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EVERCROSS EK6

EVERCROSS EK6 Electric Bike User Manual

Model: EK6 | Brand: EVERCROSS

INTRODUCTION

Welcome to the world of electric biking with your new EVERCROSS EK6 Electric Bike. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your e-bike. Please read it thoroughly before your first ride to ensure a safe and enjoyable experience.

KEY FEATURES

- **Powerful Motor & Long Range:** Equipped with a 750W brushless geared motor and a 48V 15Ah removable battery, offering a top speed of 20mph and a range of 28-62 miles on a single charge.
- **All-Terrain Fat Tires:** Features 20" x 4.0" puncture-resistant fat tires for excellent performance on various terrains, including city roads, snow, beaches, and rugged mountain roads.
- **Dual Shock Absorption:** Front fork and seatpost suspension systems ensure a smooth and comfortable ride, reducing the feeling of bumps.
- **Foldable & User-Friendly Design:** Step-thru frame design allows for easy folding in two simple steps, making it compact for storage and transport in car trunks or SUVs. Adjustable stem and seat accommodate riders of various sizes.
- **Enhanced Safety:** Dual disc brakes provide reliable stopping power. Bright LED headlight and taillight improve visibility for safer night riding.
- **Versatile Riding Modes:** Three customizable riding modes (Bike Mode, Pedal-Assist Mode, Throttle Mode) and 7-speed Shimano gears offer a personalized riding experience.
- **Convenient Accessories:** Pre-installed bottle mounts, front basket, and rear rack allow for easy customization and accessory attachment.

SETUP & ASSEMBLY

Your EVERCROSS EK6 Electric Bike comes extensively pre-assembled. The following steps outline the final assembly process:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Inspect for any damage during transit.
2. **Handlebar Installation:** Attach the handlebars to the stem. Ensure all bolts are securely tightened.
3. **Front Wheel Attachment:** Install the front wheel, making sure the disc brake aligns correctly with the caliper.

- 4. Fenders and Lights:** Attach the front and rear fenders. Secure the LED headlight and taillight.
- 5. Seat Adjustment:** Insert the seat post and adjust the seat height to your comfort. The seat features a suspension for added comfort.
- 6. Pedals:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right.
- 7. Battery Installation:** Ensure the battery is securely locked into its compartment.

All necessary tools for assembly are included with your bike. Refer to the included user manual for detailed diagrams and instructions.

COMPONENTS OVERVIEW



Overall view of the EVERCROSS EK6 Electric Bike in white with a saddlebag.



EK6



48V 15Ah
Battery Capacity



28-62 Miles
Maximal Range



6-7 Hours
Full Charge



265 LBS
Max Load



A rider demonstrating the bike, with callouts for 48V 15Ah Battery Capacity, 28-62 Miles Maximal Range, 6-7 Hours Full Charge, and 265 LBS Max Load.

750W Brushless Powerful Motor

High Quality & High Speed

20MPH
Max Speed

7-Speed
Shimano Gears

25°
Gradient

Detailed view of the 750W brushless motor and 7-speed Shimano gears, indicating 20MPH Max Speed and 25° Gradient capability.

LCD Display Dashboard



The LCD Display Dashboard showing battery level, speed switch, riding distance, and malfunction indicators, along with disc brake and power on/off controls.

Dual Shock Absorber

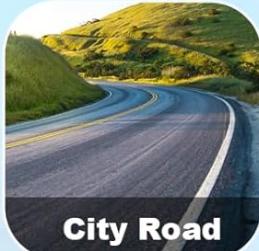
Reducing the feeling of bump, design for comfortable riding



Illustration of the Dual Shock Absorber system, featuring front fork suspension, seat post suspension, and a comfortable saddle for a smooth ride.

20"X 4.0 Fat Tires

Suitable for All Terrain



City Road



Sand Road



Mountain Road



Snow Road

Close-up of the 20" x 4.0" Fat Tires, highlighting their suitability for various terrains including City Road, Sand Road, Mountain Road, and Snow Road.

OPERATING INSTRUCTIONS

Riding Modes

The EVERCROSS EK6 offers three distinct riding modes:

3 Driving Modes



BIKE MODE

(Power off & normal bike)



PEDAL-ASSIST MODE

(Power on & just pedaling)



THROTTLE MODE

(Power on & just throttle)



Visual representation of the three driving modes: Bike Mode (power off & normal bike), Pedal-Assist Mode (power on & just pedaling), and Throttle Mode (power on & just throttle).

- **Bike Mode:** Power is off. Ride as a traditional bicycle using pedal power only.
- **Pedal-Assist Mode:** Power is on. The motor provides assistance as you pedal. Adjust the assist level (low, medium, high) via the LCD display controls.
- **Throttle Mode:** Power is on. Engage the throttle (twist grip) for motor-only propulsion without pedaling.

LCD Display Usage

The integrated LCD display provides crucial information and control:

- **Power On/Off:** Press and hold the power button for 3 seconds to turn the display on or off.
- **Light Control:** Hold the '+' button to turn the LED headlight on/off.
- **Assist Level Adjustment:** Use the '+' and '-' buttons to cycle through low, medium, and high pedal-assist levels.
- **Cruise Control:** Hold the '-' button to activate cruise control.
- **Information Display:** The screen shows current speed, battery level, trip distance, total mileage (odometer), and voltage.

MAINTENANCE

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

- **Battery Charging:** The 48V 15Ah battery can be charged while installed on the bike or removed. Connect the provided charger to the battery port and a power outlet. The charger indicator light will show charging status.
- **Tire Pressure:** Regularly check and maintain the recommended tire pressure for optimal performance and safety. An air pump is included for convenience.
- **Brakes:** Periodically inspect the dual disc brakes for wear and proper function. Adjust or replace brake pads as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **General Cleaning:** Clean your e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Fasteners:** Check all bolts and fasteners periodically to ensure they are tight and secure.

TROUBLESHOOTING

If you encounter any issues with your EVERCROSS EK6 Electric Bike, please refer to the following common troubleshooting tips:

- **Bike Not Powering On:** Ensure the battery is fully charged and properly seated. Check that the key is turned to the 'ON' position.
- **Motor Not Assisting:** Verify that you are in Pedal-Assist or Throttle mode. Check the battery level on the LCD display.
- **Brakes Squealing:** This can often be resolved by cleaning the brake rotors and pads. If the issue persists, professional adjustment may be required.
- **Unusual Noises:** Inspect the chain, gears, and wheels for any obstructions or loose components.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact EVERCROSS customer support.

SPECIFICATIONS

Specification	Value
Bike Type	Electric Bike
Model Name	EK6
Motor Power	750W Brushless Geared Motor
Battery	48V 15Ah Removable Battery (720 Watt Hours)
Max Speed	20 MPH
Range per Charge	28-62 Miles
Tire Size	20" x 4.0" Fat Tires
Gears	7-Speed Shimano
Brake Style	Dual Disc Brakes
Frame Material	Iron
Suspension Type	Dual (Front Fork & Seatpost)
Max Load Capacity	265 lbs

Specification	Value
Assembly Required	Yes (Partial)

WARRANTY & SUPPORT

EVERCROSS is committed to providing high-quality products and excellent customer service.

Warranty Information

Your EVERCROSS EK6 Electric Bike comes with a manufacturer's warranty. Please refer to the warranty description provided with your purchase for specific terms and conditions. It is recommended to retain your original packaging in case a return or service is required.

Customer Support

If you experience any problems with your electric bike or have questions not covered in this manual, please contact the EVERCROSS after-sales service team. They are always available to assist you.

For further assistance, you may also visit the [EVERCROSS Store on Amazon](#).

