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populo DPAI-12

populo Dual-Power Cordless Tire Inflator (Model DPAI-12) User Manual

Introduction

This manual provides essential instructions for the safe and efficient operation of your populo Dual-Power Cordless Tire Inflator. Please read this manual thoroughly before use and retain it for future reference.

The populo DPAI-12 is a versatile portable air compressor designed for inflating various items, including car tires, bicycle tires, motorcycles, air mattresses, inflatable boats, and sports balls. It features a dual-power supply, allowing operation via a built-in 2000mAh rechargeable lithium-ion battery or a 12V car DC adapter. Key features include a maximum pressure of 150 PSI, a digital pressure gauge with auto-shutoff, and an integrated LED light with steady and flashing modes.

Safety Information

General Safety Precautions

- Always wear appropriate eye protection when operating the inflator.
- Do not leave the inflator unattended while in operation.
- Keep out of reach of children.
- Ensure the inflator is placed on a stable, flat surface during use.
- Do not expose the inflator to rain or wet conditions.
- Avoid operating the inflator near flammable liquids or gases.
- Disconnect the power source when not in use or before performing maintenance.
- Do not overinflate items. Always refer to the manufacturer's recommended pressure.
- The inflator may become warm during prolonged use. Allow it to cool down before storing.

Package Contents

The populo DPAI-12 package includes:

- populo Dual-Power Cordless Tire Inflator
- Rechargeable Lithium-ion Battery (built-in)
- 12V Car DC Power Cable
- Air Hose
- Various Nozzle Adapters (e.g., for balls, bicycles, inflatable toys)

- USB Charging Cable
- User Manual

Product Overview

The populo DPAI-12 features a compact design with an intuitive digital display and controls.



Image: Front view of the populo DPAI-12 tire inflator, highlighting the digital display and control buttons.

Key Components:

- **Digital Display:** Shows current pressure, target pressure, and unit.
- **Power Button:** Turns the device on/off.
- **Unit Button (R):** Switches between pressure units (PSI, BAR, KPA, KG/CM²). Long-press to switch units.
- **+/- Buttons:** Adjust target pressure.
- **LED Light:** Provides illumination for dark environments. Has steady and flashing modes.

- **Air Hose Connection:** Point for attaching the inflation hose.
- **12V Car DC Input:** Port for connecting to a car's cigarette lighter.
- **USB Charging Port:** For recharging the internal battery.



Image: Detailed view of the inflator's digital screen and control buttons for setting pressure and switching units.

Setup

Charging the Internal Battery

Before first use, fully charge the internal 2000mAh lithium-ion battery using the provided USB charging cable. Connect the USB cable to the inflator and a compatible USB power source (e.g., wall adapter, car charger, power bank). The battery indicator on the digital display will show charging status.

Connecting to 12V Car DC Power

Alternatively, the inflator can be powered directly from your vehicle's 12V cigarette lighter socket using the included 12V car DC power cable. This is useful when the internal battery is low or for extended use.

Your browser does not support the video tag.

Video: Demonstrates how to connect the populo tire inflator to a 12V car power outlet and begin inflation. This video is provided by the seller, GJ Trade.

Operating Instructions

1. Power On and Unit Selection

1. Press the power button ( ) to turn on the inflator. The digital display will illuminate.
2. Press and hold the 'R' button to cycle through pressure units: PSI, BAR, KPA, KG/CM². Select your desired unit.

2. Setting Target Pressure

1. Use the '+' and '-' buttons to adjust the desired target pressure. The display will show the set value.
2. Refer to your vehicle's or item's manual for recommended pressure values.

3. Connecting to Item for Inflation

1. Screw the air hose securely onto the tire valve stem or attach the appropriate nozzle adapter for other inflatables.
2. Once connected, the digital display will show the current pressure of the item (if above 5 PSI).

4. Starting Inflation

1. Press the power button ( ) again to start the inflation process.
2. The inflator will automatically stop once the preset target pressure is reached.



Image: The populo DPAI-12 inflator connected to a car tire, actively inflating it to the preset pressure.

5. Using the LED Light

1. Press the 'R' button (short press) to toggle the LED light between steady mode (for illumination) and flashing mode (for caution/SOS).
2. Press 'R' again to turn off the light.



Image: The inflator's LED light in steady mode, providing illumination for working in a dark engine bay.

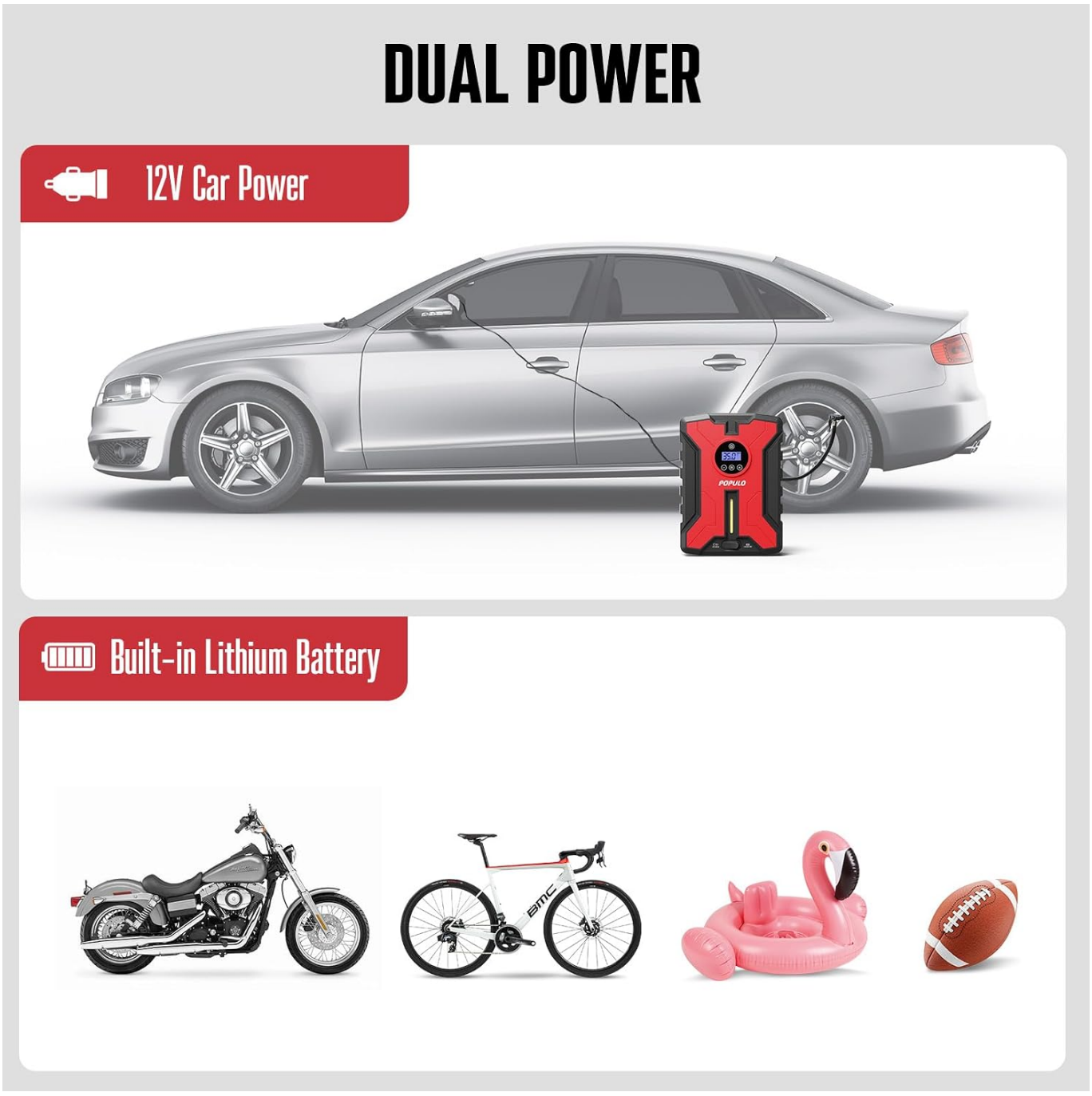


Image: The inflator's LED light in flashing mode, serving as a caution or SOS light during roadside emergencies.

Maintenance

- **Cleaning:** Wipe the inflator with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the inflator in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the hose and accessories are neatly stored.
- **Battery Care:** For optimal battery life, charge the internal battery at least once every three months if not used regularly.
- **Hose Inspection:** Regularly check the air hose for any signs of wear, cracks, or damage. Replace if necessary.



Image: The populo DPAI-12 inflator shown with its various nozzle adapters, demonstrating its versatility for different inflation needs.

Troubleshooting

Problem	Possible Cause	Solution
Inflator does not turn on.	Low battery or no power from 12V DC.	Charge the internal battery or ensure 12V DC cable is securely connected and car ignition is on.
Inflator runs but no air comes out.	Hose not properly connected or blocked.	Check hose connections and ensure no obstructions.
Inaccurate pressure reading.	Loose connection to valve stem.	Ensure the air hose is tightly screwed onto the valve stem.
Inflator stops prematurely.	Target pressure reached or overheating.	Check if target pressure is met. If not, allow unit to cool down before resuming.

Specifications

Model: DPAI-12

Brand: populo

Power Source: 2000mAh Li-ion Battery / 12V Car DC

Maximum Pressure: 150 PSI

Pressure Units: PSI, BAR, KPA, KG/CM²

Accuracy: ±0.5 PSI

Air Flow Capacity: 25 liters per minute

Hose Length: 23 inches

Noise Level: 75 dB

Weight: 1.03 kg

Material: Metal, Plastic

Additional Features: Automatic Shut-Off, Cordless, LED Light (Steady/Flashing), Portable, Digital Pressure Gauge

Warranty and Support

This populo product comes with a 12-month warranty from the date of purchase. If you encounter any issues or have questions regarding your Dual-Power Cordless Tire Inflator, please contact populo customer support via the email address provided in your product packaging or through the retailer where you purchased the item.

Please retain your proof of purchase for warranty claims.

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