LOKITHOR J401

LOKITHOR J401 Car Battery Jump Starter User Manual

Model: J401

1. Introduction

The LOKITHOR J401 is a powerful and portable car battery jump starter designed to provide emergency starting power for a wide range of vehicles. With a peak current of 2500A, it is suitable for gasoline engines up to 8.5L and diesel engines up to 6.5L. Beyond jump starting, the J401 also functions as a high-efficiency power bank and an LED light source, making it a versatile tool for automotive emergencies and outdoor activities.



Image: The LOKITHOR J401 jump starter, highlighting its compatibility with 8.5L gas and 6.5L diesel engines.

2. Safety Information

Your safety is paramount. Please read and understand all safety warnings and instructions before using the LOKITHOR J401. This device incorporates an Intelligent Battery Management System and multiple protection features to ensure safe operation.

2.1 Key Safety Protections

- **Spark-Proof Protection:** Prevents sparks during connection.

- **Reverse-Charge Protection:** Protects against current flowing back into the jump starter.
- **Over-Charge Protection:** Prevents overcharging of the internal battery.
- **Over-Current Protection:** Safeguards against excessive current draw.
- **Short-Circuit Protection:** Automatically shuts off in case of a short circuit.
- **Reverse-Polarity Protection:** Prevents damage from incorrect clamp connection.
- **Low-Temp Protection:** Ensures safe operation in cold conditions.
- **High-Temp Protection:** Prevents overheating of the device.
- **Over-Voltage Protection:** Protects against excessive voltage input.
- **Over-Load Protection:** Prevents damage from excessive load.



Image: An illustration of the LOKITHOR J401's internal safety features, including reverse-polarity protection, spark-proof design, and IP65 water resistance.



Image: A visual representation of the ten comprehensive safety protections integrated into the LOKITHOR J401 jump starter.

3. Setup

3.1 Package Contents

Verify that all items are present in the package:

- J401 Portable Lithium Car Battery Jump Starter
- LO-CLAMP-Pro (Jumper Cables)
- 12V Adapter (Cigarette Lighter Adapter)
- User Manual
- USB-C to USB-C Cable

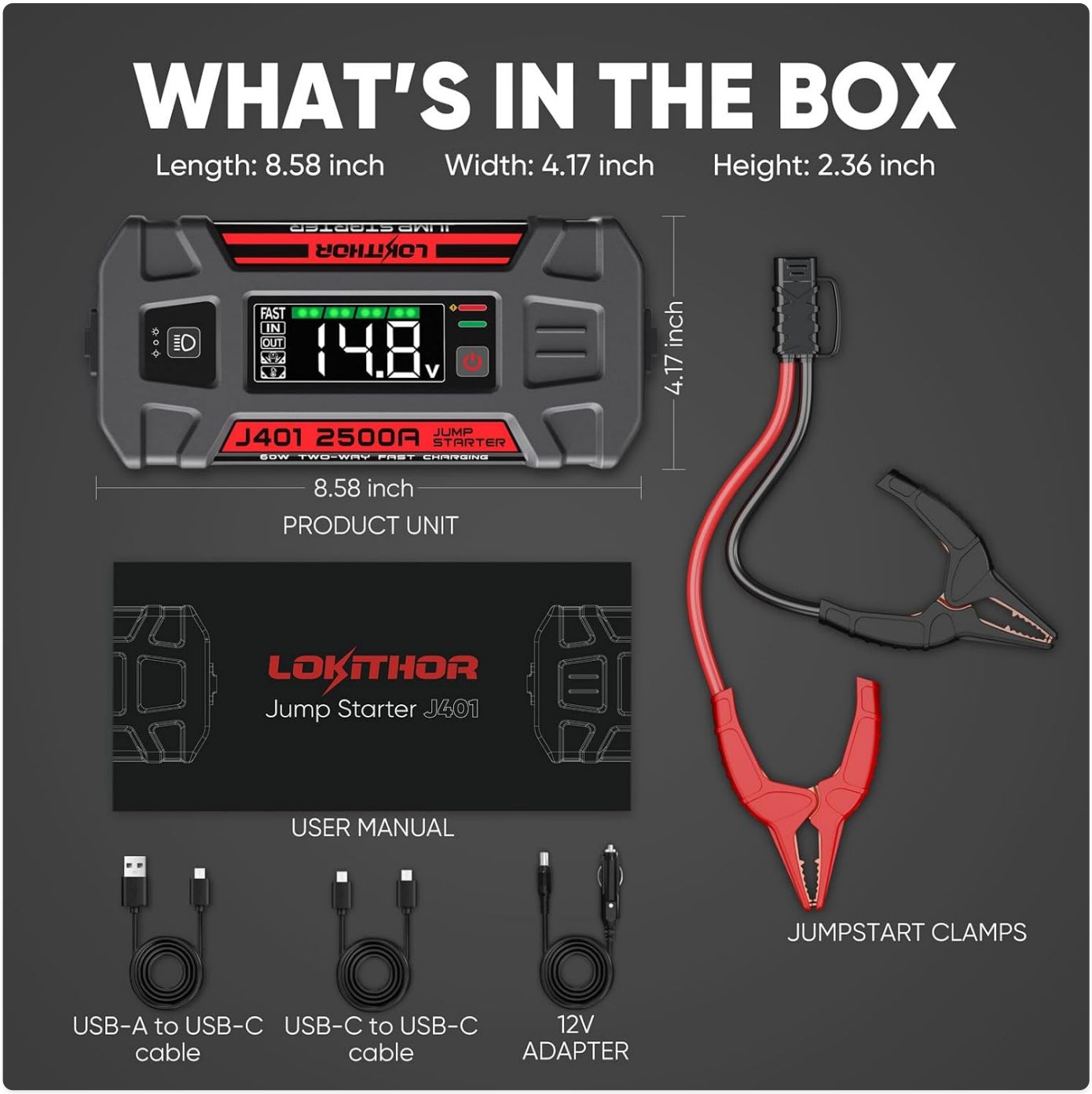


Image: A detailed view of all items included in the LOKITHOR J401 product box, including the jump starter, cables, and adapters.

3.2 Product Overview

Familiarize yourself with the main components of the J401 jump starter:

- **Main Unit:** Houses the battery, control panel, and ports.
- **Jumper Cable Port:** For connecting the LO-CLAMP-Pro.
- **USB-C Input/Output Port:** For charging the device and charging external devices.
- **USB-A Output Port:** For charging external devices.
- **DC Input Port:** For charging the device via the 12V adapter.
- **LED Light:** Integrated flashlight with multiple modes.
- **Digital Screen:** Displays battery voltage, charge status, and other indicators.



Image: The LOKITHOR J401 Car Battery Jump Starter, showcasing its compact design and included cables.



Image: A close-up view of the LOKITHOR J401's large digital screen, displaying battery voltage and charging indicators.



Image: The 3.95-inch ergonomic control panel of the LOKITHOR J401, designed for easy real-time data observation.

4. Charging the Device

Before first use, fully charge the J401. The device supports 60W two-way fast charging.

4.1 Charging Methods

- **USB-C Charging:** Use the provided USB-C to USB-C cable with a PD protocol compatible charger (not included) for fastest charging. A full charge can take as little as 45 minutes.
- **12V Adapter Charging:** Use the included 12V adapter to charge the J401 from your vehicle's cigarette lighter socket while driving.



Image: The LOKITHOR J401 highlighting its 60W fast charging capabilities, showing USB-C and DC input/output ports.



Image: The LOKITHOR J401 being charged inside a car using the 12V adapter, demonstrating convenient charging while driving.



Image: The LOKITHOR J401 connected to a car's cigarette lighter adapter for convenient charging on the go.



Image: A graphic illustrating the 60W two-way fast charging capability of the LOKITHOR J401, including a table of recharge times at different wattages.

5. Operating Instructions

5.1 Jump Starting a Vehicle

Ensure the J401 is sufficiently charged before attempting to jump start a vehicle.

1. **Connect Clamps:** Attach the red (+) clamp to the positive (+) terminal of the vehicle's battery and the black (-) clamp to the negative (-) terminal.
2. **Check Indicator:** The J401's screen will display the battery voltage.
3. **Normal Start (Battery Voltage > 8V):** If the voltage is above 8V, the green indicator will flash. Proceed to start your car.
4. **Boost Mode (Battery Voltage < 8V or Completely Dead):** If the voltage is below 8V or the battery is completely exhausted, press and hold the 'power' button and the 'LED' button simultaneously to activate Boost Mode. The screen will indicate Boost Mode is active.
5. **Start Vehicle:** Once the appropriate mode is active, start your car.
6. **Disconnect:** After the car starts, disconnect the clamps from the car battery within 30 seconds.



Image: The LOKITHOR J401 jump starter connected to a car battery, demonstrating its ability to start flat batteries.



Image: A step-by-step guide showing how to use the LOKITHOR J401 for both normal starts (voltage > 8V) and boost mode starts (voltage < 8V).



Image: The LOKITHOR J401 demonstrating its capability to jump start various 12V vehicles, including cars, motorcycles, and trucks.

5.2 Using the LED Light

The J401 features a powerful 300 Lumen LED light with multiple modes for various situations:

- **Flashlight Mode:** Provides continuous illumination.
- **Strobe Light Mode:** For signaling or attracting attention.
- **SOS Light Mode:** Emits an SOS signal for emergency situations.

Refer to the device's buttons for cycling through the light modes.



Image: The LOKITHOR J401's 300 Lumen LED light illuminating a dark area, highlighting its SOS, Flash, and Constant modes.



Image: A graphic detailing the three modes of the LOKITHOR J401's 300 lumens LED light: Flashlight, SOS, and Strobe.

5.3 Using as a Power Bank

The J401 can charge your electronic devices with its 20000mAh capacity and 60W output power.

- **USB-C Output (60W Max):** For fast charging compatible devices like smartphones, tablets, and laptops.
- **USB-A Output (18W Max):** For charging various USB-powered devices.

Connect your device using the appropriate USB cable to the J401's output ports.



Image: The LOKITHOR J401 simultaneously charging a tablet and a laptop, illustrating its versatility as a portable power bank for various electronic devices.

6. Maintenance

To ensure the longevity and optimal performance of your LOKITHOR J401, follow these maintenance guidelines:

- **Regular Charging:** Charge the device before first use. To extend battery service life, charge the device every three months, even if not in use.
- **Storage:** Store the J401 in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Durability:** The J401 features a rugged build enclosure rated IP65 water-resistant and 94V0 flame retardant,

designed to withstand extreme environments from -4°F to 140°F.



Image: The LOKITHOR J401 stored in a car trunk, emphasizing its impressive 36-month standby time due to its ultra-low self-discharge rate.



Image: A visual representation highlighting the LOKITHOR J401's ultra-long 36-month standby time, ideal for emergency preparedness.



Image: A split image showcasing the LOKITHOR J401's durability through 3000+ drop tests and its IP65 waterproof rating.

7. Troubleshooting

If you encounter issues with your LOKITHOR J401, refer to the following common troubleshooting tips:

- **Device Not Turning On:** Ensure the device is charged. If the battery is completely depleted, it may take a few minutes of charging before the screen activates.
- **Vehicle Not Starting:**
  - Check that the clamps are securely connected to the correct battery terminals (red to positive, black to negative).
  - Ensure the J401 has sufficient charge.
  - If the car battery voltage is very low (<8V), activate Boost Mode as described in Section 5.1.
  - Check for any error messages on the J401's digital screen.
- **Charging Issues:**
  - Verify that the charging cable and adapter are properly connected.
  - Ensure the power source (wall outlet or car cigarette lighter) is functional.

- If using USB-C, ensure your charger supports PD protocol for optimal charging speed.

- **LED Light Not Working:** Check if the device is powered on and cycle through the light modes to ensure proper selection.

For persistent issues, please contact LOKITHOR customer support.

8. Specifications

Feature	Specification
Brand	LOKITHOR
Model	J401
Peak Output Current	2500 Amps
Engine Compatibility	Up to 8.5L Gas / 6.5L Diesel Engines
Battery Capacity	20000mAh (Internal Lithium Polymer)
Charging Power	60W Two-Way Fast Charging (USB-C, DC Input)
USB-A Output	18W Max
LED Light	300 Lumens (Flashlight, Strobe, SOS)
Product Dimensions	9.45"W x 4.19"D x 2.36"H
Item Weight	2.35 Pounds
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Water Resistance	IP65
Flame Retardant Rating	94V0



Image: The LOKITHOR J401 jump starter unit with its attached jumper cables, ready for use.



Image: The compact design of the LOKITHOR J401, demonstrating its ease of carrying and storage in various locations like a glove compartment or backpack.

9. Warranty and Support

LOKITHOR provides comprehensive support for its products.

- **Warranty:** The LOKITHOR J401 comes with an 18-Months Warranty.
- **Service Support:** Life-time service support is available. For any quality issues or assistance, please contact LOKITHOR customer service for an immediate replacement or resolution.

Contact information for support can typically be found on the LOKITHOR official website or through your purchase platform.

© 2023 LOKITHOR. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question