VTOMAN JS-391

VTOMAN V10 Pro 4500A Jump Starter Instruction Manual

Model: JS-391

1. INTRODUCTION

The VTOMAN V10 Pro 4500A Jump Starter is a powerful and versatile device designed to provide reliable jump-starting for a wide range of 12V vehicles, including all gasoline and up to 10.0L diesel engines. Beyond its primary function, it also serves as a portable power bank for charging electronic devices and features a multi-mode LED flashlight for emergencies. This manual provides essential information for safe and effective use of your V10 Pro Jump Starter.

Figure 1: VTOMAN V10 Pro 4500A Jump Starter

2. WHAT'S IN THE BOX

Carefully unpack all items and ensure you have received the following components:

- 1 x V10 Pro Jump Starter Unit
- 1 x Smart Jumper Cable with Indicator
- 1 x USB-A to Type-C Cable
- 1 x Type-C to Type-C Cable
- 1 x Storage Case
- 1 x User Manual

Figure 2: Package Contents

3. PRODUCT FEATURES

- **High Starting Power:** Genuine 4500 Amps peak current, capable of jump starting all 12V gasoline engines and up to 10.0L diesel engines.

- **Versatile Power Bank:** Equipped with USB-C/PD15W, dual USB-A/Quick Charging outputs, and 15V/10A DC output for charging various electronic devices and powering car accessories.

- **Advanced Safety:** Features 10 advanced safety technologies including spark-proof, reverse-charge, over-current, over-charge, reverse-polarity, high-temp, low-temp, short-circuit, over-voltage, and over-load protection.

- **Extreme Weather Operation:** Designed to operate effectively in temperatures ranging from -4°F to 140°F (-20°C to 60°C).

- **Long Standby Time:** Automatically powers down after 10 seconds of inactivity, preserving power for up to 24 months on a single charge.

- **Integrated LED Flashlight:** 400 lumen LED light with 3 modes: Normal, Strobe, and SOS for emergency signaling.

- **Portable Design:** Compact and comes with a sturdy storage case for easy transport and storage.

Figure 3: Wide Vehicle Compatibility

4. Sᴇᴛᴜᴘ

4.1 Charging the Jump Starter

Before first use, fully charge the VTOMAN V10 Pro. It can be charged using the provided USB-C cable via a wall charger (not included) or in your car. A full charge typically takes about 5 hours.

- Connect the Type-C cable to the IN/OUT (5V/3A 15W) port on the jump starter.
- Connect the other end of the cable to a USB wall adapter or a car charger.
- The battery indicator lights will illuminate to show the charging progress. All four lights indicate a full charge.

Figure 4: Charging at Home

Figure 5: Charging in Car

5. Operating Instructions

5.1 Jump Starting a Vehicle

Ensure the jump starter is fully charged before attempting to jump start a vehicle.

1. **Connect Smart Jumper Cable:** Insert the blue end of the smart jumper cable into the jump start socket on the V10 Pro.

2. **Connect to Vehicle Battery:** Attach the red clamp to the positive (+) terminal of the vehicle battery and the black clamp to the negative (-) terminal.

3. **Check LED Indicator:** Observe the LED indicator on the smart jumper cable:

   - **Solid Green LED:** Connection is correct. Proceed to start the vehicle.

   - **Red LED:** Reverse connection. Correct the polarity of the battery clamps.

   - **Blinking Green LED:** Vehicle battery voltage is too low. Press the "BOOST" button on the smart cable. Once the Green LED illuminates solid, start the vehicle within 30 seconds.

   - **No Light:** Vehicle battery may be damaged. First, ensure correct connection. Try pressing the "BOOST" button. If Green LED illuminates solid, start the vehicle within 30 seconds.

4. **Start Vehicle:** Once the LED is solid green, start your vehicle.

5. **Disconnect:** After the vehicle starts, disconnect the smart jumper cable from the vehicle battery first, then from the jump starter.
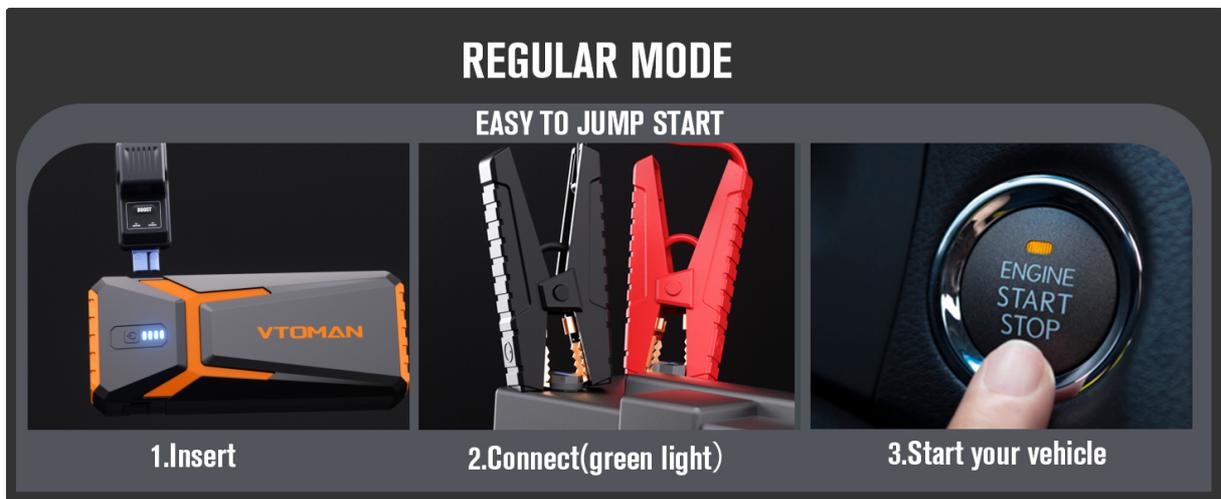
Figure 6: Regular Jump Start Mode

Figure 7: Boost Mode for Totally Dead Batteries

5.2 Using as a Power Bank

The V10 Pro can charge various electronic devices:

- Connect your device's charging cable to one of the USB-A (Quick Charging or 5V/2.4A) outputs or the USB-C (IN/OUT 5V/3A 15W) port.
- For 15V/10A DC output, use a compatible cable to power car refrigerators, air compressors, etc.

Figure 8: Charging Multiple Devices

5.3 Using the LED Flashlight

The built-in 400 lumen LED flashlight has three modes:

- **Normal:** Press and hold the power button for 3 seconds to turn on.
- **Strobe:** Press the power button once more to activate strobe mode.
- **SOS:** Press the power button again to activate SOS signaling mode.
- To turn off, press the power button one more time or hold it for 3 seconds.

Figure 9: LED Flashlight Modes

6. SAFETY INFORMATION

The VTOMAN V10 Pro incorporates 10 advanced safety technologies to ensure user protection and prevent damage to the device or vehicle:

- **Spark-Proof Protection:** Prevents sparks during connection.
- **Reverse-Charge Protection:** Prevents current from flowing back into the jump starter.
- **Over-Current Protection:** Safeguards against excessive current flow.
- **Over-Charge Protection:** Prevents battery overcharging.
- **Reverse-Polarity Protection:** Alerts and protects against incorrect clamp connections.
- **High-Temperature Protection:** Shuts down if internal temperature exceeds safe limits.
- **Low-Temperature Protection:** Ensures safe operation in cold conditions.
- **Short-Circuit Protection:** Prevents damage from short circuits.
- **Over-Voltage Protection:** Protects against excessive voltage.
- **Over-Load Protection:** Prevents damage from drawing too much power.

Figure 10: Advanced Safety Technologies

7. MAINTENANCE

To ensure the longevity and optimal performance of your VTOMAN V10 Pro Jump Starter:

- Store the unit in its provided storage case when not in use.
- Recharge the unit periodically, even if not used, to maintain battery health. The unit has a 24-month long standby time, but regular checks are recommended.
- Keep the unit clean and dry. Avoid exposure to extreme moisture or direct sunlight for prolonged periods.

Figure 11: 24-Month Standby Time

8. TROUBLESHOOTING

Refer to the LED indicator on the smart jumper cable for common issues:

LED Indicator	Operation
Green LED (solid)	The connection is correct, you can start the vehicle directly.
Red LED	Reverse connection, please correct the polarity of battery clamps.
Green LED (blinks)	The vehicle battery voltage is too low. Try to press "BOOST" button. When Green LED illuminates (solid), then start the vehicle within 30s.
No Light	The vehicle battery may be damaged. First of all, make sure the correct connection. Try to press "BOOST" button. When Green LED illuminates (solid), then start the vehicle within 30s.

9. SPECIFICATIONS

Feature	Specification
Model Number	JS-391
Peak Output Current	4500 Amps
Battery Cell Composition	Lithium Polymer
Voltage	12 Volts
Product Dimensions	1.3"D x 2.6"W x 8.8"H
Item Weight	0.45 Kilograms (15.8 ounces)
USB-C Input/Output	5V/3A 15W
USB-A Output 1	5V/2.4A
USB-A Output 2 (Quick Charge)	5V/9V/12V
DC Output	15V/10A
Flashlight	LED (3 modes: Solid, Strobe, SOS)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)

10. WARRANTY AND SUPPORT

The VTOMAN V10 Pro Jump Starter comes with an 18-month warranty and lifetime technical support. For any questions or assistance, please contact our dedicated customer service team.
Contact Information:

- Email: support@vtoman.com

Additional support resources may be available on the official VTOMAN website.

Official Product Videos

VTOMAN V10 Pro 4500A Portable Jump Starter Overview

Your browser does not support the video tag. This video provides an overview of the VTOMAN V10 Pro 4500A Portable Jump Starter, demonstrating its features and capabilities.

This video provides an overview of the VTOMAN V10 Pro 4500A Portable Jump Starter, demonstrating its features and capabilities.

Most Powerful Jump Starter & Battery Bank - VTOMAN V10 Pro

Your browser does not support the video tag. This video highlights the VTOMAN V10 Pro as a powerful jump starter and versatile battery bank.

This video highlights the VTOMAN V10 Pro as a powerful jump starter and versatile battery bank.