CARHEV JS-01

CARHEV 3000A Jump Starter User Manual

Model: JS-01

Brand: CARHEV

Introduction

The CARHEV 3000A Jump Starter is a versatile and powerful device designed to provide reliable jump-starting capabilities for a wide range of vehicles, including 12V cars, trucks, motorcycles, boats, and more. Beyond its primary function, it also serves as a portable power bank and features an integrated LED light for various utility purposes.

This manual provides essential information on the safe and effective use, maintenance, and troubleshooting of your CARHEV Jump Starter. Please read it thoroughly before operation.



Image: The CARHEV 3000A Jump Starter unit, smart jumper cables, USB cable, cigarette lighter socket, and storage case.

Safety Information

Always observe the following safety precautions to prevent injury or damage to the device and vehicle:

- Do not disassemble the jump starter.
- Keep out of reach of children.
- Do not expose to extreme temperatures (below -4°F or above 140°F).
- Avoid contact with water or other liquids. The device has an IP65 rating for dust and water resistance, but it is not fully submersible.
- Ensure proper polarity when connecting to a vehicle battery (red to positive, black to negative).
- Do not jump start a frozen battery.
- Remove the intelligent cables from the car battery immediately after starting the car.



Image: The jump starter unit with smart jumper cables, illustrating the advanced safety protection system.

Package Contents

Upon opening your CARHEV Jump Starter package, please verify that all the following items are included:

- CARHEV Jump Starter Unit

- Smart Jumper Cable
- USB to USB-C Cable
- Cigarette Lighter Socket
- User Manual (this document)
- Storage Case



Image: A visual representation of all items included in the CARHEV Jump Starter package.

Product Overview

Familiarize yourself with the various components and ports of your CARHEV Jump Starter:



Image: Detailed diagram highlighting the Power Button, LED Display, 5V/2.1A Output, Jump Starter Socket, 5V/2A Input, 9V/2A QC3.0 Output, 12V/10A Output, LED Flashlight, and Compass.

- **Power Button:** Activates the device and cycles through LED light modes.

- **LED Display:** Shows battery charge level and operational status.
- **USB Outputs (5V/2.1A, 9V/2A QC3.0):** For charging mobile devices.
- **Jump Starter Socket:** Connects to the smart jumper cable.
- **USB-C Input (5V/2A):** For recharging the jump starter unit.
- **12V/10A DC Output:** Powers 12V DC equipment like tire inflators.
- **LED Flashlight:** Provides illumination with multiple modes.
- **Compass:** Integrated for navigation assistance.

Setup and Initial Charging

Before first use, ensure your CARHEV Jump Starter is fully charged. It typically takes 4-6 hours to fully charge via the USB-C input.

1. Connect the provided USB to USB-C cable to the USB-C Input port on the jump starter.
2. Plug the other end of the USB cable into a compatible USB wall adapter (not included) or a powered USB port.
3. The LED display will show the charging progress. The unit is fully charged when the display shows "100%".



Image: The jump starter unit connected via USB-C for charging, and also demonstrating its use as a power bank for mobile devices.

Operating Instructions

Jump Starting a Vehicle

The CARHEV Jump Starter is designed to safely start 12V vehicles with up to 8.0L Gas or 8.0L Diesel engines.

1. Ensure the jump starter has sufficient charge (at least 50%).
2. Connect the intelligent cables to the Jump Starter Socket on the unit.
3. Connect the **red** clamp to the **positive (+)** terminal of the vehicle's battery.
4. Connect the **black** clamp to the **negative (-)** terminal of the vehicle's battery.
5. Once the green indicator light on the smart jumper cable illuminates, start your car's engine.
6. After the engine starts, immediately remove the intelligent cables from the car battery, then disconnect them from the jump starter.



Image: Visual steps for jump starting: 1. Plug in cables, 2. Connect clamps, 3. Start engine, 4. Remove cables.

Your browser does not support the video tag.

Video: An official video from CARHEV Direct demonstrating the features of the Jump Starter Battery Pack, including its LED light and USB QC 3.0 capabilities.

Your browser does not support the video tag.

Video: An official video from CARHEV Direct providing an overview of the CARHEV 3000A Peak 24000mAh Car Jump Starter.

Using as a Power Bank

The jump starter can charge various electronic devices via its USB outputs.

- Connect your device's USB charging cable to either the 5V/2.1A USB Output or the 9V/2A QC3.0 USB Output port on the jump starter.
- The jump starter will automatically begin charging your device.

Using the LED Light

The built-in LED light has three modes: Flashlight, Strobe, and SOS.

- Press the Power Button once to turn on the flashlight mode.
- Press again to cycle to Strobe mode.
- Press a third time to activate SOS mode.
- Press a fourth time to turn off the LED light.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your jump starter.

- **Charging:** Recharge the unit every 3-6 months, even if not used, to maintain battery health. Store it with at least 50% charge.
- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Charge the unit fully.
Vehicle does not start.	Incorrect clamp connection; Battery too dead; Vehicle issue.	Check polarity (+ to +, - to -); Ensure unit is fully charged; Consult a mechanic if vehicle issues persist.
Smart jumper cable indicator not green.	Incorrect connection; Short circuit detected.	Recheck connections; Ensure clamps are not touching each other or other metal parts.
Device not charging.	Faulty cable or adapter; Input port issue.	Try a different USB-C cable and wall adapter.

Specifications

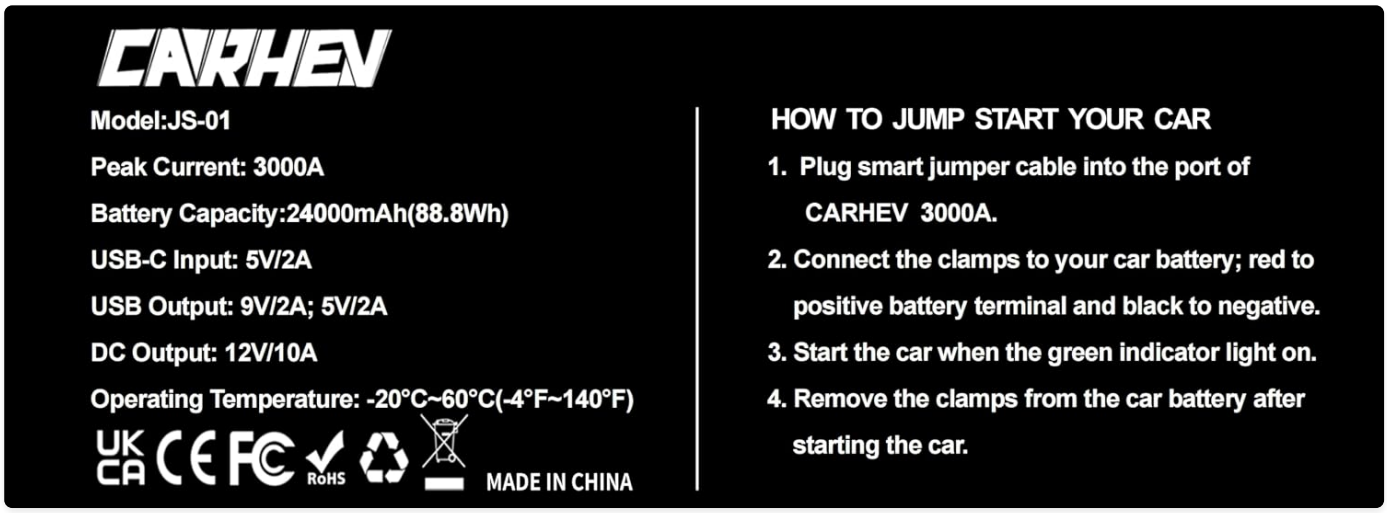


Image: A graphic displaying key specifications and basic jump start instructions.

Feature	Detail
Model	JS-01
Peak Current	3000A
Battery Capacity	24000mAh (88.8Wh)
USB-C Input	5V/2A
USB Output	9V/2A; 5V/2.1A
DC Output	12V/10A
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Dimensions	7.48 x 3.54 x 1.57 inches
Item Weight	2.2 pounds (approx. 1 kg)

Warranty and Support

CARHEV provides a 1-year worry-free warranty and lifetime technical support for your jump starter. If you encounter any issues or have questions, please contact CARHEV customer support. We aim to reply within 24 hours.

For support, please refer to the contact information provided on the product packaging or the official CARHEV website.

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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

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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