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> [AUTDER Cordless Tire Inflator, 180PSI Portable Air Compressor with 21V Rechargeable Battery & 12V DC Car Adapter, Fast Inflation Digital Pump for Cars, Motorcycles, Bikes & Sports Balls - Black Yellow](#)

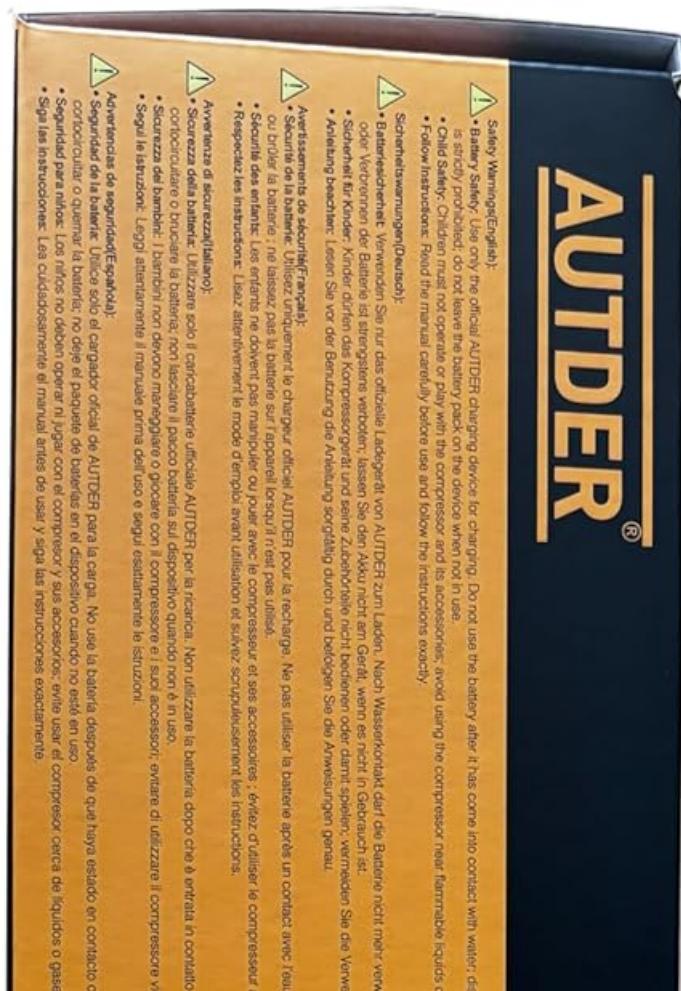
AUTDER AD-380

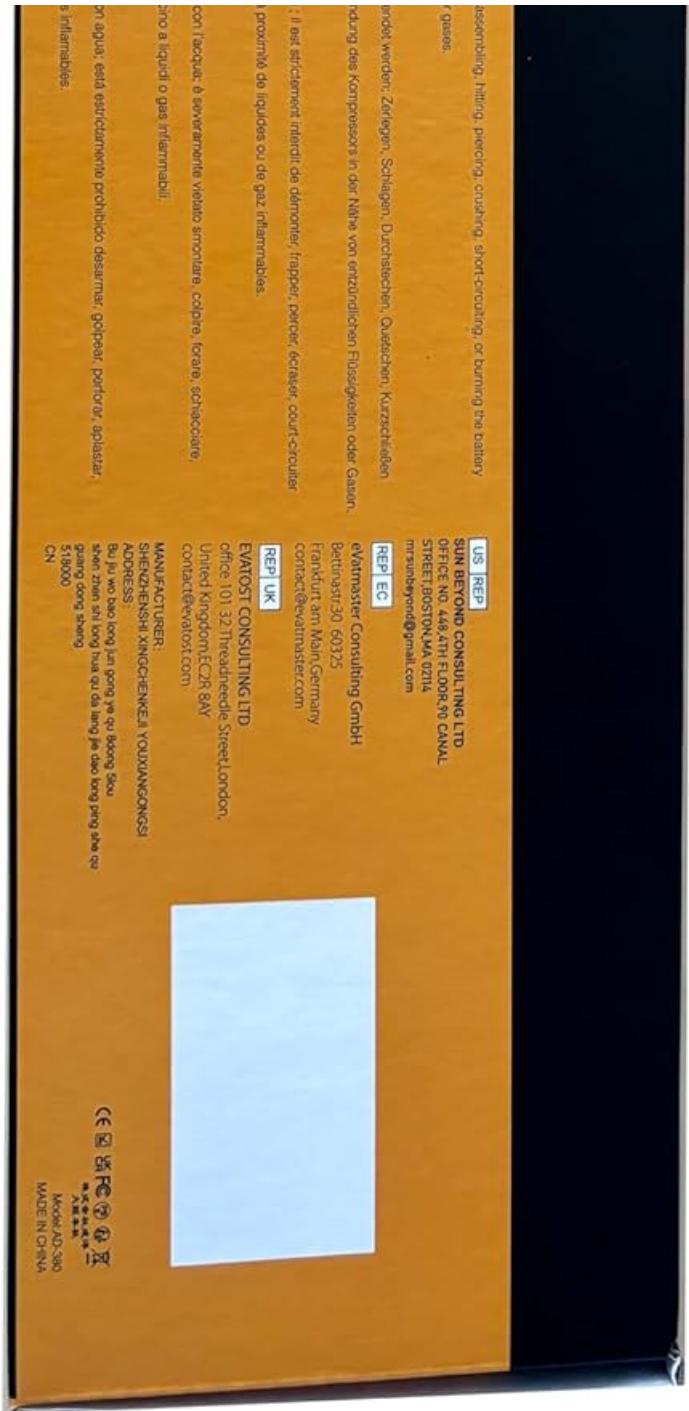
AUTDER AD380 Cordless Tire Inflator User Manual

Portable Air Compressor with 21V Rechargeable Battery

1. INTRODUCTION

The AUTDER AD380 Cordless Tire Inflator is a high-performance, portable air compressor designed for convenient and efficient inflation of various items. Its robust design, powerful battery, and intelligent features make it an essential tool for maintaining optimal pressure in tires and other inflatables.





This image displays the product packaging, highlighting key features such as 21V Lithium-Ion battery, 12V DC compatibility, LCD display, and 2.0Ah capacity.

2. SAFETY INFORMATION

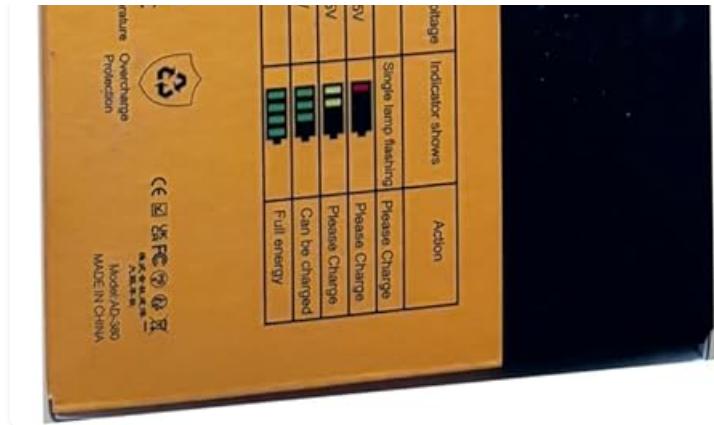
Please read and understand all safety warnings before operating the device to prevent injury or damage.

- To protect battery life, avoid prolonged exposure to moisture.
- Always charge the battery with the included power adapter. Do not attempt to charge the battery through the inflator body.
- The 12V DC car cable is intended for emergency use only and should not be used to charge the battery.
- Ensure the inflator is placed on a stable surface during operation to prevent tipping.
- Do not over-inflate items. The automatic shut-off feature helps prevent this, but always monitor the

pressure.

- Keep out of reach of children.





This image shows the side of the product packaging, which includes important warning labels regarding battery care and usage.

3. PACKAGE CONTENTS

The AUTDER AD380 cordless tire inflator comes with a comprehensive kit for various inflation needs:

- AUTDER AD380 Cordless Tire Inflator Unit
- 21V Rechargeable Battery
- High-pressure Hose with Quick Connector
- Power Adapter (for wall charging)
- 12V DC Car Cable (for emergency power)
- 4 Inflation Nozzles (for cars, motorcycles, bikes, and sports balls)
- 4 Tire Caps
- Portable Storage Bag
- User Manual



This image displays the main unit of the AUTDER AD380 Cordless Tire Inflator along with all the accessories included in the package, such as the battery, charging cables, and various nozzles.

AUTDER®

CORDED/CORDLESS Portable Air Compressor



Strong/Weak Airflow Mode:

Car and Bicycle Mode (**Strong Airflow Mode**): Selecting this mode activates the tire inflator's high airflow setting, which is ideal for efficiently inflating standard car tires, such as those sized 195/55R15, in just 180 seconds, and bicycle tires in as little as 30 seconds.

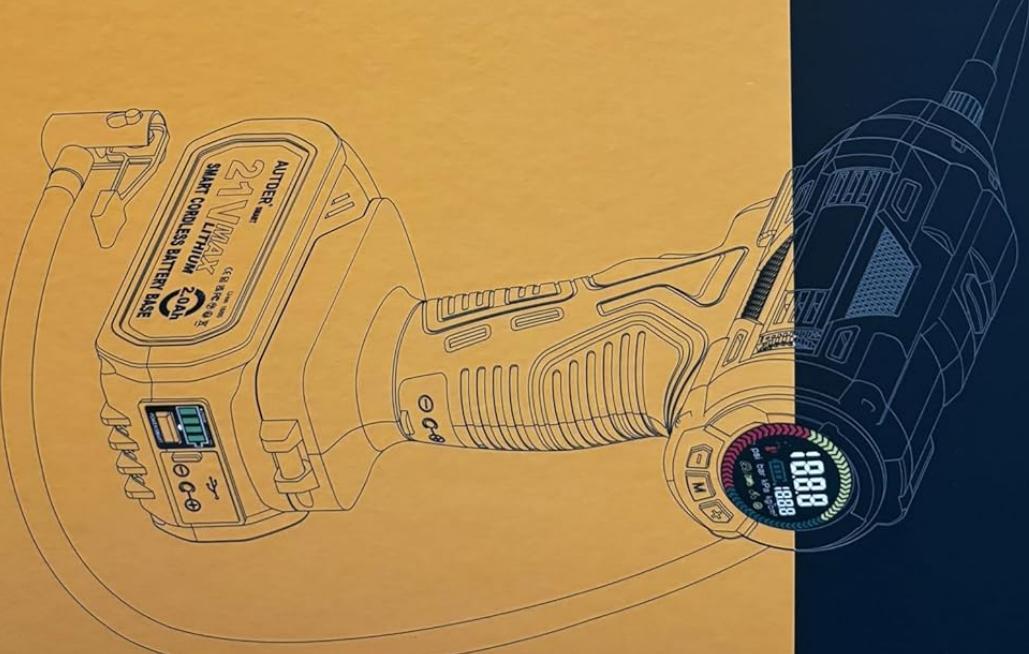
Ball Mode (**Weak Airflow Mode**): When you need to inflate a ball, simply switch the air pump to the ball mode. In this mode, the tire inflator operates with low airflow, ensuring a stable and safe inflation experience.

Note: It is crucial to avoid inflating a basketball or similar items in the car or bicycle mode. Excessive airflow in this scenario will trigger the automatic protection mechanism of the air pump, causing an immediate engine shut-off to prevent damage to the motor.

AUTDER ensures 100% satisfaction and provides an extended 12-month warranty.

Peak initial battery voltage, measured without a workload, is 21 volts, with a nominal voltage of 18 volts.

CE FCC Li-Ion 18650



This image highlights the convenient built-in accessory storage located on the battery base, perfect for small inflation needles and adapters.

4. SETUP

4.1. Charging the Battery

Before first use, fully charge the 21V rechargeable battery using the provided power adapter. A full charge typically takes approximately 2.5 hours.

- Connect the power adapter to the battery.
- Plug the adapter into a standard wall outlet (110v-240v).
- The battery indicator lights will show charging progress.

4.2. Attaching the Hose

Screw the high-pressure hose onto the inflator's air outlet until secure.

Cordless Tire Inflator

2 Modes for Your Travel Escort



Battery Power

Removable battery installed, rechargeable on the go.

Car Cables

Plug one end of the 12V cable into the car socket, the other end into the body of the air pump (Not the battery socket).



This image illustrates the two power modes: battery power for cordless operation and the 12V DC car cable for direct power from a vehicle's cigarette lighter socket (for emergency use).

5. OPERATING INSTRUCTIONS

The AUTDER AD380 features an intuitive digital interface and multiple inflation modes for ease of use.

5.1. Powering On and Mode Selection

- Press the power button to turn on the inflator. The digital display will illuminate.
- Use the mode selection button to cycle through the 4 smart modes (Car, Motorcycle, Bike, Ball) or the 1 Free Manual Mode.

5.2. Setting Target Pressure

- Once a mode is selected, the default pressure for that mode will be displayed.
- Use the '+' and '-' buttons to adjust the target pressure to your desired PSI, BAR, KPA, or Kg/cm².
- The adjustable pressure roller allows for precise adjustments.

5.3. Inflation Process

- Connect the appropriate inflation nozzle to the high-pressure hose and then securely attach it to the item to be inflated.
- Press the start button to begin inflation. The real-time pressure will be displayed on the screen.
- The inflator will automatically shut off once the preset target pressure is reached.

5.4. LED Light Operation

The integrated 30LM LED light offers three modes for visibility in low-light conditions:

- **Constant:** For general illumination.
- **Flashing:** For signaling or increased visibility.
- **SOS:** For emergency situations.

Wide Applications

4 Smart Modes & 1 Free Manual Mode



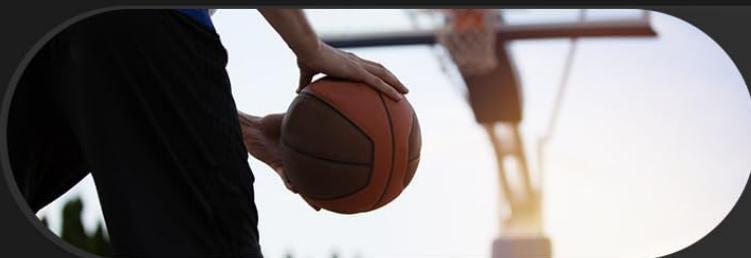
Car



Motorcycle



Bike



Ball



**Manual
Mode**

This image illustrates the various smart modes available on the inflator, including dedicated settings for cars, motorcycles, bikes, and sports balls, along with a manual mode for custom pressure settings.

AUTDER®

21V WIRELESS AIR PUMP

INTRODUCTION

We sincerely appreciate your purchasing of the AUTDER™ Rechargeable Tire Inflator Portable Air Compressor - Cordless Handheld Air Pump. This versatile device has been designed to efficiently and swiftly inflate your vehicle's tires, contributing to enhanced safety during your journeys.

This advanced device offers a range of convenient features, including tire pressure presetting via a pressure-adjusting dial, effortless quick adjustment of preset tire pressure using a thumbwheel, automatic shut-off for added safety, real-time progress display, a multi-unit display for your convenience, integrated LED lighting with an SOS function, and more. Furthermore, the included wireless battery pack can also serve as a power source for electronic devices, such as your mobile phone, in emergency situations.

This product boasts a wide range of applications, making it suitable for use with various vehicles including cars, SUVs, motorcycles, bicycles, electric vehicles, and electric bicycles. Additionally, it can be employed to inflate items such as sports balls and small inflatable toys, ensuring its versatility for a multitude of needs. **Not applicable for large trucks, tractor, trailer or other large-capacity objects.**

Remember that Run time will vary depending on the battery level, the pressure load during use, and the operating conditions.

Product specifications and parameters:

Product Name: 21V wireless air pump

Product Size: 6.42x0.07x0.6 inches / 163x78x288 mm

Hose Length: 23.6in/60 cm

Product Weight: 3 pounds/1.36kg

Product Material: Nylon + 10% fiber, TPU, ABS (fireproof), silicone

LED Lamp: 100LM (3 modes: normal, intense flash, SOS)

Maximum Battery Voltage: 21V/1A

Car Adapter: 12V/10A

Rated Voltage: 21V

Rated Power: 180W

Maximum Air Volume: 50L/PM

Pressure Unit Conversion: 1PSI≈0.0689Bar≈6.9kPa≈0.07kgf/cm²

Maximum Inflation Pressure: 180PSI (flashing when surpassing 180 PSI)

Pressure Gauge Precision: ± 3%PSI (at standard temperature of 25 °C and 75% humidity)

Pressure Units: PSI, BAR, KPA, KG/cm²

Mode Switch: short press '+' button to switch, and the screen will successively display the motorcycle → bicycle → basketball. When switching the mode, the default settings shall be displayed correspondingly (preset values: 36PSI for cars and motorcycles - 60PSI for bicycles - 8PSI for basketballs).

Over-temperature Protection: when the cylinder temperature exceeds 120 °C/248°F, the temperature symbol will flash, and the air pump will shut off automatically.

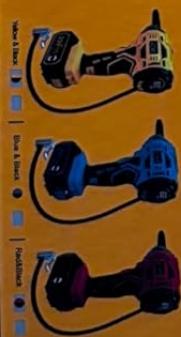
Reference table of the pressure unit and display range.

Pressure Unit	Pressure Range
PSI	0-100
Bar	0.2-12.4
KPa	20.6-990
Kg/cm²	0.2-2.6
Reference Temperature and Humidity of test Environment	65°F-75°F(18°C-24°C)
Humidity	45%RH-65%RH



AUTDER utilizes an exclusive PMP battery management system in its batteries. This system accurately calculates charge, discharge, and offers voltage and temperature management for enhanced power supply protection.

※ The battery pack is not fully charged out of the carton, please fully charge it before use.



This image shows the inflator in use, highlighting its digital display which provides real-time pressure monitoring and allows for easy setting of target inflation pressure.

Official Product Video: Inflation Demonstration

Your browser does not support the video tag.

This video provides a comprehensive demonstration of the AUTDER AD380 Cordless Tire Inflator in action, showcasing its ease of use and efficient inflation capabilities for various items.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AUTDER AD380 Cordless Tire Inflator, follow these maintenance guidelines:

- **Cleaning:** Wipe the unit with a soft, dry cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the inflator and its accessories in the provided portable storage bag in a cool, dry place, away from direct sunlight and moisture.
- **Battery Care:** Fully charge the battery before long-term storage and recharge it every 3-6 months to maintain battery health.
- **Hose Inspection:** Regularly inspect the high-pressure hose and connectors for any signs of wear, cracks, or damage. Replace if necessary.

7. TROUBLESHOOTING

If you encounter issues with your AUTDER AD380, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Inflator does not turn on / No power	Battery is depleted or faulty.	Ensure the battery is fully charged using the provided wall adapter. If the battery does not hold a charge after prolonged charging, it may need replacement.
Slow inflation or low pressure	Hose connection is loose or nozzle is incorrect.	Check that the hose is securely screwed onto the inflator and the nozzle is properly attached to the item. Ensure the correct nozzle is used for the item being inflated.
Inflator stops unexpectedly	Overheat protection activated or target pressure reached.	Allow the unit to cool down if it feels hot. Check the digital display to confirm if the preset pressure has been reached.
Inaccurate pressure reading	Sensor calibration issue or external gauge discrepancy.	Ensure the hose is tightly connected. If discrepancies persist, compare with a reliable external pressure gauge.

8. SPECIFICATIONS

Feature	Specification
Model Name	AD380
Brand	AUTDER
Voltage	21 Volts

Feature	Specification
Maximum Operating Pressure	180 PSI
Air Flow Capacity	50 LPM (Liters Per Minute)
Power Source	Battery Powered (21V 2000mAh Lithium Battery)
Noise Level	79 dB
Item Weight	2.99 pounds (1.36 Kilograms)
Product Dimensions	6.42" L x 3.07" W x 10.6" H
Material	Nylon +10% fiber, TPU, ABS (fireproof), Silicone
Special Features	Pressure Detection, Portable, Cordless, Automatic Shut-Off, Quick Inflation, Built-in LED Light

Dual Powerful Motors for 30% Longer Life



Dual Metal Motors



Heat Dissipation Design



Circuit Protection



Auto Stop Function



This image provides an internal view of the inflator, highlighting its dual powerful motors, heat dissipation design, circuit protection, and auto-stop function for enhanced durability and safety.

9. WARRANTY AND SUPPORT

AUTDER ensures 100% satisfaction and provides an extended 12-month warranty for the AD380 Cordless Tire Inflator. For any inquiries or support, please contact AUTDER customer service.

- Email: autder@outlook.com

• **WhatsApp:** Scan QR Code or [Click Here](#)

• **Facebook:** [Autderdirect](#)

For additional support, please refer to the contact information provided on the product packaging or visit the official AUTDER website.

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Related Documents - AD-380

	<p>AUTDER Cordless Smart Tire Inflator Air Compressor AD380 User Manual</p> <p>Comprehensive user manual for the AUTDER AD380 Cordless Smart Tire Inflator Air Compressor. Learn about features, safety precautions, inflation instructions, specifications, troubleshooting, and warranty.</p>
	<p>AUTDER Wireless Portable Air Compressor FC-368 User Manual</p> <p>This manual provides instructions and safety precautions for the AUTDER Wireless Portable Air Compressor, model FC-368. Learn how to charge the battery, connect and use the device, and understand its technical specifications.</p>
	<p>AUTDER AD-808 12V/24V Digital Battery Tester & Charging System Analyzer User Manual</p> <p>Comprehensive user manual for the AUTDER AD-808, a 12V/24V digital battery tester and charging system analyzer. Learn how to test battery voltage, charging system, and interpret LED indicators.</p>
	<p>NightSearcher WorkStar Connect User Manual Portable LED Work Light</p> <p>Comprehensive user manual for the NightSearcher WorkStar Connect portable LED work light. Learn about its features, operation modes, how to change battery adapters for various tool brands, available accessories like tripods, warranty details, and product specifications. Find information on responsible disposal and recycling.</p>