

**JUMP STARTER &
AIR COMPRESSOR**

USER MANUAL

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INTRODUCTION

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

This product can be used as both a jump starter and an air compressor, inflating tires, air mattresses and more. It also functions as a 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.



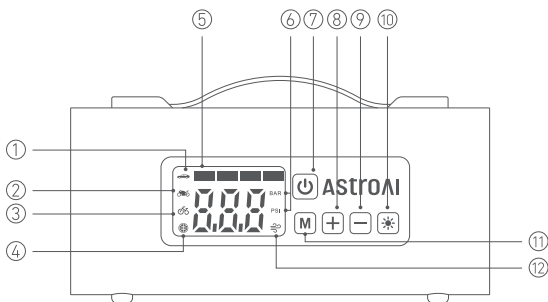
Please fully read and follow this manual before using this product and keep this manual for future reference.

WARNING

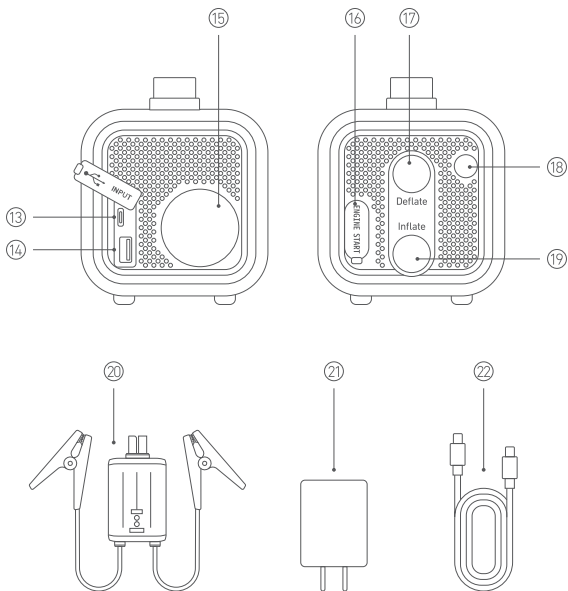
- Contains small accessories which are a choking hazard for young children. Keep out of reach of children.
- The inflation hose will heat up during use, be mindful of the heat.
- Do not overinflate the tire, high pressure may cause damage.
- Allow a 60-second interval between continuous operations to avoid overheating the product.
- Only use the included jumper clamps. Do not use the jumper clamps if the clamps or cables are damaged.
- Do not use the product in hot temperatures or high humidity. Store the product as instructed.
- Do not modify or disassemble the product.
- Keep the product away from flammable liquids and gases, dust, and corrosive liquids.
- The jump start function is only compatible with 12 V vehicles.
- Ensure the blue plug is fully inserted into the socket, or it may burn.
- Ensure the starter's battery level exceeds 60% before attempting to jumpstart your car.
- Do not drop or toss the product. If the product is hit or damaged, it needs to be tested by a qualified battery technician.
- You may dispose of the lithium battery according to local guidelines when its service life has ended.
- Supervise the product while it is inflating.
- Please check the preset value and unit before use.
- Do not aim the nozzle at people or any part of a human body.

- Extended use is not recommended! Please cool down the product for at least 10 minutes after 10 minutes of continuous use.
- Do not store the product at temperatures above 70 °C/158 °F.
- Only charge this product at room temperatures between 32-113 ° F (0-45 °C).

DIAGRAM



- | | |
|-------------------|---------------------|
| ① Car Mode | ⑦ Power Button |
| ② Motorcycle Mode | ⑧ "+" Button |
| ③ Bicycle Mode | ⑨ "-" Button |
| ④ Basketball Mode | ⑩ Light Button |
| ⑤ Battery Level | ⑪ Mode Button |
| ⑥ Units | ⑫ Air Mattress Mode |



⑬ Type-C Input/Output Port

⑭ USB Output Port

⑮ LED Light/SOS

⑯ Battery Clamp Port

⑰ Air Mattress Mode-Deflation Port

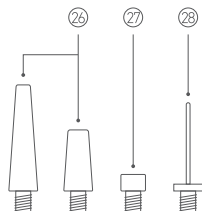
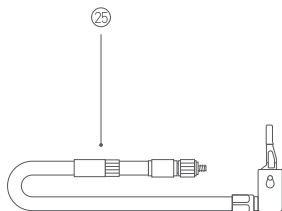
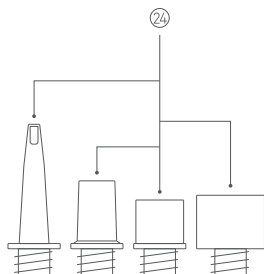
⑱ Tire Inflation Port

⑲ Air Mattress Mode-Inflation Port

⑳ Smart Battery Clamps

㉑ Charger

㉒ USB Charging Cable



②③ Storage Box

②④ 1-4 Air Mattress Nozzle

②⑤ Air Hose

②⑥ 2× Air Nozzles

②⑦ Presta to Schrader Adapter

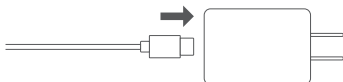
②⑧ Needle Valve Adapter

②⑨ Air Mattress Hose

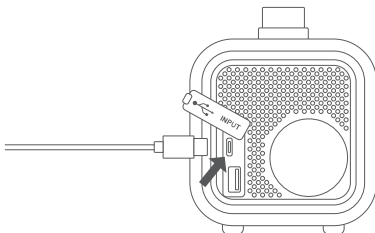
PREPARATION

How to charge the product

1. Connect the USB-C end of the USB charging cable to the charger.



2. Connect the USB-C end of the USB charging cable to the Type-C port of the product.



Indicator

1 Bar 

2 Bars 

3 Bars 

4 Bars 

Battery Level

Under 25%

Between 25% and 50%

Between 50% and 75%

Between 75% and 100%

Note: The battery indicators will illuminate circularly while charging; the illuminated indicators represent the current battery level. If all four of the battery indicators are off, it means 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 objects may cause damage 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

Bicycles

Type	Recommended Pressure Range
Electric folding bike tires	10-50 PSI/0.7-3.5 Bar
12, 14, 16 inch bicycle tires	30-50 PSI/2.1-3.5 Bar
20, 22, 24 inch bicycle tires	40-50 PSI/2.8-3.5 Bar
26, 27.5, 29 inch mountain bike tires	45-65 PSI/3.1-4.5 Bar
Electric scooter tires	40-50 PSI/2.8-3.5 Bar
700 c road bike clincher tires	100-130 PSI/6.9-9.0 Bar
700 c road bike tubular tires	120-145 PSI/8.3-10.0 Bar

Motorcycles

Type	Recommended Pressure Range
Scooter & street motorcycle tires	26-43 PSI/1.8-3.0 Bar

Cars

Type	Recommended Pressure Range
Car tires	32-41 PSI/2.2-2.8 Bar

Balls

Type	Recommended Pressure Range
Basketball	7-9 PSI/0.5-0.6 Bar
Soccer ball	8-16 PSI/0.6-1.1 Bar
Volleyball	4-5 PSI/0.3 Bar
Football	12-14 PSI/0.8-1.0 Bar

Note: Above pressure values are for reference only. Read the object's user manual or instructions for information about the pressure.

INSTRUCTIONS

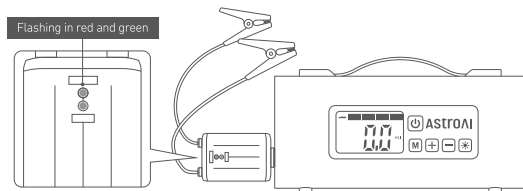
How to jumpstart

1. Turn on the product and plug in the smart battery clamps.

Illuminated red

Cause: Low voltage

Solution: Charge it



2. Connect the smart battery clamps to the vehicle's battery.

Illuminated red, buzzer long beeping

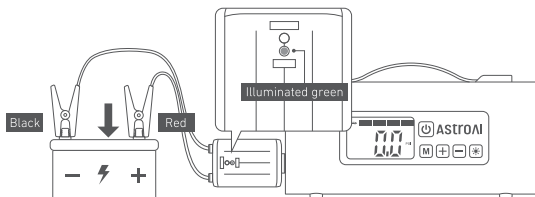
Cause: Short circuit

Solution: Check the circuit or try step 1

Illuminated red, buzzer emitting a short beep sound

Cause: Reversed polarities

Solution: Reverse the clamps

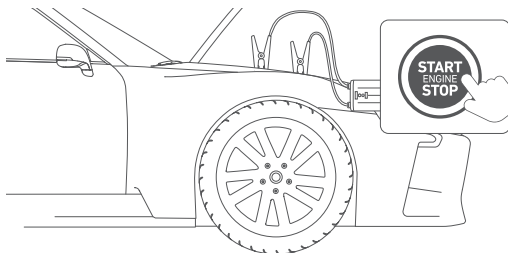


3. Start your engine.

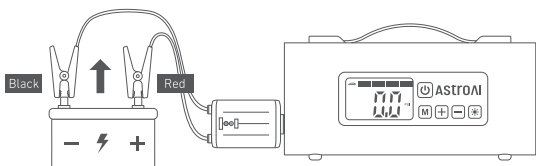
Flashing red light

Cause: Failed to jumpstart in 30s

Solution: Remove the clamps, try step 1



4. Remove the smart battery clamps from the battery.

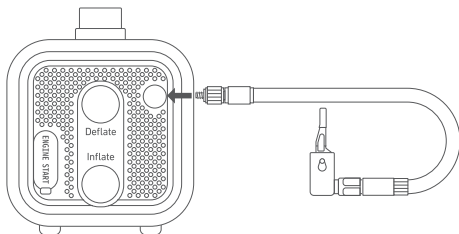


Note:

- A red light illuminating on the smart battery clamps indicates the jump starter has a low battery level.
- Connect the red clamp to the battery's positive terminal (+) and the black clamp to the battery's negative terminal (-).

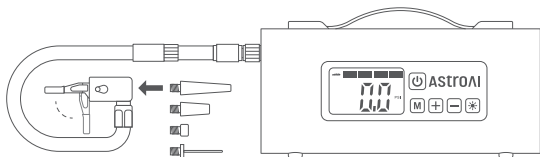
How to inflate tires

1. Turn on the product and connect the air hose to the product.



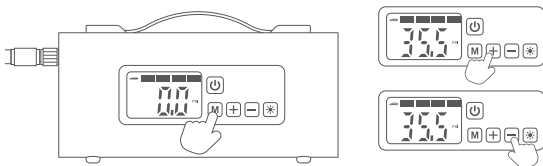
2. Choose the appropriate nozzle for your inflatable.

Note: Firmly flip the small lever to ensure a secure connection.

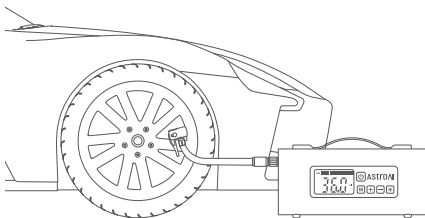


3. Use the "Mode" Button to select inflation mode.

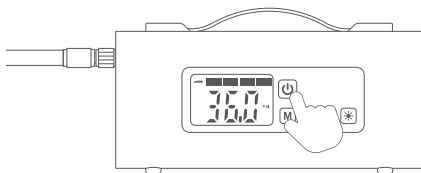
Use the "+" & "-" buttons to adjust the pressure value.



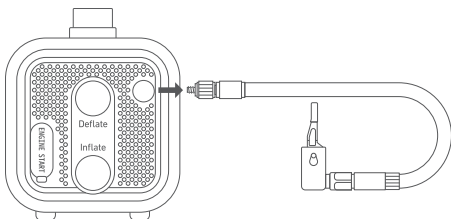
4. Connect the other end of the air hose to the tire valve.



5. Press the Power Button to start inflating.



6. Disconnect the hose from the tire.



Tip:

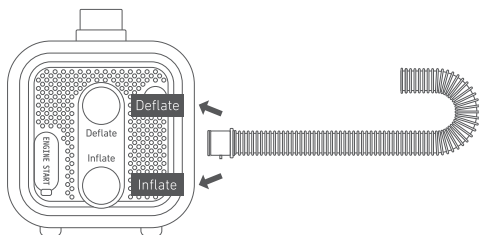
The maximum pressure of the custom mode is 150 PSI, while the other four modes' values are fixed to avoid damages or safety hazards.

Car	58 PSI/4 Bar	Bicycle	150 PSI/10.3 Bar
Motorcycle	51 PSI/3.5 Bar	Basketball	14 PSI/1 Bar

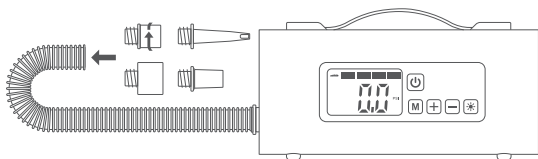
Note: The air hose will heat up during inflation; do not touch the air hose directly. Doing so may cause burns.

How to inflate/deflate air mattresses

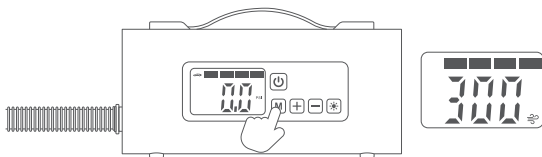
1. Turn on the product. Connect the air mattress hose to the air mattress mode inflation/deflation port.



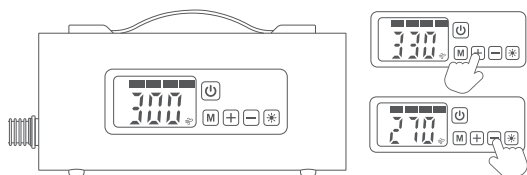
2. Choose a nozzle based on the items being inflated or deflated, horizontally align the hose and accessory nozzle, twist them clockwise along the threads.



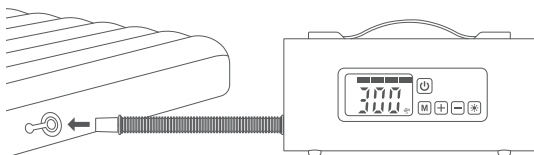
3. Press the "Mode" Button to choose the air mattress mode.



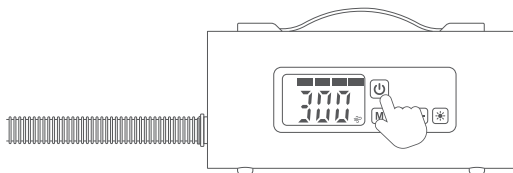
Press the "+" & "-" buttons to adjust inflation/deflation time. The default time is 300 seconds.



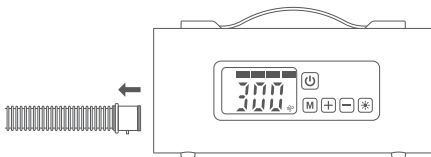
4. Connect the air mattress hose to your air mattress (es).



5. Press the Power Button to start inflating/deflating.



6. Disconnect the hose from the air mattress.



Tip 1:

Connect the air hose to the air mattress mode inflation port for inflation or the air mattress mode deflation port for deflation.

Tip 2:

The default inflation time is 300s, press once to adjust the time by 30 seconds.

Tip 3:

Let the product cool down for 15 minutes after 10 minutes of continuous operation.

Power bank function

1. Insert the USB charging cable into the USB output port or Type-C input/output port of the product.
2. Connect the other end of the USB charging cable to the device being charged.

LED illumination function

Press and hold the Light Button for 2 seconds to turn on the illumination function. Press the Light Button again to choose between Flashlight mode, Strobe mode, SOS mode and OFF.

MAINTENANCE

- To maximize the battery' s performance and service life, please charge the product when its battery level is lower than 75%.
- Please fully charge the product if it is going to be idle for a long time. Charge it every three months to extend its service life.

CODE ANALYSIS

E1

Error: Battery overheating

Solution: Let it cool down

E2

Error: Low battery temperature, failed to charge it

Solution: Within the appropriate temperature range, it will work functionally

E3

Error: Motor overheating

Solution: Let it cool down

E4

Error: More than 10 minutes of continuous working activates the protection function

Solution: Stop the operation and restart it

E5

Error: Insufficient battery level

Solution: Charge it immediately

SPECIFICATIONS

Model	MF159
Capacity	54760 mWh (54.76 Wh)
Jumpstart Current	800 A (1S) 500 A (3S)
Peak Current	2500 A
Tire Inflator Pressure	3-150 PSI, 0.2-10.3 Bar
Tire Inflator Accuracy	±1 PSI
Inflation Speed	220 L/Min
USB-A Output	5 V==2 A
Type-C Input/Output	Maximum PD 30W
Operation Temperature	-4~122 °F; -20~50 °C
Charge Temperature	14~113 °F; -10~45 °C
Time to Fully Charge	Approximately 4 hours for 20W, 3 hours for 30W

TROUBLESHOOTING/FAQ

Q: 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 intact.

Q: If you fail to jumpstart the vehicle, please check the possible causes in order.

- Insufficient power level; you may need to charge the jump starter more. Please keep the battery level higher than 60% to ensure a successful jumpstart.
- Bad connection caused by rust or dirt on battery terminals; please clean the terminals and try again.
- The jump starter activated its overheating protection due to the battery overheating; please try again after it cools down.
- The battery clamps are connected to the incorrect terminals; please ensure the clamps are connected to the correct terminals.
- Poor connection between the clamps and battery; ensure the connection between the clamps and the battery is secure.
- The vehicle cannot start because of issues unrelated to battery levels. Please use the appropriate equipment to check the battery or error code of the vehicle.

Q: Failure to power on

Insufficient power level or the product is charging.

Q: The inflation function is working, but pressure stays at zero

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

Q: Failure to charge

- Check if the charging cable is connected correctly.
- Ensure the outlet is powered.
- The product activated its overheating protection due to the battery overheating; please charge it after allowing it to cool down to room temperature.

PACKAGE INCLUDES

Jump Starter with Air Compressor	× 1	Air Nozzle	× 1
Presta-Schrader Adapter	× 1	Air Hose	× 1
1-4 Air Mattress Nozzle	× 1	USB Charging Cable	× 1
Smart Battery Clamps	× 1	Charger	× 1
Air Mattress Hose	× 1	Storage Box	× 1
Needle Valve Adapter	× 2	User Manual	× 1

RECYCLING

You may dispose of the product 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 craftsmanship.

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.

Web: www.astroai.com

E-Mail: support@astroai.com

V1.2