Funhang EB-M1

Funhang EB-M1 26-inch Electric Mountain Bike User Manual

Model: EB-M1 | Brand: Funhang

1. Introduction

Welcome to the user manual for your new Funhang EB-M1 26-inch Electric Mountain Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your e-bike. Please read it thoroughly before your first ride and keep it for future reference.

Your Funhang EB-M1 is designed for adults, featuring a powerful 500W (1000W peak) brushless motor, a 48V removable battery offering 25-50 miles of range, and a top speed of 21.7 MPH. With its adjustable stem, fenders, and 21-speed gearing, it offers a versatile and comfortable riding experience for various terrains.

2. Safety Information

Your safety is paramount. Always wear a helmet when riding your e-bike. Perform a pre-ride inspection to ensure all components are securely fastened and functioning correctly. This e-bike is UL 2849 certified, and its Li-ion battery is UL 2271 certified, ensuring compliance with rigorous safety standards.

- Always wear a certified helmet.
- Before each ride, check tire pressure, brake function, and ensure all bolts and quick releases are tightened.
- Familiarize yourself with local e-bike regulations.
- Do not ride under the influence of alcohol or drugs.
- The battery is IPX5 waterproof, but avoid submerging the e-bike in water.
- Ensure the battery is securely locked in place before riding.

3. Package Contents

Upon unpacking, please verify that all items are present:

- Funhang EB-M1 Electric Bike (85% pre-assembled)
- Battery Charger
- Front and Rear Fenders
- Tool Kit
- User Manual

4. Setup and Assembly

Your Funhang EB-M1 e-bike arrives 85% pre-assembled. The following steps outline the final assembly process. For a visual guide, please refer to the official assembly video.

4.1 Attaching the Front Wheel

Carefully align the front wheel with the front fork, ensuring the disc brake rotor slides correctly into the caliper. Secure it using the quick-release lever.



Image: A person attaching the front wheel to the e-bike's fork, aligning the brake rotor.

4.2 Installing the Handlebar

Insert the handlebar into the stem and adjust its angle for comfortable riding. Tighten the stem bolts securely.



Image: A person installing the handlebar, ensuring proper alignment and tightening.

4.3 Adjusting the Seat

Insert the seat post into the frame and adjust the seat height to your preference. Ensure your feet can comfortably touch the ground when stopped. Secure the quick-release clamp.



Image: A person adjusting the seat post to achieve the correct riding height.

4.4 Attaching Fenders and Pedals

Attach the front and rear fenders to their designated mounting points. Install the pedals, noting that the left pedal (L) tightens counter-clockwise and the right pedal (R) tightens clockwise.



Image: A person attaching the rear fender to the seat post for splash protection.

4.5 Assembly Video Guide

For detailed visual instructions on assembly and display/battery guide, please watch the official video:

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Video: Official Funhang assembly and guide for display and battery. This video demonstrates the step-by-step process of assembling the e-bike and provides instructions on using the display and battery features.

5. Components Overview

Understand the key features of your Funhang EB-M1 e-bike:

5.1 Powerful Motor and Removable Battery

Equipped with a 500W brushless motor (1000W peak) and a 48V 374.4Wh IPX5 waterproof Lithium-ion battery. The battery is removable and lockable for convenient charging and security.



Image: Close-up of the e-bike's rear hub motor, highlighting its 500W brushless power, 21.7 MPH top speed, 21-speed Shimano gears, and 55 NM max torque.



Image: The e-bike's 48V 374.4Wh Lithium-ion IPX5 waterproof battery, shown removed from the frame and connected to its charger. It features BMS power-saving, 50 miles max range (PAS), and 4-5 hours charging time.

5.2 Adjustable Stem and Comfortable Seat

The handlebar stem is 30° adjustable, and the seat height can be easily modified to suit riders between 5'3"-6'1" for optimal comfort.



Image: Demonstrates the adjustable seat height and the 30° adjustable handlebar stem, allowing riders to customize their comfort.

5.3 Smart LCD Display and Controls

The smart LCD display provides real-time data including battery life, current speed, mileage, and pedal assist level. Controls for the LED headlight and electric horn are conveniently located on the handlebar.

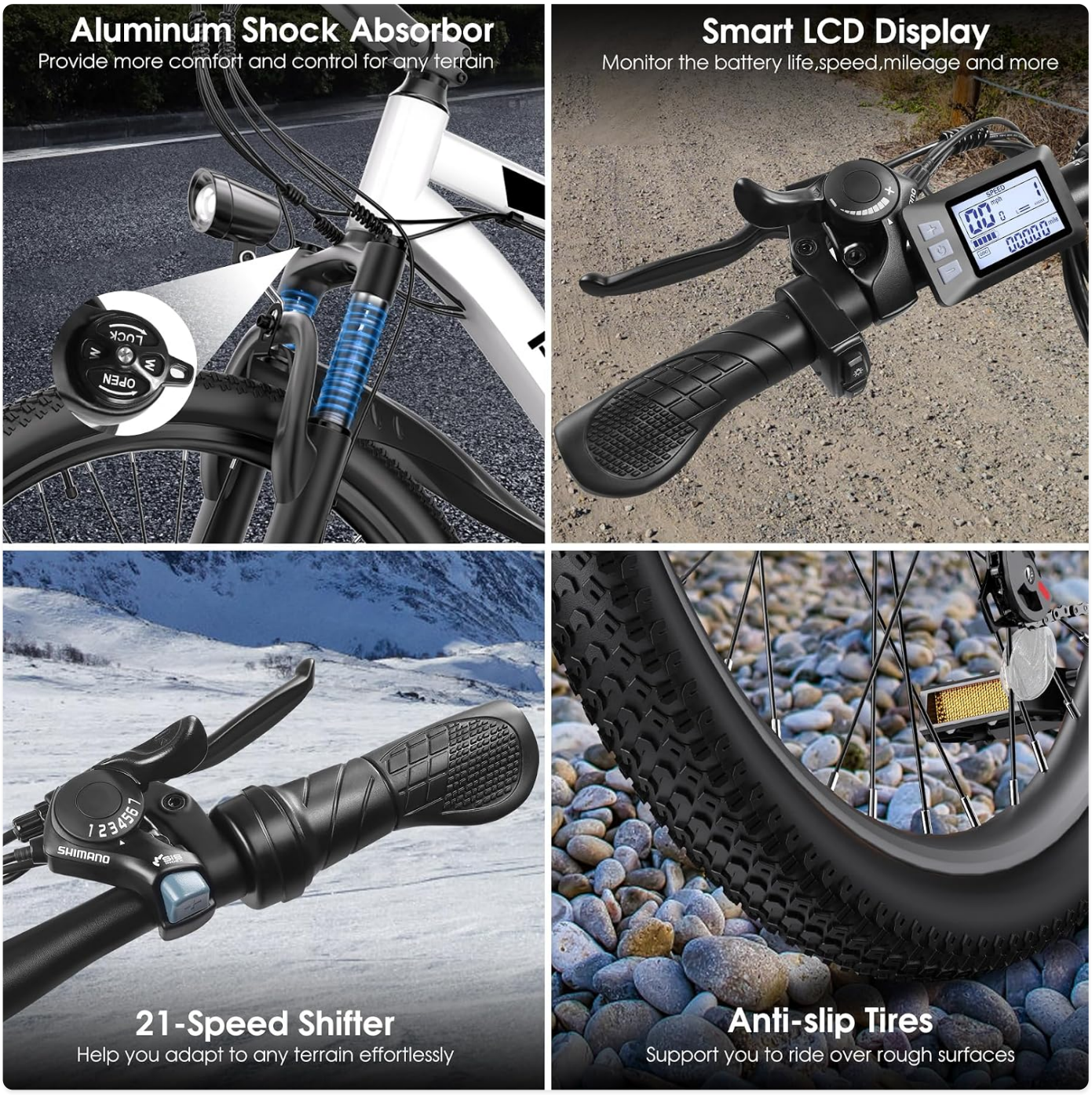


Image: A four-panel image showing the aluminum shock absorber, smart LCD display, 21-speed shifter, and anti-slip tires, highlighting key features for control and information.

5.4 Suspension, Brakes, and Tires

Features a lockable front shock absorber for varied terrain, mechanical dual disc brakes for reliable stopping power, and anti-slip 26" tires for enhanced grip.



Image: A complete view of the Funhang EB-M1 electric mountain bike, showcasing its design, fenders, and overall structure.

6. Operating Instructions

6.1 Powering On/Off

To power on the e-bike, ensure the battery is turned on (if it has a separate switch), then press and hold the power button on the LCD display until it illuminates. To power off, press and hold the power button again.

6.2 Riding Modes

Your e-bike offers 5 working modes and 5 pedal assist levels:

- **Normal Bike Mode:** Pedal without electric assistance.
- **Pedal Assist Mode (PAS 1-5):** Electric motor provides assistance as you pedal. Increase/decrease levels using the '+' and '-' buttons on the display.
- **Throttle Ebike Mode:** Twist the throttle to engage the motor without pedaling.
- **Cruise Mode:** Maintain a constant speed.
- **Booster Mode:** Provides extra power to push the bike effortlessly, useful for walking the bike uphill.



Image: Visual representation of the five riding modes: Bicycle Mode, Pedal Assist Mode, Throttle-Only Mode, Cruise Mode, and Booster Mode.

6.3 Gear Shifting

Utilize the 21-speed Shimano shifting gears to adapt to various terrains and customize your riding style. Shift gears smoothly by pedaling lightly while operating the shifters.

6.4 Headlight and Horn

The LED headlight and electric horn system are operated via buttons on the handlebar for enhanced safety and visibility.

6.5 Riding Experience Video

Observe the e-bike in action, demonstrating its features and riding capabilities:

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Video: This video, titled "Great Value with Lots of Extras - Meet Your Daily Commute," showcases the Funhang EB-M1 e-bike's features and performance in a riding context, highlighting its suitability for daily commutes.

7. Maintenance

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

- **Tires:** Check tire pressure before each ride. Maintain recommended PSI for optimal performance and safety.
- **Brakes:** Regularly inspect brake pads and rotors for wear. Ensure brakes respond quickly and reliably.
- **Chain and Gears:** Keep the chain clean and lubricated. Ensure gear selectors are properly synced to prevent chain guide issues.
- **Fasteners:** Periodically check and tighten all bolts and quick releases on the frame, handlebars, and seat post.
- **Battery:** Charge the battery fully after each ride. Avoid completely draining the battery. Store in a cool, dry place.
- **Fenders:** Keep fenders clean to prevent mud and water buildup.

8. Troubleshooting

If you encounter any issues with your Funhang EB-M1 e-bike, please refer to the following general guidance:

- **Motor/Display Errors:** If the display shows an error code, try restarting the e-bike. If the issue persists, contact customer support.
- **Power Loss:** Ensure the battery is fully charged and securely connected. Check that the battery's power switch is in the ON position.
- **Brake Squeal:** New brakes may squeal initially. This often subsides with use. If persistent, ensure rotors are clean and pads are correctly aligned.
- **Unusual Noises:** Inspect the chain, gears, and wheels for any obstructions or loose components.

For persistent problems or complex issues, please contact Funhang customer service for assistance.

9. Specifications

Feature	Specification
Model Name	EB-M1
Bike Type	Electric Mountain Bike
Motor	500W Brushless (1000W Peak)
Max Speed	21.7 MPH
Battery	48V 374.4Wh Lithium-ion (IPX5, Removable)
Range (Pedal Assist)	25-50 Miles
Charging Time	4-5 Hours
Wheel Size	26 Inches
Frame Material	High Carbon Steel
Number of Speeds	21 (Shimano)
Brake Style	Dual Disc Brakes
Suspension Type	Front (Lockable)
Max Load Capacity	300 lbs / 135 kg
Item Weight	49.6 Pounds
Recommended Rider Height	5'3" - 6'1"
Safety Certification	UL 2849 (Ebike), UL 2271 (Battery)

10. Warranty and Support

Funhang is committed to providing reliable products and excellent customer service.

- **Warranty:** Your Funhang EB-M1 electric bike comes with a 12-month warranty for the e-bike main parts.
- **Customer Support:** For any assistance, questions, or warranty claims, please contact us.

Email: support@funhang-ebike.com
Our online support is available Monday-Friday. Please provide relevant photos and videos if you are experiencing an issue.

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