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Jomgand K40

Jomgand K40 12V 5000A Car Battery Jump Starter User Manual

Model: K40

1. Introduction

Thank you for choosing the Jomgand K40 Car Battery Jump Starter. This device is designed to safely and efficiently jump start your vehicle, charge your electronic devices, and provide emergency lighting. Please read this manual thoroughly before use to ensure proper operation and safety.

What's in the Box

- K40 Battery Jump Starter
- Smart Jumper Cables
- USB-A to C Cable
- USB-C to C Cable
- 12V Cigarette Lighter Adapter
- User Manual



Image: The Jomgand K40 Jump Starter and its included accessories: smart jumper cables, USB-A to C cable, USB-C to C cable, 12V cigarette lighter adapter, and user manual.

2. Safety Information

Always observe the following safety precautions when using the Jomgand K40 Jump Starter:

- Do not allow the red and black clamps to touch each other.
- Do not jump start a frozen battery.
- Ensure proper polarity connection (red to positive, black to negative).
- Do not expose the unit to rain or immerse it in water.
- Keep out of reach of children.
- Do not disassemble the unit.
- Use only the provided smart jumper cables.

Built-in Safety Protections

The Jomgand K40 features 10 safety protections for secure operation:

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



Image: Visual representation of the 10 safety protection technologies integrated into the Jomgand K40 jump starter.

3. Setup

Initial Charging

Before first use, fully charge the Jomgand K40. Connect the provided USB-C cable to the Type-C input port on the jump starter and to a USB wall adapter (not included). The digital display will show the charging progress. A full charge is indicated when the display shows 100%.

It is recommended to recharge the unit every 3-6 months to maintain optimal battery health, even if not in use.

4. Operating Instructions

4.1 Jump Starting a Vehicle

The Jomgand K40 can jump start 12V vehicles with up to 10.0L gas or 9.0L diesel engines.

1. **Connect the Smart Jumper Cables:** Plug the blue end of the smart jumper cable into the jump starter's 12V output port. Ensure a firm connection.

2. **Connect to Vehicle Battery:** Attach the red clamp to the vehicle battery's positive (+) terminal and the black clamp to the vehicle battery's negative (-) terminal. The smart indicator on the jumper cable will turn solid green when ready.
3. **Start the Vehicle:** Once the indicator is solid green, start your vehicle. If the vehicle does not start immediately, wait 30 seconds and try again.
4. **Remove Cables:** After the vehicle starts, remove the black clamp first, then the red clamp, and finally unplug the jumper cable from the jump starter.



Image: Steps for 12V Auto Start: Attach clamps, power on (safety indicator turns solid green), and start the vehicle.

One-Button Boost Function

If the vehicle battery voltage is extremely low (below 1V) and the smart indicator does not turn green, use the boost function:

1. **Connect Positive Clamp:** Attach the red clamp to the vehicle battery's positive (+) terminal.
2. **Activate Boost:** Press and hold the "Boost" button on the smart jumper cable for 3 seconds. The safety indicator will turn solid green.
3. **Connect Negative Clamp:** Immediately attach the black clamp to the vehicle battery's negative (-) terminal.
4. **Start the Vehicle:** Start your vehicle within 30 seconds.
5. **Remove Cables:** After the vehicle starts, remove the black clamp first, then the red clamp, and finally unplug the jumper cable from the jump starter.



Image: Steps for Boost Start: Connect positive clamp, press boost button, connect negative clamp, and start the vehicle.

Your browser does not support the video tag.

Video: A demonstration of using the Jomgand K40 jump starter to quickly start a gas or diesel vehicle. This video illustrates the connection process and successful engine start.

4.2 Using as a Power Bank

The K40 can charge various electronic devices via its USB-A, Type-C, and 12V DC outputs.

- **USB-A Output:** Connect your device using a USB-A cable to charge phones, tablets, etc.
- **Type-C Output:** Use a USB-C to C cable for faster charging of compatible devices.
- **12V DC Output:** Use the provided 12V cigarette lighter adapter to power 12V accessories.



Image: The Jomgand K40 acting as a power bank, charging a laptop via Type-C and a smartphone via USB-A.

4.3 Using the LED Flashlight

The K40 features a multi-mode LED flashlight for emergencies and general use.

1. **Turn On/Off:** Press and hold the flashlight button (light icon) for 3 seconds to turn the flashlight on or off.
2. **Change Modes:** With the flashlight on, short press the flashlight button to cycle through modes: Flashlight (steady light) → Strobe → SOS.



Image: The K40's LED flashlight providing illumination in various scenarios, demonstrating its flashlight, strobe, and SOS modes.

4.4 Digital Display Overview

The smart digital display provides real-time information about the unit's status.

- **Battery Level:** Indicates the remaining charge of the jump starter.
- **Vehicle Voltage:** Shows the detected voltage of the connected vehicle battery.
- **Clamp Status:** Indicates if the clamps are correctly connected.
- **Fault Alerts:** Displays error codes or warnings for issues like reverse polarity, over-temperature, etc.



Image: Explanation of the K40's digital display, showing battery level, voltage readings, and various alarm indicators.

5. Maintenance

Charging and Storage

- **Recharge Regularly:** To prolong battery life, fully charge the K40 every 3-6 months, even if not in use.
- **Storage Temperature:** Store the unit in a cool, dry place between -4°F (-20°C) and 140°F (60°C). Avoid extreme temperatures.
- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.



Image: The Jomgand K40 is designed to operate in a wide range of temperatures, from -4°F to 140°F.

6. Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Charge the unit fully before use.
Vehicle does not start.	Incorrect clamp connection; vehicle battery too low; engine issue.	Check clamp connections (red to +, black to -). Ensure smart indicator is solid green. Try the Boost function. If still no start, consult a mechanic.
Smart indicator flashes red/green.	Reverse polarity detected.	Disconnect clamps and reconnect with correct polarity.
Unit gets warm during use.	Normal operation during high current discharge.	This is normal. If it becomes excessively hot, disconnect and allow to cool.

7. Specifications

Feature	Detail
Model Number	K40
Peak Current	5000A
Battery Capacity	20000mAh
Start Voltage	12V
Gas Engine Rating	Up to 10.0L
Diesel Engine Rating	Up to 9.0L

Feature	Detail
Battery Cell Composition	Lithium Polymer
Product Dimensions (D x W x H)	1.12" x 8.15" x 3.85" (28.4mm x 207mm x 97.8mm)
Item Weight	2.5 pounds (1.13 kg)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
USB-A Output	5V/3A (15W)
Type-C Input/Output	5V/3A (15W)
DC Output	12.8V-16.8V/10A

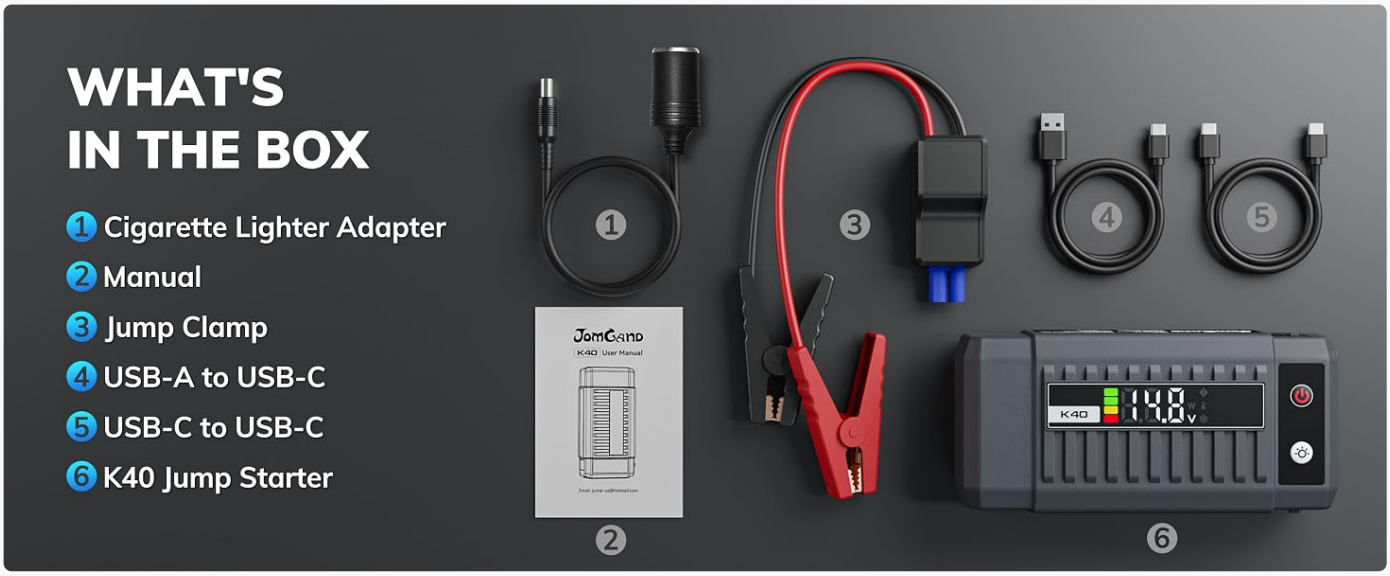


Image: Dimensional drawing of the Jomgand K40 jump starter, indicating its compact size.

8. Warranty and Support

For warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the product packaging or visit the official Jomgand website. Keep your purchase receipt as proof of purchase for warranty claims.

Online Support: Visit the Jomgand Store on Amazon

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