NEXPOW AP1

NEXPOW AP1 Jump Starter with Air Compressor User Manual

Model: AP1

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your NEXPOW AP1 Jump Starter with Air Compressor. Please read this manual thoroughly before using the device and retain it for future reference. The NEXPOW AP1 is a versatile portable device designed to jump start 12V vehicles, inflate tires, and serve as a power bank for electronic devices.

Image: The NEXPOW AP1 Jump Starter with Air Compressor, showing its main unit, jumper cables, and various accessories.

SAFETY INFORMATION

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

- Do not operate the jump starter if it is damaged.
- Do not jump start a frozen battery.
- Ensure proper polarity connection (red clamp to positive, black clamp to negative). Reverse connection can cause damage.
- Do not allow the red and black clamps to touch each other.
- Keep out of reach of children.
- Use in a well-ventilated area.
- Do not expose the device to rain or wet conditions.
- Do not disassemble the unit. Contact customer support for service.
- When using the air compressor, allow the unit to cool down after 5-10 minutes of continuous operation to prevent

overheating.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x NEXPOW AP1 Jump Starter with Air Compressor
- 1 x Smart Jumper Cable with Protection System
- 1 x USB-A to USB-C Charging Cable
- 1 x USB-C to USB-C Cable
- 1 x Cigarette Lighter Converter
- 4 x Valve Adapters
- 1 x Air Hose
- 1 x Zipper Carry Case
- 1 x User Manual

Image: A visual representation of all items included in the NEXPOW AP1 product package, neatly arranged.

PRODUCT OVERVIEW

Familiarize yourself with the components of the NEXPOW AP1 unit:

- **Main Unit:** Contains the battery, air compressor, and control panel.
- **LCD Display:** Shows battery level, pressure readings, and operational status.
- **Power Button:** Activates the device.
- **LED Flashlight:** Integrated light with multiple modes.
- **USB-A Output Port:** For charging external devices (18W Max).
- **Type-C Input/Output Port:** For charging the unit and external devices (PD60W Max).
- **Air Hose Port:** Connection point for the air hose.
- **Jumper Cable Port:** Connection point for the smart jumper cables.

Image: A close-up view of the NEXPOW AP1's large LCD display, showing battery level, KPA, BAR, and PSI units.

SETUP AND CHARGING

Initial Charge

Before first use, fully charge the NEXPOW AP1. It is recommended to fully charge the unit every 3-6 months to maintain battery health.

1. Connect the provided USB-C to USB-C cable to the Type-C IN/OUT port on the AP1.

2. Connect the other end of the cable to a 60W PD wall charger (not included) or a compatible USB power adapter.

3. The LCD display will show the charging status. A full charge typically takes about 2 hours with a 60W PD charger.

Image: The NEXPOW AP1 unit connected to a wall charger via a USB-C cable, illustrating the quick charge capability.

OPERATING INSTRUCTIONS

Jump Starting a Vehicle

The NEXPOW AP1 can jump start 12V vehicles with up to all gas or 10L diesel engines.

1. Ensure the jump starter is at least 50% charged.

2. Turn off the vehicle's ignition and all accessories.

3. Insert the smart jumper cable into the jumper cable port on the AP1 unit.

4. Connect the red (+) clamp to the positive (+) terminal of the vehicle's battery.

5. Connect the black (-) clamp to the negative (-) terminal of the vehicle's battery.

6. Check the indicator light on the smart jumper cable.

   - **Solid Green:** Ready to jump start.
   - **Solid Red with Beep:** Reverse polarity or short circuit. Disconnect and re-connect correctly.
   - **Flashing Green:** Battery voltage too low (below 1V). Proceed to step 7.

7. If the indicator is solid green, start the vehicle. If it's flashing green, press and hold the "FORCE START" button on the smart jumper cable for 3 seconds until the green light becomes solid, then start the vehicle within 30 seconds.

8. Once the vehicle starts, immediately remove the clamps from the car battery, first the black (-) and then the red (+).

9. Disconnect the smart jumper cable from the AP1 unit.

Image: A close-up of the NEXPOW AP1's smart jumper cable connected to a car battery, highlighting the "FORCE START" button for completely dead batteries.
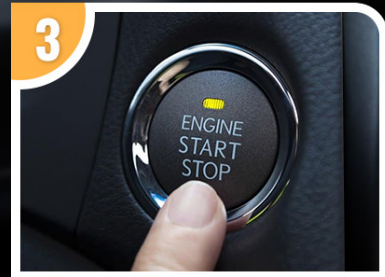
Image: A three-step visual guide demonstrating how to jump start a car: insert jumper cable, connect clamps to battery, and start the engine.

Using the Air Compressor

The integrated 150 PSI air compressor can inflate tires and other inflatables.

1. Connect the air hose to the air hose port on the AP1 unit.
2. Attach the air hose nozzle firmly to the tire valve stem or appropriate valve adapter for other inflatables.
3. Press the power button to activate the unit. The screen will display the current pressure.
4. Press the "PUMP" button to cycle through pressure units (PSI, BAR, KPA).
5. Use the "+" and "-" buttons to set the desired target pressure.
6. Press and hold the "PUMP" button for 3 seconds to start inflation. The compressor will automatically stop when the preset pressure is reached.
7. Disconnect the air hose from the tire valve.

Note: For continuous use, allow the compressor to cool down for 5 minutes after every 5-10 minutes of operation to prevent overheating.

Image: The NEXPOW AP1 unit inflating a car tire, showcasing its 150 PSI capability and LCD screen for pressure display.

Image: A four-step visual guide demonstrating how to inflate a tire: connect hose, power on, set pressure, and start inflation.

Using as a Power Bank

The AP1 can charge various electronic devices via its USB-A and Type-C ports.

- Connect your device's charging cable to either the USB-A OUT port (18W Max) or the Type-C IN/OUT port (PD60W Max) on the AP1.
- The AP1 will automatically begin charging your device.

Image: The NEXPOW AP1 unit charging a smartphone and wireless earbuds, demonstrating its power bank functionality with USB-A and Type-C ports.

Image: The NEXPOW AP1 unit connected to and charging a smartphone and a tablet simultaneously, highlighting its large capacity power bank feature.

Using the LED Flashlight

The built-in 800 lumens LED flashlight offers three modes for various situations.

- **Constant Light:** Long press the LED button for 3 seconds to turn on.
- **SOS Mode:** Short press the LED button once from constant light mode.
- **Strobe Mode:** Short press the LED button twice from constant light mode.
- To turn off, long press the LED button for 3 seconds from any mode.

800 LUMENS FLASHLIGHT

3 LIGHT MODES

FLASHLIGHT
Long press the LED button for 3 seconds

SOS
Short press the LED button

STROBE
Short press the LED button

KPA BAR PSI
100.0
IN
OUT
%

PUMP
BAR/PSI

Image: The NEXPOW AP1 unit with its LED flashlight illuminated, showing the three available light modes: constant, SOS, and strobe.

SUPER BRIGHT EMERGENCY LIGHT

When you are camping, or need to find something in the dark, a flashlight is always needed.

FLASHLIGHT   SOS   STROBE

Image: The NEXPOW AP1 unit providing illumination in a dark outdoor camping setting, demonstrating its super bright emergency light function.

MAINTENANCE

- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the AP1 in its zipper carry case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Recharging:** Recharge the unit every 3-6 months, even if not used, to prolong battery life.
- **Battery Care:** Avoid fully discharging the battery frequently.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is fully discharged.	Charge the unit using a 60W PD charger.
Vehicle does not jump start.	Incorrect clamp connection; vehicle battery too low; unit not sufficiently charged.	Ensure correct polarity. Use "FORCE START" function if battery is below 1V. Ensure unit is at least 50% charged.
Air compressor stops during inflation (H8 error).	Overheating (compressor temperature reached 185°F/85°C).	Allow the unit to cool down for at least 5 minutes before resuming operation.
LCD display shows error codes.	Internal fault or specific operational issue.	Refer to the specific error code in the full user manual (PDF) or contact customer support.
Device not charging from AP1.	AP1 battery low; incorrect cable; device not compatible.	Ensure AP1 is charged. Use appropriate charging cable. Verify device compatibility.

Image: A diagram illustrating the intelligent protection system of the NEXPOW AP1, including features like reverse connection protection, short circuit protection, high temperature protection, low pressure protection, over current protection, and over charge protection.

SPECIFICATIONS

Feature	Detail

Feature	Detail
Model	AP1
Peak Current	4000A
Jump Start Capacity	All Gas / 10L Diesel Engines (12V)
Air Compressor Pressure	150 PSI (Max)
Type-C Input/Output	PD60W Max (5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A)
USB-A Output	18W Max (5V/3A, 9V/2A, 12V/1.5A)
Flashlight Brightness	800 Lumens
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Dimensions	12"D x 4.5"W x 3.9"H
Weight	6.7 Pounds
Battery Type	Lithium Ion (4 included)

WARRANTY AND SUPPORT

NEXPOW provides two years of technical service support for the AP1 Jump Starter with Air Compressor. For any after-sales questions, technical assistance, or warranty claims, please contact NEXPOW customer support through the retailer where the product was purchased or visit the official NEXPOW website.

For additional information, you may refer to the official User Manual (PDF).

Related Documents - AP1

	NEXPOW AP1 Jump Starter with Air Compressor User Manual Comprehensive user manual for the NEXPOW AP1 Jump Starter and Air Compressor. Learn about its features, specifications, operation, safety warnings, and troubleshooting.
	NEXPOW AP1 Jump Starter with Air Compressor User Manual Comprehensive user manual for the NEXPOW AP1 Jump Starter with Air Compressor, detailing features, operation, specifications, and safety warnings for jump-starting vehicles and inflating tires.

	[NEXPOW Q9B Multi-Function Car Jump Starter User Manual](#) Comprehensive user manual for the NEXPOW Q9B Multi-Function Car Jump Starter. Learn about package contents, product diagram, technical specifications, charging instructions, LED flashlight operation, smart jumper cable usage, jump-starting vehicles, FAQs, troubleshooting, and safety warnings.
	[NEXPOW G17 Portable Car Jump Starter User Manual](#) Comprehensive user manual for the NEXPOW G17 Portable Car Jump Starter, detailing features, specifications, charging instructions, jump-starting procedures, error conditions, warnings, and warranty information.
	[NEXPOW Q10S Multi-Function Portable Car Jump Starter User Manual](#) Learn how to safely operate and maintain the NEXPOW Q10S Multi-Function Portable Car Jump Starter. This user manual provides detailed instructions for jump starting vehicles, charging mobile devices, using the LED flashlight, troubleshooting common issues, and understanding product specifications.
	[NEXPOW T11F Jump Starter & Power Bank User Manual](#) Comprehensive user manual for the NEXPOW T11F Jump Starter & Power Bank, detailing its features, operation, safety instructions, and troubleshooting for jump-starting vehicles and charging devices.