

## SAFEMATE PJS03-2500A

# SAFEMATE PJS03-2500A Car Jump Starter with Air Compressor User Manual

Model: PJS03-2500A

## 1. INTRODUCTION

This manual provides instructions for the safe and effective operation of your SAFEMATE PJS03-2500A Car Jump Starter with Air Compressor. This device is designed to jump-start 12V vehicles, inflate tires, and serve as a portable power bank. Please read this manual thoroughly before use and retain it for future reference.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Always wear eye protection when operating the jump starter.
- Do not allow the positive and negative clamps to touch each other.
- Do not attempt to jump-start a frozen battery.
- Ensure the jump starter is fully charged before use for optimal performance.
- Keep out of reach of children.
- Operate in a well-ventilated area.
- The device features 10-in-1 safety protection, including short-circuit, reverse connection, over-voltage, over-charge, over-discharge, and temperature abnormality protection.

# 10 LEADING SAFETY PROTECTION



Reverse Polarity Protection



Short Circuit Protection



AI-Software Monitoring



High Temperature Protection



Low Temperature Protection



Over-Charging Protection



Usb Over-Current Protection



Discharging Protection



Overload Protection



Over-Voltage Protection



Image: The SAFEMATE PJS03-2500A includes 10 safety protection features for secure operation.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

1. 1 x SAFEMATE PJS03-2500A Car Jump Starter with Air Compressor
2. 1 x Smart Jumper Cable
3. 1 x USB-A to USB-C Connection Cable
4. 1 x Pump Tube

5. 4 x Air Nozzles
6. 1 x Power Connector
7. 1 x User Manual
8. 1 x Carrying Bag

## WHAT YOU GET

- 1 1 x Battery Jump Starter with Air Compressor
- 2 1 x Smart Jumper Cable
- 3 1 x USB-A to USB-C Connection Cable
- 4 1 x Pump Tube
- 5 4 x Air Nozzles
- 6 1 x User Manual



Image: All components included with the SAFEMATE PJS03-2500A.

## 4. PRODUCT OVERVIEW

The SAFEMATE PJS03-2500A is a multi-functional device combining a powerful jump starter, a 120PSI air compressor, and a portable power bank. It features a clear LCD display for real-time voltage monitoring and error alerts.



Image: The SAFEMATE PJS03-2500A unit with its accessories.

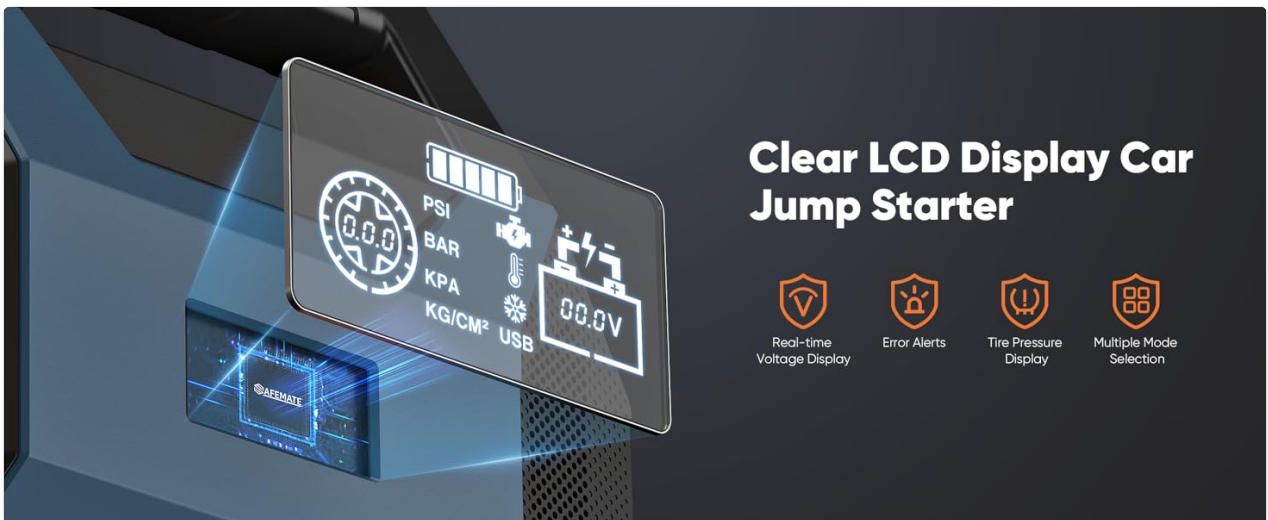


Image: Clear LCD Display for real-time monitoring and alerts.

## 5. CHARGING THE JUMP STARTER

Before first use, fully charge the SAFEMATE PJS03-2500A. It is recommended to recharge the device after each use or every 3-6 months to maintain battery health.

### 5.1 Charging Instructions

1. Connect the provided USB-A to USB-C cable to the USB-C input port on the jump starter.
2. Connect the other end of the cable to a 40W PD wall charger (not included).
3. The LCD screen will indicate charging status. A full charge from 0% to 100% takes approximately 65 minutes with a 40W PD charger.

A 15-minute charge can provide enough power for one emergency jump start.



Image: The device supports 40W PD fast charging.

## 6. OPERATING THE JUMP STARTER

The SAFEMATE PJS03-2500A is designed to jump-start 12V vehicles with up to 8L gas or 6L diesel engines, including cars, SUVs, trucks, motorcycles, boats, ATVs, and RVs.

## 6.1 Jump-Starting Procedure

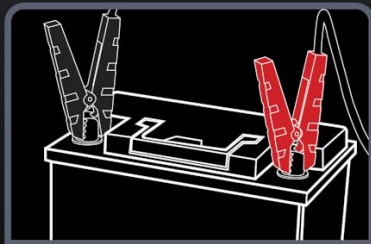
1. Ensure the jump starter is adequately charged.
2. Connect the smart jumper cable to the jump starter's port.
3. Attach the red (positive, +) clamp to the positive terminal of the vehicle's battery.
4. Attach the black (negative, -) clamp to the negative terminal of the vehicle's battery.
5. Observe the LCD screen for the battery voltage display and any error alerts. The device will indicate if the connection is correct and if it's ready to jump-start.
6. Start your vehicle's engine.
7. Once the engine starts, immediately remove the jumper cables from the vehicle battery, then disconnect from the jump starter.

# FAST START YOUR DEAD CAR



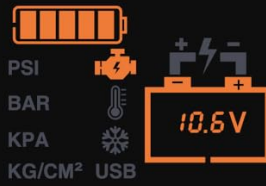
Image: Jump-starting a vehicle with the SAFEMATE PJS03-2500A.

## EASY TO START CAR



### STEP 1

Connect to the car battery correctly



### STEP 2

The icon shows on the screen



### STEP 3

Start the car engine

Image: Easy steps to jump-start your car.

## 7. USING THE AIR COMPRESSOR

The integrated 120PSI air compressor can inflate car tires, motorcycle tires, bicycle tires, balls, and other inflatables. It features an auto-shutoff function once the preset pressure is reached.

### 7.1 Tire Inflation Procedure

1. Connect the pump tube to the air compressor port on the device.
2. Attach the appropriate air nozzle to the pump tube and then to the item you wish to inflate (e.g., tire valve).
3. Turn on the device. The LED screen will display the current pressure.
4. Press the 'M' button to select your desired pressure unit (PSI, BAR, KPA, or KG/CM²).
5. Use the '+' and '-' buttons to set the desired target pressure.
6. Press the inflation button (often indicated by a tire icon) to begin inflation. The compressor will automatically stop when the target pressure is reached.
7. Disconnect the air nozzle and pump tube.

# 120PSI CORDLESS ULTRA FAST INFLATION



25-36PSI  
(195/65R15)

## 40L/Min



Image: Inflating a car tire with the 120PSI air compressor.

## HOW TO INFLATE YOUR CAR TIRES



Image: Steps for inflating car tires.

## MULTIPLE MODES TO SUIT YOUR NEEDS

Customize and Save Settings for Quick Access Next Time



Image: Multiple inflation modes for various items.

## 8. POWER BANK FUNCTION

The SAFEMATE PJS03-2500A can also function as a portable power bank with a 13200mAh capacity, capable of charging phones, tablets, and cameras.

### 8.1 Charging External Devices

1. Connect your device's charging cable to either the USB-C PD (40W output) or USB-A (24W output) port on the jump starter.
2. The jump starter will automatically begin charging your device.

## 9. FLASHLIGHT FUNCTION

The device includes a built-in flashlight for illumination in low-light conditions.

### 9.1 Using the Flashlight

1. Press the flashlight button (often indicated by a light bulb icon) to turn on the flashlight.

2. Press the button again to cycle through different light modes (e.g., steady on, SOS, strobe, if available).
3. Press and hold the button to turn off the flashlight.



Image: The portable light function of the SAFEMATE PJS03-2500A.

## 10. SPECIFICATIONS

Feature	Specification
Model	PJS03-2500A

Peak Current	2500 Amps
Engine Compatibility	Up to 8L Gas / 6L Diesel
Air Compressor Pressure	120 PSI
Battery Capacity	48.84Wh (13200mAh)
USB-C Input/Output	PD 40W Max
USB-A Output	24W Max
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Item Weight	4.86 pounds
Dimensions	12.83 x 12.24 x 3.23 inches



Image: The device is designed for operation in a wide range of temperatures.

## 11. MAINTENANCE

### 11.1 Cleaning

Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.

### 11.2 Storage

- Store the jump starter in its carrying bag in a cool, dry place away from direct sunlight.
- Ensure the device is charged to at least 50% before long-term storage.
- Recharge the device every 3-6 months to prevent deep discharge and prolong battery life. The device can hold a charge for up to 24 months.

## 12. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Device does not turn on	Battery is completely discharged.	Charge the device using a 40W PD charger.
Vehicle does not jump-start	Incorrect clamp connection; vehicle battery is severely damaged; jump starter battery is too low.	Ensure clamps are connected correctly (red to positive, black to negative). Check the jump starter's charge level. If the vehicle battery is completely dead, it may not be able to be jump-started. Consult a mechanic.
Air compressor does not work	Jump starter battery is too low (below 40-50%); pump tube not securely connected; target pressure not set.	Ensure the jump starter has sufficient charge. Verify the pump tube is securely attached. Set the desired target pressure before starting inflation.
Inaccurate tire pressure reading	Minor calibration variance.	The device provides readings with approximately 1 PSI accuracy. For highly precise measurements, use a dedicated tire pressure gauge.
Device turns off unexpectedly	Low battery; overheating; internal error.	Recharge the device. Allow it to cool down if it has been in continuous use. Check the LCD screen for error alerts.

The intelligent screen continuously monitors battery status and operational diagnostics, providing clear alerts for short circuits, reverse connection, temperature abnormalities, and low power. Refer to the display for specific error codes or warnings.

# REAL-TIME VOLTAGE MONITORING & INSTANT ERROR ALERTS



Image: Real-time voltage monitoring and instant error alerts on the display.

## 13. WARRANTY AND CUSTOMER SUPPORT

SAFEMATE provides the following support for this product:

- **24 Months Hassle-Free Returns:** For any product issues within 24 months of purchase.
- **Lifetime Technical Support:** Ongoing technical assistance for the lifespan of the product.

For customer service inquiries, please refer to the contact information provided on the SAFEMATE official website or your purchase platform.

