

Manuals.plus /

› **BookKoo** /

› BOOKOO A9 Portable 2000A 20000mAh Jump Starter User Manual

## BookKoo A9

# BOOKOO A9 Portable 2000A 20000mAh Jump Starter User Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your BOOKOO A9 Portable 2000A 20000mAh Jump Starter. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage or injury.

The BOOKOO A9 is a versatile portable power solution designed to jump start 12V vehicles with up to 8.0L gasoline or 6.5L diesel engines. It also functions as a power bank for electronic devices and includes an emergency LED flashlight.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- A9 Jump Starter Unit
- Smart Jumper Clamps
- USB Wall Charger Adapter
- Micro USB A to USB C Cable
- Hard Carrying Case
- Cigarette Lighter Cable
- User Guide

# WHAT'S IN THE BOX



1. A9 Jump Start

2. Jump Cables

3. 12V Cigarette Charger

4. USB C Cable

5. 18W Charger

6. User Manual

7. Zipper Carry Case

Figure 2.1: Contents of the BOOKOO A9 Jump Starter package.

## 3. PRODUCT FEATURES

- **Powerful Jump Starting:** 2000A peak current, 20000mAh capacity (74Wh) for 12V vehicles. Suitable for up to 8.0L gas and 6.5L diesel engines.
- **Multi-functional Power Bank:** Two USB outputs (5V/2.1A and QC 3.0: 5V/3A, 9V/2A, 12V/1.5A) for charging smartphones, tablets, and other mobile devices.
- **16V DC Output:** Powers 12V-16V/6A car accessories like tire inflators and inverters.
- **Integrated LED Flashlight:** Features 3 modes: Flash Light, Strobe Light, and SOS Light (400 LM 5W LED).
- **Advanced Safety Protections:** 8 built-in safety features including over-current, over-load, over-voltage, over-charge, short circuit, reverse polarity, power surging, and sparking protection.
- **Durable and Weather-Resistant:** IP66 water-resistant rating with a waterproof rubber stopper. Operates in extreme temperatures from -4°F to 149°F.
- **Compact and Portable:** Lightweight design (1.93 lbs) with dimensions of 6.57"D x 3.15"W x 1.57"H, easily stored in a glove box or carrying case.

## 4. PRODUCT OVERVIEW

The BOOKOO A9 Jump Starter is designed for ease of use and durability. Below is an overview of its main components and ports.



Figure 4.1: Key features and ports of the BOOKOO A9 Jump Starter.

- **Power Button:** Activates the device and checks battery level.
- **Power Indicator Lights:** Four blue LEDs indicate the remaining battery charge.
- **Jump Starter Output:** Port for connecting the smart jumper clamps.
- **USB Outputs (Output 1 & 2):** For charging external electronic devices.
- **Type-C Input:** For recharging the jump starter unit.
- **DC Output (12V-16V):** For powering 12V car accessories.
- **LED Light:** Multi-mode flashlight for illumination and emergency signaling.

## 5. SETUP AND INITIAL CHARGING

Before first use, fully charge your BOOKOO A9 Jump Starter. It is recommended to recharge the unit every 3 months to maintain optimal battery health.

### 5.1 Charging the Jump Starter

1. Connect the Micro USB A to USB C Cable to the Type-C Input port on the jump starter.
2. Plug the other end of the cable into the USB Wall Charger Adapter.
3. Plug the wall adapter into a standard electrical outlet.
4. The power indicator lights will illuminate and flash, indicating charging. All four lights will be solid when fully charged.

Alternatively, you can use the Cigarette Lighter Cable to charge the unit from your vehicle's 12V outlet.

## 6. OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

---

Follow these steps carefully to safely jump start your vehicle:

1. Ensure the jump starter is fully charged.
2. Turn off your vehicle's ignition and all accessories (lights, radio, etc.).
3. Connect the smart jumper clamps to the jump starter's Jump Starter Output port. Ensure a secure connection.
4. Connect the **red (+) clamp** to the positive (+) terminal of your vehicle's battery.
5. Connect the **black (-) clamp** to the negative (-) terminal of your vehicle's battery.
6. Once connected, the indicator light on the smart clamps should turn solid green, indicating a safe connection. If it flashes or beeps, check the connections for proper polarity.
7. Return to your vehicle and start the engine. If the engine does not start immediately, wait 30 seconds before trying again. Do not crank for more than 3 seconds per attempt.
8. Once the vehicle starts, immediately disconnect the black (-) clamp from the vehicle battery, then disconnect the red (+) clamp.
9. Finally, disconnect the smart jumper clamps from the jump starter unit.



Figure 6.1: The BOOKOO A9 Jump Starter connected to a vehicle battery.

### 6.1 Force Start Function (for completely dead batteries)

If your vehicle battery is completely dead (below 2V), the smart clamps may not detect it and the indicator light might not turn green. In this case, use the force start function:

1. Ensure the smart clamps are correctly connected to both the jump starter and the vehicle battery terminals.
2. Press and hold the 'BOOST' button (often marked with an exclamation mark or similar symbol) on the smart clamps for 3-5 seconds until the indicator light turns solid green.
3. Start your vehicle within 30 seconds.
4. Once the vehicle starts, immediately disconnect the clamps in reverse order (black then red).

*Note: Use the force start function only when necessary and with extreme caution, as it bypasses some safety checks.*

Your browser does not support the video tag. Please update your browser.

Video 6.1: Demonstration of the BOOKOO A9 jump start battery pack in action.

Your browser does not support the video tag. Please update your browser.

Video 6.2: How to use the A9 car battery jump starter.

## 7. MULTI-FUNCTION FEATURES

### 7.1 Power Bank Function (USB Outputs)

The BOOKOO A9 can charge your electronic devices:

1. Connect your device's USB charging cable to either Output 1 (5V/2.1A) or Output 2 (QC 3.0) on the jump starter.
2. Press the power button once to begin charging.
3. The indicator lights will show the remaining charge.



Figure 7.1: Charging multiple devices using the USB outputs.

### 7.2 DC Output for Accessories

Use the 16V DC output to power compatible car accessories:

1. Connect the Cigarette Lighter Cable to the DC Output port on the jump starter.
2. Plug your 12V accessory (e.g., tire inflator) into the cigarette lighter socket.
3. Press the power button once to activate the DC output.

### 7.3 LED Flashlight

The built-in LED flashlight offers multiple modes:

1. Press and hold the flashlight button (usually located near the LED light) for 3 seconds to turn on the constant light mode.
2. Press the button again to switch to Strobe Light mode.
3. Press the button a third time to activate SOS Light mode.
4. Press and hold the button again for 3 seconds to turn off the flashlight.



Figure 7.2: The multi-mode LED flashlight for various situations.

## 8. SAFETY INFORMATION

The BOOKOO A9 Jump Starter is equipped with 8 safety protections to ensure safe operation:

- Over-current Protection
- Over-load Protection
- Over-voltage Protection
- Over-charge Protection
- Short Circuit Protection
- Reverse Polarity Protection

- Power Surging Protection
- Sparking Protection

Always ensure proper connection of the smart jumper clamps to avoid issues. The smart clamps provide visual and audible error detection.



Figure 8.1: Smart clamps with spark-proof and reverse polarity protection.

## 9. MAINTENANCE

To ensure the longevity and optimal performance of your BOOKOO A9 Jump Starter:

- Recharge the unit within 3 months if not in regular use.
- Store the jump starter in its hard carrying case in a cool, dry place.
- Avoid exposing the unit to extreme temperatures outside its operating range (-4°F to 149°F) for prolonged periods.



Figure 9.1: The jump starter is designed to operate in a wide range of temperatures.

## 10. TROUBLESHOOTING

If you encounter issues with your jump starter, refer to the following common problems and solutions:

- **Jump starter fails to start vehicle:** Ensure the unit is fully charged. Check that the smart clamps are securely connected to the correct battery terminals (red to positive, black to negative). If the battery is completely dead (below 2V), use the force start function as described in Section 6.1.
- **Battery may not perform optimally in extreme cold weather:** Ensure the jump starter is kept in a warmer place before use.
- **Smart clamps indicator light is not green:** Recheck connections for proper polarity. If the battery is extremely low, use the force start function.

## 11. SPECIFICATIONS

Specification	Value
Brand	BookKoo
Model	A9
Peak Amperage	2000 Amps
Battery Capacity	20000 mAh (74Wh)
Engine Compatibility	Up to 8.0L Gas / 6.5L Diesel
Product Dimensions	6.57"D x 3.15"W x 1.57"H
Item Weight	1.93 Pounds
USB Output 1	5V/2.1A
USB Output 2 (QC 3.0)	5V/3A, 9V/2A, 12V/1.5A
DC Output	12V-16V/6A
Operating Temperature	-4°F to 149°F
Water Resistance	IP66

## 12. WARRANTY AND SUPPORT

BOOKOO provides lifetime technical support and worry-free after-sale service 24/7. For any inquiries or assistance, please refer to the contact information provided in your product packaging or visit the official BookKoo store online.

The company has 10 years of R&D and production experience, ensuring strict quality control and offering a 2-year after-sales service.