- **Over-Charge Protection:** Prevents battery damage from overcharging.
- **Over-Discharge Protection:** Protects the battery from being fully drained.
- **Spark-Proof Technology:** Minimizes the risk of sparks during connection.

Always ensure the surrounding area is well ventilated when using the product. Do not block heat dissipation holes. Avoid using the device in wet places or places that are easily splashed by water. Do not use in environments with flammable or explosive materials.





Figure 8: Overview of the 8 advanced safety protections.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your UTRAI JS5 jump starter, follow these maintenance guidelines:

- **Regular Charging:** Recharge the unit every 3-6 months, even if not in use, to maintain battery health. The manufacturer states a maximum standby time of 24 months, but more frequent checks are recommended.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials.
- **Cable Inspection:** Periodically inspect the smart jumper cables for any signs of wear, damage, or corrosion. Replace if necessary.

## 8. TROUBLESHOOTING

The smart jumper cables feature indicator lights and sounds to help diagnose issues:

- **Solid Green Light:** Ready to work.
- **Red Light Flashing/Beeping:** Indicates a connection error (e.g., reverse polarity, short circuit, high voltage, low voltage, overheating). Refer to the manual for specific error codes and solutions.
- **No Light/No Power:** Check the battery level of the jump starter. Recharge if necessary.

If you encounter persistent issues, please contact customer support.

## 9. SPECIFICATIONS

Brand	UTRAI
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Model	JS5
Peak Output Current	2000 Amps
Battery Energy	59200 mWh
Engine Compatibility	Up to 8L Gas, 6.5L Diesel
Output Ports	2x USB, 1x Type-C (5V/3A, 9V/2A, 12V/1.5A), 1x 12V/8A DC
Operating Temperature	-4 °F ~ 140 °F
Item Weight	2.57 pounds
Product Dimensions	3.94 x 3.94 x 3.94 inches
UPC	841678100247



## 10. WARRANTY AND SUPPORT

Your UTRAI JS5 Portable Car Jump Starter comes with:

- **2-Year Hassle-free Warranty:** Covers manufacturing defects and malfunctions under normal use.
- **Lifetime Technical Support Service:** Access to expert assistance for any product-related queries or issues.

For warranty claims or technical support, please refer to the contact information provided in your user manual or visit the official UTRAI website.

### Related Documents - JS5

	<p><a href="#">UTRAI T1 User Manual - Jump Starter Guide</a></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><a href="#">UTRAI T1 Jump Starter User Manual - Portable Car Battery Booster</a></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>

<div><div>UTRAI</div><div>MANUAL DE UTILIZARE</div><div>Jump Starter auto si compresor JS-5 Cod produs: 3842R</div><div>1</div></div>	<div><div><a href="#">Manual de Utilizare UTRAI JS-5 Jump Starter Auto și Compresor</a></div><div>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.</div></div>
<div><div>UTRAI</div><div>Jump Starter JS-Mini USER MANUAL</div><div>1</div></div>	<div><div><a href="#">UTRAI Jump Starter JS-Mini User Manual</a></div><div>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.</div></div>
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