KeenPower RC219

KeenPower Digital Cordless Tire Inflator

Model: RC219 User Manual

1. Introduction

Thank you for choosing the KeenPower Digital Cordless Tire Inflator. This portable air compressor is designed for efficient and convenient inflation of various items, including car tires, motorcycle tires, bicycle tires, and sports balls. With its dual power supply options, smart modes, and automatic shut-off feature, it provides a reliable solution for your inflation needs.

Please read this manual thoroughly before operating the device to ensure safe and optimal performance. Keep this manual for future reference.



Image 1: KeenPower Digital Cordless Tire Inflator and its accessories.

2. What's in the Box

- SMART TIRE INFLATOR
- 21V RECHARGEABLE BATTERY
- BATTERY CHARGER
- 12V CAR ADAPTER

- HANDBAG

3. Key Features

- **4+N Smart Modes:** Equipped with 4 preset inflation modes (Car, Motorcycle, Bicycle, Ball) for common items, plus a manual mode (N) allowing pressure settings from 3-160 PSI.
- **Auto Shut-Off:** Automatically stops inflation once the preset pressure is reached, preventing over-inflation.
- **Fast Inflation:** Delivers up to 60 liters of air per minute, quickly inflating tires.
- **Dual Power Supply:** Operates on a rechargeable 21V lithium battery for cordless use or via the 12V DC car adapter for continuous power.
- **Digital LCD Screen:** Displays both preset and real-time pressure values, with switchable units (Bar, kPa, PSI, kg/cm^2).
- **3 Mode LED Light:** Built-in powerful LED light with SOS, steady, and strobe modes for visibility and emergencies.

4. Setup

4.1 Charging the Battery

Before first use, fully charge the 21V lithium battery using the provided battery charger. Connect the charger to a standard power outlet and then to the battery. The indicator lights on the battery will show the charging status.

4.2 Attaching the Air Hose

Screw the air hose securely onto the inflator's air outlet. Ensure it is tightened to prevent air leakage during operation.

4.3 Power Supply Options

- **Battery Power:** Insert the fully charged 21V lithium battery into the base of the inflator until it clicks into place.
- **DC 12V Car Power:** If the battery is low or not available, connect the 12V car adapter to your vehicle's cigarette lighter socket and then to the inflator's DC input port.



Image 2: The inflator supports both 21V battery and 12V DC car power supply.

5. Operating Instructions

5.1 Powering On and Display

Press the power button to turn on the inflator. The LCD screen will illuminate, displaying the current pressure and the selected unit. You can switch between pressure units (PSI, BAR, KPA, kg/cm²) by pressing the 'UNIT' button.



Image 3: Real-time pressure monitoring on the LCD screen.

5.2 Selecting Inflation Mode

Press the 'MODE' button to cycle through the 4 preset modes: Car, Motorcycle, Bicycle, and Ball. Each mode has a default preset pressure range. For custom pressure, select the Manual mode (indicated by a person icon) and adjust the pressure using the '+' and '-' buttons.



Image 4: Overview of the 4+N smart inflation modes.

5.3 Setting Desired Pressure

Once a mode is selected, use the '+' and '-' buttons to set your desired target pressure. The display will show the target pressure. The manual mode allows setting pressure from 3 to 160 PSI.



Image 5: The inflator automatically shuts off when the preset pressure is reached.

5.4 Connecting to Item and Inflating

1. Connect the air hose nozzle securely to the valve stem of the item you wish to inflate. Ensure a tight seal to prevent air loss.
2. Press the trigger button to begin inflation. The inflator will start pumping air, and the real-time pressure will be displayed on the screen.
3. The inflator will automatically stop once the preset pressure is reached.

4. Disconnect the air hose from the valve stem.

5.5 Using the LED Light

Press the light button to activate the built-in LED light. Press again to cycle through the three modes: steady light, strobe, and SOS. This feature is useful for nighttime inflation or emergency situations.



Image 6: The ultra-bright LED flashlight provides illumination for dark environments.

6. Maintenance

- **Cleaning:** Wipe the inflator with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no water enters the device.
- **Storage:** Store the inflator and its accessories in the provided handbag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, charge the battery fully before storing for extended periods and recharge every 3-6 months if not in use.
- **Hose Inspection:** Regularly check the air hose for any signs of wear, cracks, or damage. Replace if necessary to maintain proper sealing.

7. Troubleshooting

Problem	Possible Cause	Solution
Inflator does not turn on.	Battery is not charged or not properly inserted. / 12V adapter not connected or faulty.	Ensure battery is fully charged and securely inserted. / Check 12V adapter connection and vehicle's power outlet.
Inflator runs but no air comes out.	Air hose is not securely attached. / Nozzle is not properly connected to valve stem.	Tighten air hose connection. / Ensure nozzle is firmly pressed onto the valve stem.
Inaccurate pressure reading.	Loose connection at valve stem. / Sensor malfunction.	Ensure a tight seal at the valve stem. / Contact customer support if issue persists.
Inflator stops prematurely.	Preset pressure reached. / Battery low. / Overheating.	Check preset pressure. / Recharge battery. / Allow device to cool down before resuming.

8. Specifications

Specification	Value
Brand	KeenPower
Model Name	RC219
Voltage	21 Volts
Power Source	Battery Powered / DC 12V
Max Pressure	160 PSI
Air Flow Capacity	60 LPM
Noise Level	68 dB
Item Weight	1.71 Kilograms (approx. 3.76 pounds)
Material	ABS
Color	Red

9. Safety Information

- Always wear eye protection when operating the inflator.
- Do not leave the inflator unattended while in operation.
- Keep out of reach of children.
- Do not operate the inflator in wet conditions or near flammable liquids or gases.
- Ensure the item being inflated does not exceed its maximum recommended pressure.
- Allow the inflator to cool down if it becomes hot during prolonged use.
- Do not attempt to disassemble or modify the inflator.

10. Warranty and Support

KeenPower products are manufactured to high-quality standards. For any warranty claims, technical support, or inquiries regarding your KeenPower Digital Cordless Tire Inflator, please contact KeenPower customer service through the retailer's platform or the official KeenPower website. Please have your purchase details and model number (RC219) ready when contacting support.

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

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Answered questions about this manual

What do the four blue lights on the KeenPower RC219 tire inflator battery indicate?

On the KeenPower RC219 Digital Cordless Tire Inflator, the four blue lights located on the 21V lithium battery pack are battery level indicators. These lights show the current charging status and remaining power of...

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