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> [INJORA ModuWheel 1.3" Negative Offset Brass & Aluminum Beadlock Wheels User Manual](#)

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INJORA ModuWheel 1.3" Negative Offset Brass & Aluminum Beadlock Wheels User Manual

Model: ModuWheel 1.3" Negative Offset Beadlock Wheels

Brand: INJORA

1. INTRODUCTION AND OVERVIEW

The INJORA ModuWheel 1.3" Negative Offset Brass & Aluminum Beadlock Wheels are precision-engineered components designed to enhance the performance and aesthetics of 1/18 and 1/24 scale RC vehicles. These wheels feature a modular design, combining durable brass and lightweight aluminum for optimal weight distribution and strength. The negative offset design provides a wider stance, improving stability and handling during off-road and rock crawling activities. Each wheel is CNC machined for high precision and an exquisite finish, ensuring a reliable upgrade for your RC model.



Figure 1: Exploded view of the ModuWheel components, highlighting the brass and aluminum construction.

2. SETUP AND INSTALLATION

Installing the INJORA ModuWheel beadlock wheels requires careful assembly to ensure proper tire seating and optimal performance. Follow these steps for a secure installation:

1. **Prepare Components:** Ensure all wheel components (inner ring, outer ring, central hub, screws) and your chosen 1.3" RC tires are clean and free of debris.
2. **Insert Foam:** If using foam inserts, carefully place them inside the tire.
3. **Position Tire:** Place one side of the tire bead onto the inner ring of the wheel.
4. **Align Outer Ring:** Carefully align the outer ring with the inner ring, ensuring the tire bead is properly seated between them. The modular design allows for flexible assembly.
5. **Secure with Screws:** Insert and tighten all small screws around the perimeter of the wheel. Tighten them in a star pattern to ensure even pressure and a secure beadlock. Avoid over-tightening to prevent stripping.

Video 1: Demonstration of tire and foam insert installation for 1.3 inch wheels.

3. OPERATING INSTRUCTIONS

Once properly installed, your INJORA ModuWheel beadlock wheels are ready for action. These wheels are designed for optimal performance in various RC crawling and off-roading conditions.

- **Enhanced Stability:** The -4.05mm negative offset provides a wider track width, significantly improving the stability of your RC vehicle on uneven terrain and during side-hilling maneuvers.
- **Improved Grip:** When paired with appropriate 1.3" tires, the beadlock design ensures the tire bead remains securely seated, preventing tire slippage even under extreme torque and low tire pressures, maximizing traction.
- **Weight Distribution:** The brass components add crucial weight to the lower part of the vehicle, lowering the center of gravity and enhancing climbing ability and overall control.



Figure 2: The ModuWheel installed on an RC truck, demonstrating its robust appearance and contribution to a wider stance.

Video 2: An RC car equipped with INJORA 1.3 ModuWheels and XHX Pin Tires navigating an obstacle course, highlighting wheel performance.

4. MAINTENANCE

Regular maintenance will prolong the life and performance of your INJORA ModuWheel beadlock wheels.

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the wheels to remove mud, dirt, and debris. Use a soft brush and mild soap with water, then rinse thoroughly and dry completely.
- **Inspection:** Periodically inspect all screws for tightness. Due to vibrations and impacts during operation, screws can loosen over time. Re-tighten as necessary. Check the wheel components for

any signs of damage, cracks, or excessive wear.

- **Storage:** Store the wheels in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.

5. TROUBLESHOOTING

If you encounter issues with your ModuWheel beadlock wheels, consider the following troubleshooting steps:

- **Loose Screws:** If the tire feels loose or wobbles, check all beadlock screws. Tighten any loose screws using the appropriate hex driver.
- **Tire Bead Not Seating Properly:** If the tire bead is not holding, disassemble the wheel and tire. Inspect the tire bead and wheel rings for any obstructions or damage. Re-assemble carefully, ensuring the tire bead is fully seated before tightening the screws.
- **Reduced Performance/Traction:** Ensure tires are not worn out. Check if foam inserts are still providing adequate support. Verify that the wheels are securely mounted to the RC vehicle's axles.

6. SPECIFICATIONS

Feature	Specification
Outer Diameter	33.5mm (1.32in)
Width	16.5mm (0.65in)
Wheel Hub	7mm (0.28in)
Weight (Each)	43g/pcs (0.094lb)
Offset	-4.05mm Negative Offset
Material	Brass & Aluminum
Compatibility	1/18, 1/24 RC Vehicles

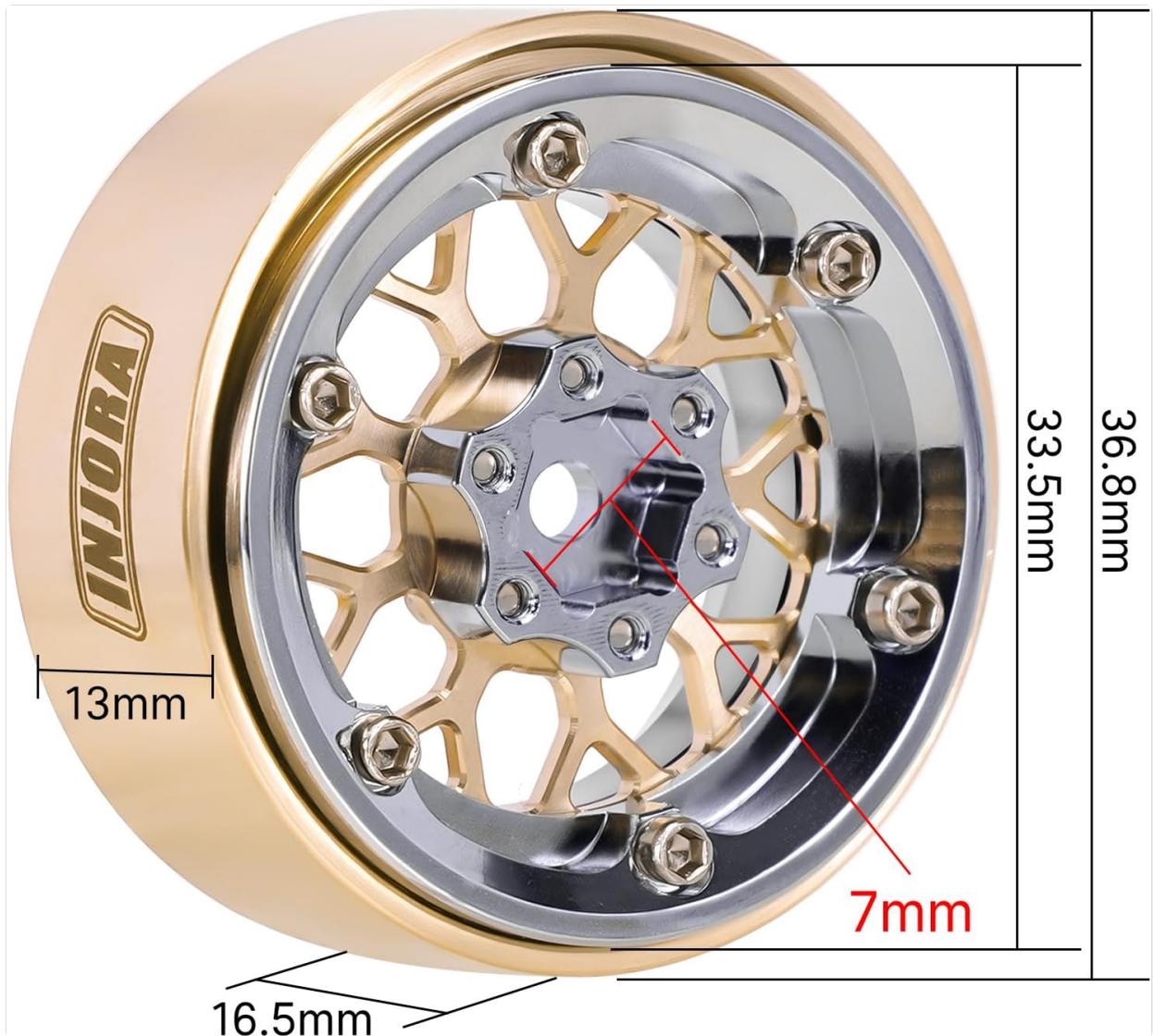


Figure 3: Dimensional diagram of the INJORA ModuWheel.

7. WARRANTY AND SUPPORT

INJORA products are manufactured to high standards and are backed by a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, including duration and coverage, please refer to the product packaging or the official INJORA website.

For technical support, troubleshooting assistance, or inquiries regarding your INJORA ModuWheel beadlock wheels, please contact INJORA customer service through their official website or the retailer from whom the product was purchased. Please have your product model and purchase information ready when contacting support.