

Elecony W3104

Elecony Foldable Mountain Bike Tire Instruction Manual

Model: W3104

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1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Elecony Foldable Mountain Bike Tire. Designed for durability and performance, these tires are suitable for various terrains, including mountains, jungles, and city streets. Please read this manual thoroughly before use to ensure optimal performance and safety.

2. PRODUCT FEATURES

- **Versatile Sizing:** Available in 26, 27.5, and 29 x 2.10 inch sizes to fit a range of mountain bikes.
- **Foldable Design:** The tire's foldable bead allows for easy transport and storage, making it an excellent choice for a spare tire.
- **60 TPI Casing:** Features a 60 Threads Per Inch (TPI) casing, providing a supple ride, enhanced comfort, and lower rolling resistance for improved performance.
- **Durable Construction:** Made from high-quality rubber material, offering strong grip and excellent abrasion resistance.
- **Sidewall Construction:** Features a lightweight yet flexible woven fabric component in its sidewall. Note: The product packaging indicates a "Level 1: Base structure, none anti-puncture specification" for the Defender System.
- **Optimized Tread Pattern:** The "Billy Goat" triangle grain tread pattern is designed for effective drainage and strong rolling direction, balancing speed and grip across diverse terrains.

Performance Upgrade !



+15%
Better grip



+20%
More effectively
Channel water



+10%
Better shock
absorption



Figure 2.1: Elecony mountain bike tire mounted on a wheel, illustrating key performance benefits such as improved grip, efficient water channeling, and enhanced shock absorption.

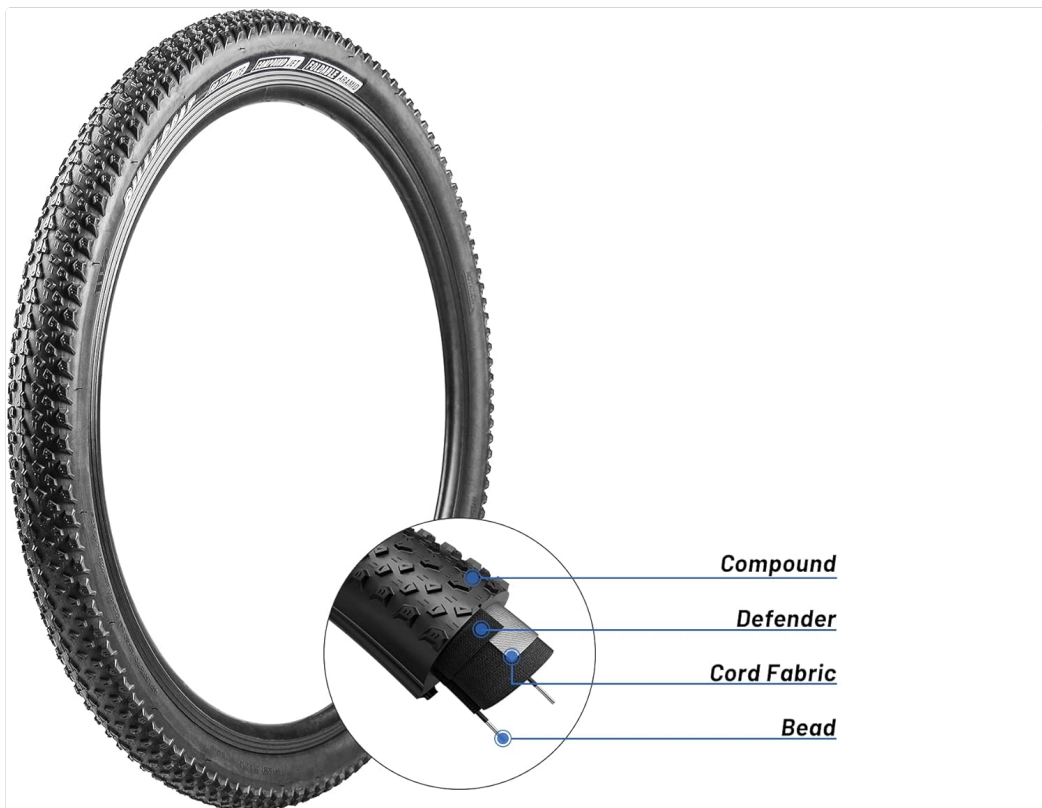


Figure 2.2: Internal structure of the Elecony tire, detailing the Compound, Defender layer for puncture resistance, Cord Fabric, and the tire Bead.

3. SAFETY INFORMATION

Always prioritize safety when installing and using bicycle tires. Improper installation or maintenance can lead to accidents and injury.

- Ensure the tire is correctly seated on the rim before inflation.
- Do not exceed the maximum or fall below the minimum PSI (Pounds per Square Inch) indicated on the tire sidewall.
- Regularly inspect tires for wear, cuts, or embedded objects.
- Always wear appropriate safety gear when cycling.
- If you are unsure about installation, consult a professional bicycle mechanic.

4. INSTALLATION GUIDE

Follow these steps for proper installation of your Elecony Foldable Mountain Bike Tire. Tools required: tire levers, bicycle pump, and a new inner tube (if not tubeless ready).

1. **Remove Old Tire:** Deflate the old tire completely. Use tire levers to carefully pry one bead of the old tire off the rim, then remove the inner tube and the other bead.
2. **Inspect Rim:** Check the rim for any sharp edges, dents, or spoke protrusions that could damage the new tire or tube. Ensure the rim tape is intact and properly seated.
3. **Install One Bead:** Place one bead of the new Elecony tire onto the rim. Start opposite the valve hole and work your way around.
4. **Insert Inner Tube:** Lightly inflate the inner tube (just enough to give it shape) and insert it into the tire, aligning the valve stem with the valve hole on the rim.
5. **Install Second Bead:** Starting from the valve stem, carefully work the second bead of the tire onto the rim. Use your thumbs or tire levers for the final section, being careful not to pinch the inner tube.
6. **Check Seating:** Before full inflation, ensure both tire beads are evenly seated on the rim. You can often see a molded line on the tire just above the rim edge; this line should be consistent all around.
7. **Inflate Tire:** Slowly inflate the tire to the recommended PSI range (65-110 PSI) indicated on the tire sidewall. Continuously check that the tire beads remain properly seated during inflation.



Figure 4.1: A close-up view of the Elecony mountain bike tire mounted on a wheel, showcasing its tread pattern and sidewall details.

5. OPERATING INSTRUCTIONS

Optimal tire performance depends on correct inflation and suitability for riding conditions.

- **Tire Pressure (PSI):** Maintain tire pressure within the recommended range of 65-110 PSI. Lower pressures offer more grip and comfort on rough terrain, while higher pressures reduce rolling resistance on smoother surfaces. Adjust based on rider weight, terrain, and riding style.
- **Terrain Suitability:** The "Billy Goat" tread pattern is designed for versatility, performing well on mountain trails, through light jungle paths, and on urban streets. Its design balances fast rolling with effective grip.
- **Break-in Period:** New tires may require a short break-in period. Ride cautiously for the first few rides to familiarize yourself with the tire's handling characteristics.



Figure 5.1: Detailed view of the Elecony tire's "Billy Goat" tread pattern, engineered for balanced grip and rolling efficiency.

6. MAINTENANCE

Regular maintenance extends the life of your tires and ensures safe riding.

- **Pressure Checks:** Check tire pressure before every ride. Tires naturally lose air over time.
- **Visual Inspection:** Regularly inspect the tire tread and sidewalls for cuts, cracks, bulges, or embedded debris (glass, thorns, etc.). Remove any foreign objects carefully.
- **Cleaning:** Clean tires with mild soap and water after riding in muddy or dirty conditions. Avoid harsh chemicals that can degrade rubber.
- **Storage:** Store your bicycle in a cool, dry place away from direct sunlight and extreme temperatures to prevent premature aging of the rubber.
- **Tire Rotation:** Consider rotating your front and rear tires periodically to promote even wear, especially if one tire wears faster than the other.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Frequent Punctures	Under-inflation, sharp objects, worn tire, pinched tube during installation.	Maintain correct PSI. Inspect tire for embedded objects. Replace worn tires. Reinstall tube carefully. Consider puncture-resistant inner tubes or tire liners.
Tire Wobbles/Uneven Ride	Improperly seated tire bead, bent rim, damaged tire casing.	Deflate and re-seat the tire, ensuring beads are even. Inspect rim for damage. Replace tire if casing is damaged.
Loss of Air Pressure	Puncture, faulty valve stem, improperly seated bead.	Check for punctures and repair/replace tube. Tighten valve stem. Re-seat tire beads.

8. SPECIFICATIONS

Feature	Detail
Brand	Elecony
Model Number	W3104
Tire Type	Clincher (Tube Type)
Material	High-Quality Rubber
Available Sizes	26 x 2.10 inch, 27.5 x 2.10 inch, 29 x 2.10 inch
TPI (Threads Per Inch)	60 TPI Lite
PSI Range	65-110 PSI
Folded Size (26x2.10)	30 x 12 x 10 cm
Puncture Protection	Woven fabric component in sidewall. (Note: Product packaging indicates "Level 1: Base structure, none anti-puncture specification" for the Defender System.)

Feature	Detail
Tread Pattern	"Billy Goat" Triangle Grain Pattern
Bike Type Compatibility	Mountain Bike, Cruiser Bike

Note: Specifications may vary slightly depending on the specific tire size and production batch.

9. WARRANTY AND SUPPORT

Elecony products are manufactured to high standards. This product comes with a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, claims, or technical support, please refer to the product packaging or contact Elecony customer service directly through their official website or the retailer where the product was purchased.

Always retain your proof of purchase for warranty purposes.

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For more information, visit www.elecony.com