Funhang EB-C2

Funhang EB-C2 Electric Bike Instruction Manual

Model: EB-C2 | Brand: Funhang

1. Introduction and Product Overview

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your Funhang EB-C2 Electric Bike. Designed for daily commutes, outdoor workouts, and weekend adventures, this electric bike combines powerful performance with user-friendly features.

The Funhang EB-C2 features a 500W (1000W Peak) high-torque brushless motor, a 48V 374.4Wh removable built-in battery, and a 26-inch step-thru frame. It offers a top speed of 21.7 mph and a range of 25-50 miles depending on the mode and conditions. Key features include a 7-speed gear system, adjustable handlebar stem, front suspension, dual disc brakes, and a clear LCD display.



Figure 1: Funhang EB-C2 Electric Bike.

2. Safety Information

Always prioritize safety when operating your electric bike. Adhere to all local traffic laws and regulations. Wearing a helmet is strongly recommended. Before each ride, perform a quick safety check:

- Ensure tires are inflated to the recommended 40-45 PSI.
- Check that both front and rear brakes are functioning correctly.
- Verify that the headlight and any reflectors are clean and visible.
- Confirm that the battery is securely locked in place.
- Familiarize yourself with the controls and modes before riding in traffic.

3. Assembly Instructions

Your Funhang EB-C2 electric bike arrives 85% pre-assembled. The following steps detail the completion of the assembly

process. A tool kit is included for your convenience.

3.1 Attaching the Kickstand

Locate the kickstand and the designated mounting area on the bike frame. Loosen the two bolts on the kickstand, align it with the frame, and then tighten the bolts securely.

3.2 Installing the Front Wheel

Remove the fixing rod from the front fork. Align the front fork with the axle in the center of the front wheel. Find the black quick release lever, remove its nut, spring, and safety washer. Insert the quick release lever into the axle hole, then reattach the safety washer and spring, and tighten the nut. Lock the clamp to secure the wheel.

3.3 Installing the Stem and Handlebar

Insert the stem into the head tube of the bike. Tighten the screw above the stem. Loosen the screw on the stem to adjust it to your desired angle, then tighten the screw. Place the handlebar onto the stem and adjust its angle to ensure it is level. Tighten the four screws on the handlebar clamp.

3.4 Installing the Headlight and Front Fender

Loosen the screw on the front fork. Attach the front fender and headlight to the front fork and secure them in place. Loosen the bolts on both sides of the front fork and secure the fender support to these bolts. Tighten all bolts.

3.5 Installing the Rear Rack and Fastening the Rear Fender

Loosen the bolts on both sides of the upper rear fork and the frame tail hook. Attach the rear rack in place. Secure the rear fender support to the bolts on both sides of the rear fork. Tighten all four bolts.

3.6 Installing the Pedals

Identify the right pedal (marked with 'R') and the left pedal (marked with 'L'). Install the right pedal by turning it clockwise. Install the left pedal by turning it counter-clockwise.

3.7 Installing the Saddle

Open the quick release clamp under the seat post. Insert the saddle post into the frame, ensuring it does not exceed the safety line. Lock the quick release clamp and make sure the seat is fastened securely in place.

3.8 Attaching Waterproof Cover and Nutcap

Attach the waterproof cover to the headtube. Attach the nut cap to the rear wheel nut.

3.9 Assembly Video Guide

For a detailed visual guide on assembly, please refer to the official assembly video:

Video 1: Funhang EB-C2 Electric Bike Assembly Guide. This video provides step-by-step instructions for assembling your e-bike.

4. Operating Instructions

The Funhang EB-C2 offers multiple riding modes and a clear LCD display for an optimized riding experience.

4.1 LCD Display and Controls

The LCD display provides real-time information such as current speed, riding distance (odometer/trip), and battery level. Use the '+' and '-' buttons to adjust pedal assist levels (1-5). The middle button toggles between odometer, trip distance, and voltage display.

Video 2: Funhang EB-C2 LCD Display and Battery Charging Guide. This video demonstrates how to operate the LCD display and manage

battery charging.

4.2 Riding Modes

The EB-C2 features 5 flexible working modes:

- **Pure Electric Mode:** Provides instant power via the throttle. Range: 25-30 miles.
- **Pedal Assist Mode (PAS):** Offers motor assistance as you pedal. Levels 1-5. Range: 40-50 miles.
- **Normal Bike Mode:** Functions as a traditional bicycle without electric assistance.
- **Cruise Mode:** Maintains a steady speed once activated (typically above 6.2 mph).
- **Booster Mode:** Helps push the e-bike at a low speed (e.g., 4.2 mph) for walking alongside.



Figure 2: Overview of the 5 flexible working modes.

4.3 Battery Charging

The 48V 374.4Wh battery is removable for convenient charging at home or office. It is UL certified, BMS protected, IPX5 waterproof, and anti-theft. Charging time is approximately 4-5 hours.



Figure 3: Easy battery removal and installation.

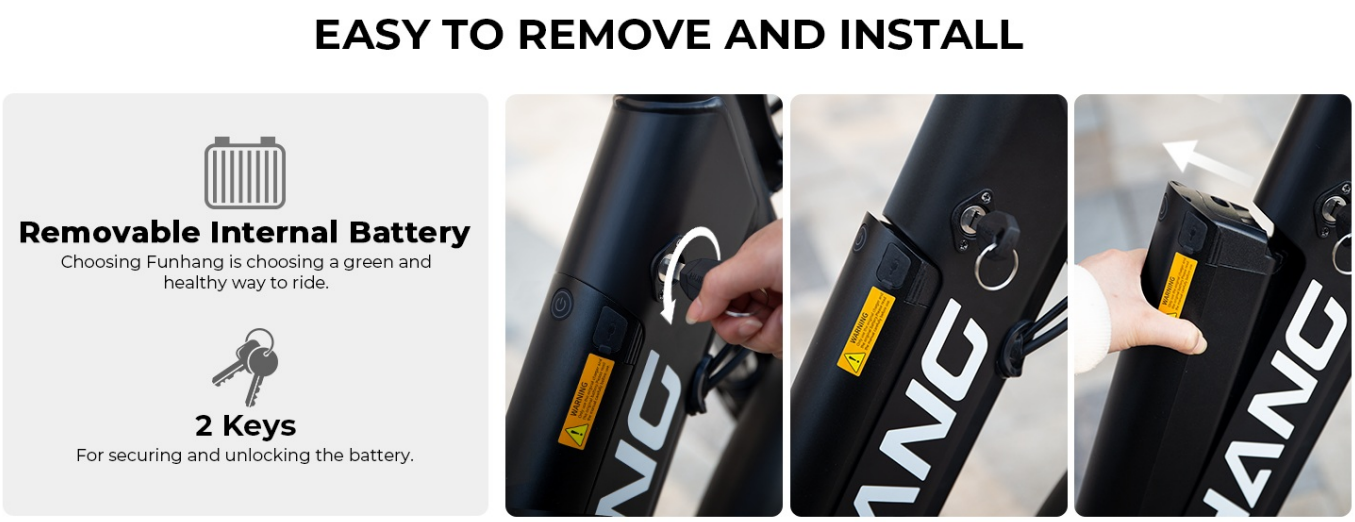


Figure 4: Two fast charging methods for the battery.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Funhang EB-C2 electric bike.

- **Tires:** Maintain tire pressure between 40-45 PSI for best performance and safety.
- **Brakes:** Regularly check the dual disc brakes for wear and ensure proper function. Adjust as needed.
- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 1-2 months.
- **General Inspection:** Periodically check all bolts, nuts, and quick releases for tightness. Lubricate the chain as necessary.

6. Troubleshooting

If you encounter any issues with your Funhang EB-C2, please refer to the following common solutions or contact customer support.

Problem	Possible Cause	Solution
Bike not turning on	Battery not charged or not properly seated.	Ensure battery is fully charged and securely inserted. Check key position.
Motor not assisting	Pedal assist level too low or throttle not engaged.	Increase pedal assist level on LCD. Ensure throttle is twisted correctly.
Short battery range	Riding conditions (hills, heavy load), high assist level, low tire pressure.	Reduce assist level, maintain proper tire pressure, avoid excessive loads.

For further assistance, please contact Funhang customer support. Provide videos or photos to illustrate your problem for a quicker resolution. We aim to respond within 24 hours.

7. Specifications

Feature	Specification
Model Name	EB-C2
Motor	500W (1000W Peak) Brushless Motor, 55N.m Torque
Top Speed	21.7 MPH
Battery	48V 374.4Wh Removable Internal Battery (UL Certified, BMS Protected, IPX5 Waterproof, Anti-theft)
Range	25-30 miles (Throttle Mode), 40-50 miles (Pedal-Assist Mode)
Wheel Size	26 Inches
Frame Material	Carbon Steel (Step-Through Design)
Gears	7-Speed Gear System
Brakes	Dual Disc Brakes
Suspension	Front Suspension Fork
Max Load	300 Pounds
Recommended User Height	5.3 - 6.1 Feet
Included Components	User Manual, Electric Bike, Cargo Rack, Charger, Tool Kit



Figure 5: Size parameters and recommended user height.

8. Warranty and Support

Funhang provides a **12-month limited hardware replacement warranty** for your EB-C2 electric bike. Additionally, **lifetime technical support** is available to assist you with any issues or questions you may have.

If you experience any problems with your Funhang electric bicycle, please do not hesitate to reach out to us through Amazon. We are committed to providing excellent customer service and will respond to your inquiries within 24 hours.

For common questions, you may also refer to the Brand Story FAQs:

- **How to assemble the electric bike?** Funhang electric bike is 85% pre-assembled. We have provided the assembly video on product page and detailed assembly steps on user manual for your reference.
- **How do I get a response?** Click your order or seller name, then send us some videos or photos to show your problem, we will help you fix it within 24 hours.
- **What if you aren't satisfied when you receive the package?**We don't refuse your return. Before returning the item, please notify us through Amazon first and make sure the item and package aren't damaged. Then, we will

help you fix it.

- **How long will it take to receive a package?** Our warehouse is located in California. We will process and ship your order within 24 hours on business days. It usually takes 5-7 days for customers to receive their packages. Of course, if you are in or near California, it will be faster.
- **What is the replacement policy?** We provide 12-month limited hardware replacement. If you have any issues about Funhang electric bicycles, please don't hesitate to reach out to us.

Ask a question about this manual

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

Is there any adjustment for the kickstand on the Funhang EB-C2 electric bike? It is at an unsafe, almost vertical angle and I am worried it will fall over.

Based on the Funhang EB-C2 instruction manual, there is no specific mention of an adjustable-length kickstand. However, you can try the following steps to ensure it is properly installed and positioned:Check Mounting Bolts: According...

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