LOKITHOR J401

LOKITHOR J401X Portable Jump Starter User Manual

1. INTRODUCTION

The LOKITHOR J401X is a powerful and versatile portable jump starter designed to provide emergency power for vehicles and electronic devices. It features advanced auto-heating technology for extreme cold conditions, fast charging capabilities, and multiple safety protections.

This image displays the LOKITHOR J401X jump starter unit, showcasing its compact design, attached jump starter clamps, and various charging cables including USB-C to USB-C, USB-A to USB-C, and a 12V adapter.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- LOKITHOR J401X Portable Lithium Car Battery Jump Starter
- LO-CLAMP-Pro (Jumpstart Clamps)
- 12V Adapter
- User Manual
- USB-C to USB-C Cable
- USB-A to USB-C Cable

WHAT'S IN THE BOX

PRODUCT UNIT

USB-C to USB-C cable

USB-A to USB-C cable

12V ADAPTER

JUMPSTART CLAMPS

USER MANUAL

This image illustrates the complete contents of the LOKITHOR J401X package, including the main unit, jumpstart clamps, 12V adapter, USB-C to USB-C cable, USB-A to USB-C cable, and the user manual.

3. PRODUCT FEATURES

- **Powerful Performance:** 2500A peak starting current, capable of up to 60 jump-starts on a full charge. Suitable for gasoline engines under 8.5L and diesel engines under 6.5L.

- **Auto-Heating Technology:** Integrated automatic pre-heating for reliable starting in temperatures as low as -40°F (-40°C).

- **Fast Charging:** 100W two-way USB-C fast charging allows full recharge in approximately 45 minutes, or a 3-minute charge for a single jump start.

- **Power Bank Functionality:** Provides 100W USB-C output and 18W USB-A output for charging phones, tablets, laptops, and other electronic devices.

- **Extended Standby Time:** Ultra-low self-discharge rate provides up to 42 months of standby time.

- **Durable Design:** Rugged IP65 water-resistant and 94V0 flame-retardant polymer casing, designed to withstand drops and operate in extreme environments from -40°F to 140°F.

- **Multi-purpose LED Flashlight:** 300 lumen LED light with Lightning, SOS, and Strobe modes for various emergency and utility uses.

- **Ergonomic Control Panel:** 3.95-inch digital display shows battery levels, operation status, and error

codes.

3.1. Auto-Heating Technology

The J401X features an automatic pre-heating system that activates when the ambient temperature drops below -5°F (-20°C), ensuring optimal performance in cold weather.

This image shows the LOKITHOR J401X jump starter connected to a car battery in a snowy environment, highlighting its auto-heating technology for cold weather operation.

3.2. Control Panel

The 3.95-inch ergonomic control panel provides clear visual feedback on the device's status.

This image provides a close-up of the J401X's control panel, detailing indicators for fast charge, charging status, USB-A/USB-C output, abnormal temperature, battery level, digital voltage display, abnormal alarm, and the power button.

3.3. Durability and Design

The J401X is constructed with a robust polymer casing that has been tested to withstand over 3000 drops. Its IP65 rating ensures resistance to water and dust.

This image highlights the IP65 waterproof and dust-resistant design of the LOKITHOR J401X, showing water splashing on the unit.

3.4. LED Flashlight

The integrated 300 lumen LED flashlight offers multiple modes for various situations.

This image shows the LOKITHOR J401X jump starter being used as a light source during camping, demonstrating its utility as an emergency light.

4. Safety Information

The LOKITHOR J401X incorporates an intelligent battery management system with 10 safety protection technologies to ensure safe operation.

- Spark-Proof Protection
- Reverse-Charge Protection
- Over-Charge Protection
- Over-Current Protection
- Short-Circuit Protection
- Reverse-Polarity Protection
- Low-Temp Protection
- High-Temp Protection
- Over-Voltage Protection
- Over-Load Protection

This diagram visually represents the 10 safety protection technologies integrated into the LOKITHOR J401X, including spark-proof, reverse-charge, over-charge, over-current, short-circuit, reverse-polarity, low-temp, high-temp, over-voltage, and over-load protection.

The integrated spark-proof design prevents short circuits during storage and use, enhancing overall safety.

This image highlights the integrated spark-proof design of the jump starter clamps, emphasizing safety features that prevent short circuits.

5. SETUP

5.1. Initial Charging

Before first use, fully charge the LOKITHOR J401X. Connect the USB-C to USB-C cable to a compatible 100W USB-C power adapter (not included) and the device. The digital display will indicate charging progress.

5.2. Checking Battery Level

Press the power button once to check the current battery level on the digital display. Ensure sufficient charge before attempting to jump start a vehicle.

6. OPERATING INSTRUCTIONS

6.1. Jump Starting a Vehicle

Ensure the vehicle's ignition is off and all accessories are unplugged. Connect the jump starter clamps to the vehicle battery terminals correctly: red clamp to positive (+), black clamp to negative (-).

This image shows the LOKITHOR J401X jump starter connected to a car battery, illustrating the process of jump starting a vehicle.

Normal Start (Battery Voltage > 8V)

1. Attach the red clamp to the positive (+) terminal and the black clamp to the negative (-) terminal of the vehicle battery.
2. The green indicator on the jump starter will flash.
3. Start your car.

Force Start (Battery Voltage < 8V)

1. Attach the red clamp to the positive (+) terminal and the black clamp to the negative (-) terminal of the vehicle battery.
2. Long press the power button and the LED button simultaneously until the green indicator is solid.
3. Start your car.

This image provides a step-by-step visual guide for both normal voltage jump starting and force starting a vehicle with the LOKITHOR J401X.

6.2. Charging the J401X

The J401X supports 100W two-way fast charging via its USB-C port. It can also be charged using the included 12V adapter in a vehicle.

This image demonstrates the fast charging capability of the LOKITHOR J401X via its USB-C port, showing a full charge in 45 minutes.
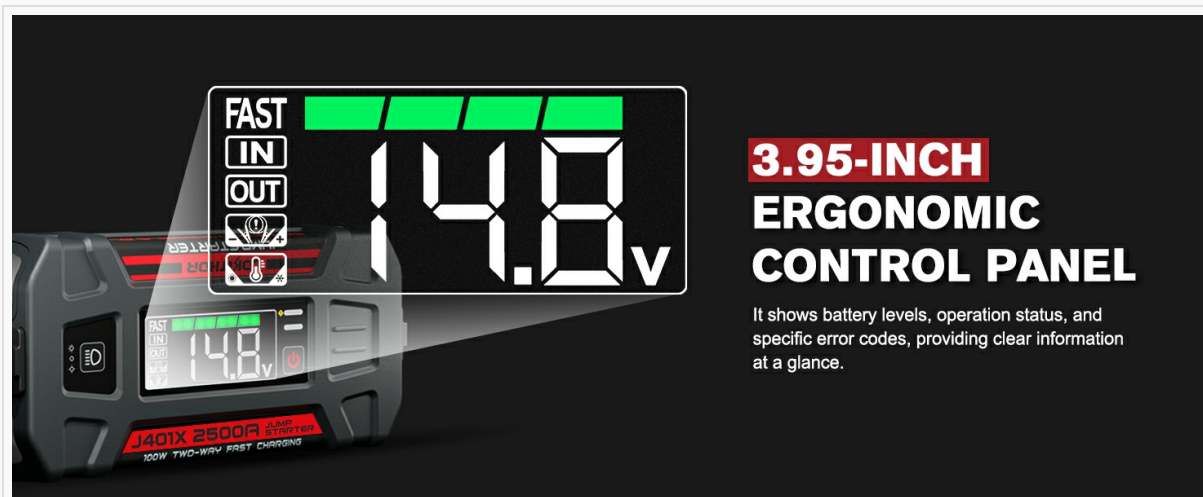

This image illustrates how to charge the LOKITHOR J401X using the 12V adapter in a car, allowing for convenient charging on the go.

6.3. Using as a Power Bank

The J401X can charge external devices via its USB-C (100W max) and USB-A (18W max) output ports.

This image shows the LOKITHOR J401X functioning as a power bank, simultaneously charging a smartphone via USB-C and a tablet via USB-A.

This image highlights the dual output capabilities of the LOKITHOR J401X, featuring both USB-C (100W max) and USB-A (18W max) ports for charging two devices simultaneously.

6.4. Using the LED Flashlight

Press the LED button to cycle through the flashlight modes: Lightning, SOS, and Strobe. This feature is useful for emergencies, camping, or general illumination.

This image illustrates the 300 lumen multi-purpose LED flashlight of the LOKITHOR J401X, showcasing its lightning, SOS, and strobe modes for various uses including camping, outdoors, indoors, emergencies, and travel.

7. MAINTENANCE

7.1. Recharging

To maintain optimal battery health and readiness, it is recommended to recharge the J401X every 3-6 months, even if not in use. This ensures the device is ready for emergencies.

7.2. Storage

Store the device in a cool, dry place away from direct sunlight and extreme temperatures. The J401X boasts an impressive 42-month standby time due to its low self-discharge rate.

This image highlights the LOKITHOR J401X's ultra-long 42-month standby time, indicating its ability to retain charge for extended periods.

8. TROUBLESHOOTING

The LOKITHOR J401X is designed with self-inspection capabilities and can display up to 16 error codes to

assist in diagnosing issues. Refer to the specific error code definitions in the full user manual for detailed troubleshooting steps.

This image shows the LOKITHOR J401X's digital display indicating an error code, illustrating its self-inspection feature for troubleshooting.

Common Issues:

- **Device not turning on:** Ensure the battery is charged. If completely depleted, connect to a power source for a few minutes before attempting to power on.
- **Not charging:** Verify that the charging cable and adapter are properly connected and functional. Try a different power source.
- **Vehicle not starting:** Check clamp connections for proper polarity and secure contact. Ensure the jump starter has sufficient charge. If the vehicle battery is severely discharged, use the Force Start function.

9. SPECIFICATIONS

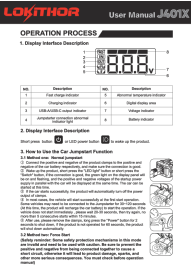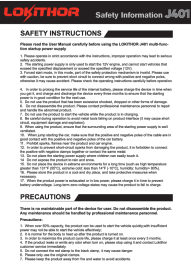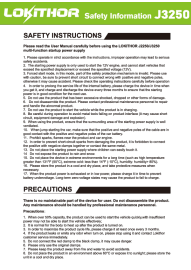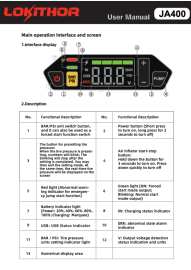| Attribute	Specification
Brand	LOKITHOR
Model	J401
Peak Output Current	2500 Amps
Engine Compatibility	Up to 8.5L Gas / 6.5L Diesel
Product Dimensions	4.19"D x 9.45"W x 2.36"H
Item Weight	1065 Grams (2.35 pounds)
Battery Type	Lithium Polymer
Charging	100W Two-Way Fast Charge (USB-C)
Output Ports	USB-C (100W max), USB-A (18W max)
LED Flashlight	300 Lumen (Lightning, Strobe, SOS)
Operating Temperature	-40°F to 140°F (-40°C to 60°C)

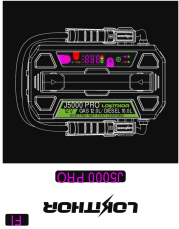| Attribute	Specification
Water Resistance	IP65 Rated
Flame Retardant Rating	94V0

10. WARRANTY AND SUPPORT

The LOKITHOR J401X Portable Lithium Car Battery Jump Starter comes with a 12-month warranty. LOKITHOR also provides life-time service support for this product.

For warranty claims, technical assistance, or any inquiries, please refer to the contact information provided in the official LOKITHOR documentation or visit the LOKITHOR website.

Related Documents - J401

LOKITHOR J401X Car Jump Starter User Manual: Operation, Jumpstart, Voltmeter, Charging, and LED Guide

Official user manual for the LOKITHOR J401X car jump starter. Provides detailed instructions on its operation process, including jumpstarting a car (normal and force start methods), using the voltmeter function, charging the device via USB-C or cigarette lighter, charging mobile phones, and operating the LED light. Features interface descriptions and safety guidelines.

LOKITHOR J401 Jump Starter: Safety, Precautions, and Warranty

This document provides essential safety instructions, precautions, handling and recycling guidelines, and warranty information for the LOKITHOR J401 multi-function startup power supply and car jump starter.

LOKITHOR J3250 Jump Starter: Safety, Precautions, and Warranty Information

Detailed safety instructions, operating precautions, handling and recycling guidelines, and warranty terms for the LOKITHOR J3250 multi-function startup power supply. Learn how to safely use and maintain your LOKITHOR J3250.

LOKITHOR JA400 Jump Starter and Air Compressor User Manual

Comprehensive user manual for the LOKITHOR JA400 1750A 12V Jump Starter with Air Compressor. Learn how to power up, jump-start vehicles, use the voltmeter, and operate the tire inflator. Includes detailed instructions and safety information.

[Lokithor J5000 PRO 12V Jump Starter User Manual](#)

Comprehensive user manual for the Lokithor J5000 PRO 12V portable jump starter, covering safety instructions, features, specifications, operation, error codes, and warranty information.

[LOKITHOR J2250 User Manual: Car Jump Starter Operation and Charging Guide](#)

Comprehensive user manual for the LOKITHOR J2250 car jump starter. Learn how to jumpstart a vehicle, use the voltmeter function, charge the device, charge your phone, and operate the LED light. Includes detailed operational processes and safety instructions.