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CARHEV JS-06

CARHEV JS-06 4500A 12V Car Jump Starter User Manual

Model: JS-06

1. Introduction

Thank you for choosing the CARHEV JS-06 Car Jump Starter. This device is designed to provide a powerful and reliable solution for starting vehicles with dead batteries, as well as serving as a portable power bank and an emergency LED light. Please read this manual thoroughly before using the product to ensure safe and optimal performance. Keep this manual for future reference.

2. Safety Instructions

- Always ensure the jump starter's battery level is above 50% before attempting to jump start a vehicle.
- Do not connect the positive (+) and negative (-) clamps together.
- Do not attempt to jump start a vehicle if the jump starter or its cables are damaged.
- Keep the device away from children.
- Use the product in a well-ventilated area.
- Avoid exposing the device to extreme temperatures (below -20°C or above 60°C) or direct sunlight for extended periods.
- Do not disassemble the unit. Refer all servicing to qualified personnel.
- If the smart clamps indicate an error (e.g., reverse polarity), disconnect immediately and re-evaluate the connection.
- This device is water-resistant (IP65 rated) but should not be submerged in water.

3. Package Contents

Verify that all items listed below are included in your package:

- CARHEV Jump Starter Unit
- Smart Jump Starter Cables
- USB Charging Cable
- Portable Storage Bag
- User Manual



Image 3.1: This image shows the unboxed contents: the CARHEV Booster Battery unit, smart jump starter cables, USB charging cables, a portable storage bag, and the user manual. Each item is numbered for easy identification.

4. Product Overview

The CARHEV JS-06 features a robust design with multiple functionalities. Familiarize yourself with the main components:



Image 4.1: This image displays the CARHEV JS-06 car jump starter unit, its smart battery clamps, a USB charging cable, and a portable storage bag, illustrating the complete product package.

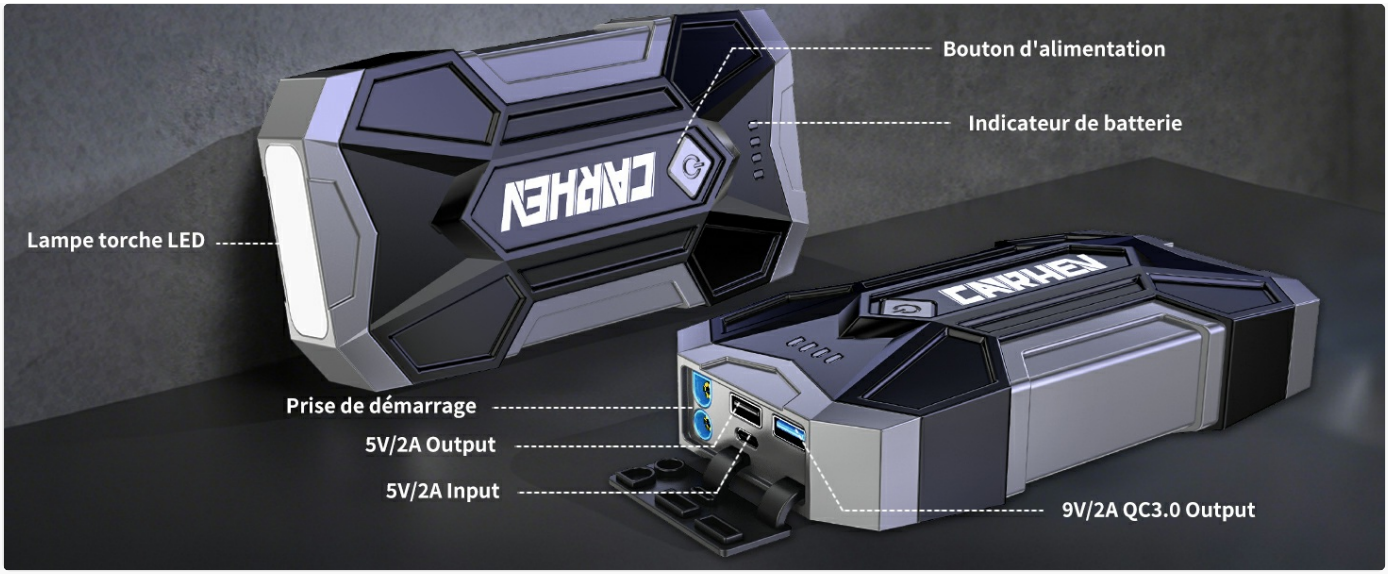


Image 4.2: This diagram highlights key components of the jump starter: the LED flashlight, power button, battery indicator, jump start socket, 5V/2A input, 5V/2A output, and 9V/2A QC3.0 output.

- **Jump Starter Unit:** The main power unit with integrated battery, LED light, and various ports.
- **Smart Clamps:** Intelligent cables with built-in safety features for connecting to the vehicle battery.
- **LED Flashlight:** Integrated light with multiple modes for illumination.
- **USB Ports:** For charging mobile devices.
- **Battery Indicator:** Displays the current charge level of the jump starter.

5. Charging the Jump Starter

Before first use, fully charge the CARHEV JS-06. To charge the unit:

1. Connect the provided USB charging cable to the 5V/2A Input port on the jump starter.
2. Connect the other end of the USB cable to a suitable USB power adapter (not included) or a powered USB port.
3. The battery indicator lights will illuminate, showing the charging progress. All lights will be solid when fully charged.

It is recommended to recharge the jump starter every 2 to 3 months if not in regular use to maintain battery health.

6. Operating Instructions: Jump Starting a Vehicle

The CARHEV JS-06 is designed to safely jump start vehicles with up to 8.0L gasoline or 8.0L diesel engines. Ensure the jump starter has at least 50% charge before use.

1. **Connect Smart Cables:** Insert the blue plug of the smart jump starter cables firmly into the jump start socket on the CARHEV unit.
2. **Connect to Car Battery:** Attach the red (+) clamp to the positive terminal of the vehicle's battery and the black (-) clamp to the negative terminal. The smart clamps will provide an audible alert or indicator if the connection is incorrect.
3. **Start Vehicle:** Once the clamps are correctly connected and the smart cable indicator is green, start your vehicle's engine.
4. **Remove Clamps:** After the engine starts, immediately remove the smart clamps from the car battery terminals, then disconnect the smart cable from the jump starter unit.



Image 6.1: A four-step visual guide demonstrating how to jump start a vehicle: 1) Connect the smart cables to the CARHEV booster, 2) Connect the clamps to the car battery terminals, 3) Start the car engine, 4) Remove the clamps from the car battery.

7. Using as a Power Bank

The CARHEV JS-06 can charge various electronic devices:

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

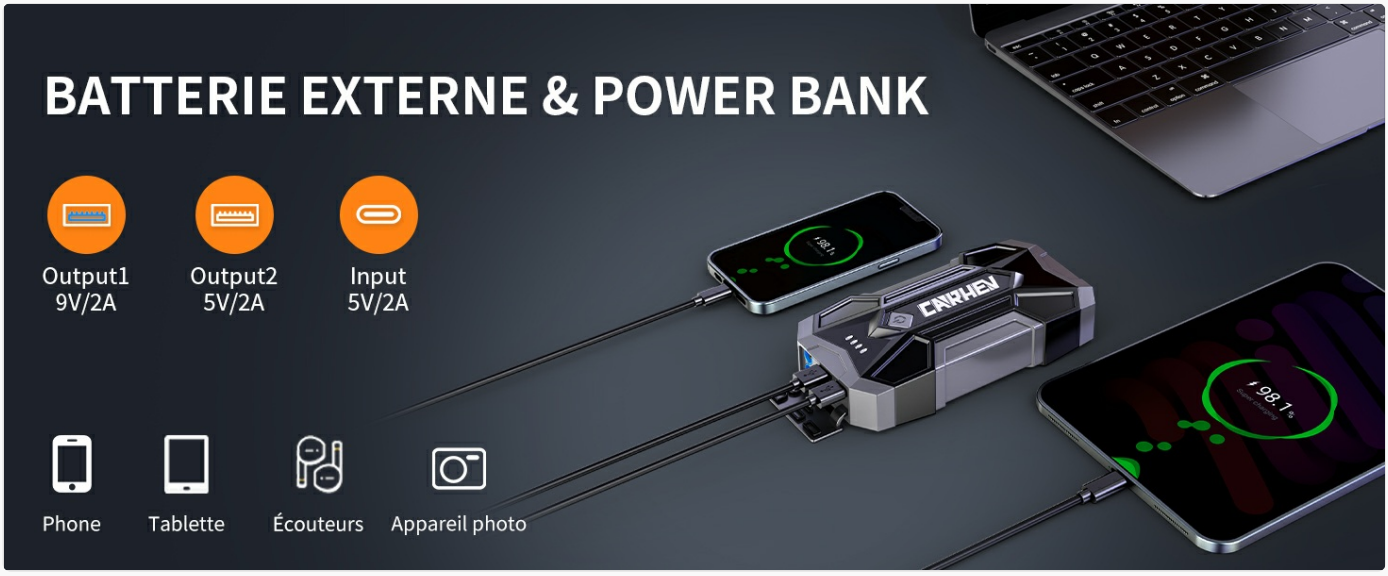


Image 7.1: This image illustrates the jump starter functioning as a power bank, charging various mobile devices like phones, tablets, earphones, and cameras via its USB output ports (9V/2A and 5V/2A).

8. Using the LED Light

The integrated LED light offers three modes:

1. **Flashlight Mode:** Press and hold the power button for 3 seconds to turn on the LED light.
2. **Strobe Mode:** Briefly press the power button again to switch to strobe mode.
3. **SOS Mode:** Briefly press the power button a third time to activate SOS signaling mode.
4. To turn off the LED light, briefly press the power button a fourth time or press and hold for 3 seconds.



Image 8.1: The image shows the jump starter's integrated LED light being used as a flashlight in a camping scenario, highlighting its three modes: flashlight, strobe, and SOS.

9. Maintenance and Storage

- Clean the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- Store the jump starter in its portable storage bag in a cool, dry place.
- If not used for an extended period, recharge the unit every 2-3 months to prevent deep discharge and prolong battery life.
- Keep the jump starter away from direct heat sources and flammable materials.

10. Troubleshooting

If you encounter issues with your CARHEV JS-06, refer to the following:

- **Unit does not turn on:** Ensure the unit is charged. If the battery is completely depleted, it may take a few minutes of charging before the indicator lights appear.
- **Vehicle does not start:**
  - Check that the jump starter has sufficient charge (above 50%).
  - Verify that the smart clamps are correctly connected to the vehicle battery terminals (red to positive, black to negative). The smart clamps have an intelligent indicator and buzzer to signal correct or incorrect connections.
  - Ensure the vehicle's battery terminals are clean and free of corrosion.
  - The vehicle's battery might be severely damaged and beyond the jump starter's capability.
- **Smart clamps show an error:** Disconnect the clamps from the car battery and the jump starter. Reconnect them carefully, ensuring correct polarity.
- **Device not charging:** Ensure the USB cable and power adapter are working correctly. Try a different cable or adapter.

11. Specifications

Feature	Specification
Brand	CARHEV
Model	JS-06

Peak Current	4500 A
Voltage	12 Volts
Engine Compatibility	Up to 8.0L Gasoline or 8.0L Diesel
Battery Type	Lithium-ion
USB Output 1	9V/2A (QC3.0)
USB Output 2	5V/2A
USB Input	5V/2A
Operating Temperature	-20°C to 60°C
Water Resistance Rating	IP65
Item Weight	760 g
Package Dimensions	20.8 x 10.2 x 9.4 cm



Image 11.1: A visual chart indicating the CARHEV JS-06's compatibility with various engine sizes, from 1.5L motorcycles to 8.0L cars, vans, and trucks, for both gasoline and diesel engines.

12. Warranty and Support

Your CARHEV JS-06 Car Jump Starter comes with 2 years of technical assistance. If you encounter any problems during product use, please do not hesitate to contact us. Our customer service team is committed to responding within 24 hours to provide support and solutions.

For support, please refer to the contact information provided with your purchase or visit the official CARHEV website.

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