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AstroAI ACAC8366

AstroAI Portable Tire Inflator ACAC8366 User Manual

Model: ACAC8366

Introduction

Thank you for choosing the AstroAI Portable Tire Inflator. This device is designed for efficient and versatile inflation of various items, including vehicle tires, bicycle tires, sports equipment, and air mattresses. It features dual power compatibility (12V DC and 120V AC), a maximum pressure of 150 PSI, and an automatic shut-off function for precise inflation. Please read this manual thoroughly before use to ensure safe and optimal operation.



Image: The AstroAI Portable Tire Inflator ACAC8366, showing its compact design, digital display, and included accessories.

Safety Information

- Always operate the inflator in a well-ventilated area.
- Do not leave the inflator unattended during operation.
- Keep out of reach of children.
- Avoid prolonged continuous use. Allow the unit to cool for at least 10 minutes after every 15 minutes of operation.
- Ensure the correct pressure setting for the item being inflated to prevent over-inflation and potential damage or injury.
- Do not expose the inflator to rain or wet conditions.
- If the power cord is damaged, it must be replaced by the manufacturer or a qualified service agent to avoid hazards.

Product Overview

Components Included:

- AstroAI Air Compressor
- AC/DC Power Cord
- 2 x Air Nozzles
- 1 x Needle Valve Adapter
- 1 x Replacement Fuse
- 1 x Presta to Schrader Adapter
- 1 x Large-Volume Hose
- User Manual (this document)

Control Panel and Features:



Image: Diagram illustrating the control panel of the AstroAI Tire Inflator, highlighting the DC Power Switch, Unit Selection, Screen, '+' Button, Tire Mode, AC Power Switch, LED Light, Real-time Progress Light, '-' Button, and Air Mattress Mode.

- **Digital Display:** Shows preset and current tire pressure.
- **Unit Selection Button:** Toggles between PSI, KPA, BAR, and KG/CM².
- **+/- Buttons:** Adjusts the target pressure value.
- **Mode Switches:** Separate switches for High-Pressure (Tire) Mode and Large-Volume (Air Mattress) Mode.
- **LED Light:** Provides illumination for use in dim environments.
- **Power Cut Memory Function:** Automatically recalls the last set pressure.

Setup

Power Connection:

The inflator supports two power sources:

- **12V DC:** Connect the DC power cord to your vehicle's 12V cigarette lighter socket.
- **120V AC:** Connect the AC power cord to a standard household 120V wall outlet.

Image: The AstroAI Tire Inflator connected to both a 120V AC household outlet and a 12V DC car cigarette lighter, demonstrating its dual power capability.

Initial Steps:

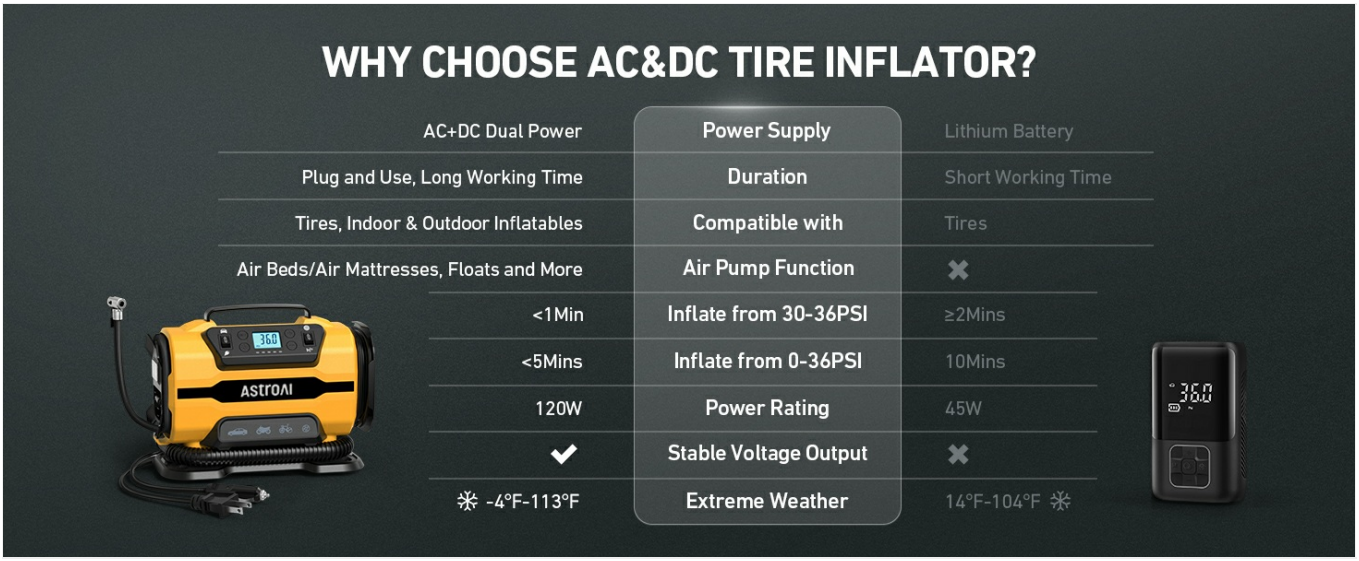


Image: A four-step visual guide showing how to start the AstroAI Tire Inflator: 1. Access power supply (DC or AC), 2. Press the switch to choose power, 3. Press '+' or '-' to preset pressure value, 4. Select the desired mode.

1. Connect the inflator to the appropriate power source (12V DC or 120V AC).
2. Turn on the power using the corresponding switch (DC or AC).
3. Attach the appropriate nozzle or adapter to the air hose.
4. Securely connect the nozzle to the item you wish to inflate.

Operating Instructions

General Inflation Process:

1. **Power On:** Connect the inflator to power and turn it on. The digital display will illuminate.
2. **Select Mode:** Use the dedicated switches to select either the High-Pressure (Tire) Mode for car/bicycle tires and sports equipment, or the Large-Volume (Air Mattress) Mode for air beds and other large inflatables.
3. **Set Target Pressure:** Press the 'UNIT' button to select your desired pressure unit (PSI, KPA, BAR, KG/CM²). Use the '+' and '-' buttons to set the target pressure.
4. **Start Inflation:** Once the target pressure is set and the nozzle is connected, the inflator will begin operation.
5. **Automatic Shut-off:** The inflator will automatically stop once the preset pressure is reached.
6. **Disconnect:** Carefully disconnect the nozzle from the item. A small amount of air loss upon disconnection is normal.

Specific Use Cases:

Image: The AstroAI Tire Inflator connected to a car tire, with a graphic indicating fast inflation times (30-36 PSI in less than 1 minute).

- **Car/Bicycle Tires:** Use High-Pressure Mode. Ensure the tire valve is clean before attaching the screw-on nozzle. Inflate to the manufacturer's recommended PSI.
- **Air Mattresses/Large Inflatables:** Use Large-Volume Mode with the appropriate air nozzle. This mode provides a higher airflow for quicker inflation of larger items.
- **Sports Equipment:** Use High-Pressure Mode with the needle valve adapter for items like basketballs or footballs.

Image: A split image showing the AstroAI Tire Inflator being used to inflate a car tire (Tire Mode) and an air mattress inside a house (Air Mattress Mode), illustrating its versatility.

LED Light Function:



Image: A person using the AstroAI Tire Inflator to check a car tire in a dimly lit outdoor setting, with the built-in LED light illuminating the work area.

Press the dedicated LED light button to activate the built-in light, useful for nighttime or low-light conditions.

Maintenance

Cooling Period:

To ensure longevity and prevent overheating, allow the inflator to cool down for at least 10 minutes after every 15 minutes of continuous use. This is especially important during high-pressure or extended inflation tasks.

Cleaning and Storage:



Image: The AstroAI Tire Inflator on a picnic table, with callouts pointing to its integrated AC power cable, DC power cable, tire connector, and air hose storage compartments, demonstrating its convenient design for organization.

- Wipe the exterior of the inflator with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the inflator is completely dry before storing.
- Utilize the integrated air hose compartment and power cord storage for neat and convenient storage.
- Store the inflator in a cool, dry place, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Inflator does not turn on.	No power connection; Blown fuse; Faulty power outlet.	Check power cord connection; Replace fuse (a spare is included); Try a different power outlet.
Inflator runs but does not inflate.	Hose not securely attached; Wrong mode selected; Leak in hose/nozzle.	Ensure hose is tightly connected; Verify correct mode (High-Pressure/Large-Volume) is selected; Check hose and nozzles for damage.
Inflator overheats and shuts off.	Prolonged continuous use.	Allow the unit to cool for at least 10 minutes before resuming operation. Adhere to the 15-minute continuous use limit.
Inaccurate pressure reading.	Gauge calibration issue; Air leak during measurement.	Ensure nozzle is securely attached to valve; Compare reading with a known accurate gauge.

Specifications

Feature	Specification
Model Name	Tire Inflator (ACAC8366)

Feature	Specification
Power Source	Corded Electric (12V DC / 110V AC)
Maximum Operating Pressure	150 PSI
Air Flow Capacity (Large-Volume Mode)	350 LPM
Maximum Power	120 Watts
Noise Level	65 dB
Item Weight	4.27 pounds
Product Dimensions	11.8"L x 10.2"W x 6.3"H
Material	Metal
Special Features	AC & DC Adaptable, Automatic Shut-Off, Built-In Gauge, LED Light

Warranty and Support

AstroAI products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your purchase or visit the official AstroAI website. If you encounter any issues or have questions regarding your AstroAI Portable Tire Inflator, please contact AstroAI customer support for assistance.
You can also refer to the official user manual PDF for additional information:AstroAI ACAC8366 User Manual (PDF)

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