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› [EVERCROSS EM3 Mountain Bike User Manual](#)

## EVERCROSS EM3

# EVERCROSS EM3 Mountain Bike User Manual

Model: EM3

## 1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your EVERCROSS EM3 Mountain Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Proper understanding and adherence to these instructions will ensure a safe and enjoyable cycling experience.

## 2. SAFETY INFORMATION

Your safety is paramount. Always follow these guidelines:

- **Wear a Helmet:** Always wear a properly fitted and approved cycling helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect your bike for loose parts, proper tire pressure, functional brakes, and secure quick releases.
- **Know Traffic Laws:** Obey all local traffic laws, signals, and signs.
- **Visibility:** Use lights and reflective gear, especially when riding in low light conditions.
- **Weight Limit:** The maximum load capacity for this bicycle is **150 kg (330 lbs)**. Do not exceed this limit.
- **Weather Conditions:** Exercise caution when riding in wet or slippery conditions, as braking distance will increase.
- **Children:** This bicycle is designed for adults. Ensure children do not operate the bicycle unsupervised.

## 3. PRODUCT FEATURES

The EVERCROSS EM3 Mountain Bike is equipped with features designed for versatility and comfort:

### 3.1. 21-Speed Precision Gear System

## 21-Speed Precision Gear System

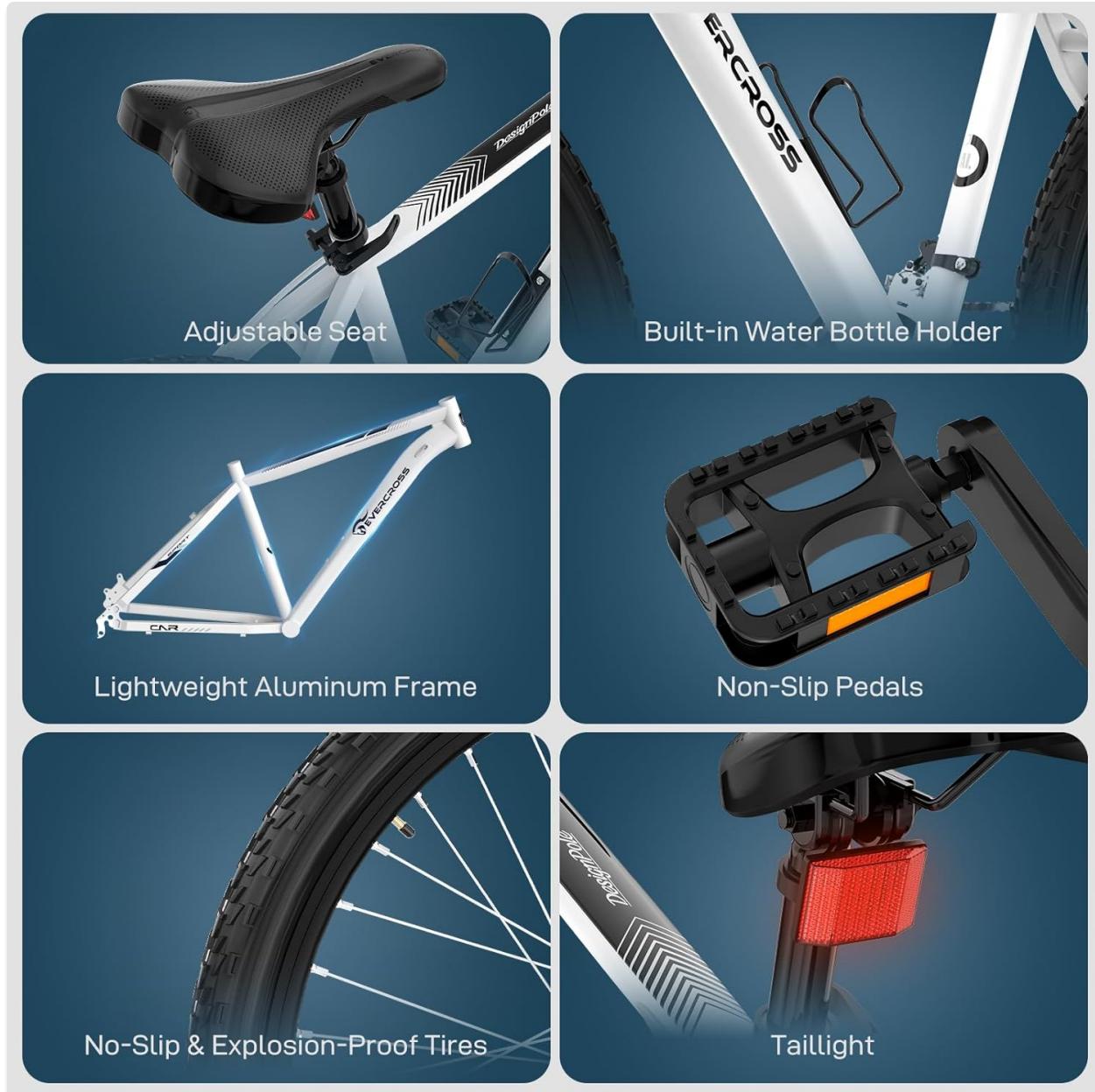
Precise gear changes, adapts to climbing/flat/descent needs, delivers efficient and effort-saving riding



*Image: The 21-speed gear system allows for efficient pedaling across various terrains, from flat roads to inclines.*

The 21-speed transmission system provides a wide range of gear ratios, allowing for efficient and adaptable riding across urban environments, country roads, and moderate off-road trails. Smooth gear changes ensure optimal pedaling efficiency in diverse conditions.

### 3.2. Lightweight Aluminum Frame



*Image: The durable aluminum frame, designed for both lightness and strength, supporting various components.*

Constructed from a durable aluminum alloy, the frame offers a balance of lightness and robustness. This design supports a maximum load of 150 kg, making it suitable for a wide range of adult riders.

### **3.3. Front Suspension for Enhanced Comfort**

## Front Suspension for Improved Riding Comfort

The front suspension fork absorbs shocks from uneven surfaces, reducing vibration and improving comfort and control on rough roads and trails.



*Image: The front suspension fork, designed to absorb shocks from uneven surfaces, enhancing ride comfort and stability.*

The front suspension fork is engineered to reduce impacts from uneven surfaces, significantly improving comfort and stability when riding on gravel paths, forest trails, or poorly maintained roads.

### 3.4. Disc Brakes for Reliable Stopping Power

## Disc Brakes for Reliable Stopping Power

Provides consistent and responsive braking performance in both dry and wet conditions, supporting safer riding in daily and outdoor environments.



*Image: The disc brakes provide consistent and reliable stopping power in various conditions.*

Equipped with disc brakes, this bicycle delivers consistent and reliable braking performance in both dry and wet conditions. This feature ensures safer riding for daily commutes and outdoor adventures.

### 3.5. 26-Inch Pneumatic Tires for Varied Terrains

# 26-Inch Air Tires for Multiple Terrains



*Image: The 26-inch pneumatic tires are designed for good grip and shock absorption on diverse surfaces.*  
The 26-inch pneumatic tires provide excellent grip and effective shock absorption on asphalt, gravel, and light trails. The integrated water bottle holder allows for easy hydration access during longer rides.

## 4. SETUP AND ASSEMBLY

The EVERCROSS EM3 Mountain Bike requires some assembly. While specific tools are not listed, standard bicycle assembly tools (e.g., Allen keys, wrenches) may be necessary. It is recommended to have the assembly performed by a qualified bicycle mechanic if you are unsure.

### 4.1. Unpacking

- Carefully remove all components from the packaging.
- Check for any damage during transit. Contact customer support immediately if damage is found.
- Verify all parts are present according to the packing list (not provided in this manual, refer to product packaging).

### 4.2. Handlebar Installation

- Attach the handlebar to the stem, ensuring it is centered and the brake levers and shifters are in an

ergonomic position.

- Tighten the stem bolts securely.

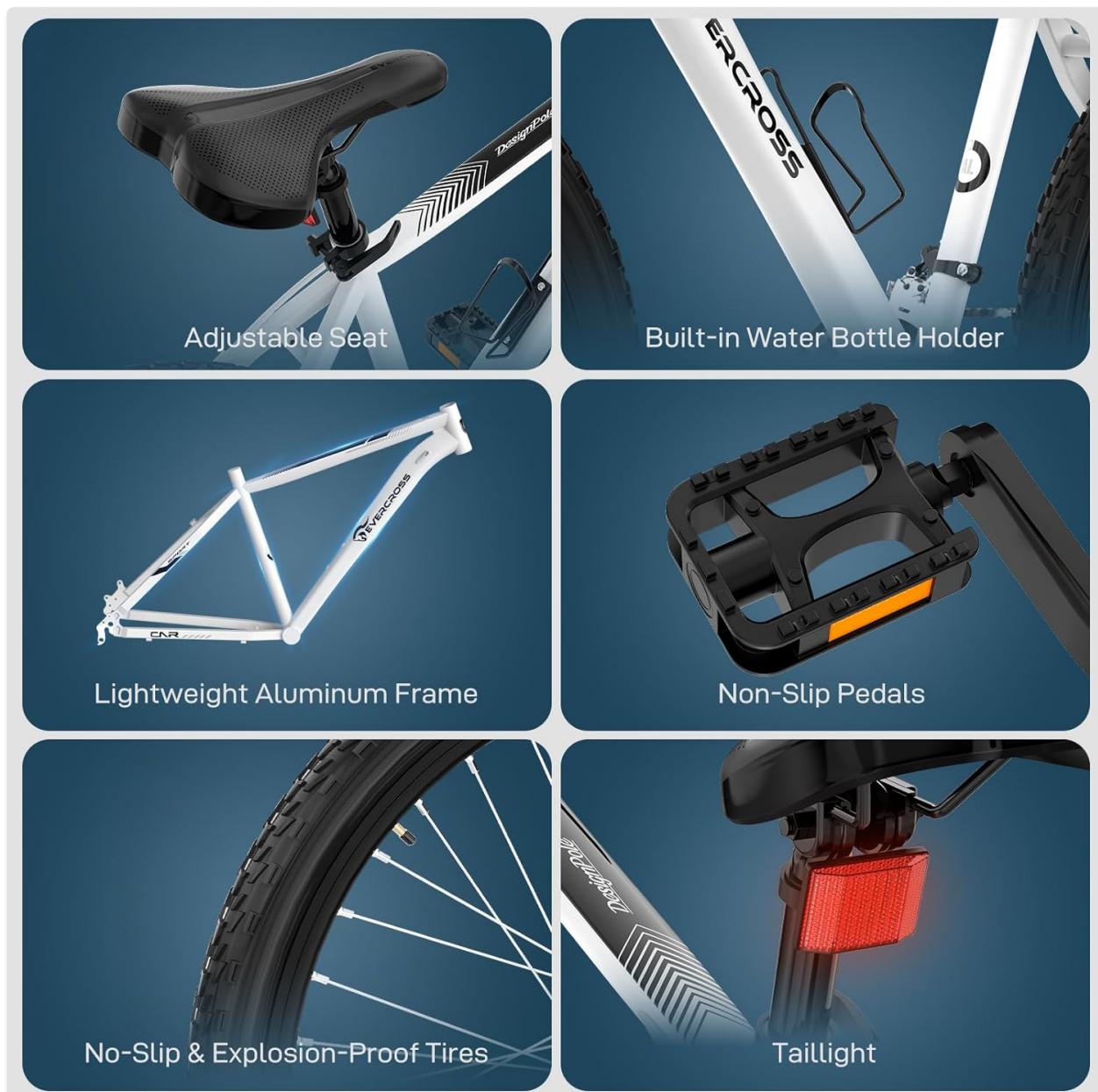
#### 4.3. Front Wheel Installation

- Insert the front wheel into the fork dropouts, ensuring the disc brake rotor aligns correctly with the caliper.
- Secure the wheel using the quick-release skewer or axle nuts.

#### 4.4. Pedal Installation

- Identify the left (L) and right (R) pedals.
- Thread the right pedal clockwise into the right crank arm.
- Thread the left pedal counter-clockwise into the left crank arm.
- Tighten both pedals firmly with a wrench.

#### 4.5. Seat Post and Saddle Adjustment



*Image: The adjustable seat allows riders to find a comfortable and efficient pedaling position.*

- Insert the seat post into the frame's seat tube.
- Adjust the saddle height so that your leg is slightly bent at the knee when the pedal is at its lowest point.

- Secure the seat post with the quick-release lever or bolt.

## 4.6. Tire Inflation

- Inflate tires to the recommended pressure indicated on the tire sidewall. Do not over-inflate.

# 5. OPERATING INSTRUCTIONS

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## 5.1. Gear Shifting

- The EVERCROSS EM3 features a 21-speed system (3 front gears, 7 rear gears).
- Use the left shifter for the front derailleur (larger gear changes for significant inclines/declines).
- Use the right shifter for the rear derailleur (smaller gear changes for fine-tuning speed and cadence).
- Shift gears smoothly while pedaling to avoid strain on the drivetrain. Avoid shifting under heavy load.

## 5.2. Braking

- The bike is equipped with disc brakes for reliable stopping power.
- The right lever typically controls the rear brake, and the left lever controls the front brake.
- Apply both brakes simultaneously for controlled stopping. Avoid sudden, hard application of the front brake, especially at high speeds, to prevent loss of control.

## 5.3. Riding Posture

- Maintain a comfortable and balanced posture. Keep your elbows slightly bent to absorb shocks.
- Adjust your body position for different terrains: lean forward slightly for climbs, shift weight back for descents.

# 6. MAINTENANCE

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Regular maintenance extends the life of your bicycle and ensures safe operation.

## 6.1. Cleaning

- Clean your bike regularly with mild soap and water. Avoid high-pressure washers directly on bearings.
- Dry the bike thoroughly after washing.

## 6.2. Lubrication

- Lubricate the chain regularly, especially after riding in wet conditions. Use a bicycle-specific chain lubricant.
- Apply a small amount of grease to pivot points of derailleurs and brake levers as needed.

## 6.3. Brake Inspection

- Regularly check brake pads for wear. Replace them when they are worn down.
- Ensure brake levers have proper tension and return smoothly. Adjust cable tension if necessary.
- Inspect disc rotors for damage or warping.

## 6.4. Tire Pressure

- Check tire pressure before each ride. Maintain pressure within the range indicated on the tire sidewall.

## 6.5. Bolt Tightness

- Periodically check all bolts and fasteners (e.g., stem, seat post, crank arms, wheel axles) for proper tightness. Do not overtighten.

# 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your EVERCROSS EM3 Mountain Bike.

## 7.1. Gears Not Shifting Smoothly

- **Check:** Derailleur cable tension, chain lubrication, derailleur alignment.
- **Solution:** Adjust cable tension using barrel adjusters on the shifters or derailleurs. Clean and lubricate the chain. If issues persist, consult a bike mechanic.

## 7.2. Brakes Squealing or Weak

- **Check:** Brake pad condition, rotor cleanliness, brake cable tension.
- **Solution:** Clean rotors with disc brake cleaner. Check pads for wear and replace if necessary. Adjust cable tension. If squealing persists, pads may need bedding in or professional adjustment.

## 7.3. Flat Tire

- **Check:** Puncture in inner tube or tire.
- **Solution:** Remove the wheel, carefully remove the tire, inspect the inner tube for punctures, and patch or replace it. Inspect the tire for embedded objects before reassembly.

## 7.4. Loose Components

- **Check:** All bolts and quick releases.
- **Solution:** Identify the loose component and tighten it securely. Do not overtighten, as this can strip threads or damage parts.

# 8. SPECIFICATIONS

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Detailed specifications for the EVERCROSS EM3 Mountain Bike:



<b>62"-72.83"</b> Recommended Height	<b>18KG/39.68LBS</b> Bicycle Weight	<b>150KG/330.69LBS</b> Max Load Capacity
	 <b>62"-72.83"</b> Recommended Height	 <b>150KG/330.69LBS</b> Max Load Capacity

A. Total Length	68.11"
B. Handlebar Height	38.58"
C. Wheelbase	40.94"
D. Saddle Height	36.61"
E. Standover Height	11.81"
F. Wheel Diameter	26.38"
G. Top Tube Length	20.08"
H. Minimum Saddle Height	27.56"
J. Maximum Saddle Height	32.28"
K. Saddle to Handlebar Distance	24.02"
L. Standing Height Range	37.8"
M. Handlebar Width	24.41"
N. Crank to Ground Height	5.12"

*Image: Dimensional diagram of the EVERCROSS EM3 mountain bike, including total length, handlebar height, wheelbase, and other key measurements.*

Feature	Specification
Model	EM3
Bike Type	Mountain Bike
Age Range	Adult
Frame Material	Aluminum
Wheel Size	26 Inches
Number of Speeds	21
Brake Type	Disc
Suspension Type	Front
Maximum Load Capacity	150 kg (330 lbs)
Product Dimensions (L x W x H)	172 x 72 x 100 cm (67.7 x 28.3 x 39.4 inches)

Item Weight	18 kg (39.68 lbs)
Included Components	Water bottle holder

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the seller directly. Typically, products are covered by a 30-day return policy. For any technical assistance or parts inquiries, reach out to the EVERCROSS customer service team.