leowin 1003

leowin Jump Starter with Air Compressor Model 1003 User Manual

Model: 1003 | Brand: leowin

Introduction Safety Information Package Contents Product Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

The leowin Model 1003 is a versatile portable device designed for automotive emergencies and general utility. It combines a powerful jump starter for 12V vehicles, a smart air compressor for tire inflation, an LED flashlight with multiple modes, and a portable power bank for charging electronic devices. This manual provides essential information for safe and effective use of your leowin 1003.

2. Important Safety Information

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

- Always wear eye protection and protective clothing when jump starting a battery.
- Do not operate the jump starter if it is damaged or has been modified.
- Keep out of reach of children.
- Do not expose the unit to rain or wet conditions.
- Do not use the jump starter to charge non-rechargeable batteries.
- Ensure proper polarity connection (red clamp to positive, black clamp to negative) to avoid sparks or damage.
- Do not short-circuit the jumper clamps.
- Avoid prolonged use of the air compressor to prevent overheating. Allow for cooling periods.
- Store the device in a cool, dry place away from direct sunlight and flammable materials.

3. Package Contents

Verify that all items are present in your package:

- leowin Jump Starter Main Unit
- Intelligent Battery Clamps (Jumper Cables)
- USB-C Charging Cable
- Air Hose
- 4 Different Inflator Nozzles
- Carrying Case
- User Manual (this document)
- Quick Reference Card



Image: All components included in the leowin Jump Starter package.

4. Product Overview

The leowin 1003 is a compact, multi-functional device. Familiarize yourself with its main features:

- **Jump Starter:** Capable of starting 12V vehicles with up to 9.0L gasoline or 6.5L diesel engines. Features 4500A peak output.
- **Air Compressor:** High-performance 150 PSI air pump with 5 preset modes and 4 pressure units (PSI, BAR, KPA, KG/cm²). Automatic shut-off when desired pressure is reached.
- **Power Bank:** 10000mAh battery capacity with USB output for charging phones and other devices.
- **LED Light:** Integrated flashlight with Emergency Lights, Normal Strobe, and SOS signal modes.
- **LCD Display:** Provides real-time information on battery status, air pressure, and operational modes.



Image: The leowin 1003 main unit, highlighting its display and controls.

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Video: Overview of the leowin Jump Starter with Air Compressor, demonstrating its features.

5. Setup and Charging

Before first use, fully charge the leowin 1003 unit. It is recommended to keep the unit charged above 50% for optimal performance, especially for jump starting.

1. Connect the provided USB-C charging cable to the unit's input port.
2. Connect the other end of the USB-C cable to a compatible USB wall adapter (not included) or a car charger.
3. The LCD display will show the charging status. Charge until the battery indicator shows full.

A full charge typically takes several hours. Disconnect the charger once fully charged.



Image: The leowin 1003 unit being charged or used as a power bank.

6. Operating Instructions

6.1. Jump Starting a Vehicle

Ensure the jump starter is at least 50% charged before attempting to jump start a vehicle.

1. **Connect Smart Clip:** Insert the intelligent battery clamps into the jump starter's dedicated port. Ensure a firm connection.
2. **Connect to Battery:** Connect the red (+) clamp to the positive terminal of the vehicle's battery and the black (-)

clamp to the negative terminal. The smart clip's indicator light will show the connection status. A solid green light indicates a correct and safe connection.

3. **Start Vehicle:** Once the indicator is green, start your vehicle's engine.
4. **Remove Clamps:** After the vehicle starts, immediately remove the intelligent battery clamps from the car battery, then disconnect them from the jump starter.



Image: Step-by-step guide for jump starting a vehicle.

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Video: Detailed unboxing and demonstration of the leowin Jump Starter and Tire Inflator, including jump start procedure.

6.2. Using the Air Compressor

The integrated air compressor can inflate tires for cars, motorcycles, bicycles, and various inflatables.

1. **Connect Air Hose:** Screw the air hose securely into the air output port on the jump starter.
2. **Attach to Tire Valve:** Connect the other end of the air hose to the tire valve stem. Ensure it is tightly sealed to prevent air leakage.

3. **Set Pressure:** Turn on the unit. Use the 'M' button to cycle through preset modes or pressure units (PSI, BAR, KPA, KG/cm²). Use the '+' and '-' buttons to set the desired target pressure.
4. **Start Inflation:** Press the power button to begin inflation. The compressor will automatically stop once the preset pressure is reached.
5. **Disconnect:** Remove the air hose from the tire valve and then from the jump starter.



Image: The leowin 1003 functioning as a cordless tire inflator.



Image: Included nozzles for inflating various items.

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Video: Demonstration of jump starting and tire inflation on a riding mower.

6.3. Using as a Power Bank

The leowin 1003 can charge your electronic devices via its USB output port.

1. Connect your device's USB charging cable to the USB output port on the jump starter.
2. The jump starter will automatically begin charging your device.
3. Monitor your device's charging status. Disconnect when charging is complete.

6.4. Using the LED Light

The built-in LED light offers multiple modes for various situations.

1. Press and hold the light button to turn on the flashlight (Emergency Lights mode).

2. Press the light button again to cycle through Normal Strobe and SOS signal modes.
3. Press and hold the light button again to turn off the LED light.



Image: The leowin 1003 LED light in use, demonstrating its three modes.

7. Maintenance

Proper maintenance ensures the longevity and reliability of your leowin 1003.

- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the device in its carrying case in a cool, dry place between 0°C and 40°C (32°F and 104°F). Avoid direct sunlight and extreme temperatures.
- **Charging:** Recharge the unit every 3-6 months, even if not in use, to maintain battery health.
- **Battery Care:** Do not fully discharge the unit for extended periods.

8. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is fully discharged.	Charge the unit fully using the USB-C cable.
Vehicle does not jump start.	Incorrect clamp connection; Unit battery too low; Vehicle battery severely damaged.	Check clamp polarity (red to +, black to -). Ensure unit is sufficiently charged. Consult a mechanic if vehicle battery is severely damaged.
Air compressor not inflating.	Air hose not securely connected; Target pressure not set; Unit battery too low.	Ensure air hose is tightly screwed. Set desired pressure on the LCD. Charge the unit.
Smart clip indicator light is red or flashing.	Reverse polarity; Short circuit; Over-temperature; Low voltage.	Disconnect and re-connect clamps correctly. Allow unit to cool if overheated. Charge the unit.

9. Specifications

- **Brand:** leowin
- **Model Number:** XM-1003
- **Battery Cell Composition:** Lithium Polymer
- **Voltage:** 12 Volts
- **Product Dimensions:** 4.53"D x 5.12"W x 8.2"H
- **Vehicle Service Type:** ATV, Car, Motorcycle, etc. (Universal Fit)
- **Battery Capacity:** 10000 Milliamp Hours
- **Peak Output Current:** 4500 Amps
- **Air Compressor Pressure:** 150 PSI (Max)
- **Gas Engine Compatibility:** Up to 9.0L
- **Diesel Engine Compatibility:** Up to 6.5L
- **Manufacturer:** Yuyao Xingming Intelligent Technology Co., Ltd
- **UPC:** 766122480235

10. Warranty and Support

The leowin Jump Starter with Air Compressor Model 1003 comes with a**1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or any questions regarding the operation of your device, please contact our customer support team. Refer to the contact information provided on the quick reference card or the official leowin website.
Please have your model number (XM-1003) and proof of purchase ready when contacting support.

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Example: How do I reset this device or fix this error?

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