

YinZhiBoo XDC600

YinZhiBoo XDC600 Electric Fat Tire Mountain Bike User Manual

MODEL: XDC600

1. INTRODUCTION

Welcome to the world of electric biking with your new YinZhiBoo XDC600 Electric Fat Tire Mountain Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your e-bike. Please read this manual thoroughly before your first ride and keep it for future reference.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations. Perform a pre-ride inspection before each use, checking brakes, tire pressure, battery charge, and all connections.

- **Helmet Use:** Always wear a certified helmet.
- **Pre-Ride Check:** Inspect brakes, tires, battery, and all fasteners.
- **Traffic Laws:** Adhere to all local traffic laws and regulations.
- **Weather Conditions:** Exercise caution in wet or slippery conditions.
- **Weight Limit:** Do not exceed the maximum weight capacity of 330 lbs.

3. PRODUCT OVERVIEW

The YinZhiBoo XDC600 is a robust electric fat tire mountain bike designed for various terrains. It features a powerful motor, a long-lasting battery, and multiple riding modes to enhance your cycling experience.

Key Features:

- **Motor:** 2000W Peak Brushless Motor, delivering 105 N·m of torque.

- **Battery:** 48V 17.5Ah (840Wh) detachable Lithium-ion battery with BMS technology.
- **Max Speed:** Up to 32 MPH (unlockable, default 20 MPH for city commuting).
- **Range:** 36-40 miles (pure electric mode), 60-65 miles (PAS mode).
- **Tires:** 26" x 4" Fat Tires for all-terrain capability.
- **Gears:** Shimano 7-Speed shifting system.
- **Brakes:** Dual disc brakes for reliable stopping power.
- **Display:** Intelligent LCD display for speed, distance, and battery life.
- **Safety:** Headlight and taillight for enhanced visibility.



Figure 1: YinZhiBoo XDC600 Electric Fat Tire Mountain Bike (Black/Yellow)

4. SETUP

The YinZhiBoo XDC600 e-bike is 95% pre-assembled. The following steps detail the final assembly process. For a visual guide, please refer to the assembly video provided below.

4.1. Unboxing and Initial Assembly

Carefully remove the e-bike and all components from the packaging. Remove all protective wrapping and zip ties. Ensure all parts are present according to the packing list.

4.2. Handlebar Installation

Attach the handlebars to the stem using the provided tools. Ensure they are centered and tightened securely for

safe steering.

4.3. Front Wheel Installation

Install the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper. Secure the quick-release skewer or axle nuts firmly.

4.4. Pedal Installation

Identify the left (L) and right (R) pedals. The right pedal threads clockwise, and the left pedal threads counter-clockwise. Apply a small amount of grease to the threads and tighten them securely.

4.5. Battery Installation

Slide the battery into its designated slot on the frame until it clicks into place. Use the key to lock the battery for security. Ensure the battery is fully charged before your first ride.

4.6. Light Installation

Attach the front headlight to the fork and connect its wiring. Ensure it is securely mounted and facing forward.

Video 1: Assembly Guide for YinZhiBoo E-bike. This video demonstrates the unboxing, handlebar, front wheel, pedal, and battery installation steps.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

To power on the e-bike, insert the key into the battery lock and turn it to the 'ON' position. Then, press and hold the power button on the LCD display. To power off, reverse the process.

5.2. Riding Modes

Your XDC600 offers three distinct riding modes:

1. **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust the assist level (1-5) using the '+' and '-' buttons on the display.
2. **Fully Electric Mode:** Twist the throttle on the handlebar to engage the motor without pedaling. The amount of power is proportional to the throttle twist.
3. **Pedal Mode:** Ride the bicycle like a traditional bike without any motor assistance.

5.3. LCD Display

The intelligent LCD display provides real-time information:

- **Speed:** Current riding speed.
- **Distance:** Trip distance and total odometer.
- **Battery Life:** Remaining battery charge level.
- **PAS Level:** Current pedal assist level (1-5).

**The tail lights keep you safety
while riding at night**



Figure 2: Intelligent LCD Display and Throttle Controls

5.4. Lights

The e-bike is equipped with a headlight and taillight for visibility. Operate them via the controls on the handlebar. Ensure lights are on when riding in low-light conditions or at night.



Figure 3: Rear view of the e-bike showing the taillight for night safety.

6. MAINTENANCE

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

- **Battery Care:** Charge the battery regularly, even when not in use, to maintain its health. Avoid fully discharging the battery. Store in a cool, dry place. The BMS technology protects against overcharge, temperature, and short circuits.
- **Tire Pressure:** Check fat tire pressure before each ride. Refer to the tire sidewall for recommended PSI.
- **Brake System:** Regularly inspect disc brakes for wear and proper function. Adjust or replace pads as needed.
- **Gear System:** Keep the Shimano 7-speed gears clean and lubricated for smooth shifting.
- **General Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

Battery 48V 17.5AH

LARGE CAPACITY BAITERY



36-65 Miles
Max Ranges



Overcharge
Protection



Temperature
Protection



Short Clruit
Protection



Figure 4: The 48V 17.5Ah battery with overcharge, temperature, and short circuit protection.



Figure 5: Close-up of the 2000W peak brushless motor and Shimano cassette.

7. TROUBLESHOOTING

If you encounter issues with your e-bike, please refer to the following common problems and solutions. If the problem persists, contact customer support.

- **E-bike not powering on:** Ensure the battery is fully charged and properly installed. Check that the key is in the 'ON' position and the power button on the display is pressed.
- **Motor not engaging:** Verify that the PAS level is set above 0 or that the throttle is engaged. Check for any loose connections to the motor or controller.
- **Brakes not effective:** Inspect brake pads for wear. Adjust brake cables or hydraulic fluid levels if applicable.
- **Unusual noises:** Check for loose components, rubbing parts, or debris in the drivetrain.

8. SPECIFICATIONS

Feature	Specification
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Model Name	XDC600
Bike Type	Electric Mountain Bike
Motor	2000W Peak Brushless Motor
Battery	48V 17.5Ah (840Wh) Lithium-ion with BMS
Max Speed	32 MPH (unlockable)
Range (Pure Electric)	36-40 miles
Range (PAS Mode)	60-65 miles
Wheel Size	26 Inches
Tire Width	4 Inches (Fat Tire)
Frame Material	High Carbon Steel
Suspension Type	Front
Brake Style	Disc (Dual)
Number of Speeds	7 (Shimano)
Item Weight	70 Pounds
Maximum Weight Recommendation	330 Pounds
Recommended Rider Height	5.2 - 6.9 ft



Figure 6: Size guide and dimensions for the YinZhiBoo XDC600 Electric Bike.

9. WARRANTY & SUPPORT

YinZhiBoo provides a **one-year service and warranty** for each electric bicycle. If you have any questions or require assistance, please do not hesitate to contact our support team via email. We are committed to serving you within 24 hours.

Contact: Please refer to your purchase documentation or the product listing for the specific support email address.

Return Tips: Please retain the original e-bike packaging for a period after purchase, in case a return is necessary.

Contact our support team before initiating any returns to prevent package loss or complications.

Video 2: YinZhiBoo E-bike Aging Test. This video demonstrates the durability testing of the e-bike under a 330lb load over 1800 miles.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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