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› EVERCROSS EK8S Electric Bicycle User Manual

EVERCROSS EK8S

EVERCROSS EK8S Electric Bicycle User Manual

Model: EK8S

INTRODUCTION

Thank you for choosing the EVERCROSS EK8S Electric Bicycle. This manual 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.



Image: The EVERCROSS EK8S Electric Bicycle, a white e-bike with a rear rack and front light, viewed from the side.

SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to local traffic laws and regulations. Perform pre-ride checks as outlined in this manual.

Non-Zero Start Function

The EK8S is equipped with a Non-Zero Start function for safety. To activate the motor, the bicycle must be propelled to a speed of at least 3.75 MPH (6 KM/H) before the pedal assist engages. This prevents accidental acceleration from a standstill.

Braking System

The e-bike features dual mechanical disc brakes on both the front and rear wheels. These provide reliable stopping power. Regularly inspect brake pads and discs for wear and proper function. Ensure brakes are responsive before each ride.



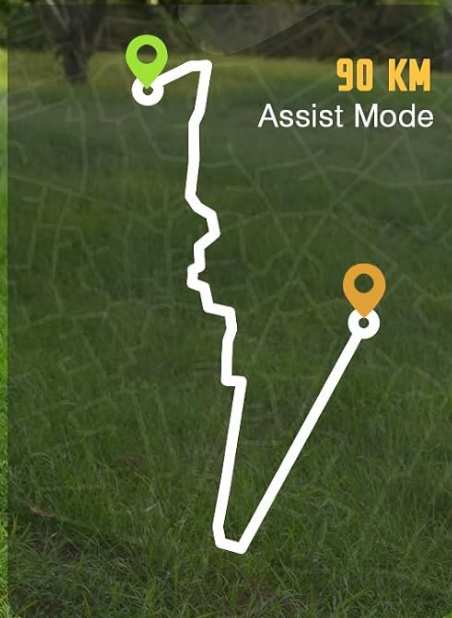
Image: Close-up view of the front and rear disc brakes of the EVERCROSS EK8S electric bicycle, highlighting the braking mechanism.

COMPONENTS OVERVIEW

- **Frame:** Durable aluminum frame.
- **Motor:** 250W high-speed brushless hub motor, located in the rear wheel.
- **Battery:** Removable 36V 12Ah Lithium-ion battery.
- **Display:** Smart LCD display showing speed, battery level, pedal assist level, and mileage.
- **Brakes:** Front and rear mechanical disc brakes.
- **Tires:** 26-inch puncture-resistant air tires.
- **Suspension:** Seat suspension for comfortable riding.
- **Lighting:** Integrated lighting system and reflectors for night visibility.
- **Adjustable Components:** Handlebar (100-110cm) and seat (85-105cm) are height adjustable.

RUN FURTHER WITH PEDAL ASSIST

36V 12AH battery can reach 30-90 km range in assist mode



*Max Speed/Range is affected by rider weight, road conditions, etc.

Image: An infographic highlighting key components of the EVERCROSS EK8S electric bicycle, including battery, motor, speed, weight, and max load.

SETUP AND ASSEMBLY

The EVERCROSS EK8S electric bicycle requires some assembly upon arrival. It typically takes 15-20 minutes for complete assembly. Please follow these general steps. Refer to the included assembly guide for detailed instructions and diagrams.

1. **Unpacking:** Carefully remove all components from the packaging. Check against the packing list to ensure all parts are present: 1 x Electric Bicycle, 1 x Bicycle Lock, 1 x Inflator, 1 x Charger, 1 x User Manual.
2. **Front Wheel Installation:** Attach the front wheel, ensuring the disc brake is correctly aligned with the caliper.
3. **Handlebar Installation:** Secure the handlebar to the stem, ensuring all cables are free from kinks. Adjust the height as needed.
4. **Pedal Installation:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right and thread in opposite directions.

5. **Seat Post Installation:** Insert the seat post and saddle into the frame. Adjust the seat height for comfortable riding posture.
6. **Battery Installation:** Insert the removable battery securely into its compartment. Ensure it clicks into place.
7. **Pre-Ride Check:** Before your first ride, thoroughly check all bolts, nuts, and quick releases are tightened. Verify brake function, tire pressure, and ensure the battery is charged.



Image: Close-up of the EVERCROSS EK8S LCD display on the handlebar, showing power on/off button, dual disc brake lever, and screen indicators for battery level, speed, riding distance, and malfunction.

OPERATING INSTRUCTIONS

Charging the Battery

The 36V 12Ah Lithium-ion battery can be fully charged in approximately 5 hours. The battery is removable for convenient charging indoors or outdoors. Use only the provided charger.



Image: A person demonstrating the removal and installation of the battery on the EVERCROSS EK8S electric bicycle, showing the charging port and lock mechanism.

Powering On/Off

To power on the e-bike, press and hold the power button on the LCD display. To power off, press and hold the same button.

Pedal Assist System (PAS)

The EK8S features a pedal assist system. Once the bike reaches 3.75 MPH (6 KM/H) by pedaling, the motor will engage. Use the buttons on the LCD display to select from 3 pedal assist levels, adjusting the amount of motor assistance you receive.

LCD Display Functions

The intelligent LCD display provides real-time data:

- **Speed:** Current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Pedal Assist Level:** Shows the selected assistance level (1-3).
- **Mileage:** Tracks total distance traveled.
- **Malfunction Mark:** Alerts to potential system errors.

Riding Range

With a fully charged battery, the e-bike can achieve a range of 35-90km in pedal assist mode. Actual range may vary based on rider weight, terrain, speed, and pedal assist level used.

EVERCROSS EK8S



36V 12AH
Battery



250W
Motor



15/20/25
KM/H



25.3KG
Net Weight



120KG
Max Load



Image: A woman riding the EVERCROSS EK8S electric bicycle on a paved path, with an overlay showing battery, motor, speed, weight, and max load specifications.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your EVERCROSS EK8S e-bike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. The 26-inch tires are designed to be puncture-resistant, but proper inflation is crucial for performance and safety.
- **Brakes:** Inspect brake pads for wear and replace as needed. Ensure brake levers are firm and responsive.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth pedaling.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to about 50-70% every few months.

- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness.

TROUBLESHOOTING

This section addresses common issues you might encounter with your EVERCROSS EK8S electric bicycle.

Problem	Possible Cause	Solution
Motor not engaging / No pedal assist	Battery low or not installed correctly. Non-Zero Start not met (not pedaling above 6 KM/H). Loose electrical connection.	Charge battery; ensure it's securely seated. Start pedaling to reach 6 KM/H before expecting assist. Check all visible cable connections.
Brakes squealing or ineffective	Worn brake pads. Contamination on discs/pads. Brake caliper misalignment.	Replace brake pads. Clean discs and pads with appropriate cleaner. Adjust brake caliper alignment. Consult a professional if unsure.
LCD display not turning on	Battery not connected or dead. Loose display cable.	Check battery connection and charge level. Ensure display cable is securely plugged in.

SPECIFICATIONS

Feature	Detail
Model	EK8S
Motor Power	250W
Battery	36V 12Ah Lithium-ion
Max Speed	Up to 25 km/h (15.5 MPH)
Estimated Range	35-90 km (Pedal Assist Mode)
Charging Time	Approx. 5 hours
Wheel Size	26 Inches
Frame Material	Aluminum
Brakes	Front & Rear Mechanical Disc Brakes
Max Load Capacity	120 kg
Product Dimensions	183 x 60 x 110 cm
Net Weight	25 kg
Adjustable Handlebar Height	100-110 cm
Adjustable Seat Height	85-105 cm



Image: Diagram illustrating the dimensions of the EVERCROSS EK8S electric bicycle, including length, handlebar height, and seat height.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official EVERCROSS website. Keep your proof of purchase for warranty claims. Included components: 1 x Electric Bicycle, 1 x Bicycle Lock, 1 x Inflator, 1 x Charger, 1 x User Manual.

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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

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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

