

AstroAI S8 Air Jump Starter and Tyre Inflator Power Pack User Manual

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S8 Air Jump Starter and Tyre Inflator Power Pack

AstroAI



JUMP STARTER WITH AIR COMPRESSOR USER MANUAL

INTRODUCTION

Thank you for purchasing the AstroAI Jump Starter with Air Compressor.

This product uses the ultra-powerful discharge technology of a lithium battery to help users jumpstart car batteries that are fully depleted or in a low-temperature environment. It also functions as an air compressor, power bank and emergency flashlight; it is a must-have tool for the outdoors.

We hope this product protects you on your journeys. AstroAI strives to build tools that help you enjoy all of life's adventures.

Questions or concerns? You are welcome to contact us via

support@astroai.com.

Please fully read and follow this manual before using this product and keep it for future reference.

WARNINGS

- Fully read this manual before using the product, incorrect usage may damage the product.
- Fully charge the product before use.
- This product contains small accessories which are a choking hazard for young children. Keep out of reach of children.
- Do not aim the nozzle at people or any part of the human body.
- Extended use is not recommended. Please cool down the product for at least 10 minutes after 10 minutes of continuous use.
- Please check the preset value and unit before use. Do not overinflate the tire, high pressure may cause

injuries.

- The inflation hose will heat up during use, be mindful of the heat.
- Do not use the product as a car battery and do not use it to start the car while the jump starter is charging.
- Do not connect the red clamp to the black clamp.
- The product is intended only to start 12V vehicles and is prohibited for use on non-12V equipment such as aircraft and 24V vehicles/boats.
- Only use this product with the included battery clamps. Do not use the jumper clamps or cables if they appear damaged.
- Take off any metal accessories, such as rings, bracelets, or necklaces before operating the jump starter.
- Before starting your car, clean the battery terminals and inspect the jumper clamps for any damage. Dirty terminals and damaged clamps can affect performance.
- Non-professionals should not disassemble, remodel, or repair the product.
- Fully insert the battery clamp's blue plug into the socket. Failure to do so may damage the device.
- Repeatedly jumpstarting your vehicle in a short time frame will increase the likelihood of damage. To prevent this, ensure the jump starter has adequate breaks in between each use.
- If you are using the jump starter several times in a row, allow a 60-second break in between each use.
- Promptly remove the jump starter from the vehicle's battery after successfully jumpstarting your car. Failure to do so may cause damage.
- Do not place the product in a high temperature, humid environment, or near flammable materials or strong magnetic fields.
- Be aware of the product's charging, working, and storage temperature range. Do not expose it to direct sunlight or leave it in a high-temperature environment for a long time.
- Handle the product with care to avoid dropping and other severe impacts.
- If any abnormalities occur (e.g. overheating, smoking, or burning) while using the jump starter, please turn it off, remove the clamps, and immediately contact AstroAI customer support.
- You may dispose of the lithium battery according to local guidelines when its service life has ended.

PACKAGE INCLUDES

Jump Starter with Air Compressor x 1

Air Hose x 1

Smart Battery Clamps x 1

Air Nozzle x 1

USB-A to USB-C Charging Cable x 1

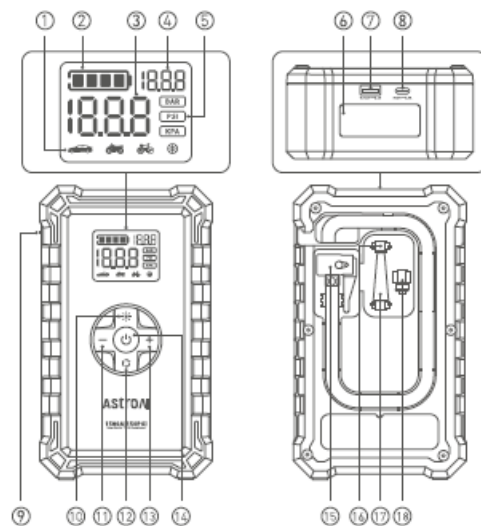
Storage Bag x 1

Presta to Schrader Adapter x 1

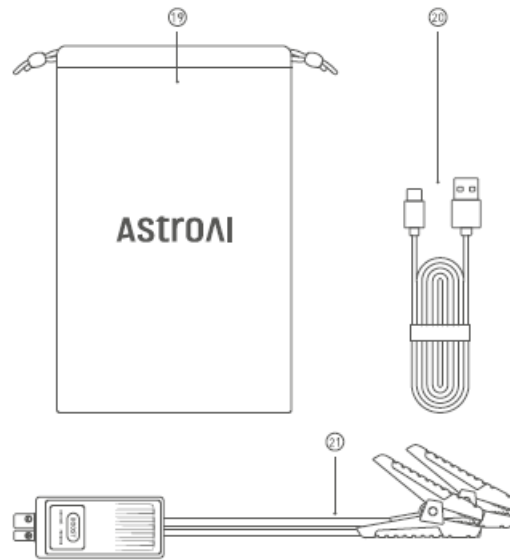
User Manual x 1

Needle Valve Adapter x 1

DIAGRAM



1. Inflation Mode Display
2. Battery Level
3. Real-Time Pressure Value
4. Preset Pressure Value
5. Units
6. LED Flashlight
7. 5V = 2.4A USB-A Output Port
8. 5V = 2A USB-C Input Port
9. 12V Jump Start Port
10. Light Button
11. "-" Button
12. Mode Button
13. "+" Button
14. Power Button
15. Inflation Hose
16. Needle Valve Adapter
17. Air Nozzle
18. Presta to Schrader Adapter



19 Storage Bag

20 USB-A to USB-C Charging Cable

21 Smart Battery Clamps

PREPARATION

How to Charge

To charge the jump starter, connect the included charging cable's USB-C end into the device's charging port and the cable's USB-A end to the power source. The power source can be any USB source like 5V wall chargers, car chargers, etc.

(Note: charging block not included)

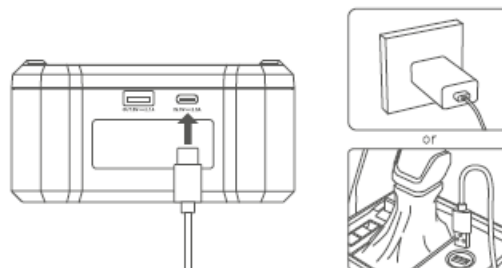
Indicator – Battery Level

1 Bar Under 25%

2 Bars Between 25% and 50%

3 Bars Between 50% and 75%

4 Bars Between 75% and 100%



While charging, the power bars will flash from one to another. When a bar changes from flashing to fully illuminated, it is charged to that level. The remaining bars will continue flashing in a cycle until all four bars are illuminated. The screen will turn off when the charging is complete.

Ensure the Pressure Value is Correct

To avoid overinflation, please confirm the maximum inflation pressure of the objects being inflated. Overinflating may cause explosions and personal injuries.

Tires

- The recommended tire pressure is usually noted on the tire's sidewall. Tire pressure recommendations/maximums can also be found on the inside of the driver's door.
- Check your vehicle's instructions/user manuals for information about the load-bearing capacity and recommended tire pressure.

Balls

The recommended pressure can be found on the air valve of soccer balls, basketballs, volleyballs and most other balls.

Air Pressure Reference Table

Category	Type	Recommended Pressure Range
Bicycles	Electric folding bike tires	10 ~ 50PSI (0.7 ~ 3.5Bar)
	12-, 14-, & 16-inch bicycle tires	30 ~ 50PSI (2.1 ~ 3.5Bar)
	20-, 22-, & 24-inch bicycle tires	40 ~ 50PSI (2.8 ~ 3.5Bar)
	26-, 27.5-, & 29-inch mountain bike tires	45 ~ 65PSI (3.1 ~ 4.5Bar)
	Electric scooter tires	40 ~ 50PSI (2.8 ~ 3.5Bar)
	700c road bike clincher tires	100 ~ 130PSI (6.9 ~ 9.0Bar)
Balls	700c road bike tubular tires	120 ~ 145PSI (8.3 ~ 10.0Bar)
	Basketball	7 ~ 9PSI (0.5 ~ 0.6Bar)
	Soccer ball	8 ~ 16PSI (0.6 ~ 1.10Bar)
	Volleyball	4 ~ 5PSI (0.3Bar)
Football	Football	12 ~ 14PSI (0.8 ~ 1.0Bar)
Category	Type	Recommended Pressure Range
Motorcycles	Scooter & street motorcycle tires	26 ~ 43PSI (1.8 ~ 3.0Bar)
Cars	Car tires	32 ~ 41PSI (2.2 ~ 2.8Bar)

Note: The above pressure values are for reference only. Read the product's specific user manual or instructions for more.

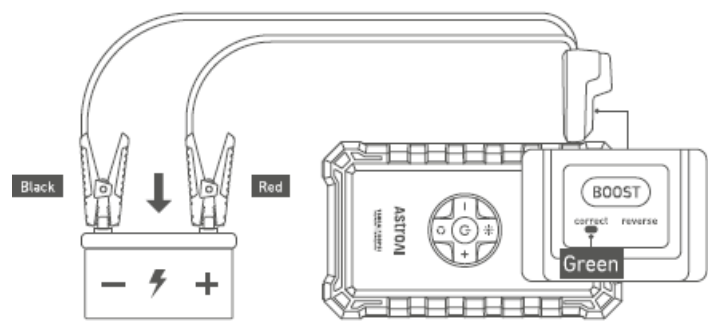
INSTRUCTIONS

How to Jumpstart

Note: For best jumping performance, ensure the jump starter's battery level exceeds 75% and turn off any electrical devices inside your vehicle before starting your car.





1. Fully insert the smart battery clamps into the jump starter's 12V port.
2. Connect the red clamp to the battery's positive terminal (+) and the black clamp to the battery's negative terminal (-). Proceed to the next step when the clamps' indicator remains green. For other indicator statuses, see

the indicator light description table below.



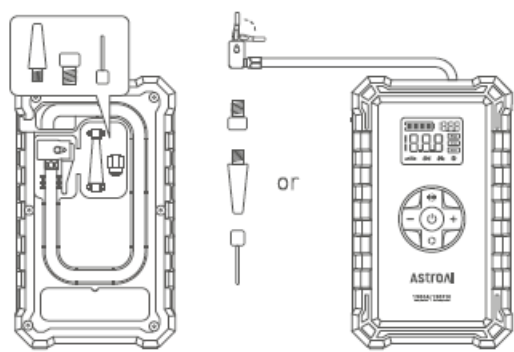
- 3. Start your engine.
- 4. Remove the clamps from the battery.

Indicator Light of the Battery Clamps

Status	Indication	Operation
 Illuminated red	Reversed polarities	Please correctly reconnect the positive and negative terminals of the clamps.
 Illuminated green	Clamps connected correctly	Start your engine directly.
 Flashing green light	Low car battery voltage	Press the Boost Button and wait until the indicator turns green. Then, start your car within 30 seconds.
 No Light	The vehicle battery may be damaged	Retry steps 2 and 3 when the battery clamps are correctly attached, or contact AstroAI for further assistance.

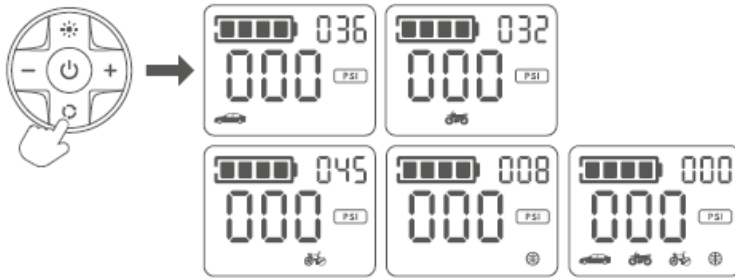
How to Inflate Tires

- 1. Connection: Choose an appropriate nozzle based on the inflatable and tightly connect to it.

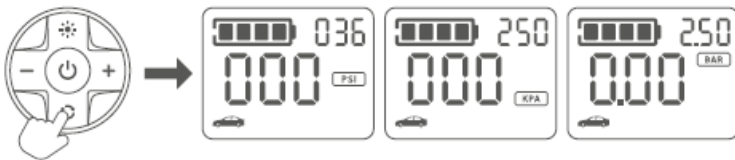


- 2. Setting: Press and hold the Power Button to turn on the unit. Then, choose the appropriate inflation mode and adjust the preset pressure value according to the required air pressure of the inflatable.

- 1 Press the Mode Button to switch between car, motorcycle, bicycle, ball, and custom inflation modes.

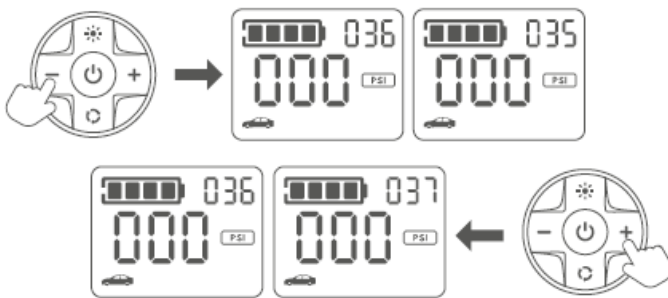


2 Press and hold the Mode Button to switch units between Bar, PSI, and kPa.



3 Press the “+” and “-” Buttons to adjust the preset value by 0.5PSI (0.01 Bar/1kPa) increments.

4 Press and hold the “+” and “-” Buttons to rapidly adjust the preset value .



3. Press the Power Button to start inflating. The machine will automatically stop when the inflation is complete.

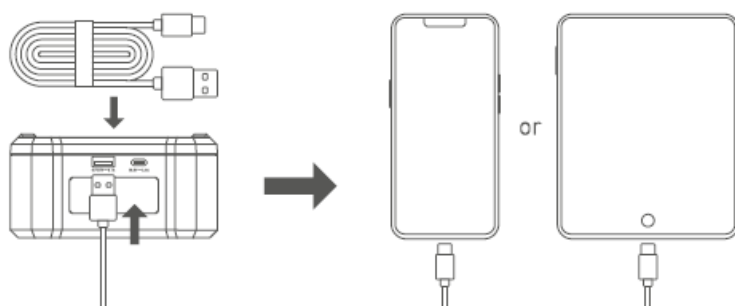
Power Bank Function

1. Insert the charging cable into the jump starter’s USB output port.

2. Connect the other end of the USB charging cable to the device being charged.

3. Press and hold the Power Button for 2 seconds to turn on the device.

The jump starter will automatically detect the devices’ specifications and charge them at the proper voltage.



Illumination Function

When the machine is on, press the Light Button to turn on the LED flashlight, press it again to switch between flashing, SOS, and off modes.

How to Turn the Machine On/Off

Press and hold the Power Button for 2 seconds to turn the machine on and off. It also turns off automatically when there is no external load or output over 90 seconds.

MAINTENANCE

- To maximize the battery's performance and service life, please charge the jump starter when its battery level is lower than 75%.
- Please fully charge the jump starter if it will not be in use for an extended amount of time. Charge it every three months to extend its service life.

SPECIFICATIONS

Model S8 Air

Capacity 37Wh

Jumpstart Current 500A (0.8S); 300A (2.6S)

Peak Current 1500A

USB-C Input 5V 2A

USB-A Output 5V=== 2.4A

Inflating Pressure Range 0 ~150PSI (0 ~ 10.3Bar)

Air Compressor Accuracy +1PSI

Operation Temperature -4~ 122°F (-20 ~ 50°C)

Charging Temperature 32~113°F (0 ~ 45°C)

- This jump starter features four built-in series-connected 3.7V lithium batteries.
- The battery pack capacity is 2500mAh (14.8V), equivalent to 10000mAh (3.7V).

TROUBLESHOOTING/FAQ

Failure to Jumpstart

- Insufficient power level: you may need to charge the jump starter. Please charge your device to 75%

or higher to successfully jumpstart your car.

- Inspect the battery terminals for any rust or dirt, as it could affect the connection quality . Clean up any residue and try again.
- If the jump starter overheats, it will turn on its overheating protection feature and shut down for a few minutes. Once the unit cools down, try again.
- Check if the battery clamps are connected to the wrong terminals (reversed).
- Poor connection between the clamps and battery; ensure a tight connection.
- The vehicle cannot start because of issues unrelated to battery power levels.
- Please use the appropriate equipment to check the battery or error code of the vehicle. This will help identify and address potential issues beyond the jump starter itself .
- Contact AstroAI for after–sales support.

Failure to Power On

- Insufficient power level or the jump starter is still charging.
- Contact AstroAI customer support .

Failure to Charge

- Check if the charging cable is connected correctly.
- Ensure the outlet is powered.
- If the jump starter overheats, it will turn on its overheating protection feature and shut down for a few minutes. Once the unit cools down , try again.
- Contact AstroAI customer support .

Slow Inflation

- Insufficient battery level.
- Check if the air hose leaks.
- Check if there is a good seal on the air hose's ends.
- Check if the inflating object is leaking.

Normal Inflation, but the Pressure Value is Zero

The object's pressure value is too low to detect.

ERROR CODE ANALYSIS

E1 Error

Abnormal inflation- the device has been continuously inflating for 40 seconds, but the air pressure is still under 1.45PSI (10kPa/0.1 Bar).

Solution

Check if the connection is secure or if the inflatable is leaking air. Then press the Power Button to resume

inflation.

E3

E2 Error

Overheating battery cell with abnormal discharging.

Solution

When the cell temperature returns to normal, it will resume normal functionality; keep the device out of direct sunlight.

Error

Battery cell temperature too low; charger inserted but the device is not charging.

Solution

Resume charging once the cell temperature returns to normal.

E4 Error

The air compressor temperature is too high; immediately stop using it.

Solution

When the temperature returns to normal, it will resume its normal functionality.

RECYCLING

You may dispose of the jump starter when its service life has ended,

please recycle the recyclable parts according to local guidelines.

WARRANTY PERIOD

2–Year Limited Warranty from AstroAI

Each AstroAI Jump Starter with Air Compressor will be free from defects in material and workmanship.

This warranty does not cover damage from neglect, misuse, contamination, alteration, accident, or abnormal conditions of operation or handling.


This warranty covers the original purchaser only and is not transferable.

Astroni

Web: www.astroai.com

E-Mail: support@astroai.com

Documents / Resources

	<p>AstroAI S8 Air Jump Starter and Tyre Inflator Power Pack [pdf] User Manual</p> <p>S8 Air Jump Starter and Tyre Inflator Power Pack, S8 Air, Jump Starter and Tyre Inflator Power Pack, and Tyre Inflator Power Pack, Inflator Power Pack, Power Pack</p>
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References

- [User Manual](#)

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