EVERCROSS EK6

EVERCROSS EK6 Electric Bicycle User Manual

Model: EK6

1. Introduction

Thank you for choosing the EVERCROSS EK6 Electric Bicycle. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

2. Safety Instructions

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations.

2.1. General Safety Precautions

- Ensure the bicycle is fully assembled and all components are securely fastened before each ride.
- Check tire pressure, brake function, and battery level before use.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in heavy rain, snow, or icy conditions.
- The EK6 features a zero-start function for safety: the motor will only engage after the bike reaches a speed of at least 3.75 MPH (6 KM/H).

2.2. Battery Safety

- Use only the original charger provided with the bicycle.
- Do not expose the battery to extreme temperatures or direct sunlight.
- Do not attempt to disassemble or modify the battery pack.
- Charge the battery in a well-ventilated area, away from flammable materials.

3. Package Contents

Upon opening the package, please verify that all the following items are included:

- 1 x EVERCROSS EK6 Electric Bicycle
- 1 x Bicycle Lock
- 1 x Inflator
- 1 x Charger
- 1 x User Manual (this document)

4. Assembly and Setup

The EVERCROSS EK6 Electric Bicycle comes partially assembled. Follow these steps to complete the setup.

4.1. Unfolding the Bicycle

Carefully remove the bicycle from its packaging. Unfold the frame and secure the locking mechanisms. Ensure the handlebar stem is upright and locked into position.



The EVERCROSS EK6 is designed for easy folding, allowing for convenient storage and transport, such as fitting into a car trunk.

4.2. Installing the Pedals

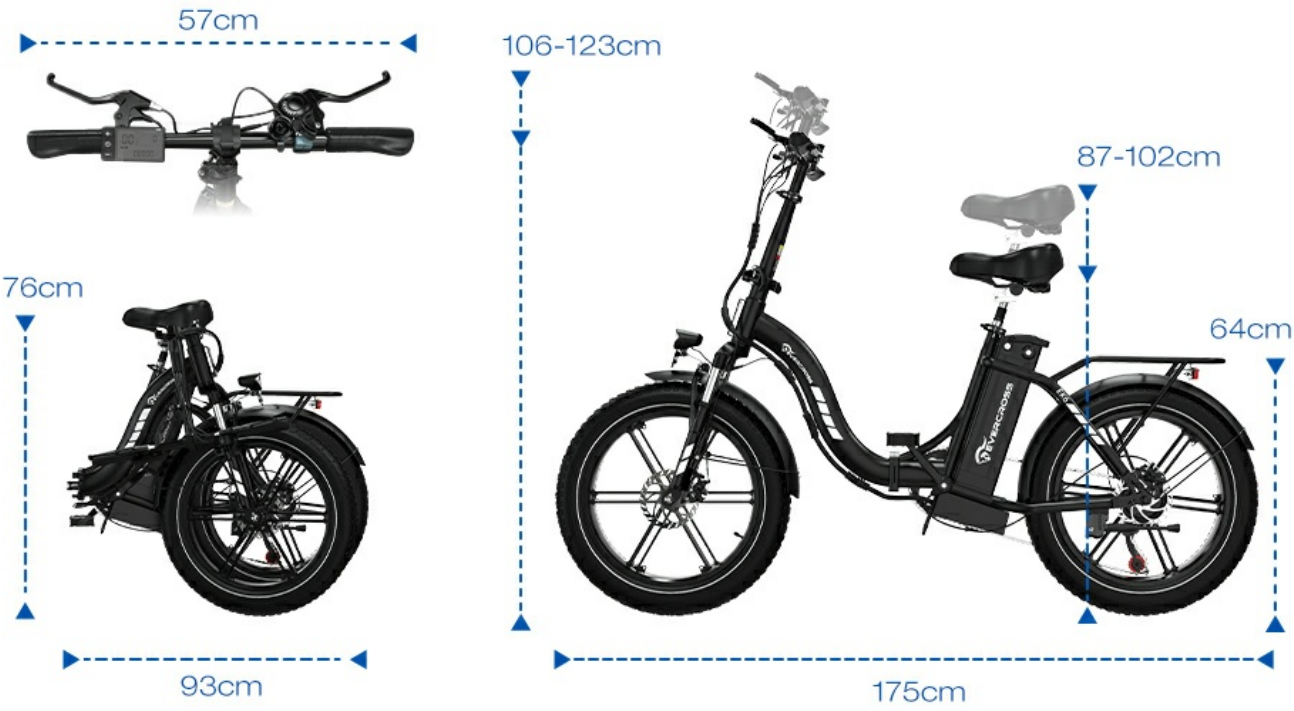
Identify the left (L) and right (R) pedals. Screw them into the corresponding crank arms. Note that the left pedal has a reverse thread. Tighten securely with a wrench.

4.3. Adjusting Seat and Handlebar Height

Adjust the seat and handlebar to a comfortable riding position. The handlebar height is adjustable from 106-123 cm, and the seat height from 87-102 cm, accommodating riders between 160-195 cm. Ensure the quick-release levers are securely tightened after adjustment.



The seat height can be easily adjusted for rider comfort. The image also highlights the removable battery, which can be locked and unlocked for charging or security.



This diagram provides key dimensions of the EVERCROSS EK6 electric bicycle, including its length, height, handlebar width, and folded dimensions, aiding in understanding its size and portability.

4.4. Charging the Battery

Before your first ride, fully charge the 48V 13Ah lithium-ion battery. Connect the charger to the charging port on the bicycle or directly to the removed battery. The indicator light on the charger will change when charging is complete.

5. Operating Instructions

5.1. Powering On/Off

Press and hold the power button on the LCD display to turn the bicycle on or off.



The intelligent LCD display provides real-time information such as battery level, current speed, and riding distance. Controls for power and speed assistance levels are integrated into the handlebar.

5.2. Riding Modes and Speed Control

The EK6 offers pedal-assist mode. The 250W high-speed motor provides assistance up to 25 km/h.

- **Pedal Assist:** The motor provides assistance as you pedal. Use the 3-speed LCD button to adjust the level of assistance.
- **7-Speed Gear:** Utilize the 7-speed mechanical gears to adapt to different terrains and riding conditions, providing a comfortable and efficient riding experience.



With its powerful motor and battery, the EVERCROSS EK6 can achieve a range of 45-90 km per charge in pedal-assist mode, making it suitable for extended rides.



The 7-speed gear system and 250W hub motor provide excellent power and adaptability for various terrains, including inclines up to 25%.

5.3. Braking System

The EK6 is equipped with front and rear mechanical dual disc brakes, providing reliable stopping power in various conditions. Apply both brakes smoothly for effective and safe deceleration.



The dual mechanical disc brakes on both the front and rear wheels ensure strong and reliable braking performance for enhanced safety.

5.4. Suspension and Tires

The 20"x4.0" fat tires, coupled with front fork and seat shock absorbers, provide a comfortable riding experience over varied terrain.



The dual suspension system, featuring both front fork and seat post shock absorbers, is designed to absorb impacts and provide a smoother ride, especially on uneven surfaces.



The 20"x4.0" fat tires provide excellent grip and stability across various terrains, from paved roads to off-road trails, contributing to a better overall riding experience.

5.5. Lighting System

The integrated lighting system and white reflective strips enhance visibility and safety during night riding.



The integrated front headlight and rear taillight ensure visibility for the rider and to others, improving safety during low-light conditions.

6. Maintenance

Regular maintenance will prolong the life of your EVERCROSS EK6 Electric Bicycle and ensure safe operation.

- **Cleaning:** Wipe the bicycle with a damp cloth. Do not use high-pressure water jets directly on electrical components.
- **Tires:** Check tire pressure regularly. The recommended pressure is typically indicated on the tire sidewall.
- **Brakes:** Inspect brake pads and cables periodically. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery:** Store the battery in a cool, dry place when not in use. Charge it at least once every three months if stored for long periods.
- **Fasteners:** Periodically check all bolts and nuts for tightness.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

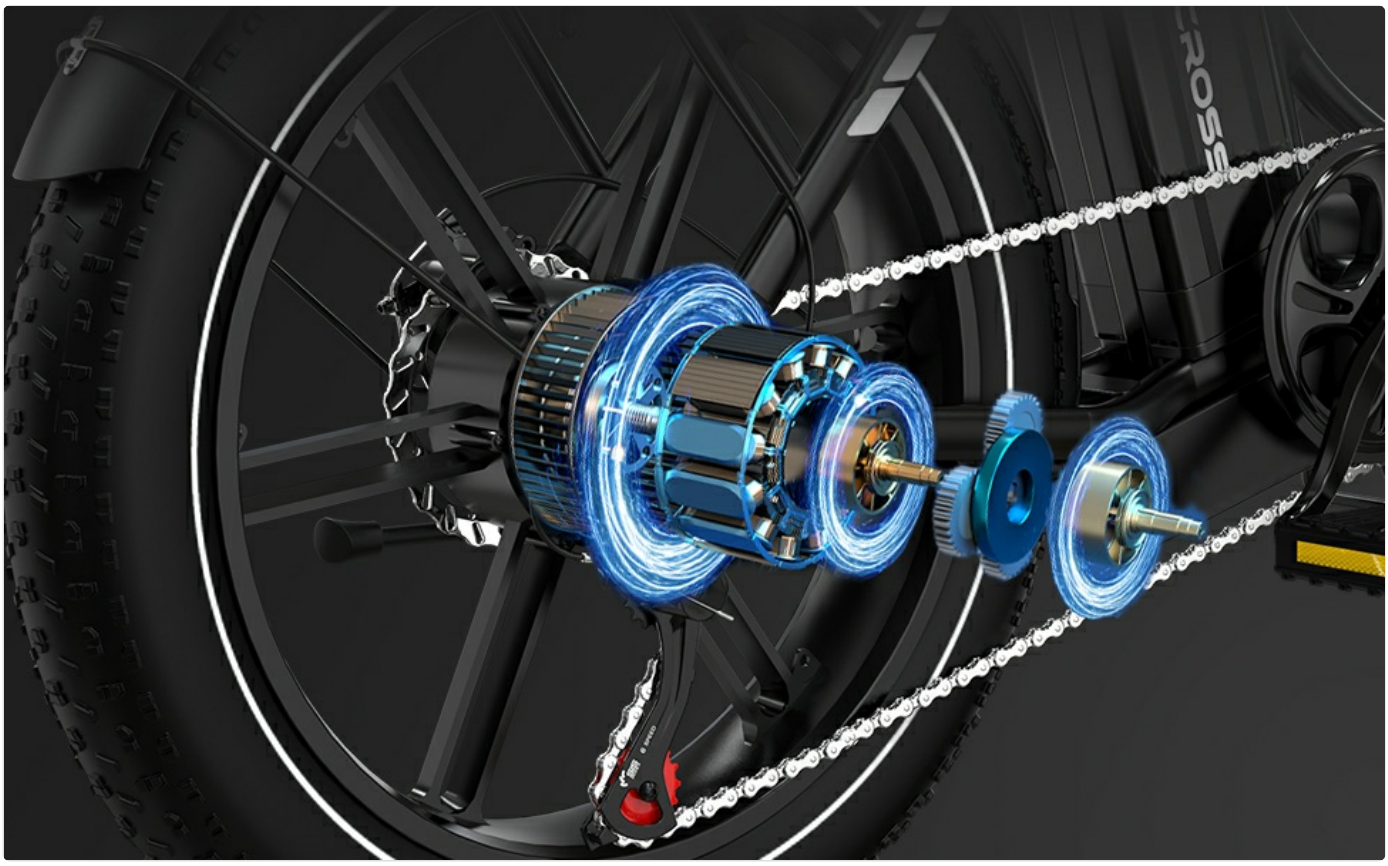
Problem	Possible Cause	Solution
Bicycle does not power on.	Battery is low or not properly connected.	Charge the battery. Ensure the battery is securely seated and locked.
Motor not assisting.	Zero-start function not met (speed too low); pedal assist level too low; brake lever engaged.	Ensure bike speed is above 3.75 MPH (6 KM/H). Increase pedal assist level. Check if brake levers are fully released.

Problem	Possible Cause	Solution
Brakes feel weak.	Worn brake pads; loose brake cable; air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. Consult a professional for hydraulic brake issues.
Unusual noises during riding.	Loose components; dry chain; worn bearings.	Check all fasteners. Lubricate the chain. Inspect bearings for wear.

8. Specifications

Feature	Detail
Model	EK6
Product Dimensions	110 x 60 x 182 cm
Weight	33.2 kg
Battery	48V 13Ah Lithium-ion (removable)
Motor Power	250W High-Speed Hub Motor
Max Speed	Up to 25 km/h (15.5 mph)
Range (Pedal Assist)	45-90 km (28-56 miles) per charge
Brake Type	Front & Rear Mechanical Dual Disc Brakes
Tire Size	20" x 4.0" Fat Tires
Suspension	Dual Suspension (Front Fork & Seat)
Gears	7-Speed
Frame Material	Aluminum
Adjustable Handlebar Height	106-123 cm
Adjustable Seat Height	87-102 cm
Recommended Rider Height	160-195 cm

8.1. Motor and Battery



An internal view of the 250W high-speed hub motor, illustrating its robust design and components that provide efficient power for the electric bicycle.

9. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official EVERCROSS website. Keep your purchase receipt as proof of purchase.
For further assistance, you may contact EVERCROSS customer service through their official channels.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question