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› LOKITHOR JA302 2500Amp Jump Starter with 150PSI Air Compressor User Manual

LOKITHOR JA302

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Model: JA302

INTRODUCTION

The LOKITHOR JA302 is a versatile 4-in-1 automotive emergency tool designed to provide reliable assistance in various situations. It functions as a powerful jump starter, a smart tire inflator, a portable power bank, and an integrated LED flashlight. This manual provides essential instructions for safe and effective operation, maintenance, and troubleshooting.

PACKAGE CONTENTS

Upon opening your LOKITHOR JA302 package, please verify that all the following items are included:

- LOKITHOR JA302 Multi-function Vehicle Emergency Starter x1
- Jump Starter Clamps x1
- Inflatable Hose x1
- Nozzle Adapters x4
- USB-C Cable x1
- Accessories Storage Bag x1
- User Manual x1

WHAT'S IN THE BOX

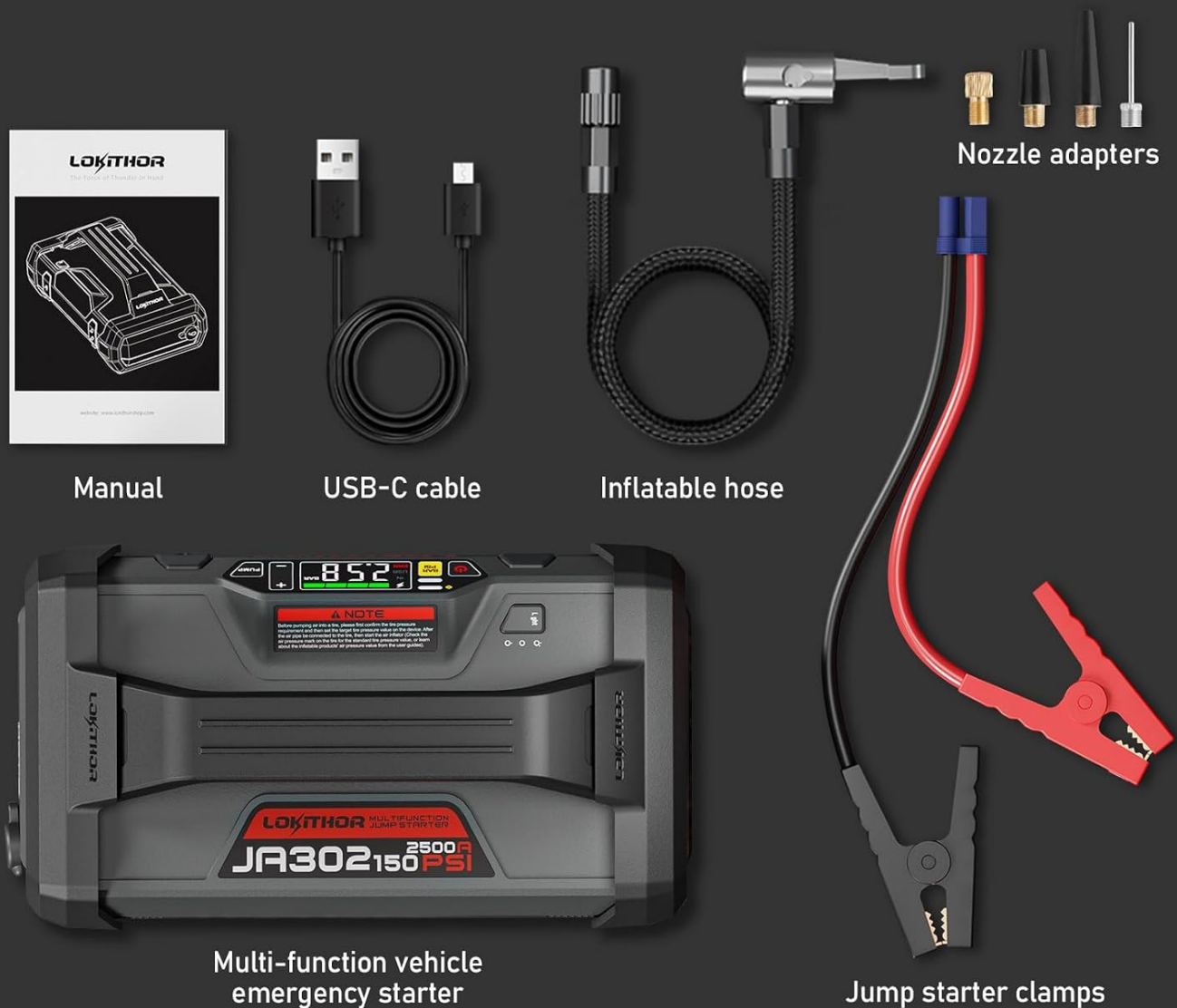


Figure 1: Contents of the LOKITHOR JA302 package. Ensure all listed items are present.

SETUP AND INITIAL CHARGING

Before first use, fully charge your LOKITHOR JA302 device. The device features a digital screen to indicate battery level.

Charging the JA302

1. Locate the USB-C input port on the device.
2. Connect the provided USB-C cable to the device and a compatible USB power adapter (not included).
3. The digital screen will display the charging status. Ensure the device is fully charged before initial use for optimal performance.

The JA302 has a very low standby power consumption of 0.21mAh, allowing for ultra-long standby times up to 1080 days once fully charged.

OPERATING INSTRUCTIONS

1. Jump Starting a Vehicle

The LOKITHOR JA302 provides 2500A starting power, capable of restarting gasoline engines under 8.5L and diesel engines under 6.5L. It can perform up to 50 starts on a single charge.

1. Ensure the JA302 is sufficiently charged.
2. Connect the red (+) clamp to the positive (+) terminal of the vehicle's battery.
3. Connect the black (-) clamp to the negative (-) terminal of the vehicle's battery or a suitable ground point on the vehicle chassis.
4. Press the power button on the JA302. The digital screen will display the battery voltage.
5. Start your vehicle's engine.
6. Once the engine starts, immediately disconnect the clamps from the vehicle battery, first the black (-) clamp, then the red (+) clamp.



Figure 2: Proper connection of jump starter clamps to a vehicle battery.

Video 1: Demonstrates the process of jump starting a car using the LOKITHOR JA302.

2. Tire Inflation

The JA302's digital air pump provides a maximum pressure of 150 PSI and an airflow of 35L/Min. It supports tire-pressure detection, preset values stopping, and unit switching (BAR/PSI).

1. Screw the inflatable hose onto the air output port of the JA302.

2. Attach the other end of the inflatable hose to the tire valve stem. Ensure a secure connection.
3. The digital screen will display the current tire pressure.
4. Use the '+' and '-' buttons to set your desired tire pressure.
5. Press the 'Pump' button to start inflation. The device will automatically stop once the preset pressure is reached.
6. Disconnect the hose from the tire valve and the JA302.



Figure 3: Using the LOKITHOR JA302 to inflate a car tire.

Video 2: Instructions on how to use the LOKITHOR JA302 air inflator for car tires.

3. Portable Power Bank

The JA302 supports fast charging/USB 3.0, with input/output specifications of 5V/3A and 9V/2A. It can charge smartphones, tablets, and other USB devices.

1. Open the protective cover for the USB output ports.
2. Connect your device's USB charging cable to the appropriate USB-A or USB-C output port on the JA302.
3. The JA302 will automatically begin charging your device.

PORTABLE POWER

Output: 5V/3A , 9V/ 2A Input: 5V/3A , 9V/ 2A



Figure 4: The LOKITHOR JA302 can charge multiple electronic devices.

4. LED Flashlight

The integrated 300-lumen LED flashlight has three lighting modes: constant lighting, flash, and SOS.

1. Press the flashlight button to turn on the constant lighting mode.
2. Press the button again to cycle through flash mode, SOS mode, and off.

300-LUMEN LED FLASHLIGHT

3 LIGHT MODES



SOS



FLASH



CONSTANT

CONSTANT
FLASH
SOS



Figure 5: The LOKITHOR JA302 features a 300-lumen LED flashlight with multiple modes.

SAFETY FEATURES AND PROTECTIONS

The LOKITHOR JA302 is equipped with a built-in BMS (Battery Management System) power management system and is UL-2743 listed, providing comprehensive protection for both the device and the user.

- **Short-Circuit Protection:** Prevents damage from accidental short circuits.
- **Over-Current Protection:** Safeguards against excessive current flow.
- **Reverse Connection Protection:** Protects against incorrect polarity connections.
- **Over-Heat Protection:** Monitors and prevents overheating during operation.
- **Over-Charging Protection:** Ensures safe charging and prevents battery overcharge.
- **Clip Falling Off Protection:** Alerts or prevents operation if clamps are not securely attached.

EXTREME SAFETY

Reverse-Polarity
Protection

| Spark-Proof

| IP63 Rating
Resistant

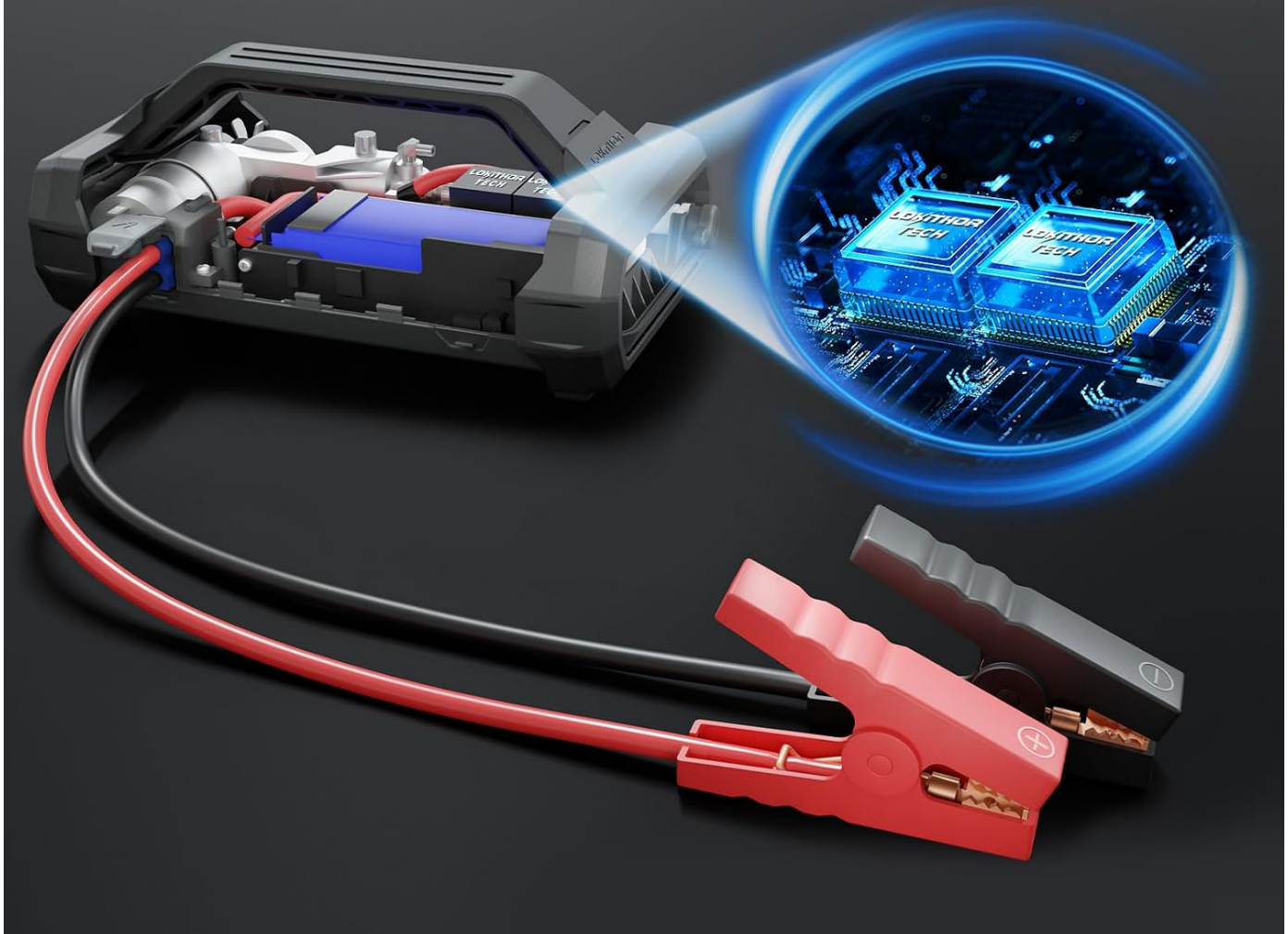
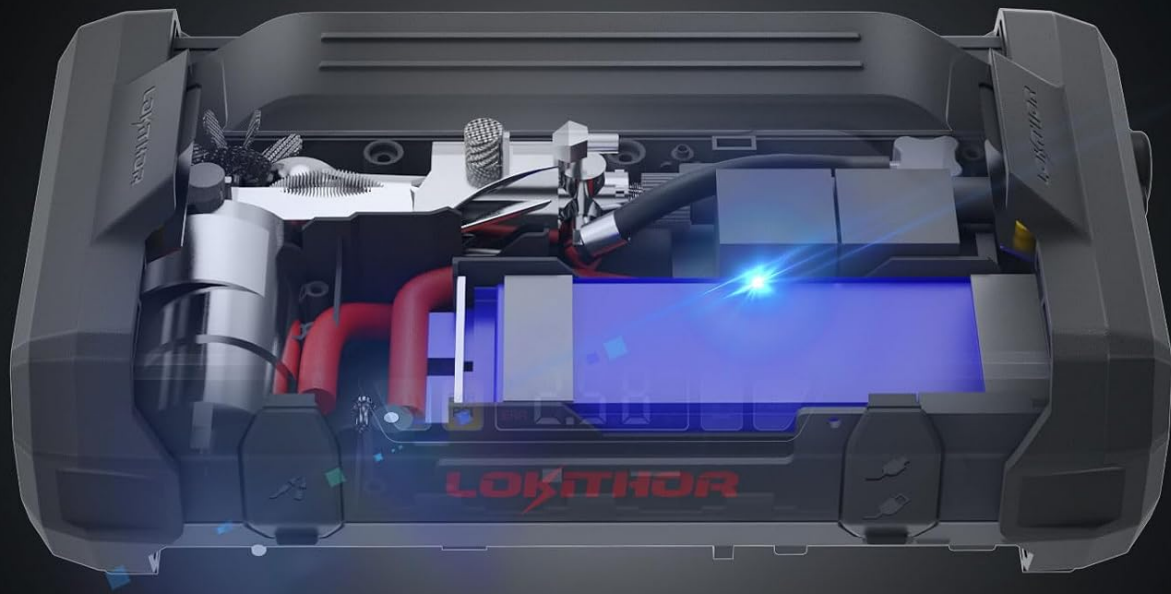


Figure 6: Extreme safety features of the LOKITHOR JA302.

BATTERY MANAGEMENT SYSTEM



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

Figure 7: Detailed view of the Battery Management System protections.

MAINTENANCE

To ensure the longevity and optimal performance of your LOKITHOR JA302, follow these maintenance guidelines:

- **Regular Charging:** Although the device has an ultra-long standby time, it is recommended to fully charge the unit every 3-6 months if not in regular use to maintain battery health.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided accessories storage bag for organized and protected storage.
- **Cleaning:** Wipe the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Heat Dissipation:** The unique heat dissipation design with 3 large air outlets (2 sides + 1 bottom) improves performance. Ensure these vents are not obstructed during use.

SPECIFICATIONS

Feature	Specification
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Brand	LOKITHOR
Model	JA302
Peak Output Current	2500 Amps
Engine Compatibility	Up to 8.5L Gas / 6.5L Diesel
Battery Capacity	23800mAh
Battery Cycle Life	More than 1000 cycles
Standby Time	Up to 1080 days
Air Compressor Max Pressure	150 PSI
Airflow	35L/Min
LED Flashlight Brightness	300 Lumens
USB Input/Output	5V/3A and 9V/2A
Safety Certifications	UL-2743 Listed, CE
Product Dimensions	4.06"D x 10"W x 5.59"H
Item Weight	3.31 pounds (1500 Grams)

WARRANTY AND SUPPORT

The LOKITHOR JA302 comes with a **12 Months Warranty** from the date of purchase. For any product inquiries, technical support, or warranty claims, please refer to the contact information provided in the included manual or visit the official LOKITHOR website.

ADDITIONAL INFORMATION

Video 3: Overview of the LOKITHOR JA Series Jump Starter with Air Compressor.

Video 4: LOKITHOR: The Force of Thunder in Hand - a general product showcase.

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Question

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Details

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

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