

## ENGWE MileTrail 1

# ENGWE MileTrail 1 Electric Bike User Manual

Model: MileTrail 1

## 1. INTRODUCTION

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Welcome to the ENGWE MileTrail 1 Electric Bike user manual. This document provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and retain it for future reference.



Figure 1: The ENGWE MileTrail 1 Electric Bike, showcasing its sleek design and integrated battery.

## 2. SAFETY GUIDELINES

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Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations. Perform pre-ride checks before each use.

- Always wear a certified helmet.
- Ensure all components are securely fastened before riding.
- Check tire pressure, brakes, and battery charge before each ride.
- Do not exceed the maximum weight recommendation of 265 pounds (120 kg).
- Avoid riding in adverse weather conditions, especially heavy rain or snow, despite the IPX4 water resistance.
- Ride defensively and be aware of your surroundings.

### 3. SETUP AND ASSEMBLY

The MileTrail 1 electric bike arrives 85% pre-assembled. A tool kit and detailed manual are included for final setup. The main assembly steps involve attaching the front wheel, handlebars, pedals, and seat.

#### 3.1 Battery Installation and Charging

The 468Wh (36V 13Ah) removable battery is integrated into the frame. It can be charged both on and off the bike.

1. To install the battery, align it with the frame slot and gently push until it clicks into place.
2. To remove, use the provided key to unlock and slide the battery out.
3. Connect the charger to the charging port on the battery (or directly to the bike if charging on-bike). The battery indicator lights will show the charging status.



Figure 2: Long-range removable battery, highlighting its capacity and portability.

#### 3.2 Handlebar and Seat Adjustment

The adjustable handlebar stem and seat post allow for a personalized and comfortable riding posture, reducing wrist and back strain.

- Adjust the handlebar angle using the adjustable stem mechanism.
- Adjust the seat height to ensure your feet can comfortably touch the ground when stopped, and your legs have a slight bend at the knee when pedaling.

# Adjustable Stem

The adjustable stem allows you to find the perfect angle for a more comfortable riding posture.



- Customizable Riding Position
- Reduces Back & Wrist Fatigue
- Comfortable for All Riders

Figure 3: Adjustable stem for customized comfort and riding posture.

## 4. OPERATING INSTRUCTIONS

The MileTrail 1 offers both pedal-assist and throttle modes for versatile riding.

### 4.1 Powering On/Off and Display

The bike features a simple display for battery level and pedal-assist settings.

- Press and hold the power button on the handlebar display to turn the bike on or off.
- The display shows battery charge level and current pedal-assist level.
- To turn the headlight on or off, press and hold the '+' button on the display for 3 seconds.



Figure 4: High visibility LED headlight for enhanced safety during night rides.

## 4.2 Pedal Assist System (PAS) and Throttle

The torque sensor provides intelligent power assistance, making pedaling feel natural and efficient. The 7-speed Shimano gear system allows for manual gear changes.

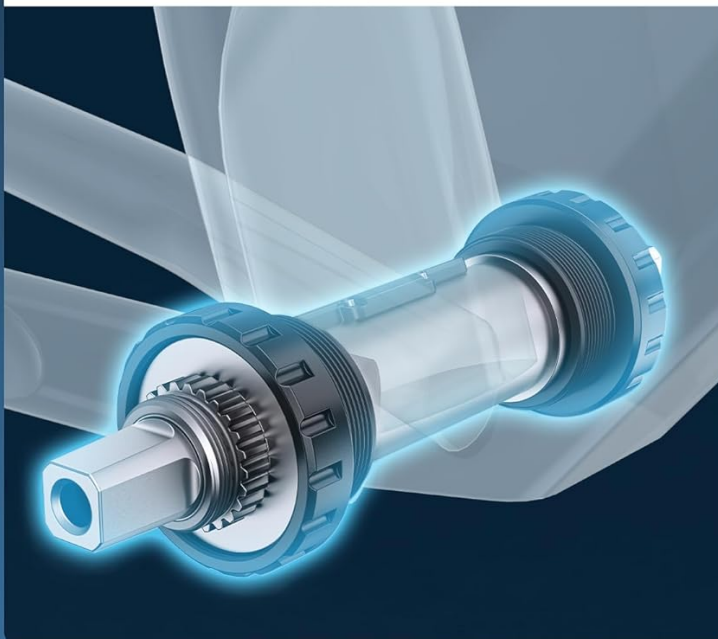
- Use the '+' and '-' buttons on the display to adjust the pedal-assist level (1-5). Higher levels provide more motor assistance.
- The thumb throttle provides instant power without pedaling, functioning like a motorcycle throttle.
- Shift between the 7 mechanical gears using the Shimano shifter on the handlebar to adapt to different terrains and desired speeds.

# Advanced Torque Sensor

Up to 30% more range with Torque Sensor  
on the same battery.

## Torque Sensor

Smooth & Responsive Ride  
Intelligent Power Assistance  
Easier & More Efficient Pedaling



## Speed Sensor

Delayed Power Response  
Less Natural Riding Feel  
Requires More Effort



Figure 5: Advanced torque sensor for smooth and responsive power delivery.



Figure 6: The 7-speed gear shifter provides versatile gearing for various riding conditions.

### 4.3 Braking System

The MileTrail 1 is equipped with responsive hydraulic disc brakes for reliable stopping power.

- Apply both front and rear brakes simultaneously for optimal stopping performance and control.
- Avoid sudden, hard braking, especially on loose or wet surfaces.

# Hydraulic Disc Brakes

Stronger, safer stopping with a shorter braking distance and effortless & precise control in all conditions.

- 25%** Shorter Braking Distance
- 30%** Faster Response
- 50%** Less Braking Effort

## Shorter Braking Distance

Hydraulic Disc Brakes	MileTrail 1	3-4 M
Mechanical Disc Brakes	Others	6-8 M

Figure 7: Hydraulic disc brakes offer stronger, safer stopping with precise control.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your electric bike.

### 5.1 Cleaning and Storage

- Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Store the bike in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, ensure the battery is charged to 50-70% and recharge every 2-3 months.

### 5.2 Tire Care

The 26-inch x 1.95-inch tires are designed for various terrains.

- Maintain tire pressure between 40-65 PSI (2.7-4.4 BAR) for optimal performance and safety.
- Regularly inspect tires for wear, punctures, or damage.



Figure 8: Durable 26-inch tires provide excellent traction on various surfaces.

### 5.3 Brake and Gear System

- Regularly check brake pads for wear and replace as needed.

- Ensure brake levers are firm and responsive. If they feel spongy, professional service may be required.
- Keep the chain clean and lubricated for smooth gear changes and to prevent rust.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your MileTrail 1 electric bike.

### Common Troubleshooting Scenarios

Problem	Possible Cause	Solution
Bike does not power on.	Low battery charge, battery not properly installed, loose connections.	Charge battery, ensure battery is securely clicked into place, check all cable connections.
Motor not providing assistance.	Pedal assist level set to 0, throttle not engaged, motor connection issue.	Increase pedal assist level, engage throttle, check motor cable connection.
Brakes feel weak or spongy.	Worn brake pads, air in hydraulic lines, low brake fluid.	Inspect/replace brake pads, bleed brake lines (professional service recommended), check fluid levels.
Gears are not shifting smoothly.	Dirty/dry chain, misaligned derailleur, damaged shifter cable.	Clean and lubricate chain, adjust derailleur (refer to manual or professional), inspect shifter cable.

## 7. SPECIFICATIONS

### ENGWE MileTrail 1 Electric Bike

Feature	Detail
Model Name	MileTrail 1
Brand	ENGWE
Bike Type	Electric Bike, Mountain Bike
Motor	700W High-Speed Brushless Motor
Max Speed	Up to 20 MPH
Battery	468Wh (36V 13Ah) Removable Lithium Battery
Range (Pure Electric)	30-40 miles (with 165lb load)

Feature	Detail
Range (Pedal Assist)	50-62 miles
Sensor Type	Torque Sensor
Gear System	7-Speed Mechanical (Shimano)
Brakes	Hydraulic Disc Brakes (Front & Rear)
Wheel Size	26 Inches
Tire Width	1.95 Inches (Anti-slip, Wear-resistant)
Frame Material	Aluminum
Suspension	Front Fork Suspension
Waterproof Rating	IPX4
Max Weight Recommendation	265 Pounds (120 kg)
Bike Weight	61.46 lbs (27.88 kg)
Dimensions (L x W x H)	67" x 26" x 42" (170cm x 64cm x 129cm)
Recommended Rider Height	5.1 ft - 6.1 ft (155 cm - 185 cm)
Included Components	Tool Kit

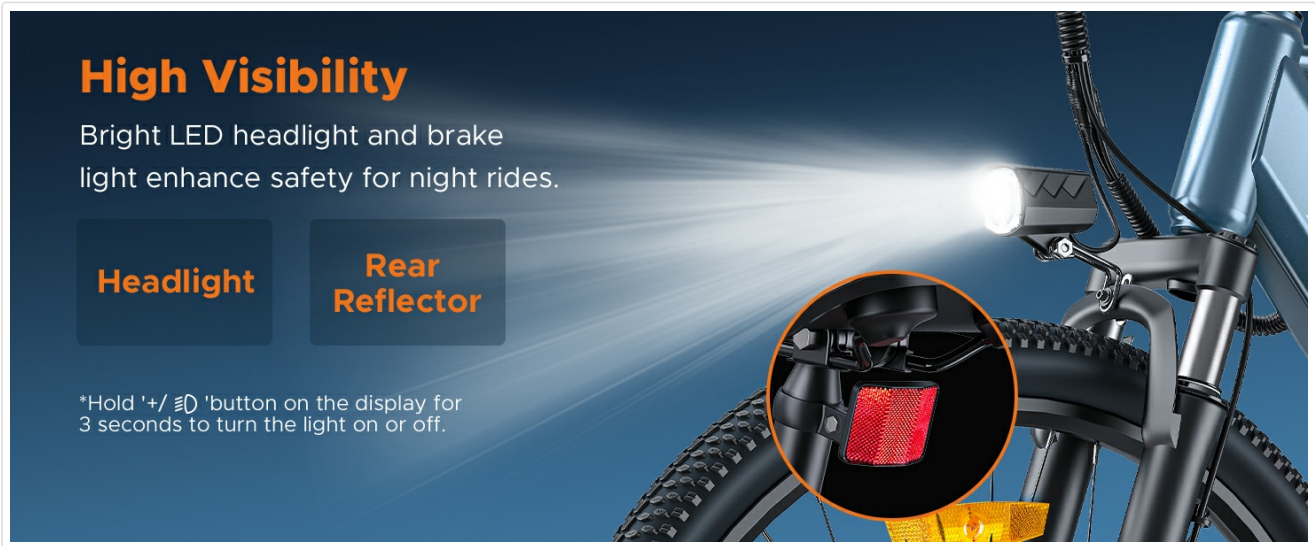


Figure 9: Bike dimensions and recommended rider height.

## 8. WARRANTY AND SUPPORT

The ENGWE MileTrail 1 Electric Bike comes with a 1-year limited warranty. For any questions, technical assistance, or warranty claims, please contact ENGWE Ebike customer support.  
Official product video from ENGWE Ebike:

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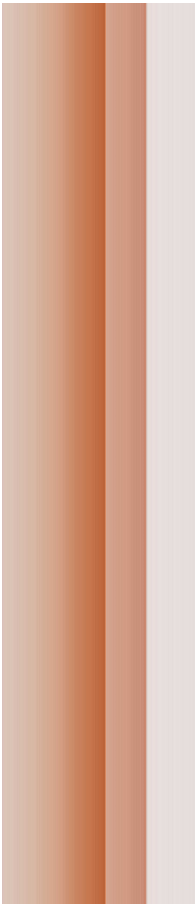


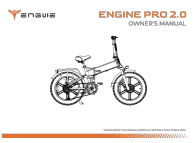
*Video 1: Official product video showcasing the MileTrail 1 Electric Bicycle features and riding experience.*

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## Related Documents - MileTrail 1

[ENGWE APP User Guide: Download, Install, and Operate Your E-Bike](#)

Comprehensive user guide for the ENGWE mobile application. Learn how to download, install, log in, manage your e-bike, update firmware, track rides, and access support features.

	
	<p><a href="#">Engwe M20 2.0 Electric Mountain Bike User Manual</a></p> <p>Comprehensive user manual for the Engwe M20 2.0 electric mountain bike, detailing its 750W motor, dual battery capability, 20-inch fat tires, operation, maintenance, and safety features. Includes specifications and troubleshooting.</p>
	<p><a href="#">ENGWE X26 Electric Bicycle User Manual - Assembly, Operation, and Maintenance Guide</a></p> <p>Detailed user manual for the ENGWE X26 electric bicycle. Covers essential safety guidelines, step-by-step assembly instructions, operating modes, battery care, maintenance tips, specifications, and troubleshooting for your e-bike.</p>
	<p><a href="#">ENGWE P20 Electric Bike Owner's Manual: Assembly, Features, and Maintenance Guide</a></p> <p>Comprehensive owner's manual for the ENGWE P20 electric bicycle. Includes assembly instructions, technical specifications, safety guidelines, troubleshooting, maintenance tips, and warranty information.</p>
	<p><a href="#">Engwe Engine Pro 2.0 Folding Fat Tire E-bike User Manual</a></p> <p>Comprehensive user manual for the Engwe Engine Pro 2.0 folding fat tire electric bike, detailing specifications, safety, operation, and maintenance for this 52V, 16Ah, 75Nm torque e-bike.</p>



L20  
CAUTION READ THIS MANUAL BEFORE USING YOUR EQUIPMENT

### [ENGWE L20 Electric Bike User Manual and Guide](#)

Comprehensive user manual for the ENGWE L20 electric bike, covering safety warnings, product components, technical specifications, installation, display functions, battery care, charging, and warranty information.