Funhang EB-C1

Funhang EB-C1 Electric Bike User Manual

Model: EB-C1

Comprehensive guide for the setup, operation, and maintenance of your Funhang Electric Bike.

1. Introduction

Thank you for choosing the Funhang EB-C1 Electric Bike. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your e-bike. Please read this manual thoroughly before your first ride and keep it for future reference.

Important Safety Notice:

- Always wear a helmet when riding.
- Ensure all parts are tightened and secure before each ride.
- Familiarize yourself with local traffic laws and regulations.
- Do not operate the e-bike under the influence of alcohol or drugs.

2. Product Overview and Components

The Funhang EB-C1 is a 26-inch city cruiser e-bike designed for comfortable commuting and leisurely rides. It features a powerful motor, a long-lasting removable battery, and various user-friendly components.



Figure 2.1: Funhang EB-C1 Electric Bike (Black model shown).

This image displays the overall design of the Funhang EB-C1 electric bike, highlighting its step-through frame, rear rack, and front suspension.

Key Components:

- **1000W Peak High-Speed Motor:** Equipped with a robust 500W (1000W peak) motor, providing a max speed of up to 21.7mph and 55NM torque for an efficient riding experience.



Figure 2.2: Detailed view of the 1000W peak high-speed motor and 7-speed Shimano gears.

This image illustrates the powerful motor and the 7-speed gear system integrated into the rear wheel of the e-bike.

- **48V 374.4WH Removable Li-ion Battery:** Provides a travel range of 25-30 miles in pure electric mode and 40-50 miles in pedal-assist mode. IPX5 waterproof rating and a lockable design for security.



Figure 2.3: The removable 48V 374.4WH Li-ion battery with charge indicator.

This image shows the removable battery pack, highlighting its capacity, charging methods, and key access for removal.

- **Adjustable Stem and Seat:** Allows riders of different heights to find an optimal riding position for comfort and control.



Figure 2.4: Adjustable handlebar stem for customized riding posture.

This image demonstrates the adjustable handlebar stem, which can be angled to enhance rider comfort.

- **Front Suspension Fork:** Designed to absorb shocks from bumps and uneven roads, providing a smoother ride.



Figure 2.5: Close-up of the front suspension fork.

This image provides a detailed view of the front suspension system, which helps in reducing impact from road

irregularities.

- **Bright Headlight:** Illuminates your path during nighttime rides for enhanced visibility and safety.



Figure 2.6: Front-mounted headlight for improved visibility.

This image shows the integrated front headlight, crucial for safe riding in low-light conditions.

- **Clear LCD Display:** Provides essential ride data including speed, mileage, battery level, and pedal assist levels.



Figure 2.7: The LCD display on the handlebar.

This image highlights the digital LCD display, which provides real-time riding information at a glance.

- **Sturdy Rear Rack and Fenders:** The rear rack is ideal for carrying groceries or bags (up to 55 lbs), while fenders keep you clean and dry in various weather conditions.



Figure 2.8: The robust rear rack for carrying cargo.

This image shows the integrated rear rack, designed for practical use and carrying personal items.

3. Setup and Assembly

Your Funhang EB-C1 commuter e-bike is 85% pre-assembled. The remaining assembly steps are straightforward and can be completed by following the instructions below and referring to the assembly video if available on the product page.

Assembly Steps:

1. Unpack the e-bike and all components carefully.
2. Install the front wheel and secure it properly.
3. Attach the handlebars and adjust the stem to your preferred height and angle.
4. Install the pedals, ensuring they are tightened correctly (left and right pedals are distinct).
5. Mount the seat and adjust its height for comfortable riding.
6. Attach the front fender and headlight.
7. Perform a thorough safety check, ensuring all bolts and quick releases are securely fastened.

Note:
A tool kit is included with your e-bike for assembly. If you encounter any difficulties, please contact customer support.

4. Operating Instructions

The Funhang EB-C1 offers multiple riding modes and intuitive controls for a versatile cycling experience.

4.1 Powering On/Off and Display Operations

To power on the e-bike, first ensure the battery is turned on (the "I" icon on the battery means power on). Then, press and hold the middle button on the LCD display for at least 3 seconds to turn on the display.
The LCD display provides various data. Short press the middle button to toggle between odometer (ODO), trip distance (TRIP), and battery voltage (VOL).
Use the "+" button to increase the pedal assist level and the "-" button to decrease it. There are 5 pedal assist levels (0-5).
To enter the display setting mode, press and hold the "+" and "-" buttons simultaneously for 3 seconds. In this mode, you can adjust settings like backlight brightness (P01), mileage unit (P02 - KM/MILE), and dormancy time (P04 - auto-off timer). To reset the odometer (P16), long press "+" for 5 seconds. Exit the setting mode by pressing and holding "+" and "-" for 3 seconds.

Your browser does not support the video tag.

Video 4.1: Display and Battery Guide - Funhang EB-C1 Electric Bike. This video demonstrates how to power on the e-bike, navigate the LCD display settings, and understand various display parameters.

4.2 Riding Modes

The Funhang EB-C1 features five versatile working modes to suit your cycling needs:

- **Pure Electric Mode:** Turn on the LCD display and twist the throttle for power.
- **Assisted Bicycle Mode (PAS):** When you pedal the bike, the motor will offer an appropriate amount of power based on the selected assist level.
- **Normal Bike Mode:** Ride the bicycle without activating the LCD display, following regular pedaling patterns.
- **Cruise Mode:** If you activate the cruise mode, your current speed will remain constant without continuous throttle input.
- **Booster Mode:** In booster mode, you can push the e-bike effortlessly, especially when going uphill or walking alongside it.



Figure 4.2: Visual representation of the five working modes.

This image illustrates the different operational modes available on the Funhang EB-C1, from pure electric to booster mode.

4.3 Cruise Mode Setting

To activate Cruise Mode, twist the throttle to give the e-bike a speed greater than 6.2 mph. Then, long press the "-" button. The display will flash "p" to indicate entry into Cruise Mode. The current speed will be maintained. To exit Cruise Mode, use the brakes or twist the throttle.

4.4 Booster Mode Setting

To activate Booster Mode, long press the "-" button until the display shows "p". The e-bike will move at a speed no more than 4.2 mph. This mode is useful for walking the bike or getting a slight push. To exit Booster Mode, squeeze the brake lever.

Refer to Video 4.1 for visual demonstration of Cruise and Booster mode settings.

5. Battery Management

Proper battery care ensures optimal performance and longevity of your Funhang EB-C1 electric bike.

5.1 Charging the Battery

The 48V 374.4WH Li-ion battery can be charged both on and off the e-bike.

- **Charging on the E-bike:** Install the charger and plug in the power adapter. Connect the charger to the e-bike's charging port.
- **Charging off the E-bike:** Turn the key to the unlock position to remove the battery from the frame. Charge the battery directly using the charger.

When the battery is fully charged, the charger's indicator light will turn green from red. Charging time is approximately 4-5 hours.
You can check the battery life by turning the battery on and pressing the button on the battery itself.
Refer to Video 4.1 for visual demonstration of battery charging methods.

6. Maintenance

Regular maintenance is crucial for the safety, performance, and lifespan of your e-bike.

- **General Cleaning:** Clean the e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tire Pressure:** Check tire pressure before each ride. Maintain recommended PSI as indicated on the tire sidewall.
- **Brakes:** Regularly inspect brake pads and cables for wear. Ensure brakes are responsive and provide confident stopping power.
- **Chain Lubrication:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Fasteners:** Periodically check and tighten all bolts, nuts, and quick releases, especially on critical components like wheels, handlebars, and seat post.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% and recharge every 1-2 months.

7. Troubleshooting

This section addresses common issues you might encounter with your Funhang EB-C1 e-bike.

Problem	Possible Cause	Solution
E-bike does not power on.	Battery is off or not properly seated; low battery charge; loose connections.	Ensure battery is turned on and fully inserted. Check battery charge level. Inspect all cable connections.
Motor not assisting.	Pedal assist level is 0; brake levers are engaged; motor connection issue.	Increase pedal assist level on the display. Release brake levers completely. Check motor cable connection.
Short battery range.	Under-inflated tires; riding uphill frequently; heavy load; cold weather.	Ensure tires are properly inflated. Use lower pedal assist levels or pedal more. Reduce load. Battery performance may decrease in cold weather.
Brakes feel weak.	Worn brake pads; loose brake cables.	Inspect and replace worn brake pads. Adjust brake cable tension. Consult a professional if unsure.

If you experience persistent issues or problems not listed here, please refer to the Warranty and Support section for assistance.

8. Specifications

Feature	Detail
Bike Type	Electric Bike, City Cruiser E-bike, Commuter E-Bike
Motor	500W (1000W Peak) High-Speed Motor, 55NM Torque
Max Speed	Up to 21.7 mph
Battery	48V 374.4WH Removable Li-ion Battery (IPX5 waterproof)
Range (Pure Electric)	25-30 miles
Range (PAS Mode)	40-50 miles
Wheel Size	26 Inches
Gears	7-Speed
Frame Material	Carbon Steel
Suspension Type	Front
Brake Style	Disc
Item Weight	55.8 Pounds
Max Load Capacity	300 Pounds
Recommended Rider Height	5.3-6.1 ft (63-73.2 inches)

9. Warranty and Support

Funhang is committed to providing excellent customer service and product support.

- **Warranty:** Your Funhang EB-C1 commuter e-bike comes with a 365-day warranty and lifetime after-sales service. This includes a 1-year replacement for the e-bike main parts.
- **Customer Support:** If you have any questions, suggestions, or require assistance with assembly or operations, please feel free to reach out to us. We provide 24-hour online response on business days.
- **Contacting Support:** You can typically find seller contact information through your purchase history on Amazon. Please provide relevant photos and videos if you are reporting a problem.

Warm Reminder:
Please make sure all e-bike parts are tightened before riding and always wear a helmet during your ride.

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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.

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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

Answered questions about this manual

My Funhang EB-C1 electric bike starts fine, but as I ride, it begins to fail and displays error code E 07 before stopping. What is the cause and solution?

Based on the Funhang EB-C1 documentation and standard e-bike display protocols (such as those used by S866 or similar LCDs often found on these models), the E 07 error code typically indicates a Motor...

Read full answer

What is the cause and solution for the E07 error code and intermittent misfires on the Funhang EB-C1 electric bike?

On most electric bike LCD displays, including those used by brands like Funhang, the E07 error code typically indicates a Motor Circuit Fault or a Motor Phase Problem. This explains the "misfiring" sensation you...

Read full answer