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› SachsenRAD BA12384 12V Jump Starter with 150 PSI Air Compressor and LED Flashlight User Manual

SachsenRAD BA12384

SachsenRAD BA12384 12V Jump Starter with 150 PSI Air Compressor and LED Flashlight User Manual

Brand: SachsenRAD | Model: BA12384

1. PRODUCT OVERVIEW

The SachsenRAD BA12384 is a versatile and powerful 12V portable jump starter designed for emergency vehicle starting, tire inflation, and mobile device charging. It combines a robust jump starter with an integrated 150 PSI air compressor, a 10,000 mAh power bank, and a multi-mode LED emergency light, making it an essential tool for any vehicle owner.

Key Features:

- **Powerful 12V Jump Starter:** Capable of starting gasoline engines up to 8L and diesel engines up to 10L, delivering up to 1200A peak current.
- **Integrated 150 PSI Air Compressor:** Features accurate pressure monitoring, automatic shut-off at preset pressure, and support for 4 pressure units. Ideal for vehicle tires, motorcycles, bicycles, and sports balls.
- **Multifunctional 10,000 mAh Power Bank:** Equipped with USB-C output to quickly charge smartphones, tablets, and other USB-powered devices.
- **Comprehensive Safety Protections:** Incorporates eight safety mechanisms including reverse polarity, spark-proof, overcharge, overheating, and overcurrent protection.
- **Practical LED Emergency Lighting:** Offers three light modes (constant, strobe, SOS) for optimal visibility and emergency signaling.
- **Integrated Storage Compartment:** Keeps all accessories organized and prevents loss of individual parts.

2. WHAT'S IN THE BOX

- SachsenRAD BA12384 Jump Starter
- Smart Jumper Clamps
- USB to Type-C Charging Cable
- User Manual
- Four Types of Inflation Nozzles

3. SPECIFICATIONS

Brand	SachsenRAD
Model Number	BA12384
Peak Amperage	1200 Amperes
Battery Capacity	10,000 mAh
Battery Type	Lithium Polymer
Voltage	12 Volts
Air Compressor Pressure	Up to 150 PSI
Engine Compatibility (Gas)	Up to 8.0L
Engine Compatibility (Diesel)	Up to 10.0L
Product Weight	1.1 kg
Dimensions	21 x 18 x 7.5 cm
Vehicle Fit Type	Universal Fit



Figure 1: SachsenRAD BA12384 Jump Starter with dimensions.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the jump starter using the provided USB to Type-C charging cable. Connect the Type-C end to the jump starter's input port and the USB end to a compatible USB power adapter (not included). The LCD screen will display the charging progress.

4.2 Connecting Smart Clamps

Ensure the jump starter is turned off before connecting the smart clamps. Insert the blue plug of the smart clamps firmly into the jump starter's jump start port. The device is now ready for use.



Figure 2: SachsenRAD BA12384 Jump Starter with smart clamps.

5. OPERATING INSTRUCTIONS

5.1 Jump Starting a Vehicle

1. Ensure the jump starter is at least 50% charged.
2. Connect the red (+) clamp to the positive terminal of the vehicle's battery.
3. Connect the black (-) clamp to the negative terminal of the vehicle's battery.
4. Ensure the smart clamps are securely connected and the indicator light on the smart clamp box is green.
5. Start your vehicle's engine.
6. Once the engine starts, immediately remove the smart clamps from the vehicle battery, then disconnect them

from the jump starter.



Figure 3: Jump starter connected to a car battery.

Video 1: Demonstration of using a jump starter to start a car. This video shows the process of connecting the clamps to a car battery and successfully starting the vehicle's engine.

5.2 Using the Air Compressor

1. Connect the inflation hose to the air compressor port on the jump starter.
2. Attach the appropriate inflation nozzle to the hose and secure it to the item you wish to inflate (e.g., tire valve).
3. Turn on the jump starter and select the desired pressure unit (PSI, BAR, KPA, kg/cm²).
4. Set the target pressure using the controls on the device.
5. Press the start button to begin inflation. The compressor will automatically stop once the preset pressure is reached.



Figure 4: Jump starter with integrated air compressor inflating a tire.

Video 2: Demonstration of a jump starter with power bank and air compressor features. This video highlights the multi-functionality of the device, including its use for tire inflation and charging other devices.

5.3 Using as a Power Bank

Connect your USB-powered device (e.g., smartphone, tablet) to the jump starter's USB output port using your device's charging cable. The jump starter will automatically begin charging your device. The LCD screen will show the remaining battery percentage of the jump starter.



Figure 5: Jump starter functioning as a power bank, charging a smartphone.

5.4 Using the LED Flashlight

Press and hold the power button for 3 seconds to turn on the LED flashlight. Press the power button again to cycle through the three light modes: constant illumination, strobe, and SOS signal. Press and hold the power button again to turn off the flashlight.

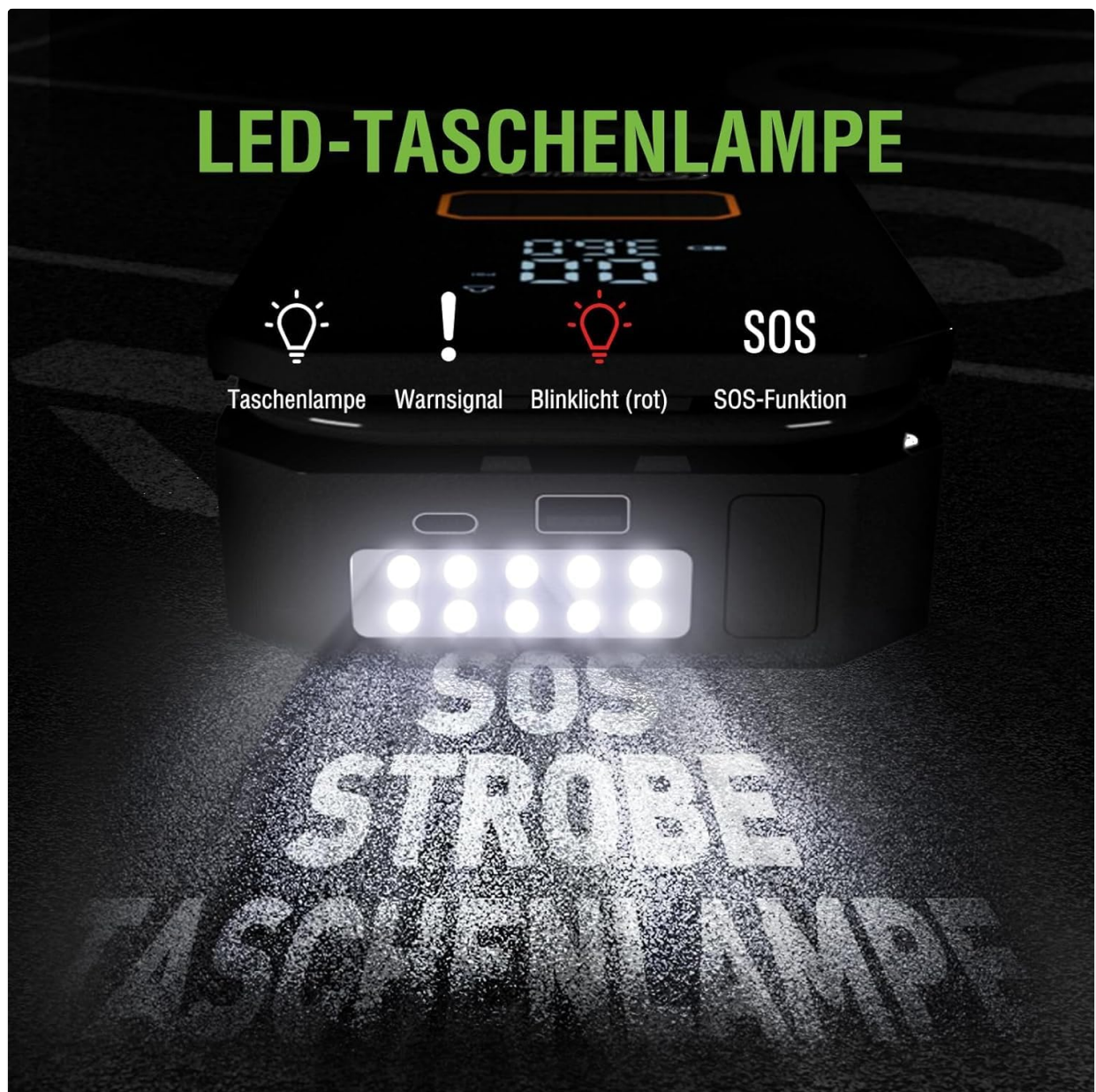


Figure 6: Jump starter's LED flashlight with multiple modes.

6. SAFETY PRECAUTIONS

- Always read the user manual completely before operating the device.
- Do not jump start a frozen battery.
- Ensure proper polarity connection (red to positive, black to negative) to avoid sparks or damage.
- Do not connect the positive and negative clamps together.
- Keep the device away from children.
- Do not expose the device to extreme temperatures or direct sunlight.
- Do not disassemble the device.
- Use only the provided smart clamps and charging cable.
- Remove the jump starter from the vehicle battery immediately after starting the engine.

7. MAINTENANCE

- Store the jump starter in a cool, dry place when not in use.
- Recharge the device every 3-6 months to maintain battery health, even if not used.
- Clean the exterior of the device with a soft, damp cloth. Do not use harsh chemicals.

- Inspect the smart clamps and cables for any damage before each use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not start	Low battery on jump starter Incorrect clamp connection Vehicle battery completely dead	Recharge jump starter Check polarity and secure connection Try again after a few minutes, or consult a mechanic
Air compressor not inflating	Hose not properly connected Target pressure not set Inflation nozzle not sealed	Ensure hose is securely attached Set desired pressure on the device Check nozzle connection for leaks
Device not charging external devices	Charging cable faulty Device not compatible Jump starter battery too low	Try a different USB cable Ensure device is USB-compatible Recharge the jump starter

9. WARRANTY AND SUPPORT

The SachsenRAD BA12384 Jump Starter comes with a standard manufacturer's warranty. For detailed warranty information, product support, or service inquiries, please refer to the contact information provided on the product packaging or visit the official SachsenRAD website. Please retain your proof of purchase for warranty claims.