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Roadjoy J1207P

Roadjoy J1207P High-Power 7000A Car Jump Starter & 150PSI Air Compressor User Manual

Model: J1207P | Brand: Roadjoy

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1. PRODUCT OVERVIEW

The Roadjoy J1207P is a versatile emergency device combining a high-power car jump starter with a 150PSI air compressor. It features a 20000mAh battery, 7000A peak current for starting vehicles up to 8L gasoline and 8L diesel engines, and a 74W fast charge capability. This unit also functions as a portable power bank and includes an LED light with multiple modes for various situations.

Key Features:

- **Powerful Jump Starter:** 7000A peak current for 12V vehicles (up to 8L gas/8.0L diesel engines).
- **Integrated Air Compressor:** 150PSI with 4 preset tire pressure modes and auto-shutoff.
- **Portable Power Bank:** 20000mAh capacity with USB 5V 3A and USB 5V/9V/12V Quick Charge outputs, and 2*18W Type-C input.
- **Multi-mode LED Light:** Includes flashlight, warning, strobe, and SOS modes.
- **Intelligent Safety Protection:** Features 10 safety functions including short circuit, over-temperature, over-charge, over-discharge, and reverse polarity protection.
- **LCD Display:** Clear display for operational information and battery status.

2. SAFETY INFORMATION

Please read all safety warnings and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

General Safety Precautions:

- Do not expose the product to rain or wet conditions.
- Do not operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- Keep children and bystanders away while operating the product.
- Store idle products out of the reach of children and do not allow persons unfamiliar with the product to operate it.
- Use only accessories specified by the manufacturer.
- Do not use the product if it is damaged or modified.
- Do not disassemble the product. Refer servicing to qualified repair personnel.

Jump Starting Safety:

- Ensure the vehicle is in park (P) or neutral (N) and the parking brake is engaged.
- Wear eye protection and gloves when jump starting.
- Connect the red (+) clamp to the positive (+) terminal of the vehicle battery and the black (-) clamp to the negative (-) terminal or a metal part of the vehicle chassis away from the battery.
- Do not touch the red and black clamps together.
- If the jump starter indicates a reverse polarity connection, disconnect immediately and reconnect correctly.
- Do not attempt to jump start a frozen battery.

Air Compressor Safety:

- Do not over-inflate tires. Always check the recommended tire pressure for your vehicle.
- The inflation hose may become hot during prolonged use. Avoid direct skin contact.
- Allow the unit to cool down if it becomes excessively hot during operation.

3. PACKAGE CONTENTS

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

- Roadjoy J1207P Jump Starter & Air Compressor Unit
- Smart Jumper Cables
- Inflation Hose
- Nozzle Adapters (for various inflatables)
- USB-C Charging Cable
- Storage Case
- User Manual

Image: The Roadjoy J1207P unit and its accessories neatly organized within the provided carrying case.

4. PRODUCT DIAGRAM

Familiarize yourself with the different parts and controls of your Roadjoy J1207P unit.

PRODUCT DIAGRAM

1. POWER BUTTON	6.- PRESSURE BUTTON	10. LED SCREEN
2. INFLATE BUTTON	7. USB2 OUTPUT	11. ECS OUTPUT
3. MODE BUTTON	8. USB1 OUTPUT	12. INFLATION HOSE PORT
4. UNIT BUTTON	9. TYPE-C INPUT	13. LED PANEL LIGHT
5.+ PRESSURE BUTTON		



Image: Detailed diagram of the Roadjoy J1207P unit with numbered labels for each component, including power button, inflate button, mode button, pressure buttons, USB outputs, Type-C input, LED screen, ECS output, inflation hose port, and LED panel light.

1. Power Button
2. Inflate Button
3. Mode Button
4. Unit Button
5. + Pressure Button
6. - Pressure Button
7. USB2 Output
8. USB1 Output
9. Type-C Input
10. LCD Screen
11. ECS Output (for jumper cables)
12. Inflation Hose Port

13. LED Panel Light

5. SETUP

Initial Charging:

Before first use, fully charge your Roadjoy J1207P unit. Connect the provided USB-C charging cable to the Type-C Input (9) on the unit and to a suitable USB power adapter (not included). The LCD screen (10) will display the charging status. A full charge ensures optimal performance and readiness for emergencies.



Image: The Roadjoy J1207P unit connected via USB-C for charging, also showing its use as a power bank for other devices.

6. OPERATING INSTRUCTIONS

6.1. Jump Starting a Vehicle

1. Ensure the jump starter is sufficiently charged.
2. Connect the smart jumper cables to the ECS Output (11) on the jump starter.
3. Attach the red (+) clamp to the positive (+) terminal of the vehicle's dead battery.
4. Attach the black (-) clamp to the negative (-) terminal of the vehicle's dead battery or a solid, unpainted metal part of the engine block.
5. Check the indicator on the smart jumper cables. A solid green light indicates a safe connection. If a red light or alarm sounds, check connections for reverse polarity or other issues.
6. Start the vehicle's engine. If it doesn't start immediately, wait 30 seconds and try again. Do not crank for more than 3 seconds per attempt.
7. Once the vehicle starts, disconnect the black (-) clamp first, then the red (+) clamp, and finally remove the smart jumper cables from the jump starter.



Image: The Roadjoy J1207P unit with jumper cables connected to a car battery, ready to jump start the vehicle.



POWERFUL AIR COMPRESSOR

150 PSI

PSI

KPA

BAR



Car



Basketball



Motorbike



Bicycle



Custom

Image: The Roadjoy J1207P unit actively jump starting a vehicle with a dead battery, showing the smart clamps connected.

INFLATION OPERATING

Easy to use, 3 steps to complete inflation



1



Connect the tire
and Jump starter

2



Choose mode

3



Prass OK button
start inflation



Image: Close-up of the Roadjoy J1207P's intelligent protection system on the smart jumper cables, indicating safe connection status.

20000MAH BATTERY FOR LONG-LASTING POWER

Charge On-The-Go .Quick charge your devices with multi-interfaces

18W USB-A Output

18W Type-C Output



Image: Visual representation of the Roadjoy J1207P's intelligent protection system, highlighting various safety features like over-charge, over-current, short circuit, and reverse polarity protection.

4 MODE 600 LUMEN LIGHT

LIGHTING

WARNING

STROBE

SOS



Image: The Roadjoy J1207P connected to a car battery, demonstrating the quick start function for completely dead or low-voltage batteries.

6.2. Using the Air Compressor

1. Screw the inflation hose onto the Inflation Hose Port (12) on the unit.
2. Attach the other end of the hose to the tire valve or use an appropriate nozzle adapter for other inflatables.

3. Press the Power Button (1) to turn on the unit. The LCD screen (10) will display the current pressure.
4. Press the Mode Button (3) to select the desired inflation mode (car, motorcycle, bicycle, ball, or custom).
5. Use the + Pressure Button (5) and - Pressure Button (6) to set the target pressure.
6. Press the Inflate Button (2) to start inflation. The compressor will automatically stop when the target pressure is reached.
7. Disconnect the hose from the tire valve and the unit.



Image: The Roadjoy J1207P unit with its inflation hose connected to a car tire, demonstrating the air compressor function.

YOUR TRUSTY COMPANION IN THE CAR



Convenient To Carr



Best Gift Choice



Image: The Roadjoy J1207P's air compressor connected to a tire, showing the digital display and various preset modes for different items, highlighting its fast inflation capability.

6.3. Using as a Power Bank

The Roadjoy J1207P can charge your electronic devices. Connect your device's charging cable to either the USB1 Output (8) or USB2 Output (7) on the unit. The unit will automatically begin charging your device.

Fast-charging Power Bank



2*18W USB-A
Output



18W Type-C
Output

Games Console Phone Tablet Earphones Drone Smart Watch Camera



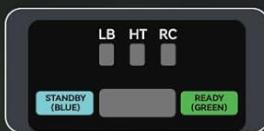
Image: The Roadjoy J1207P unit charging multiple electronic devices simultaneously via its USB outputs, demonstrating its power bank functionality.

6.4. Using the LED Light

The integrated LED Panel Light (13) offers multiple modes for various situations:

- **Flashlight Mode:** Press and hold the Power Button (1) to turn on the flashlight.
- **Warning/Strobe/SOS Modes:** Briefly press the Power Button (1) repeatedly to cycle through warning, strobe, and SOS modes.
- Press and hold the Power Button (1) again to turn off the light.

INTELLIGENT PROTECTION SYSTEM



LB: LOW BATTERY
HT: HIGH TEMPERATURE
RC: REVERSE CONNECTION



0 VOLTAGE START FUNCTION

Press and hold this red button for 3 seconds until the green light turns on to start completely flat (0V) or dead batteries.



00 anti-reverse connection design more safe and firm

Thick silicone protective case, dust-proof design



Over Charge Protection



Over Current Protection



Short Circuit Protection



Reverse Polarity Protection



Low Temp Protection



High Temp Protection



Over Voltage Protection



Over Load Protection



Reverse Charge Protection



Spark Proof Protection

Image: The Roadjoy J1207P unit's LED flashlight illuminated, showcasing its use for providing high brightness lighting in dark environments, with icons for lighting, SOS, strobe, and warning modes.

7. MAINTENANCE

Charging:

To maintain battery health, fully charge the unit every 3-6 months, even if not in use. This prevents deep discharge and prolongs battery lifespan.

Cleaning:

Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials. Keep the ventilation ports clear of dust and debris.

Storage:

Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its protective carrying

case when not in use to prevent damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Charge the unit fully using the USB-C cable.
Vehicle does not jump start.	Incorrect clamp connection; Battery too deeply discharged; Vehicle battery issues.	Check clamp connections for correct polarity. Ensure the jump starter is fully charged. Consult a mechanic if the vehicle still won't start.
Air compressor not inflating.	Hose not securely connected; Target pressure not set; Unit overheated.	Ensure inflation hose is tightly screwed. Set target pressure using +/- buttons. Allow unit to cool down if it has been running for an extended period.
LCD screen not displaying correctly.	Low battery; Unit malfunction.	Charge the unit. If problem persists, contact customer support.

9. SPECIFICATIONS

Model Number	J1207P
Peak Current	7000A
Battery Capacity	20000mAh
Vehicle Service Type	12V (up to 8L Gas / 8L Diesel Engines)
Air Compressor Pressure	150PSI Max
USB Output	USB 5V 3A, USB 5V/9V/12V Quick Charge
Type-C Input	2*18W
LED Light Modes	Flashlight, Warning, Strobe, SOS
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Dimensions	8.66 x 4.84 x 3.03 inches
Weight	5.5 pounds

10. WARRANTY & SUPPORT

Roadjoy provides a 2-year technical support for this product. For any questions, issues, or technical assistance, please contact our customer support team. Please have your model number (J1207P) and purchase information ready when contacting support.

Contact information can typically be found on the product packaging or the official Roadjoy website.

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