UGREEN ET501

UGREEN Tyre Inflator Portable Air Pump User Manual

Model: ET501

1. Product Overview

The UGREEN Tyre Inflator Portable Air Pump is a versatile and compact device designed for inflating various items, including car, motorcycle, and bicycle tires, as well as sports balls and air mattresses. It features a high-precision chip for accurate pressure detection and preset inflation, an intuitive LED display, and multiple safety protection functions.



Image: The UGREEN Tyre Inflator Portable Air Pump shown with its included accessories, including the 12V DC power cable, air hose, and various nozzles for different inflation needs.

Key Features:

- **5 Inflation Modes:** Pre-set modes for cars, motorcycles, bicycles, balls, and a custom mode.

- **Precise Tire Pressure Detection:** Upgraded high-precision chip for accurate real-time monitoring.
- **Efficient Power Supply:** Rapid 30L/Min airflow, max pressure of 150 PSI, powered by car's 12V cigarette lighter.
- **Intelligent LED Display:** Clear display of air pressure unit and current value.
- **Safety Protection:** Automatic shut-off to prevent overinflation and overheat protection.
- **Multifunctional LED Light:** Provides lighting, warning, and SOS functions.

2. Package Contents

Please verify that all items are present in the package:

- UGREEN Tyre Inflator Portable Air Pump
- 12V DC Car Charger Cable
- Air Hose
- Presta Valve Adapter
- Ball Needle
- Swim Ring Nozzle
- User Manual



Image: A clear layout of all items included in the UGREEN Tyre Inflator package, showing the inflator unit, various nozzles, power cable, and instruction manual.

3. Setup

Follow these steps to prepare your UGREEN Tyre Inflator for use:

1. **Connect Power:** Insert the 12V DC car charger cable into your vehicle's cigarette lighter socket. Ensure a secure connection.
2. **Attach Air Hose:** Screw the air hose securely onto the inflator's air outlet port.
3. **Select Nozzle:** Choose the appropriate nozzle for the item you wish to inflate (e.g., Presta valve adapter for bicycles, ball needle for sports balls, swim ring nozzle for inflatables). Attach it to the end of the air hose.



Image: A four-panel illustration demonstrating the simple inflation process: 1) Plugging the 12V cable into the car, 2) Attaching the air hose to the inflator, 3) Connecting the nozzle to the tire valve, and 4) Operating the inflator.



Image: The UGREEN Tyre Inflator connected to a car's 12V DC power outlet, illustrating the power supply method.

4. Operating Instructions

4.1 Powering On and Display

Once connected to power, the LED screen will illuminate, displaying the current air pressure and unit (PSI, BAR, KPA). You can switch between units using the dedicated button.



Image: A close-up view of the UGREEN Tyre Inflator's LED screen, clearly showing the digital pressure reading and unit indicators (PSI, BAR, KPA), along with icons for different inflation modes.

4.2 Selecting Inflation Mode

The inflator offers 5 pre-set modes. Press the mode selection button to cycle through Car, Motorcycle, Bicycle, and Ball

modes. Each mode has a default pressure value, which can be adjusted. A custom mode is also available for manual pressure setting.

- **Car Mode:** Ideal for standard vehicle tires.
- **Motorcycle Mode:** Suitable for motorcycle tires.
- **Bicycle Mode:** For bicycle tires.
- **Ball Mode:** For sports balls.
- **Air Bed Mode:** For air mattresses and other inflatables.



Image: Illustration of the inflator in 'Car Mode', suitable for vehicle tires.



Image: Illustration of the inflator in 'Motorcycle Mode', suitable for motorcycle tires.



Image: Illustration of the inflator in 'Bicycle Mode', suitable for bicycle tires.



Image: Illustration of the inflator in 'Ball Mode', suitable for sports balls.



Image: Illustration of the inflator in 'Air Bed Mode', suitable for air mattresses and other inflatables.

4.3 Setting Target Pressure

Use the '+' and '-' buttons to adjust the target pressure value. The display will show the real-time pressure as you inflate.

4.4 Starting and Stopping Inflation

Press the power button to start inflation. The pump will automatically stop once the preset pressure is reached, preventing overinflation.



Image: The UGREEN Tyre Inflator actively inflating a tire, demonstrating its 150 PSI ultra-fast inflating capability.

4.5 Using the LED Light

Press the light button to activate the built-in LED light. This light can be used for illumination in low-light conditions, as a warning signal, or for SOS emergencies.



Image: The UGREEN Tyre Inflator with its integrated LED light illuminated, providing visibility in dark environments, such as when

changing a tire at night.

5. Safety Features and Precautions

The UGREEN Tyre Inflator is equipped with several safety mechanisms to ensure safe operation:

- **Over-inflation Protection:** The device automatically stops inflation when the preset pressure is reached.
- **Overheat Protection:** If the internal temperature becomes too high, the device will automatically shut down to prevent damage. Allow it to cool down before resuming use.
- **Fuse Protection:** The car charger cable includes a fuse for added electrical safety.

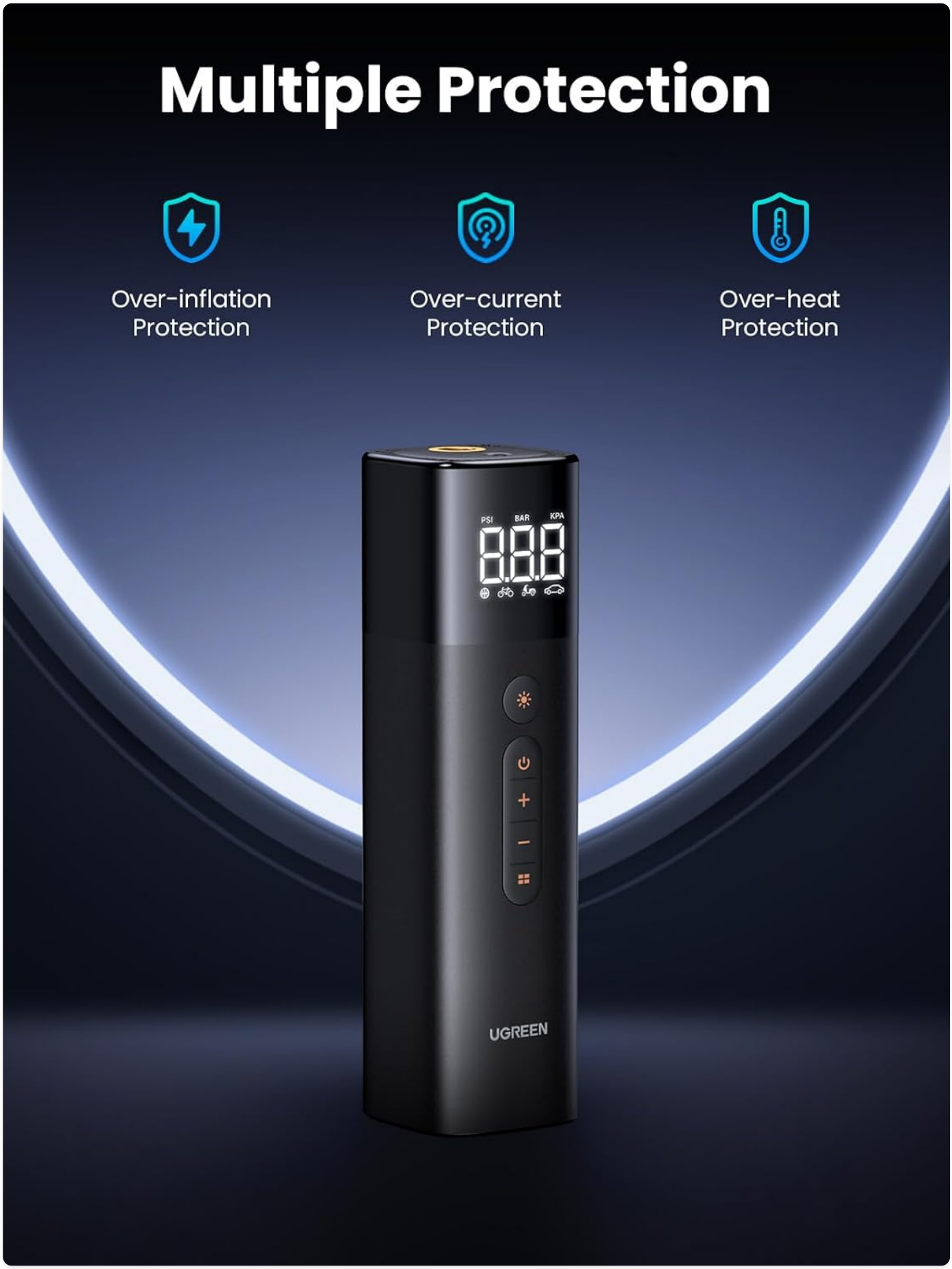


Image: An illustration highlighting the multiple protection features of the UGREEN Tyre Inflator, including over-inflation, over-current, and overheat protection, ensuring safe operation.

General Safety Precautions:

- Do not leave the inflator unattended during operation.

- Keep out of reach of children.
- Do not operate in wet conditions or near flammable liquids/gases.
- Ensure the air hose and nozzles are securely attached before starting inflation.
- Refer to the item's recommended pressure before inflating.

6. Maintenance

To ensure the longevity and optimal performance of your UGREEN Tyre Inflator:

- **Cleaning:** Wipe the exterior of the inflator with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the inflator and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the power cord and air hose are detached and neatly stored.
- **Inspection:** Periodically check the air hose and power cable for any signs of wear, cracks, or damage. Replace if necessary.

7. Troubleshooting

Problem	Possible Cause	Solution
Inflator does not power on.	No power from car cigarette lighter; Loose connection; Blown fuse in car or cable.	Ensure car engine is running (if required by vehicle); Check connection to cigarette lighter; Inspect and replace fuse if blown.
Inflator stops unexpectedly during operation.	Overheat protection activated; Target pressure reached.	Allow the device to cool down for 10-15 minutes; Verify if the target pressure has been reached.
Inflation is slow or weak.	Air hose or nozzle not securely attached; Leak in hose/nozzle; Low power supply.	Check all connections for tightness; Inspect hose and nozzles for damage; Ensure stable 12V power supply from vehicle.
Pressure reading is inaccurate.	Nozzle not fully seated on valve; Sensor calibration issue.	Ensure nozzle is firmly pressed onto the valve stem; If issues persist, contact customer support.

8. Specifications

Feature	Detail

Feature	Detail
Model Number	ET501
Manufacturer Part Number	35573
Max Pressure	150 PSI / 10.3 BAR
Airflow Rate	30L/Min
Power Input	DC 12V (via car cigarette lighter)
Dimensions (approx.)	17.7 x 12.1 x 5.6 cm
Item Weight	630 Grams

9. Warranty and Support

UGREEN products are designed and manufactured to the highest quality standards. This product is covered by a standard warranty against defects in materials and workmanship from the date of purchase. Please refer to the specific warranty terms provided with your purchase or visit the official UGREEN website for detailed information.

For technical support, troubleshooting assistance, or warranty claims, please contact UGREEN customer service through their official website or the retailer from whom you purchased the product. When contacting support, please have your product model number (ET501) and proof of purchase readily available.

Online Resources:

- UGREEN Official Website: www.ugreen.com
- UGREEN Store on Amazon: Visit UGREEN Store

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

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