

AVID POWER ACAP322

AVID POWER Tire Inflator Portable Air Compressor

MODEL: ACAP322

User Manual

INTRODUCTION

Thank you for choosing the AVID POWER Portable Tire Inflator. This versatile air compressor is designed for efficient inflation and deflation of various items, including car tires, bicycle tires, sports balls, and air mattresses. Featuring dual power supply options (12V DC and 110V AC), a digital pressure gauge with auto shut-off, and an integrated LED light, this unit offers convenience and reliability for both home and on-the-go use.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection when operating the inflator.
- Do not leave the inflator unattended while in use.
- Keep children and bystanders away from the operating area.
- Ensure the power source matches the inflator's requirements (12V DC or 110V AC).
- Avoid over-inflating items. Always refer to the manufacturer's recommended pressure.
- Do not operate the inflator in wet conditions or near flammable liquids/gases.
- Allow the unit to cool down after extended use to prevent overheating.
- Disconnect from power when not in use or before performing maintenance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x AVID POWER 12V/110V Inflator/Deflator
- 3 x Nozzle Adaptors
- 1 x High Volume Hose
- 1 x User Manual

PRODUCT FEATURES AND COMPONENTS



The AVID POWER Portable Tire Inflator, showcasing its compact design and included power cables for 12V DC and 110V AC.



FAST INFLATION

Equipped with two powerful metal motors

Equipped with dual powerful metal motors for super fast inflation, ensuring quick and efficient operation.

TWO MODES

Meet all your inflation needs



High Pressure Mode

For car/bike/motorcycle tires, sports balls, balloons, swimming ring, etc

High Volume Mode

For air rafts, air mattress, pool floats, etc



Features two distinct modes: High Pressure for tires and sports balls, and High Volume for inflatables like air mattresses and rafts.

DUAL POWER SUPPLY



Dual power supply allows operation via 110V AC home outlet or 12V DC car cigarette lighter, providing flexibility for various situations.

DIGITAL PRESSURE GAUGE

Easy to Read & Use

38.0 PSI

Four Measure Units

PSI, KPA, BAR, KG/CM²



The clear digital pressure gauge displays readings in PSI, Bar, and KPA, ensuring accurate inflation.

ULTRA BRIGHT LED FLASHLIGHT

An ultra-bright LED flashlight is integrated for convenient use in low-light conditions or emergencies.



Auto Shut Off at Desired Pressure

The auto shut-off feature automatically stops inflation once the preset pressure is reached, preventing over-inflation.



This multi-purpose inflator is suitable for a wide range of items, from vehicle tires to recreational inflatables.

SETUP AND INITIAL USE

Before first use, ensure the unit is fully inspected for any damage. Familiarize yourself with the controls and connections.

Connecting to Power:

- **For 110V AC (Home Outlet):** Plug the AC power cord into a standard 110V wall outlet.
- **For 12V DC (Car Cigarette Lighter):** Plug the DC power cord into your vehicle's 12V cigarette lighter socket.

Attaching Hoses and Nozzles:

- **High-Pressure Hose:** Used for tires, balls. Connect to the high-pressure port.
- **High-Volume Hose:** Used for air mattresses, rafts. Connect to the high-volume port (marked "air out" for inflation, "air in" for deflation).
- Select the appropriate nozzle adaptor for your item and securely attach it to the hose.

Your browser does not support the video tag.

This video provides a general overview of the AVID POWER 12V DC/110V AC Tire Inflator Air Compressor, demonstrating its features and basic setup.

Your browser does not support the video tag.

This video illustrates the dual power capabilities of the AVID POWER Tire Inflator, showing how to connect and use both the 12V DC and 120V AC power sources.

OPERATING INSTRUCTIONS

Inflating Tires (High-Pressure Mode):

1. Connect the high-pressure hose to the tire valve stem. Ensure a secure connection to prevent air leakage.
2. Turn on the inflator and select the high-pressure mode.
3. Use the digital display to set your desired pressure (PSI, Bar, or KPA). Refer to your vehicle's manual or tire sidewall for recommended pressure.
4. Press the start button to begin inflation. The digital display will show the current pressure.
5. The inflator will automatically shut off once the preset pressure is reached.
6. Disconnect the hose from the tire valve.

Inflating/Deflating Inflatables (High-Volume Mode):

1. **For Inflation:** Connect the high-volume hose to the "air out" port and attach the appropriate nozzle to your inflatable. Turn on the inflator and select high-volume mode.
2. **For Deflation:** Connect the high-volume hose to the "air in" port and attach the appropriate nozzle to your inflatable. Turn on the inflator and select high-volume mode.
3. Operate until the desired inflation/deflation level is achieved. This mode does not use the auto shut-off feature.

Using the LED Light:

Press the dedicated light button on the control panel to turn the LED flashlight on or off. This is useful for nighttime use or in dimly lit areas.

MAINTENANCE AND STORAGE

- **Cleaning:** Wipe the unit with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Hose Care:** Ensure hoses are not kinked or damaged. Store them neatly in the designated compartments.
- **Storage:** Store the inflator in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.
- **Inspection:** Periodically check the power cords, hoses, and nozzles for any signs of wear or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; loose connection; blown fuse (12V DC).	Check power connection. Ensure vehicle engine is running for 12V DC. Replace fuse if necessary.
Slow inflation or no air output.	Hose not securely connected; wrong mode selected; item already at desired pressure.	Ensure hose is tightly connected. Select correct inflation mode. Check current pressure reading.

Problem	Possible Cause	Solution
Unit overheats and shuts off.	Continuous operation for too long.	Allow the unit to cool down for at least 15-20 minutes before resuming operation.
Inaccurate pressure reading.	Loose connection; sensor issue.	Ensure hose is securely connected. If problem persists, contact customer support.

TECHNICAL SPECIFICATIONS

Specification	Value
Brand	AVID POWER
Model Name	ACAP322
Power Source	12V DC / 110V AC
Maximum Operating Pressure	125 PSI
Maximum Power	200 Watts
Air Flow Capacity	30 LPM
Noise Level	65 dB
Item Weight	5.9 Pounds
Product Dimensions	11"L x 7"W x 6.8"H
Hose Length	28 Inches

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your purchase or visit the official AVID POWER website. AVID POWER offers various protection plans for extended coverage. For additional support, frequently asked questions, or to contact customer service, please visit the AVID POWER brand store:

[Visit the AVID POWER Store on Amazon](#)

A digital version of this user manual is also available for download:

[Download User Manual \(PDF\)](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

My AVID POWER ACAP322 tire inflator works on 12V DC but not on 110V AC; is there a fuse within the 110V power route?

Based on the manual for the AVID POWER ACAP322, there is no mention of a user-accessible fuse for the 110V AC power route. The troubleshooting guide specifically mentions a replaceable fuse only for the...

[Read full answer](#)