

DANGER.

Prior to use, please read and understand product Safety information. Failure to follow the instructions may result in ELECTRICAL SHOCK, EXPLOSION, or FIRE, which may result in serious INJURY, DEATH, DAMAGE to device or PROPERTY! DO NOT discard this INFORMATION!

What's in the BOX

- N02 Lithium Jump Starter (Built-in Anti-reverse Protection)
- 12V/1A portable car charger (DC 3.5*1.35mm, cable length 100cm)
- jumper clamps
- 16.8V cigarette lighter car battery charger (for charging a car battery with N02) (DC 5.5*2.1mm, cable length 230mm)
- Micro USB cable
- 12V/1A wall charger (DC 3.5*1.35mm, cable length 100cm)
- User guide & information guide and Warranty

N02 Introduction

The N02 is an ultra-compact and portable Lithium-Polymer used jump starter for cars, motorcycles, boats, RVs, lawn mowers, ATVs, tractors, trucks and more. It's extremely safe for anyone to use. The N02 can instantly jump start most single-battery devices, up to 20 times with a single charge. The N02 is also equipped with a USB power bank function and LED flashlight, making it the ultimate emergency tool.

Before Started

The N02 come partially charged and needs to be fully charged before use. Carefully read and understand the vehicle owner's manual on precautions and recommended methods for jump-starting the vehicle. Make sure to determine the voltage and chemistry of the battery by referring to your battery owner's manual prior to using this product. The N02 is for jump starting 12-volt lead-acid batteries only.

Connecting to the Battery

Verify that you have a 12-volt lead-acid battery before connecting to the battery. The N02 is not suitable for any other type of battery. Identify the correct polarity of the battery terminals for your vehicle. The positive battery terminal is typically marked by three letters or symbol {POS, P, +}. The negative battery terminal is typically marked by these letters or symbol {NEG, N, -}. Do not make any connections to the fuel lines, carburetor, or thin sheet metal parts. The below instructions are for a negative ground system {most common}. If your vehicle is a positive ground system {very uncommon}, follow the instructions below in reverse order.

- 1} Connect the positive {red} battery clamp to the positive { POS, P, +} battery terminal.
- 2} Connect the negative {black} battery clamp to the negative {NEG, N, -} battery terminal or vehicle chassis.
- 3} When disconnecting in the reverse sequence, removing the negative first or {positive first for positive ground systems}

Jump Starting Steps

- 1} Verify the voltage and chemistry of the battery.
- 2} Make sure all of the vehicle's power loads {headlights, air conditioning, radio, etc.} are turned off before attempting to jump start the vehicle.
- 3} Connect the EC5 connector to the N02. The boost LED will flash red and green, the N02 go into standby mode
- 4} Confirm the battery clamps are connected to the correct polarity battery terminals. Press the BOOST Button, LED light will turn into a solid green light, the N02 is ready to jump start your vehicle.
- 5} If the battery clamps are connected correctly, but the boost LED is still flashing red and green, press the BOOST button for 3 seconds, then the Boost LED will turn into solid green, the N02 is ready to jump start your vehicle.

6) Try starting the vehicle, most vehicles will immediately start. Some vehicles may require the N02 to be connected for up to 30 seconds before starting. If the vehicle does not start right away, wait 20-30 seconds and try again. Do not attempt more than five (5) consecutive jump starts within a fifteen (15) minute period. Allow the N02 to rest for fifteen (15) minutes before attempting to jump start the vehicle again.

7) Once you have started your vehicle, disconnect the battery clamps, and remove the N02.



Low voltage batteries & manual override

The N02 is designed to jump start 12-volt lead-acid batteries down to 2-volts. If your battery is below 2-volts, the boost LED will flash in red. This is an indication that the N02 can not detect a battery. If you need to jump start a battery 2-volts there is a Manual Override Feature, which allows you to force “on the jump start function.



Caution on Manual Override Mode

Use this mode with extreme care. This mode is for 12-volt lead-acid batteries only. Both the built-in anti-reverse protection and reverse polarity protection features are disabled. Pay very close attention to the polarity of the battery before using this mode. Do not allow the positive and negative battery clamps to touch or connect to each other as the product will generate sparks. This mode uses very high current {up to 1200 AMPS} that can cause sparks and high heat if not used properly. If you are unsure about using this mode, do not attempt and seek professional help.

Before using the manual override feature, Make sure the battery clamps are connected to the correct polarity battery terminals and the clamp connect is connected to the N02. To use the manual override feature, press and hold the BOOST button for {3} seconds The Green Boost LED will be green indicating you have successfully entered into Manual Override and it is ready to jump start your vehicle. If connected in reverse polarity the RED error LED will illuminate and the unit will not operate.

N02 user Interface

1. Internal Battery Level.

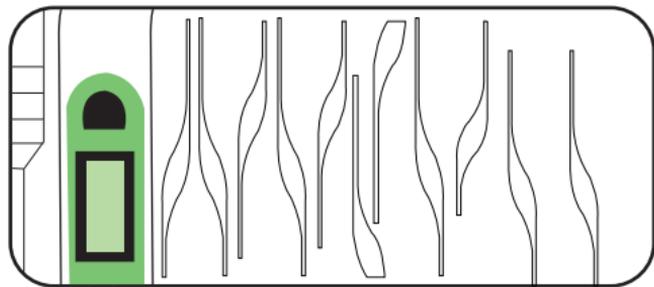
Indicates the power percentage of the internal battery LCD screen will display "USB Out, if no load, it will turn off for 30s

2. Power Button

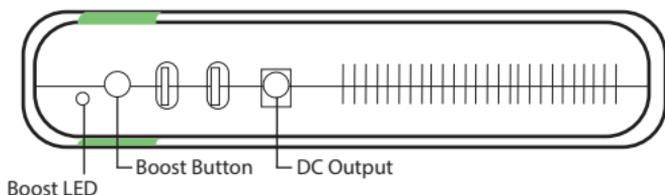
Push and hold to turn unit "On" & "Off"

3. DC Output.

Press Power button, connect to the cigar lighter to the charge the car battery



Internal Battery Level
Power Button/Light Mode Button



Understanding Error Conditions

The N02 shall display an error condition when you reverse polarity condition is present, a battery below two (2) volts, or internal battery overheating. When one of these error conditions are present, the following will happen

Error	Reason/Solution
Error LED Solid Red	Reverse polarity/ Reverse the battery Connections

Error LED Blinking Red w/cables connected Properly	The internal battery is too hot/bring the unit into cooler environment
Boost Light does not come on w/cables connected properly	Connected battery is below 2-volts/ remove all loads, and try again, or use manual override mode

Charging the N02

Connect the N02 using the included USB charge cable to the USB in port and the USB car charger. It can be recharged from any USB powered port like an AC adapter, Car charger, laptop and more. The USB In port is rated at 5V/2.1 Amps and 15V/V1 amps to ensure safe and efficient charging of the internal lithium battery due to FCC regulations, we recommend not to charge and discharge the unit at the same time.

N02 charging times

The time to recharge the N02 will differ based on the discharge level and the power source used. Actual results may vary due to battery conditions.

USB Charging Rating		
	15V/1A	5V/2A
Estimated Time	3.5hr	6hr

Charging your USB Devices

You can charge virtually any USB devices. Connect the included USB charge cable to the USB Out port and connect to your USB device. Any 5V USB (White) devices, Quick Charge 3.0 USB (Blue) 3.6V-12V devices.

LED Flashlight

The N02 has an integrated ultra-bright LED flashlight. It has three (3) light modes: Flashlight, SOS, Strobe

The N02 has a built in energy saving feature that will automatically turn the unit off after one (1) minute. To continue using simply power on the unit again.

Technical Specifications

Internal Battery:	Lithium Polymer
Peak Current Rating	1200A
Operating Temperature	-20°C to +50°C -4.0 F to + 122 F
Capacity:	44.4Wh
Storage Temperature	-20°C to +50°C -4.0 F to + 122 F (Avg. Temp)
Input	5V/2A 15V/1A
USB 1 (output)	5V, 2.1A
USB 2 (output)	QC 3.0
DC (output)	12V/8A
Dimensions { L x W x H}	7.1x3.2x1.4 Inches
Weight	2.4 Pounds
Cold Cranking Amps	600A