

EMotorad T-Rex Air

EMotorad T-Rex Air Electric Mountain Bike User Manual

Model: T-Rex Air | Brand: EMotorad

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1. INTRODUCTION

Welcome to the EMotorad T-Rex Air Electric Mountain Bike user manual. This guide provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new e-bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



The EMotorad T-Rex Air electric mountain bike is designed for versatile riding, offering both pedal assistance and mechanical cycling.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. This e-bike is designed for adults between 163 cm and 183 cm and supports a maximum load of 110 kg.

General Safety Guidelines:

- Perform a pre-ride inspection before each use, checking brakes, tires, and battery security.
- Ensure all quick releases and fasteners are properly tightened.
- Do not ride under the influence of alcohol or drugs.

- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions or on excessively rough terrain if you are not experienced.

Battery Safety:

- Only use the charger provided by EMotorad.
- Do not expose the battery to extreme temperatures or direct sunlight for prolonged periods.
- Do not attempt to open or modify the battery pack.
- Charge the battery in a well-ventilated area, away from flammable materials.

3. PACKAGE CONTENTS

Upon unpacking your EMotorad T-Rex Air, please verify that all components are present and undamaged.

Included in the Box:

- EMotorad T-Rex Air Electric Mountain Bike (80% pre-assembled)
- Removable Battery Pack
- Battery Charger
- Tool Kit
- Keys for Battery Lock

A detailed digital user manual and assembly videos are available on the official EMotorad YouTube channel and via customer support.

4. SETUP AND ASSEMBLY

Your EMotorad T-Rex Air comes 80% pre-assembled. The following steps outline the final assembly and initial setup.

Assembly Steps:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or warranty claims.
2. **Handlebar Installation:** Attach the handlebar to the stem. Ensure the front fork is oriented correctly. The front section may arrive rotated 180 degrees; rotate it back to ensure brake cables are routed properly. Tighten all bolts securely.
3. **Front Wheel Installation:** Install the front wheel, ensuring the disc brake rotor is correctly seated within the caliper. Secure the quick release or axle nuts.
4. **Pedal Installation:** Identify left (L) and right (R) pedals. Thread them into the crank arms (left pedal is reverse threaded). Tighten firmly with a wrench.
5. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the saddle height for comfortable pedaling. Secure with the quick release lever.
6. **Battery Installation:** Insert the removable battery into its housing on the frame and lock it with the provided key. Ensure it is securely seated.
7. **Brake Adjustment:** Adjust the hydraulic disc brakes to ensure they engage smoothly and do not rub against the rotors when disengaged. Test brake effectiveness before riding.
8. **Tire Inflation:** Inflate tires to the recommended pressure indicated on the tire sidewall.



Ensure the front wheel and hydraulic disc brake are correctly installed and adjusted.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and features of your EMotorad T-Rex Air for an enjoyable riding experience.

Battery and Charging:

- The 36V 13Ah (468Wh) removable battery provides up to 65 km of assisted range.
- To charge, remove the battery or plug the charger directly into the bike. Charging to 80% takes approximately 4.6 hours.
- Always ensure the battery is fully charged before long rides.



The removable 36V 13Ah lithium-ion battery offers convenience for charging.

Power On/Off and Display:

- Press and hold the power button on the Cluster C4 display to turn the bike on or off.
- The C4 display shows current speed, battery level, and selected pedal assistance level.



The Cluster C4 display provides essential riding information at a glance.

Pedal Assistance:

- The T-Rex Air features 5 levels of pedal assistance. Use the controls on the handlebar to select your desired level.
- The 250W motor with 50Nm of torque provides smooth and powerful assistance as you pedal.
- The European model does not include a throttle or cruise control function, adhering to local regulations.
- A walk assist mode is available for easier maneuvering when not riding.



PASO

Conduce sin esfuerzo con asistencia eléctrica premium.

Experience effortless riding with the premium electric pedal assistance.

Gears and Brakes:

- Utilize the Shimano Tourney TY300 7-speed transmission to adapt to various terrains and inclines.
- The hydraulic disc brakes provide reliable stopping power. They also feature an automatic motor cut-off for enhanced safety during braking.



TRANSMISIÓN SHIMANO TOURNEY

Experimenta el máximo rendimiento con la transmisión Shimano TY300 de 7 velocidades: recorre senderos y calles de la ciudad con un rendimiento constante de principio a fin.

The Shimano Tourney 7-speed transmission ensures smooth gear changes.

Suspension:

- The 100 mm front suspension fork absorbs shocks and bumps, providing a comfortable ride on varied surfaces.



SUSPENSIÓN DELANTERA

Disfruta de una comodidad y un control superiores con 100 mm de recorrido de la suspensión delantera. Supera los baches de la ciudad y las carreteras irregulares, y experimenta una conducción más suave que nunca.

The front suspension enhances comfort and control over uneven terrain.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your EMotorad T-Rex Air.

General Care:

- Keep the bike clean. Wipe down the frame and components with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain regularly, especially after riding in wet conditions.
- Check tire pressure before each ride.
- Inspect brake pads for wear and replace as needed.

Battery Care:

- Store the battery in a cool, dry place when not in use.
- If storing for extended periods, charge the battery to 50-70% and recharge every 2-3 months to prevent deep discharge.
- Avoid fully depleting the battery frequently.



Regular inspection of the drivetrain and motor ensures smooth operation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your EMotorad T-Rex Air.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; loose electrical connection.	Ensure battery is charged and locked in place. Check all visible electrical connections.
Motor assistance not working	Low battery; pedal assist level set to zero; brake lever engaged; motor error.	Charge battery. Increase pedal assist level. Ensure brake levers are fully released. Check display for error codes (e.g., Error 007).
Brakes feel spongy or ineffective	Air in hydraulic lines; worn brake pads; misaligned caliper.	Have brakes inspected and bled by a qualified technician. Replace worn pads. Adjust caliper alignment.
Gears are not shifting smoothly	Derailleur out of adjustment; dirty or stretched chain; bent hanger.	Adjust derailleur limits and cable tension. Clean and lubricate chain. Consult a bike mechanic if issues persist.

If you encounter persistent issues or error codes not listed here, please contact EMotorad customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Model	T-Rex Air
Motor	250W, 50Nm Torque
Battery	36V 13Ah (468Wh) Removable Lithium-ion
Range (Assisted)	Up to 65 km

Feature	Detail
Charging Time (80%)	Approx. 4.6 hours
Frame Material	High-strength Steel
Wheel Size	29 Inches
Tire Width	2.1 Inches
Suspension	Front, 100 mm Travel
Brakes	Hydraulic Disc Brakes with Motor Cut-off
Gears	Shimano Tourney TY300, 7 Speeds
Pedal Assist Levels	5 Levels
Display	Cluster C4 (Speed, Battery, Assist Level)
Max Recommended Load	110 Kilograms
Recommended Rider Height	163 cm - 183 cm
Certifications	EN15194, CE Marked
Assembly Required	Partial (80% pre-assembled)
Included Components	Tool Kit

9. WARRANTY INFORMATION

EMotorad provides the following limited warranty for the T-Rex Air electric mountain bike:

- **Frame:** Lifetime warranty
- **Battery:** Two years
- **Motor Shell, Hub Motor, Controller:** One year
- **Electronic Handlebar Controls and Electrical Connections:** One year
- **Battery Charger:** Six months

Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and does not cover damage due to misuse, accidents, or normal wear and tear. For full terms and conditions, please refer to the official EMotorad warranty policy or contact customer support.

10. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your EMotorad T-Rex Air, please contact our dedicated customer support team.

EMotorad offers customer service and technical support in Spain. Please visit the official EMotorad website or refer to your purchase documentation for contact details.

We are committed to providing you with the best possible riding experience.