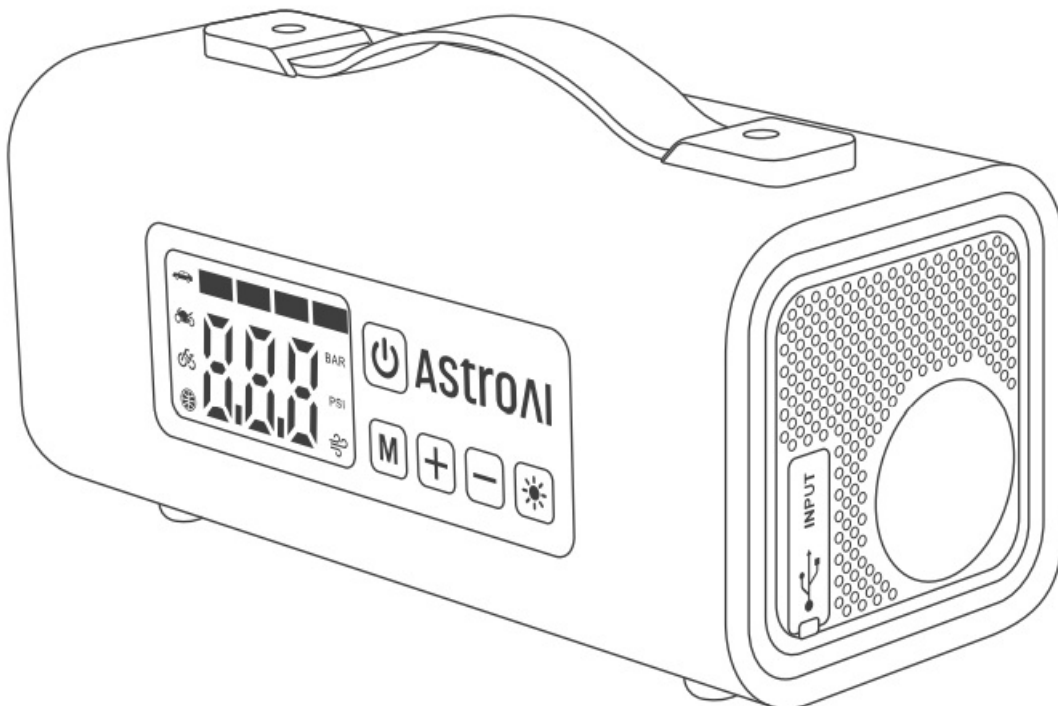




ASTROAI MF159 Jump Starter with Air Compressor and Air Pump User Manual

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AstroAI



**MF159 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.

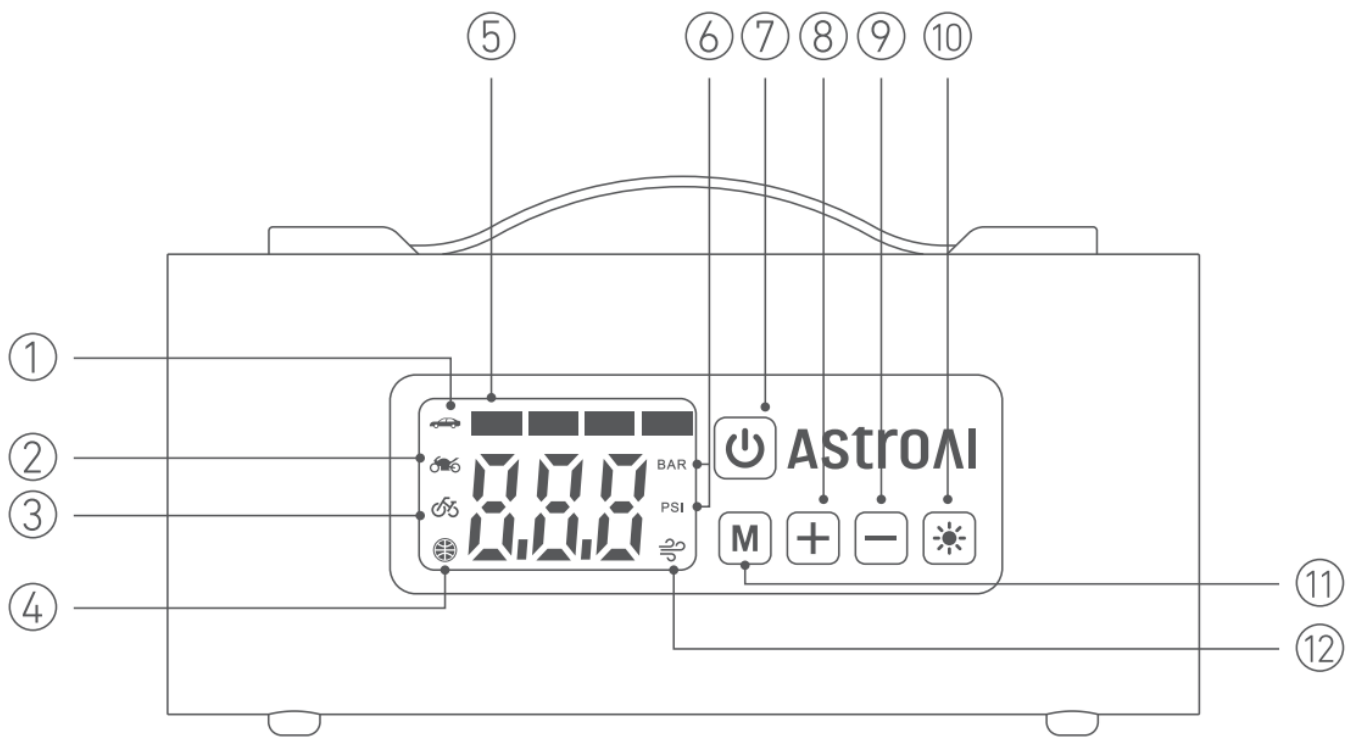


Please fully read and follow this manual before using this product and keep this manual for future reference.

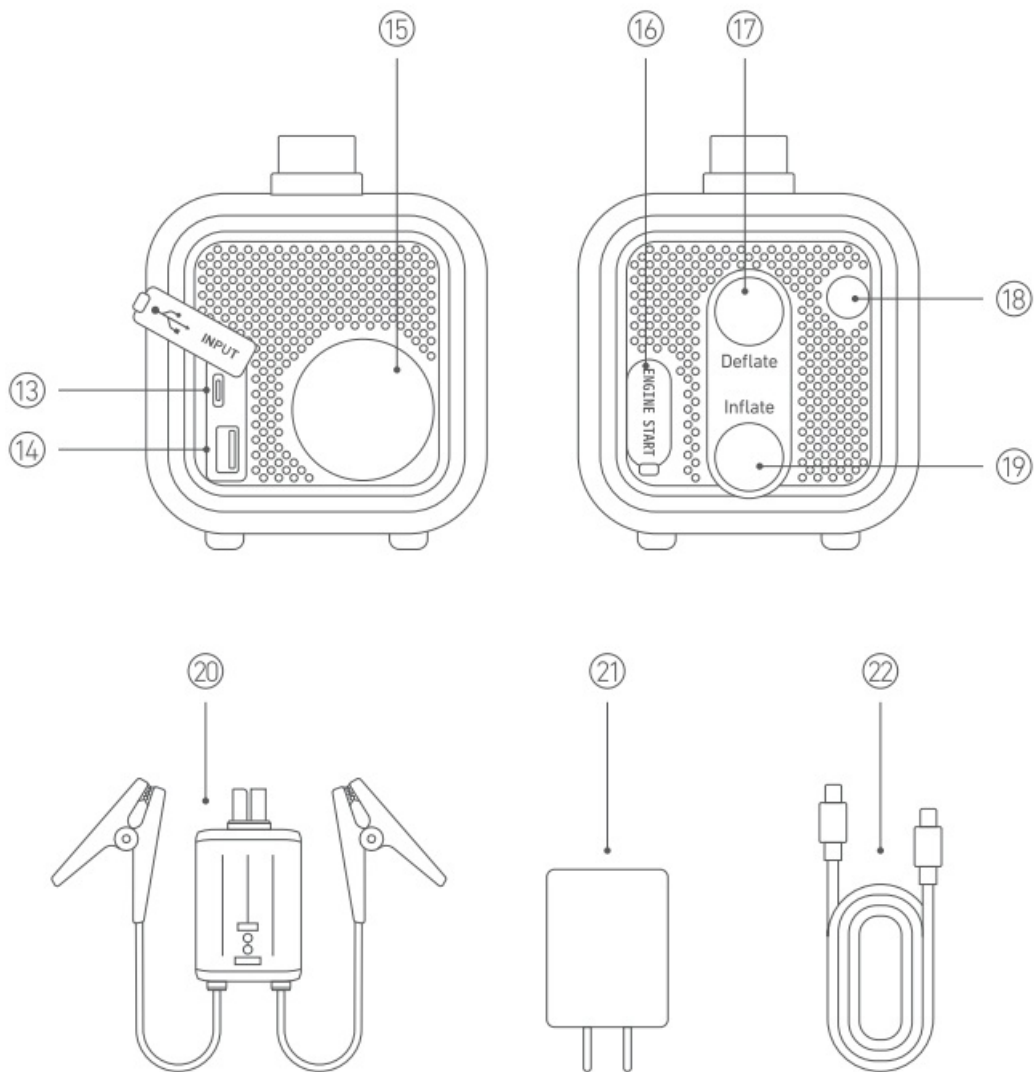
WARNING

- 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°0).

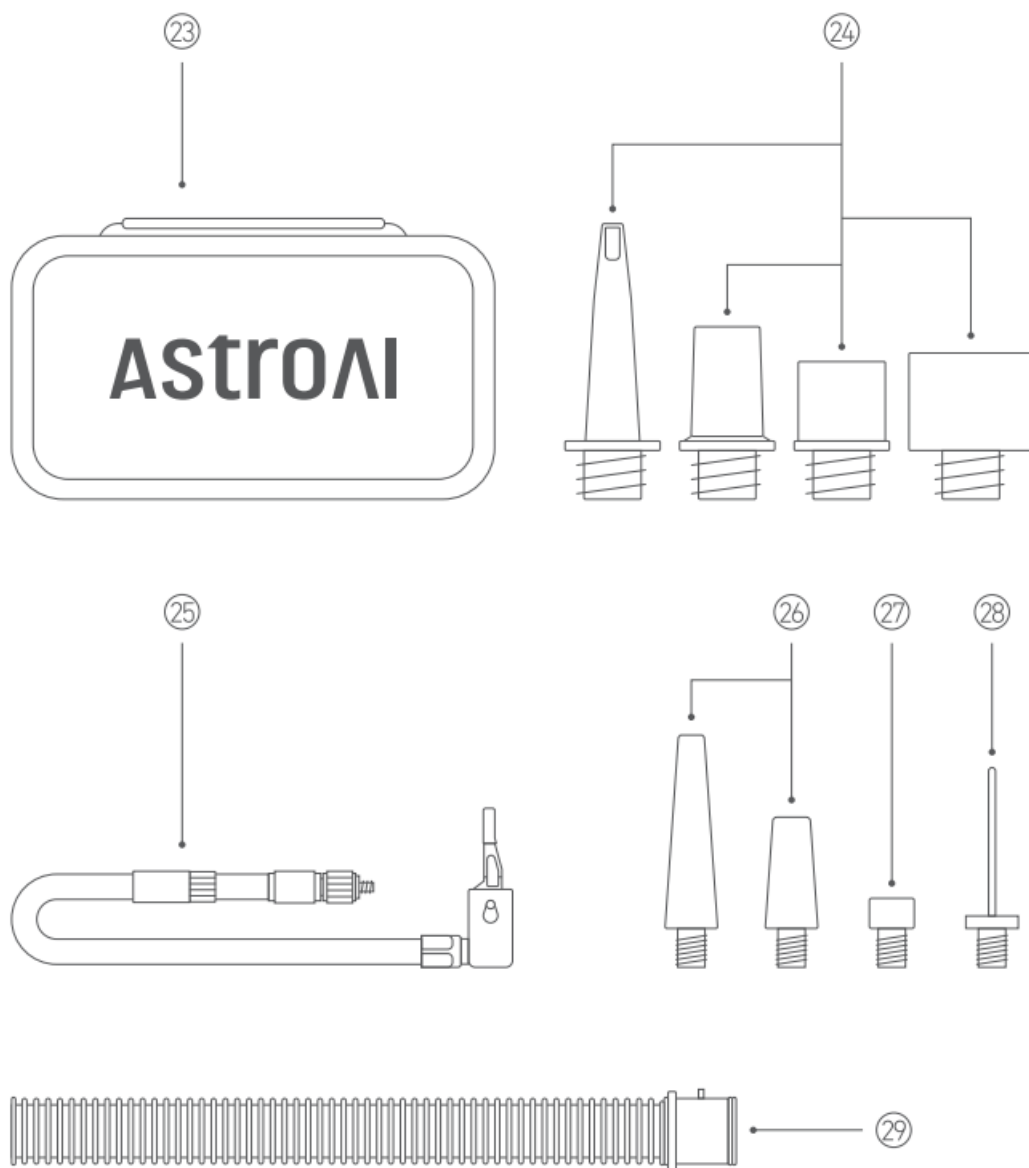
DIAGRAM



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



- 13. Type-C Input 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

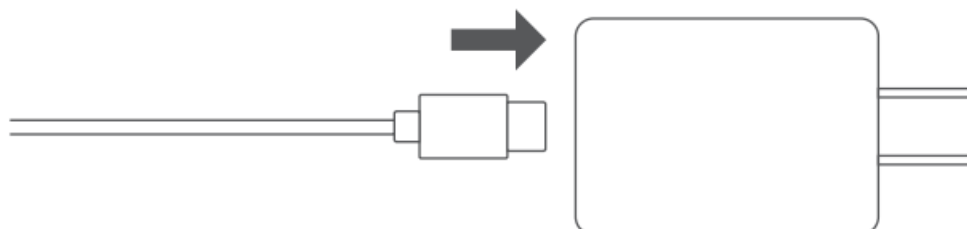


- 23. Storage Box
- 24. 1-4 Air Mattress Nozzle
- 25. Air Hose
- 26. 2x Air Nozzles
- 27. Presta to Schrader Adapter
- 28. Needle Valve Adapter
- 29. Air Mattress Hose

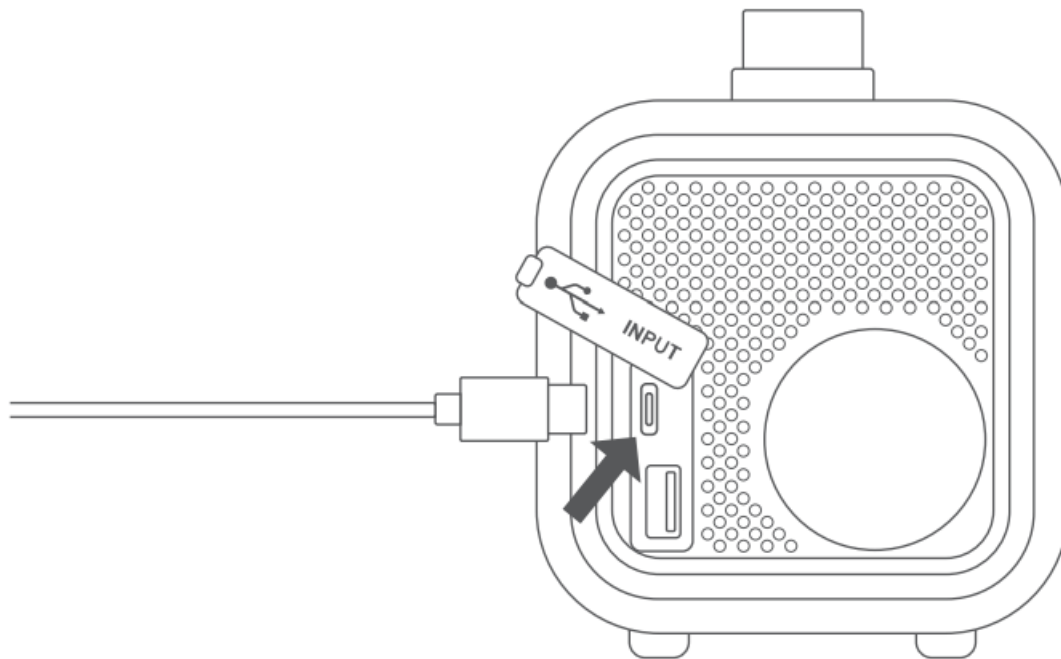
PREPARATION

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 ¢ road bike clincher tires | 100-130 PSI/6.9-9.0 Bar |
| 700 ¢ road bike tubular tires | 120-145 PSI/8.3-10.0 Bar |

Motorcycles

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

Cars

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

Balls

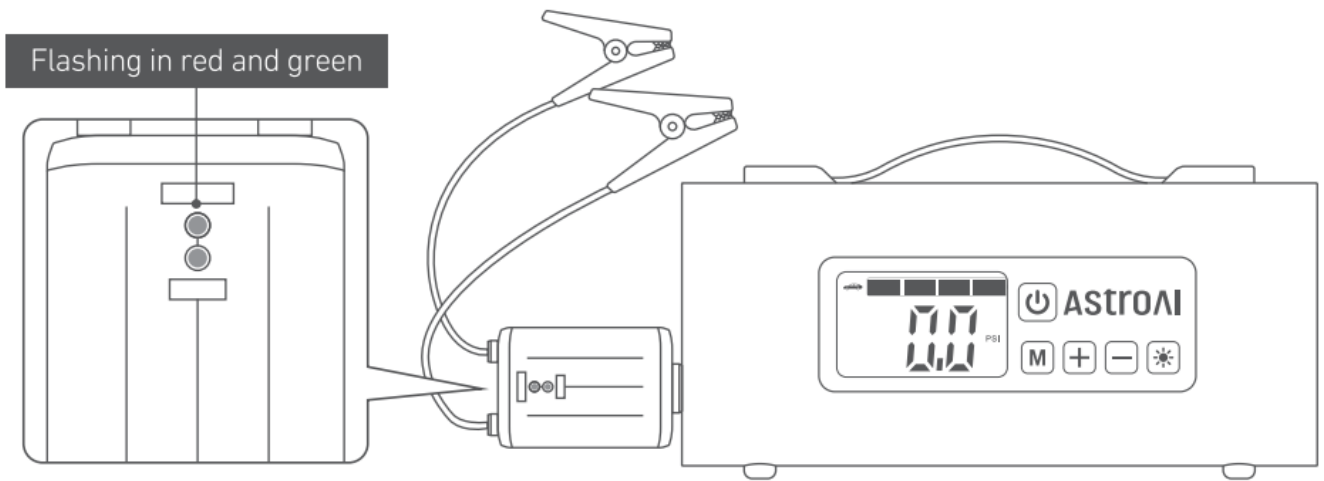
| Type | Recommended Pressure Range |
|-------------|----------------------------|
| Basketball | 7-9 PSI/0.5-0.6 Bar |
| Soccer ball | 8-16PSI/0.6-1.1 Bar |
| Volleyball | 4-5 PSI/0.3 Bar |
| Football | 12-14 PSI/0.8-1.0 Bar |

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

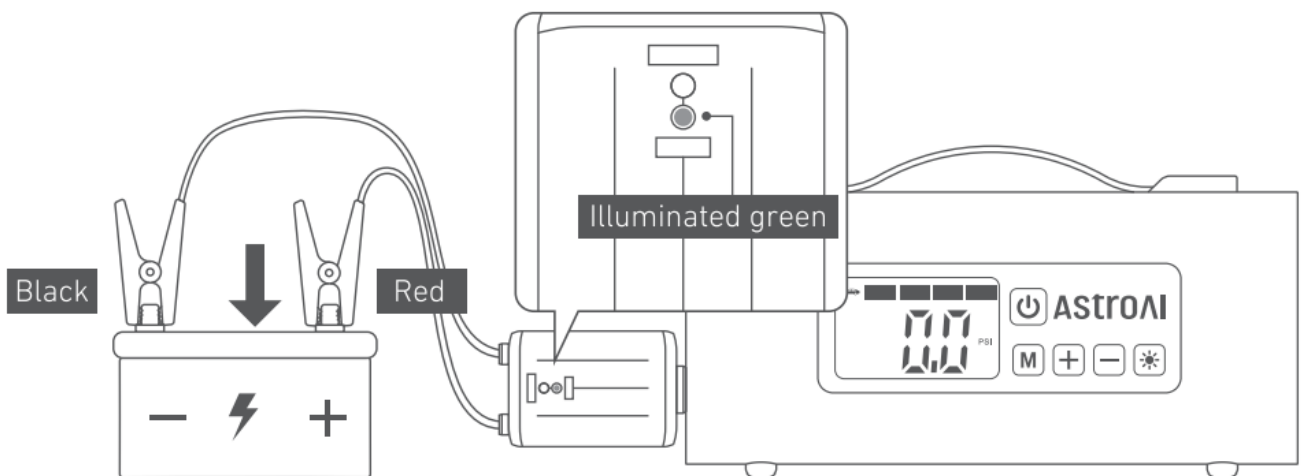
INSTRUCTIONS

How to jumpstart

1. Turn on the product and plug in the smart battery clamps. Illuminated red Cause: Low voltage Solution: Charge it

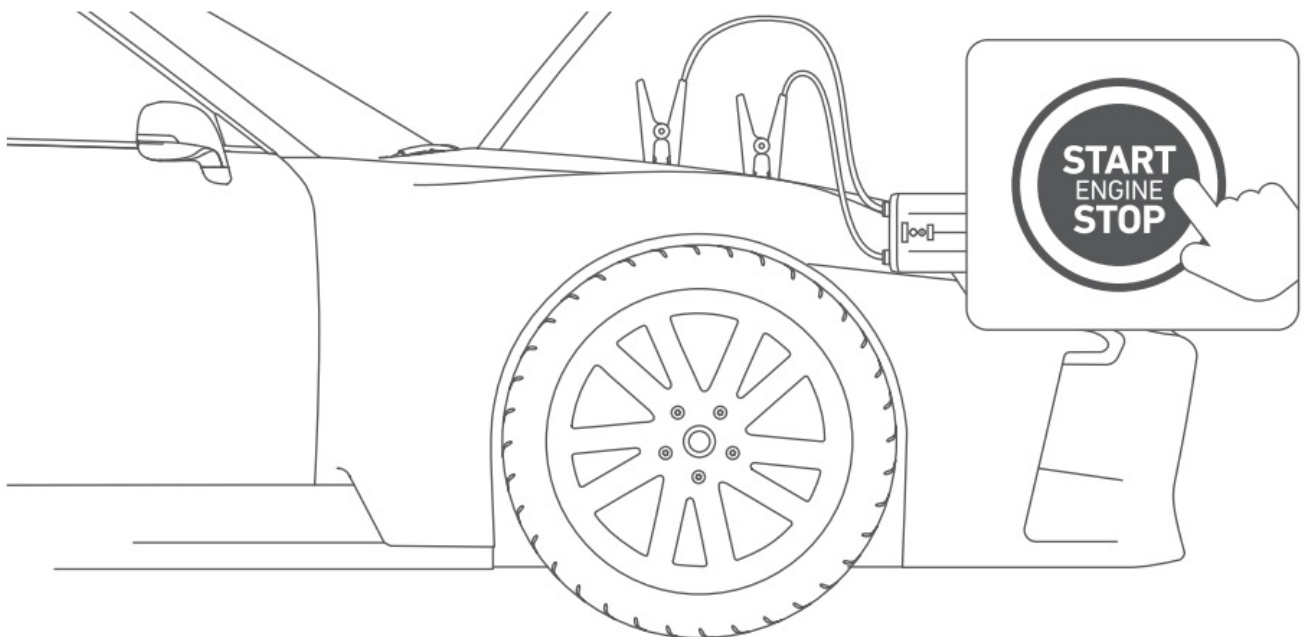


2. Connect the smart battery clamps to the vehicle's battery. Illuminated red, buzzer long beeping Cause: Short circuit Solution: Check the circuit or try step 1 Illuminated red, buzzer emitting a short beep sound Cause: Reversed polarities Solution: Reverse the clamps.

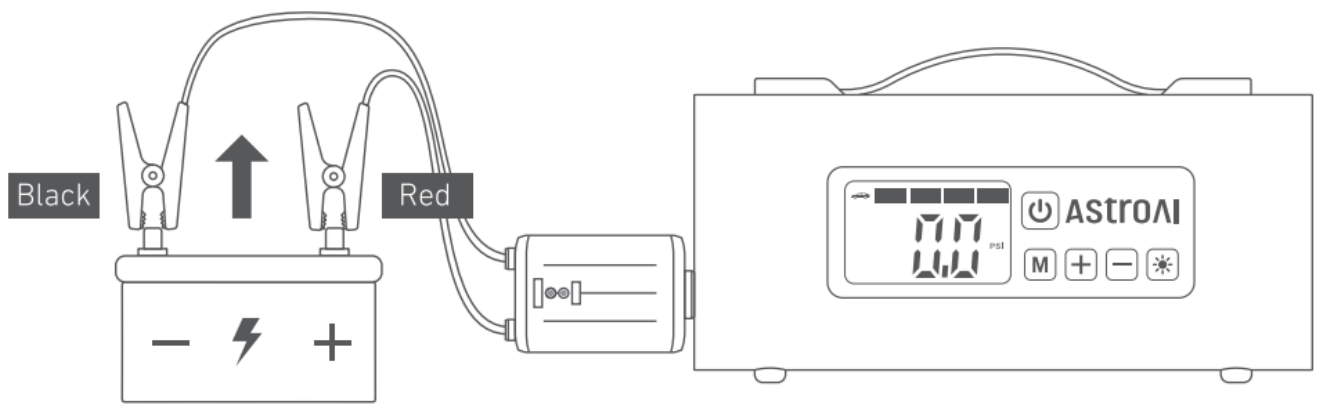


3. Start your engine.

Flashing red light Cause: Failed to jumpstart in 305 Solution: Remove the clamps, try step 1



4. Remove the smart battery clamps from the battery.

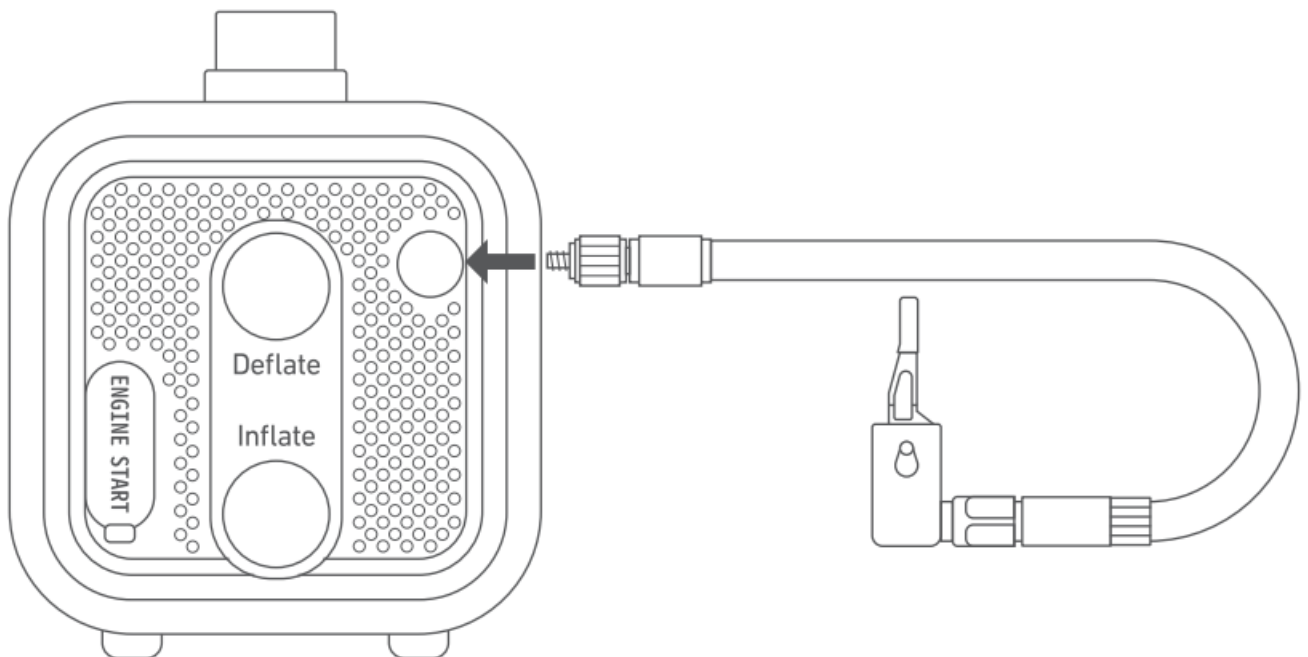


Note:

- 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 (-)

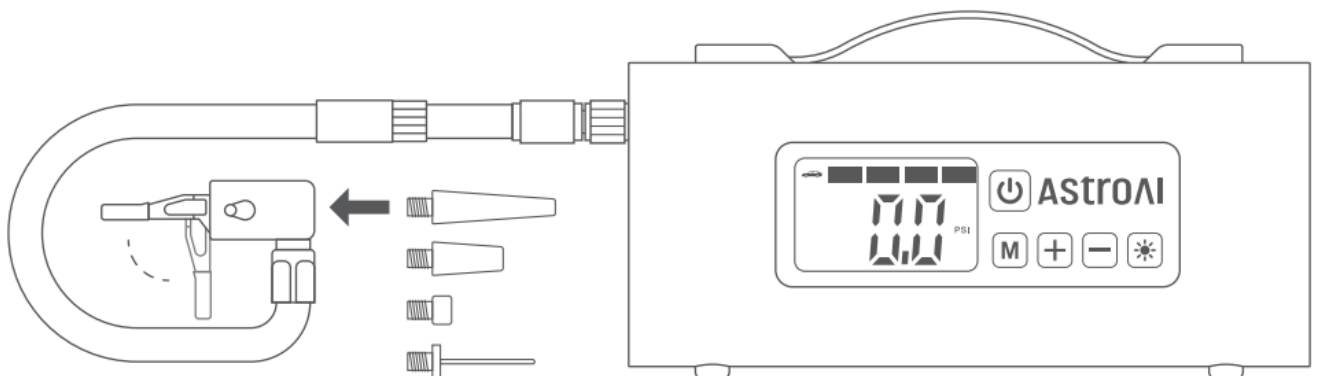
How to inflate tires

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



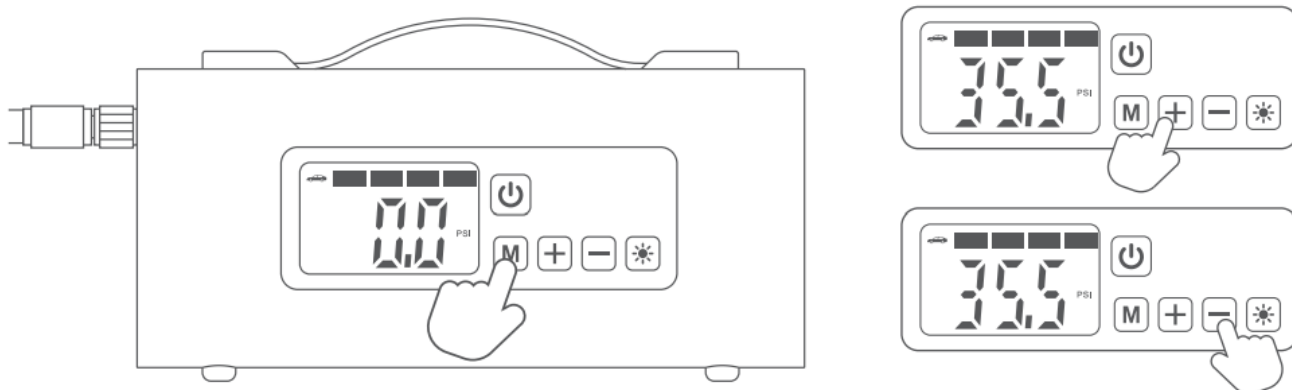
2. Choose the appropriate nozzle for your inflatable.

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

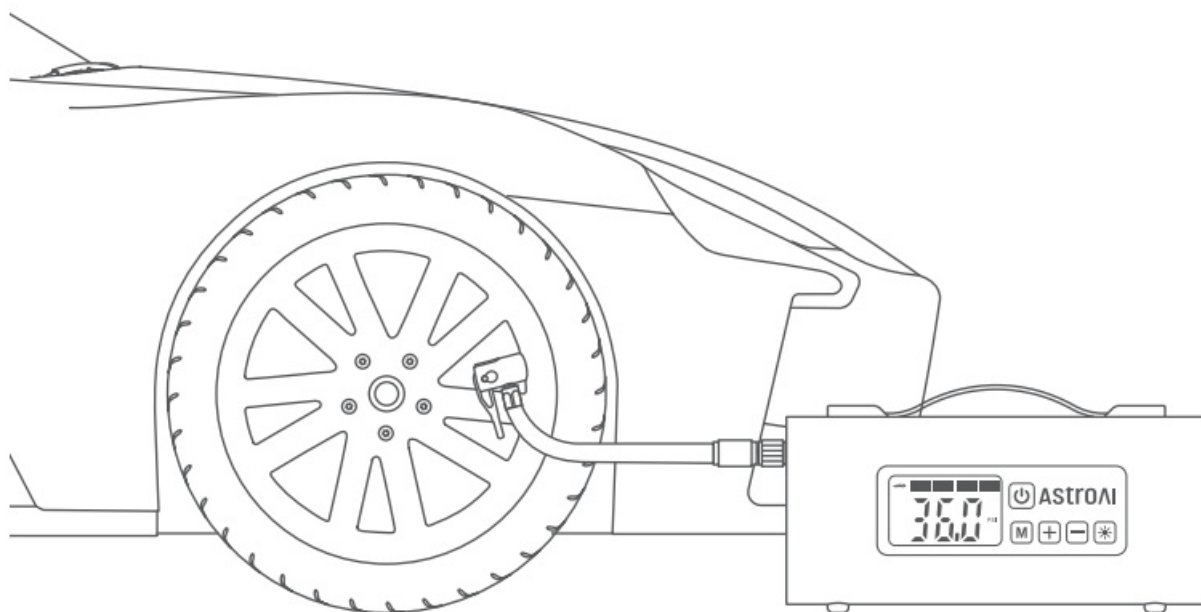


3. Use the "Mode" Button to select inflation mode.

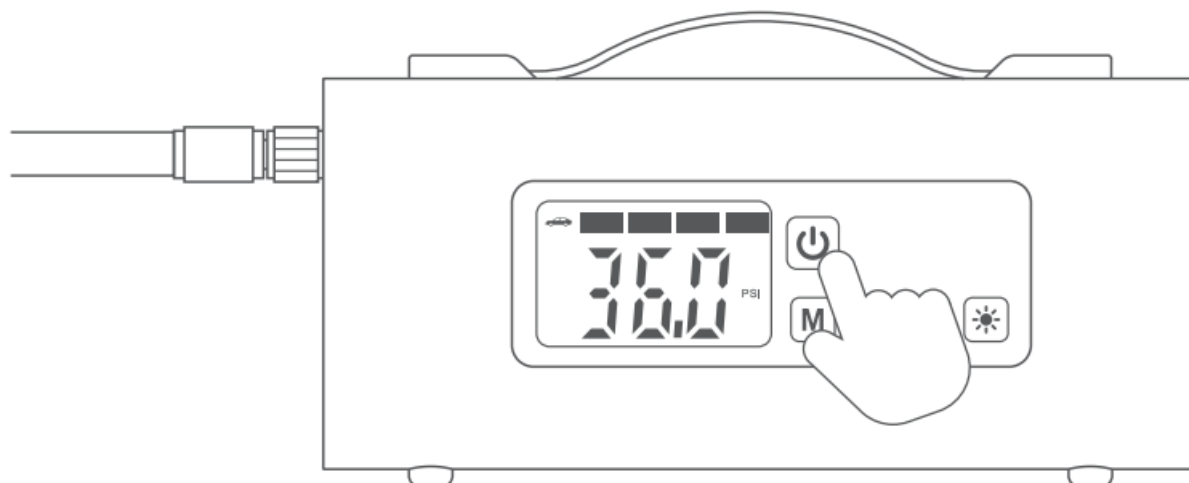
Use the “+” & “TM” buttons to adjust the pressure value,



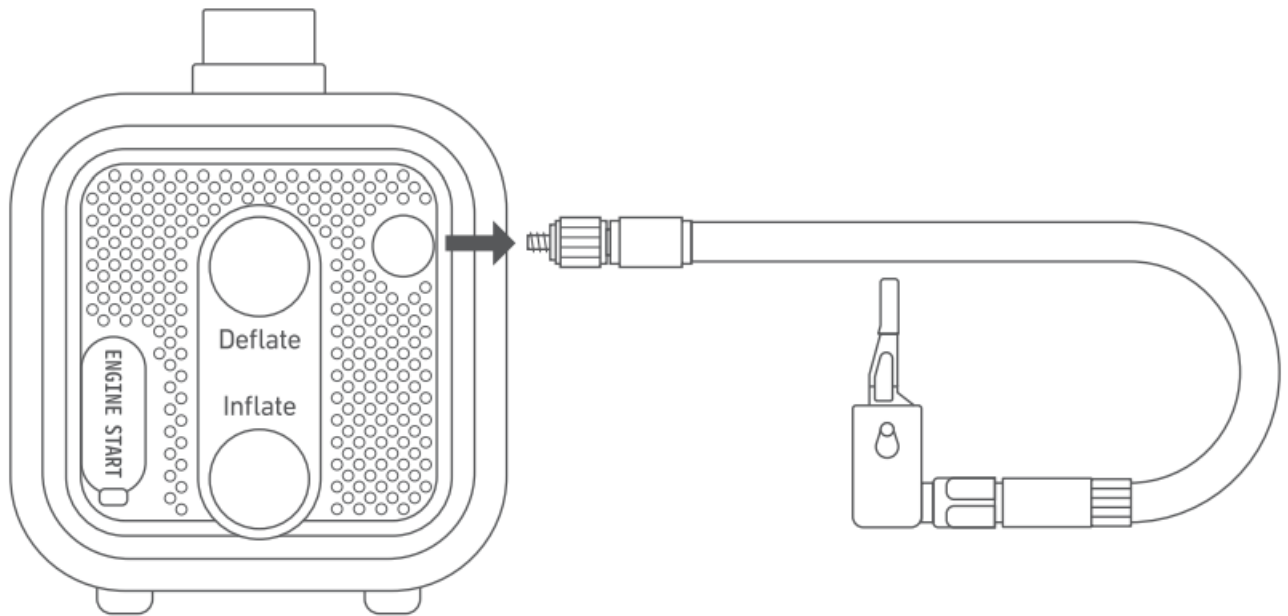
4. Connect the other end of the air hose to the tire valve.



5. Press the Power Button to start inflating



6. Disconnect the hose from the tire.



Tip:

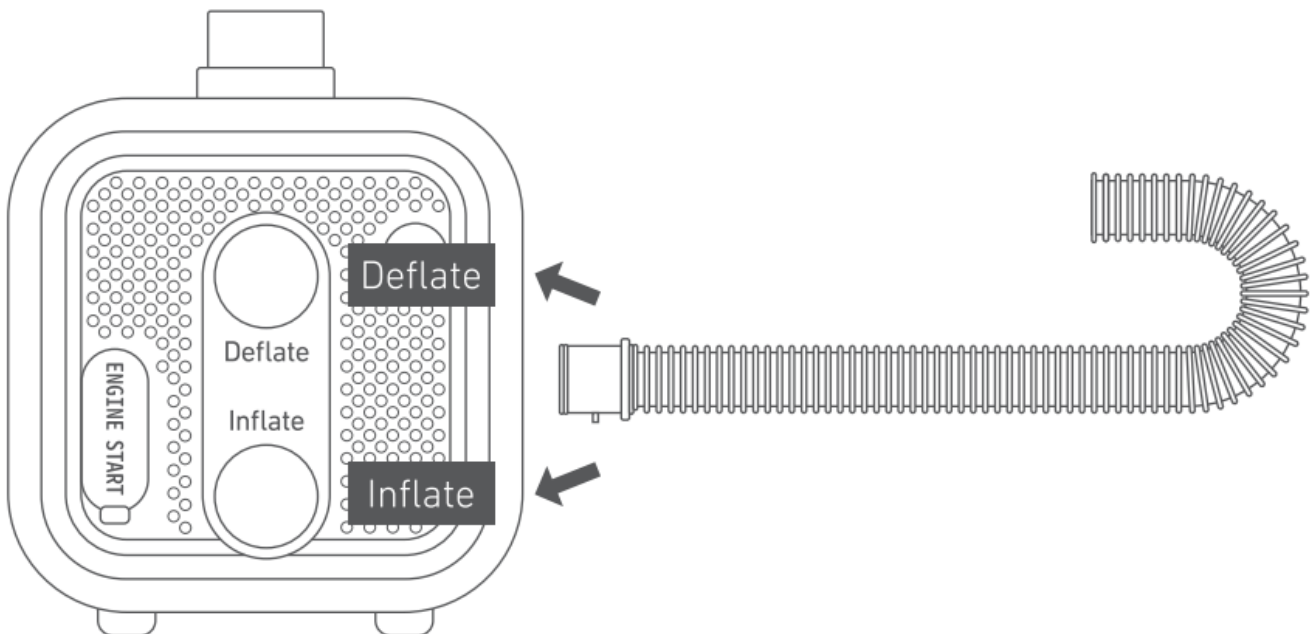
The maximum pressure of the custom mode is 150 PSI, while the other four modes' values are fixed to avoid damages or safety hazards.

Car 58 PSI/4 Bar Bicycle 150 PSI/103 Bar Motorcycle 51 PSI/35 Bar Basketball 14 PSI/1 Bar

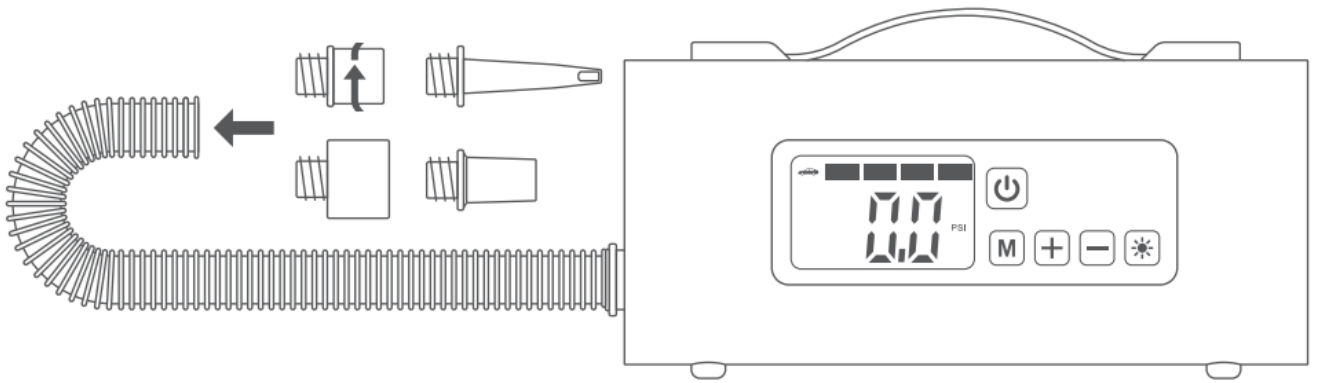
Note: The air hose will heat up during inflation: do not touch the air hose directly. Doing so may cause burns.

How to inflate/deflate air mattresses

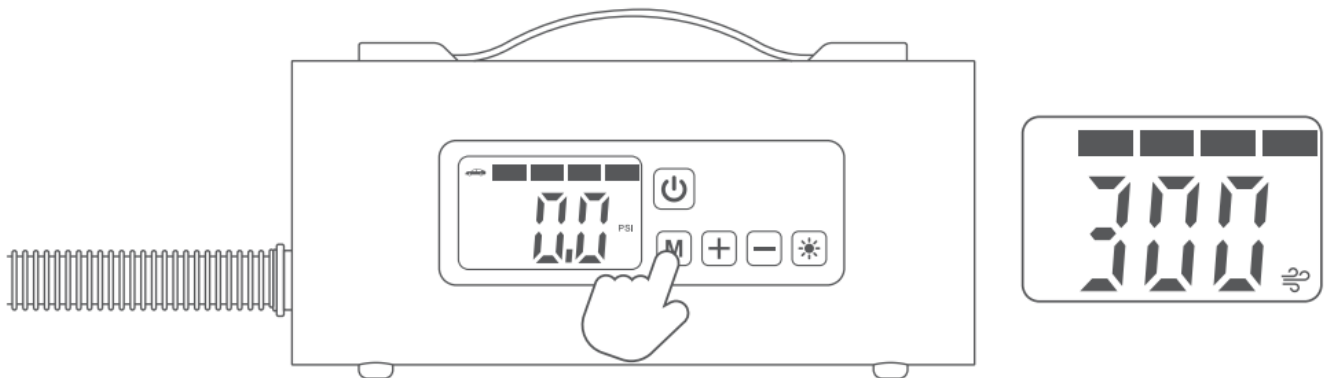
1. Turn on the product. Connect the air mattress hose to the air mattress mode inflation/deflation port.



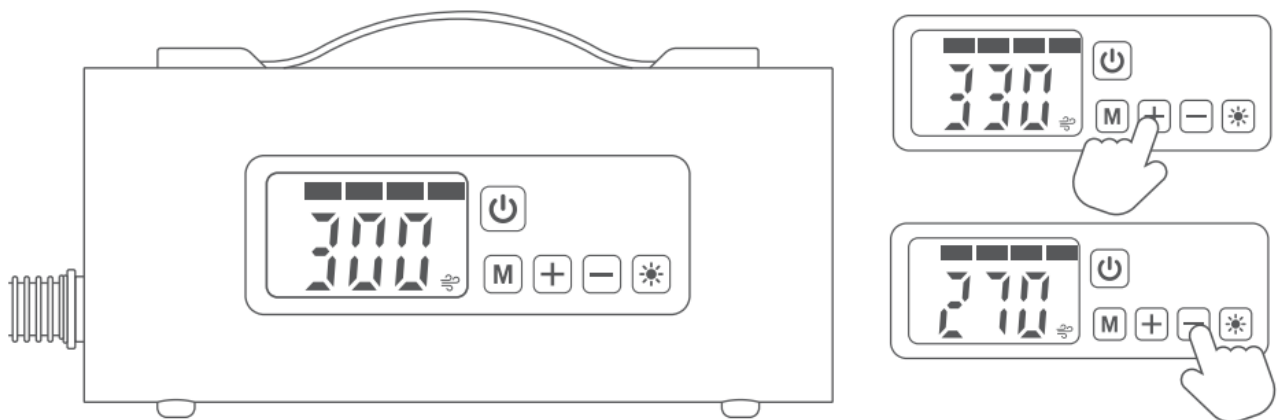
2. Choose a nozzle based on the items being inflated or deflated, horizontally align the hose and accessory nozzle, twist them clockwise along the threads.



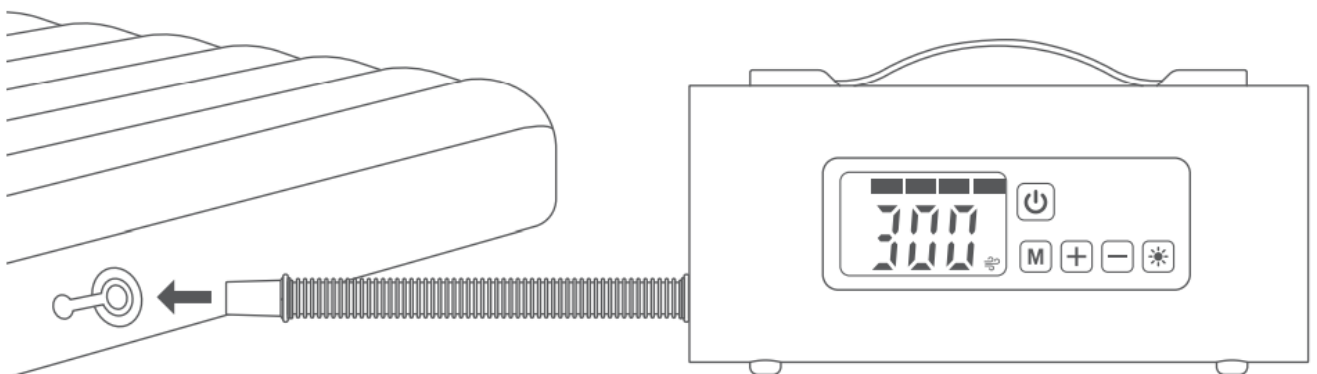
3. Press the "Mode" Button to choose the air mattress mode.



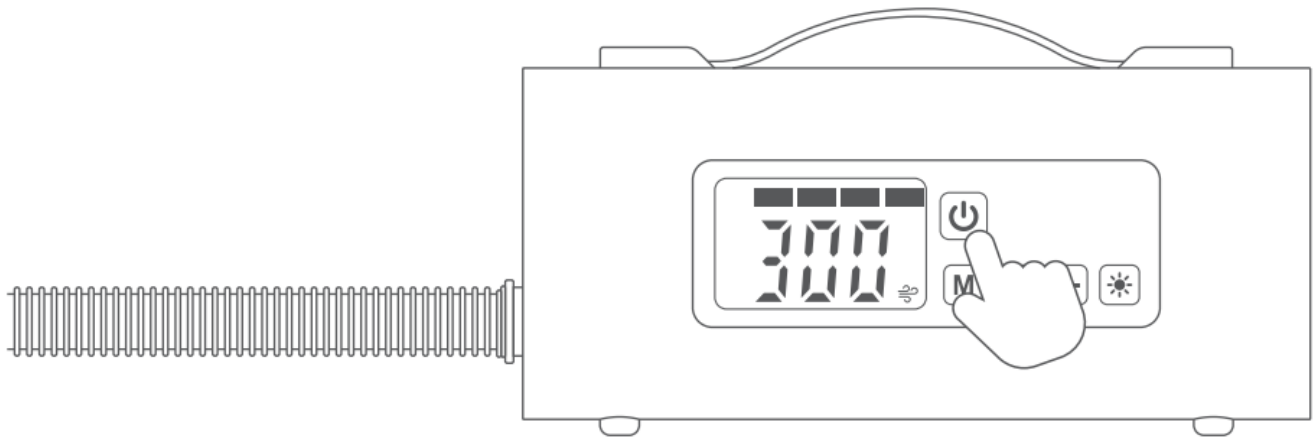
Press the "+" & "-" buttons to adjust inflation/deflation time. The default time is 300 seconds.



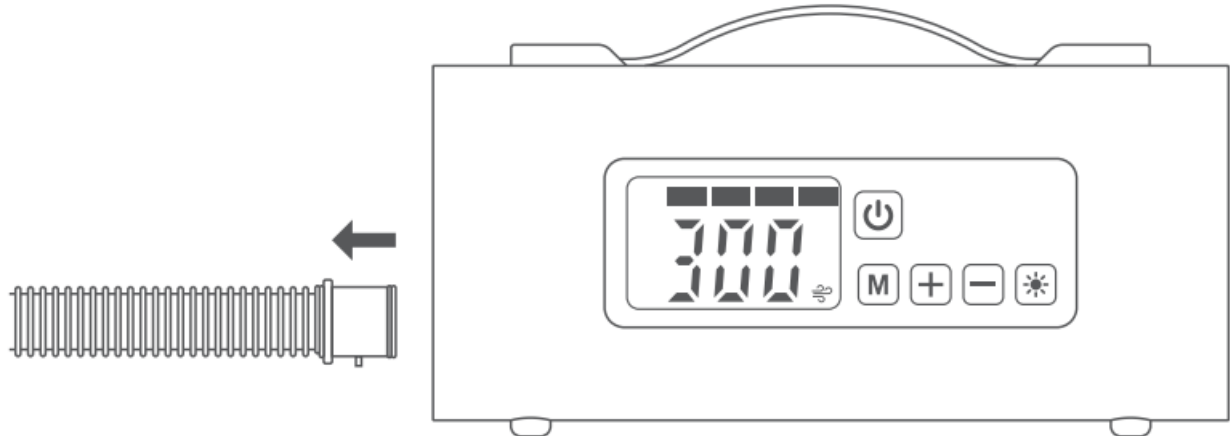
4. Connect the air mattress hose to your air mattress (es).



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



6. Disconnect the hose from the air mattress.



Tip1

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

Tip2:

The default inflation time is 300, 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 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

Ed4

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 (15) 500 A (35) |
| Peak Current | 2500 A |
| Tire Inflator Pressure | 3-150 PSI, 0.2-10.3 Bar |
| Tire Inflator Accuracy | +1PSI |
| Inflation Speed | 220 LiMin |
| USB Output | USB-A 5V=2A |
| Type-C Input | Maximum PD 20 W |
| Operation Temperature | ~4~122 °F; -20~50 °C |
| Charge Temperature | 14-113 °F; ~10-45 °C |
| Time to Fully Charge | Approximately 4 hours for 20 W, 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 | x 1 |
| Presta-Schrader Adapter | x1 |
| 1-4 Air Mattress Nozzle | x1 |
| Smart Battery Clamps | x1 |
| Air Mattress Hose | x1 |
| Needle Valve Adapter | x2 |
| Air Nozzle | x1 |
| AirHose | x1 |
| USBCharging Cable | x1 |
| Charger | x1 |
| Storage Box | x1 |
| User Manual | x1 |

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.

Documents / Resources

| | |
|---|--|
|  <p>The image shows the cover of the user manual for the AstroAI MF159. It features the AstroAI logo in orange at the top left. Below it is a photograph of the white and grey jump starter device. At the bottom, the text 'MF159 JUMP STARTER & AIR COMPRESSOR USER MANUAL' is printed in black.</p> | <p>ASTROAI MF159 Jump Starter with Air Compressor and Air Pump [pdf] User Manual MF159 Jump Starter with Air Compressor and Air Pump, MF159, Jump Starter with Air Compressor and Air Pump, Air Compressor and Air Pump, Compressor and Air Pump, Air Pump, Pump</p> |
|---|--|

References

- [User Manual](#)