

1. Product Overview

The ROCGORLD R8 is a portable, DC 12V air compressor designed for inflating car tires, motorcycle tires, bicycle tires, sports balls, and other inflatables. It features a dual digital display, auto-shutoff function, and a compact design for easy storage and transport.



Key Identifiers: Model R8, powered by 12V DC vehicle power outlet (cigarette lighter socket). Available in multiple colors including Red, Blue, Yellow, and Orange.

2. Specifications

- **Brand:** ROCGORLD
- **Model:** R8
- **Voltage:** 12 Volts (DC)
- **Maximum Pressure:** 150 PSI
- **Air Flow:** 40 Liters per Minute
- **Noise Level:** 69 Decibels
- **Power Source:** Corded Electric (Vehicle 12V outlet)
- **Power Cord Length:** 10 Feet
- **Hose Length:** 2 Feet
- **Dimensions:** 6.49" L x 2.79" W x 4.92" H
- **Weight:** 2.16 Pounds
- **Pressure Units:** PSI, BAR, KPA, KG/CM²

Important Power Note

This inflator does not include a battery and **cannot be powered directly by an AC wall plug**. It must be connected to a standard 12V DC vehicle power outlet (10-15 amps). Using an incorrect power source can damage the compressor.

3. What's in the Box

- ROCGORLD R8 Tire Inflator Unit
- Carrying Bag
- Schrader-Presta Valve Adapter
- Fuse
- Needle Valve (for sports balls)
- Extension Nozzle
- Power Cord and Air Hose (attached)
- User Manual (this document)



4. Controls and Display



Dual Digital Screen

The screen shows two values simultaneously:

- **Preset Value (Left):** The target pressure you have set.
- **Real-Time Value (Right):** The current pressure detected in the tire or inflatable object.

Control Buttons & Indicators

- **Power Button (I/O):** Turns the unit on and off.
- **Mode/Unit Button (M):** Cycles through pressure units (PSI, BAR, KPA, KG/CM²).
- **+ / - Buttons:** Increase or decrease the preset pressure value.
- **Memory Button:** Recalls the last used preset pressure.
- **Light Button:** Cycles through three lighting modes: Spotlight, SOS (red flashing), Strobe.

5. Usage Guide

5.1 Before First Use

1. Inspect the unit, power cord, and hose for any visible damage.
2. Ensure your vehicle's engine is running or in the accessory position to provide stable power and prevent battery drain.
3. Familiarize yourself with the recommended pressure (PSI) for the item you are inflating. This information is typically found on the tire sidewall, ball surface, or in the vehicle's manual.

5.2 Inflating a Car, Motorcycle, or Bicycle Tire

1. **Connect:** Plug the 12V power cord into your vehicle's DC power outlet (cigarette lighter socket).
2. **Attach:** Remove the valve cap from the tire. Firmly press the inflator's metal chuck onto the tire valve stem. Ensure it is seated straight to prevent air leaks.
3. **Preset:** Turn the unit on with the Power button. Use the **M** button to select your desired unit (e.g., PSI). Use the **+** and **-** buttons to set the target pressure.
4. **Start:** Press and hold the Power button again to begin inflation. The compressor will start, and the real-time pressure will be shown on the right side of the display.
5. **Auto-Stop:** The unit will automatically shut off when the preset pressure is reached. A beep may sound.
6. **Disconnect:** Quickly remove the chuck from the valve stem and replace the valve cap. Unplug the power cord from the vehicle.



5.3 Inflating Sports Balls and Other Inflatables

1. Screw the appropriate nozzle (needle valve for balls) onto the end of the air hose.
2. Insert the needle into the ball's inflation valve.
3. Follow steps 3-6 from section 5.2. Use lower pressure settings as required by the sports equipment (typically 4-12 PSI).

5.4 Using the Emergency Lights

Press the Light button to cycle through modes. Useful for roadside emergencies or low-light conditions.

- **Spotlight:** Constant white light for illumination.
- **SOS:** Red flashing light for signaling distress.
- **Strobe:** White flashing light for attracting attention.

6. Safety and Maintenance

Warnings

- Use only with a 12V DC power source. Do not use with household AC current.
- Do not operate the compressor continuously for more than 10 minutes. Allow it to cool for 10-20 minutes between extended uses to prevent overheating.
- Keep the power cord and air hose away from heat, oil, sharp edges, and moving engine parts.
- Do not use in or near flammable atmospheres or materials.
- Do not modify the unit or use damaged accessories.
- Always set the vehicle's parking brake when inflating tires.

Maintenance

- Store the unit in the provided carrying bag in a cool, dry place.
- Periodically check the air hose and power cord for cracks or wear.
- Clean the exterior with a dry cloth. Do not use liquids or solvents.
- If the fuse blows, replace it with an identical 10-15 amp fuse.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	Vehicle outlet not powered; Loose connection; Blown fuse.	Start the vehicle; Check connections; Replace the fuse.
Compressor runs but does not inflate.	Leak at valve connection; Hose obstruction.	Re-seat the chuck on the valve stem. Check hose for blockages.
Pressure reading is inaccurate or flashes.	Loose valve connection; Sensor error.	Ensure a tight seal on the valve stem. Turn unit off and on.
Unit stops unexpectedly.	Overheating; Reached preset pressure.	Allow unit to cool. Check if target pressure was reached (Auto-stop).
Error code on display.	Internal fault; Overload.	Turn unit off, disconnect from power, wait 5 minutes, and retry.

8. Warranty and Support

This product is covered by a **two-year limited warranty** from the date of purchase against defects in materials or workmanship.

For warranty service, technical support, or to contact the manufacturer (ROCGORLD), use the contact methods provided by the seller on your original sales receipt or the Amazon product listing page.

Note: The warranty does not cover damage resulting from misuse, accident, unauthorized modification, or failure to follow instructions.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.