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CARHEV JS-01

CARHEV JS-01 Jump Starter Portable Power Bank User Manual

Model: JS-01

1. INTRODUCTION

Thank you for choosing the CARHEV JS-01 Jump Starter. This device is a powerful and versatile tool designed to jump-start vehicles with dead batteries, and also functions as a portable power bank and an emergency flashlight. Please read this manual thoroughly before using the product to ensure safe and optimal operation.



Image: The CARHEV JS-01 Jump Starter unit shown with its intelligent clamps, USB charging cable, and carrying case.

2. SAFETY INSTRUCTIONS

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

- Do not allow the positive and negative clamps to touch each other when connected to the jump starter.
- Do not jump-start a vehicle if the battery voltage is below 10V.
- Ensure the jump starter is fully charged before use for optimal performance.
- Keep out of reach of children.
- Do not expose the device to extreme temperatures (above 60°C or below -20°C) or direct sunlight.
- Do not disassemble the unit. Refer all servicing to qualified personnel.
- Wear eye protection when working with car batteries.

MULTIPLE PROTECTION



Overload
Protection



Over Current
Protection



Low Temperature
Protection



High Temperature
Protection



Reverse Polarity
Protection



Over Discharge
Protection



Short Circuit
Protection



Over Voltage
Protection

Image: Visual representation of the multiple protection features including overload, over current, low/high temperature, reverse polarity, over discharge, short circuit, and over voltage protection.

3. PRODUCT OVERVIEW AND CONTENTS

The CARHEV JS-01 is a compact yet powerful device. Familiarize yourself with its components and included accessories:

Package Contents:

- CARHEV JS-01 Jump Starter Unit
- Intelligent Jumper Cables (with red positive and black negative clamps)
- USB Charging Cable (USB-A to USB-C)
- Cigarette Lighter Socket Adapter
- User Manual
- Storage Case

WHAT YOU GET

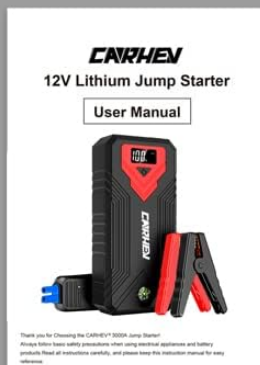
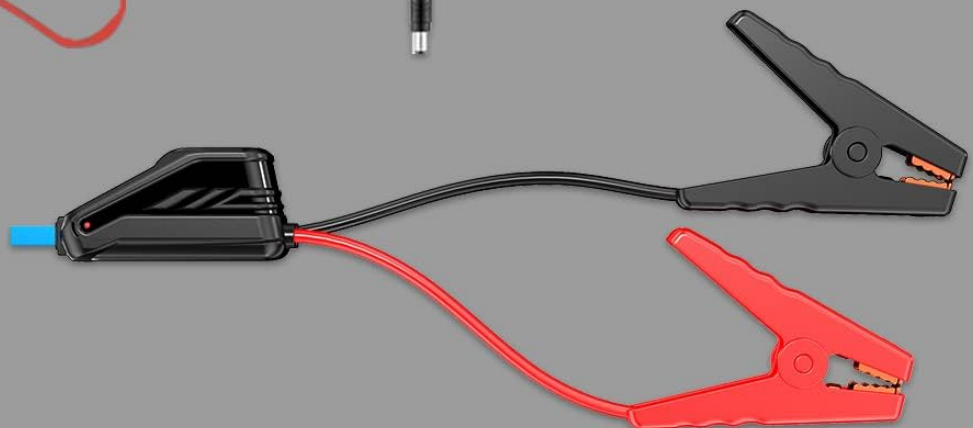


Image: All items included in the package: the jump starter unit, intelligent jumper cables, cigarette lighter plug, user manual, USB cable, and tool case.

Device Features:

- **Power Button:** To turn the unit on/off and activate the flashlight.
- **LCD Display:** Shows battery percentage and output status.
- **Jump Starter Socket:** For connecting the intelligent jumper cables.
- **USB Outputs (5V/2.1A, 9V/2A QC3.0):** For charging mobile devices.
- **USB Input (5V/2A):** For charging the jump starter unit.
- **DC Output (12V/10A):** For powering 12V devices.
- **LED Flashlight:** Built-in emergency light.
- **Compass:** Integrated for navigation.

MULTIFUNCTIONAL JUMP STARTER



JUMP STARTER



POWER BANK



FLASHLIGHT

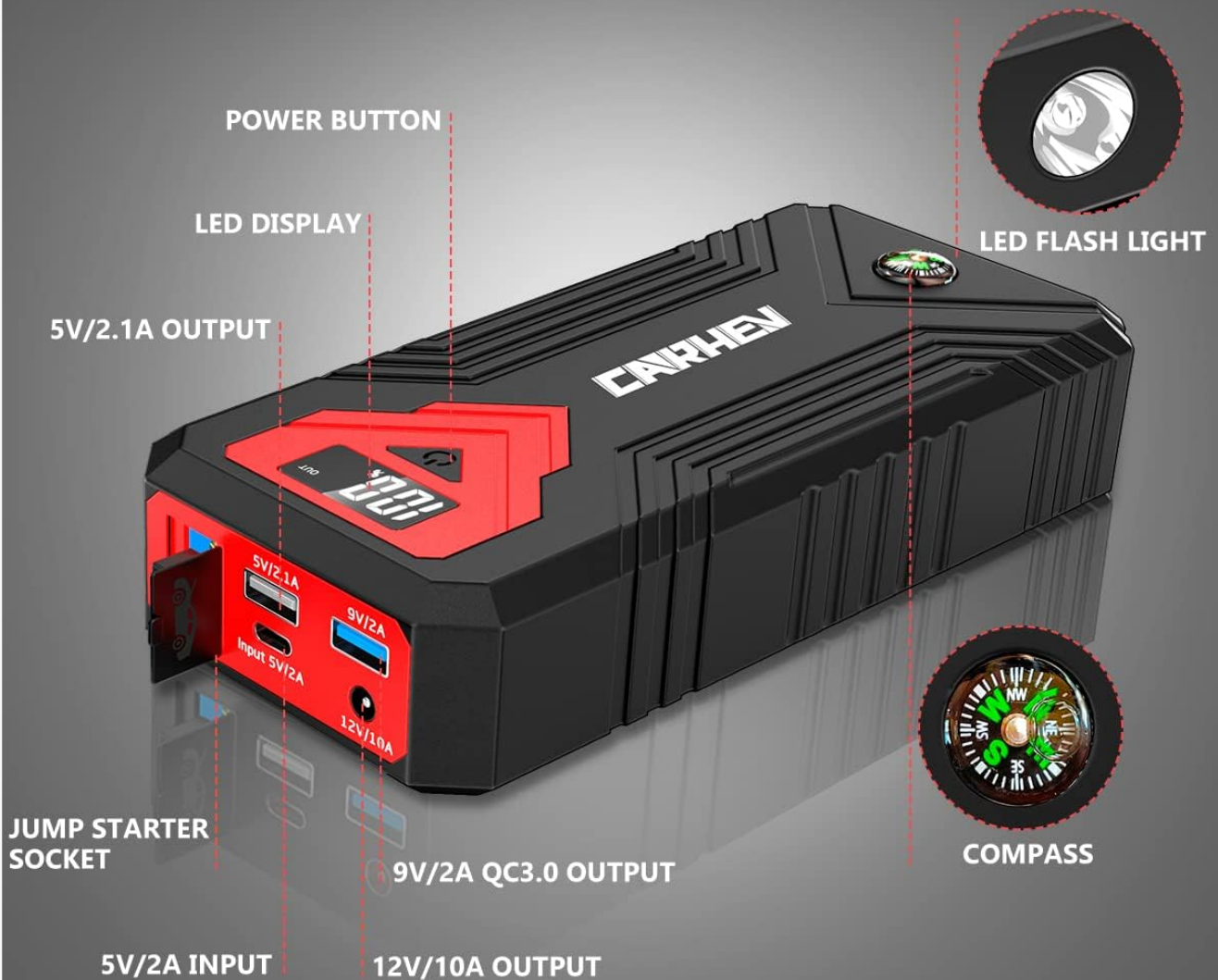


Image: Detailed view of the jump starter highlighting its various ports and features, including the power button, LED display, USB outputs, input, DC output, flashlight, and compass.

4. SETUP AND CHARGING

Before first use, fully charge the CARHEV JS-01. It is recommended to keep the unit charged above 80% for optimal performance and longevity.

Charging the Jump Starter:

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 USB wall adapter (not included) or a powered USB port.
3. The LCD display will show the charging progress. A full charge typically takes 4-6 hours.
4. Once fully charged, the display will show "100%". Disconnect the charging cable.



Image: The jump starter unit connected to a power adapter via its USB Type-C input for charging, with a phone also shown charging from its USB output.

5. OPERATING INSTRUCTIONS

5.1. Jump Starting a Vehicle

Ensure the jump starter is at least 50% charged before attempting to jump-start a vehicle.

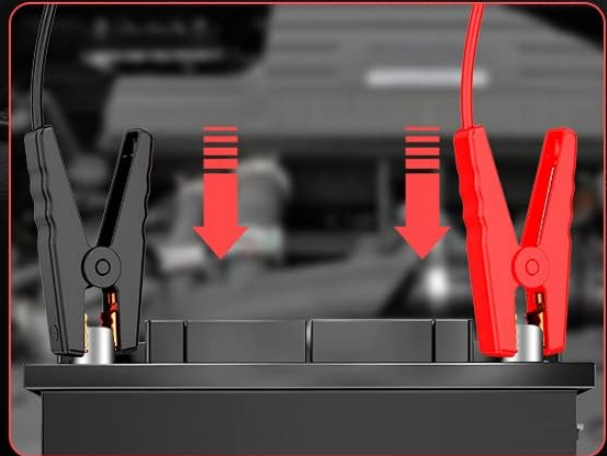
1. **Connect Intelligent Cables:** Plug the blue end of the intelligent jumper cables firmly into the jump starter's jump starter socket. Ensure a secure connection.
2. **Connect Clamps to Car Battery:** Attach the red (positive, +) clamp to the positive terminal of the car battery. Attach the black (negative, -) clamp to the negative terminal of the car battery. Ensure the clamps make good contact with the battery terminals.
3. **Check Indicator:** The indicator light on the intelligent cable will turn solid green if the connection is correct and safe to proceed. If it flashes red or makes a warning sound, check the connections for reverse polarity or short circuit.
4. **Start the Car Engine:** Return to your vehicle and start the engine. If the car does not start on the first attempt, wait at least 30 seconds before trying again. Do not crank for more than 3 seconds per attempt.
5. **Remove Cables:** Once the car engine starts, immediately remove the intelligent jumper cables from the car

battery terminals, then disconnect the blue end from the jump starter.

HOW JUMP START YOUR VEHICLE



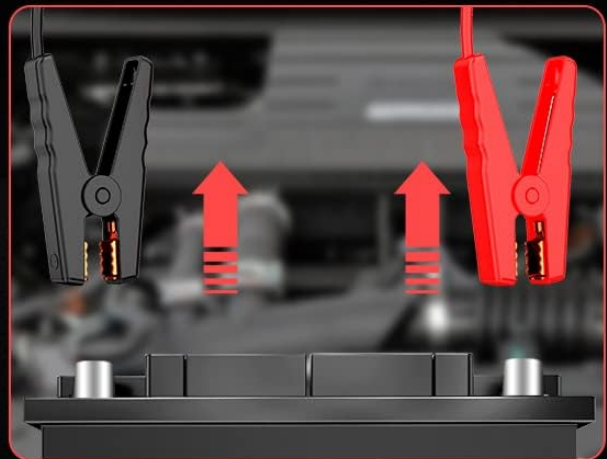
1.Plug intelligent cables into CARHEV Jump Starter



2.Connect the clamps to car battery



3.Start the car engine



4.Remove the intelligent cables from the car battery

Image: A visual guide demonstrating the four steps for jump-starting a vehicle: 1. Plug intelligent cables into the jump starter, 2. Connect clamps to the car battery, 3. Start the car engine, 4. Remove intelligent cables from the car battery.

5.2. Using as a Power Bank

The CARHEV JS-01 can charge various electronic devices via its USB output ports.

1. Connect your device's USB charging cable to one of the jump starter's USB output ports (5V/2.1A or 9V/2A QC3.0).

2. The jump starter will automatically begin charging your device. The LCD display will show "OUT" and the remaining battery percentage.
3. Disconnect your device once charging is complete.



Image: The CARHEV jump starter functioning as a 24000mAh power bank, charging a smartphone and a tablet via its USB and USB QC 3.0 outputs.

5.3. Using the LED Flashlight

The built-in LED flashlight has multiple modes for emergency situations.

1. Press and hold the Power Button for 3 seconds to turn on the flashlight.
2. Press the Power Button briefly to cycle through modes: Solid Light > SOS Signal > Strobe Light.
3. Press and hold the Power Button again for 3 seconds to turn off the flashlight.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your CARHEV JS-01 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 soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the jump starter in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its protective case when not in use.

7. TROUBLESHOOTING

If you encounter issues with your CARHEV JS-01, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely discharged.	Charge the jump starter for at least 30 minutes before attempting to turn it on.
Vehicle does not start after jump-starting.	Jump starter battery too low; incorrect connection; vehicle battery severely damaged.	Ensure jump starter is fully charged. Check clamp connections for proper polarity. If still no start, the vehicle battery may need replacement or professional service.
Intelligent cable indicator flashes red or beeps.	Reverse polarity connection; short circuit; vehicle battery voltage too low.	Disconnect clamps and re-connect them correctly (red to positive, black to negative). Ensure clamps are not touching. If battery voltage is extremely low, the jump starter may not engage.
USB devices are not charging.	Jump starter battery too low; incorrect USB cable; device not compatible.	Charge the jump starter. Try a different USB cable. Ensure your device is compatible with standard USB charging.

8. SPECIFICATIONS

Detailed technical specifications for the CARHEV JS-01 Jump Starter:

Feature	Specification
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Feature	Specification
Brand	CARHEV
Model	JS-01
Peak Current	3000 A
Voltage	12 Volts
Battery Composition	Lithium-ion
Item Weight	510 Grams
Product Dimensions (L x W x H)	19 x 9 x 4 cm
Vehicle Service Type	Car
Manufacturer Serial Number	JS-A01

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your CARHEV JS-01 Jump Starter, please contact the manufacturer or seller directly through your purchase platform. Keep your purchase receipt or order number handy for faster service.