

VTOMAN JS-391

VTOMAN V10 Pro 4500A Portable Jump Starter Instruction Manual

Brand: VTOMAN | Model: JS-391

1. INTRODUCTION

The VTOMAN V10 Pro 4500A Portable Jump Starter is a versatile device designed to jump-start 12V vehicles, including all gasoline engines and diesel engines up to 10.0 liters. Beyond its primary function, it also serves as a power bank for charging electronic devices and features an integrated LED light 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 with smart clamps and carrying case.

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.

2.1 Built-in Safety Protections

The VTOMAN V10 Pro is equipped with 10 advanced safety technologies to ensure user safety and prevent damage to the device or vehicle:

- **Spark-Proof Protection:** Prevents sparks during connection.
- **Reverse-Polarity Protection:** Alerts to incorrect battery terminal connections.
- **Over-Current Protection:** Safeguards against excessive current flow.
- **Over-Charge Protection:** Prevents battery overcharging.
- **Over-Voltage Protection:** Protects against voltage surges.
- **Over-Load Protection:** Prevents damage from excessive load.
- **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.
- **Reverse-Charge Protection:** Prevents current from flowing back into the jump starter.



Figure 2: Visual representation of the 10 advanced safety technologies.

2.2 General Precautions

- Do not operate the jump starter if it is damaged.
- Keep out of reach of children.
- Do not immerse the unit in water.
- Do not disassemble the unit.
- Use only the provided smart jumper cables.
- Ensure proper ventilation during use.

3. PRODUCT OVERVIEW

The VTOMAN V10 Pro is a compact and powerful device. Familiarize yourself with its components:

- **Main Unit:** The portable power pack with integrated display and ports.
- **Smart Jumper Cables:** Red (positive) and Black (negative) clamps with an intelligent indicator.
- **USB-C to USB-C Cable:** For charging the jump starter and other devices.
- **USB-A to USB-C Cable:** For charging the jump starter and other devices.
- **Carrying Box:** For convenient storage and transport.
- **User Manual:** This document.



Figure 3: VTOMAN V10 Pro Jump Starter and included accessories.

3.1 Ports and Indicators

- **Jump Start Socket:** For connecting the smart jumper cables.
- **Indicator Switch:** Displays battery level.
- **USB-C Input (Output) Port (PD15W):** For charging the jump starter or external devices.
- **Dual USB-A Quick Charging Outputs:** For charging external devices.
- **15V/10A DC Output Port:** For powering 12V accessories.
- **LED Flashlight:** Multi-mode illumination.



Figure 4: Detailed view of the VTOMAN V10 Pro ports and indicators.

4. CHARGING THE VTOMAN V10 Pro

Ensure your jump starter is fully charged before use. A full charge takes approximately 5 hours.

4.1 Charging at Home

Connect the provided USB-C cable to the USB-C Input (Output) Port on the jump starter and plug the other end into a compatible USB wall adapter (not included).



Figure 5: Charging the jump starter using a wall adapter.

4.2 Charging in Car

You can also charge the jump starter using a car charger (not included) by connecting it to the USB-C Input (Output) Port.



Figure 6: Charging the jump starter in a car.

5. OPERATING INSTRUCTIONS

5.1 Jump Starting a Vehicle (Regular Mode)

1. Insert the smart jumper cable into the jump start socket on the V10 Pro.
2. Connect the red clamp to the positive (+) terminal of the vehicle battery.
3. Connect the black clamp to the negative (-) terminal of the vehicle battery.
4. Ensure the indicator light on the smart clamp is solid green, indicating a correct connection. If it's a red light, check connections.
5. Start your vehicle's engine.
6. Once the vehicle starts, immediately remove the smart clamps from the vehicle battery, then disconnect the smart cable from the jump starter.



Figure 7: Regular mode jump starting process.

5.2 Using the Boost Function (For Totally Dead Batteries)

If your vehicle battery is completely dead or the voltage is too low to detect, use the Boost function:

1. Follow steps 1-3 from "5.1 Jump Starting a Vehicle".
2. If the indicator light is flashing green, press and hold the "BOOST" button on the smart clamp for 3 seconds until it turns solid green.
3. Start your vehicle's engine within 30 seconds.

4. Once the vehicle starts, immediately remove the smart clamps from the vehicle battery, then disconnect the smart cable from the jump starter.



Figure 8: Boost mode jump starting process for completely dead batteries.

5.3 Using as a Power Bank

The V10 Pro can charge various electronic devices:

- **USB-C/PD15W Output:** Connect your USB-C compatible devices for fast charging.
- **Dual USB-A Quick Charging Outputs:** Connect your USB-A compatible devices for quick charging.
- **15V/10A DC Output:** Power 12V accessories like air compressors or car refrigerators.



Figure 9: The V10 Pro functioning as a versatile power bank.

5.4 Using the LED Flashlight

The integrated LED flashlight offers multiple modes for different situations:

- **Normal Mode:** Provides steady illumination.
- **Strobe Mode:** Flashing light for signaling.
- **SOS Mode:** International distress signal.

To activate, press the flashlight button. Cycle through modes by pressing the button again.



Figure 10: The V10 Pro's LED flashlight with various modes.

6. SPECIFICATIONS

Feature	Detail
Model	JS-391
Peak Current	4500 Amps
Voltage	12 Volts
Engine Compatibility	All Gasoline Engines, up to 10.0L Diesel Engines
Battery Type	Lithium Polymer
Standby Time	Up to 24 Months
Operating Temperature	-4°F to 140°F (-20°C to 60°C)

Dimensions	4.1 x 10.2 x 22 cm
Weight	500 g
Input (Charging)	USB-C/PD15W
Output (Charging)	USB-C/PD15W, Dual USB-A Quick Charging, 15V/10A DC

7. TROUBLESHOOTING

If you encounter issues with your VTOMAN V10 Pro, refer to the following common problems and solutions:

- **Jump Starter Does Not Turn On:** Ensure the device is charged. If the battery is completely depleted, it may require a few minutes of charging before it can power on.
- **Smart Clamp Indicator Shows Red Light:** This indicates an incorrect connection. Check that the red clamp is connected to the positive (+) terminal and the black clamp to the negative (-) terminal of the vehicle battery. Ensure clamps are securely attached.
- **Vehicle Does Not Start After Connecting:**
 - Confirm the jump starter has sufficient charge.
 - Verify all connections are secure and correct.
 - If the vehicle battery is totally dead, use the Boost function as described in Section 5.2.
 - The vehicle battery may be severely damaged and require replacement.
- **External Devices Not Charging:** Ensure the V10 Pro has sufficient charge. Check that the charging cables are properly connected to both the jump starter and the external device.

8. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the lifespan of your VTOMAN V10 Pro:

- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Charging:** For optimal battery health, fully charge the device every 3-6 months, even if not in use. The device maintains a charge for up to 24 months.
- **Storage:** Store the jump starter in its carrying box in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- **Temperature:** Avoid storing or operating the device in extreme temperatures outside the recommended range of -4°F to 140°F.

9. WARRANTY AND SUPPORT

VTOMAN is committed to providing high-quality products and customer satisfaction.

- **Warranty:** The VTOMAN V10 Pro comes with an 18-month warranty.
- **Money-Back Guarantee:** Enjoy a 30-day money-back guarantee for any reason.
- **Technical Support:** Lifetime technical support is available for all VTOMAN products.
- **Customer Service:** Expect a quick reply within 24 hours for any inquiries.

For further assistance or to claim warranty, please contact VTOMAN customer support through the official website or your purchase platform.

10. PRODUCT VIDEO

Your browser does not support the video tag.

Video: "Serious Power, Serious Value - VTOMAN V10 Jump Starter" - This video demonstrates the key features and benefits of the VTOMAN V10 Jump Starter, including its powerful jump-starting capabilities, versatility as a power bank, and integrated safety features. It shows the product in action, highlighting its ease of use and robust design.