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› DUOTTS S26 Electric Bike User Manual

DUOTTS DUOTTS S26 Electric Bike for Adults

DUOTTS S26 Electric Bike User Manual

Model: DUOTTS S26 Electric Bike for Adults

1. INTRODUCTION

Welcome to the DUOTTS S26 Electric Bike user manual. This guide provides essential information for the safe assembly, operation, and maintenance of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Image 1.1: The DUOTTS S26 Electric Bike, showcasing its robust design, integrated LCD display, and Bluetooth app connectivity.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following guidelines:

- **Wear a Helmet:** Always wear a certified bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, battery level, and ensure all quick releases are securely fastened.
- **Obey Traffic Laws:** Follow all local traffic laws and regulations.
- **Visibility:** Use front and rear lights, especially during low light conditions or at night. Wear reflective clothing.
- **Weather Conditions:** Exercise caution when riding in wet or slippery conditions. Hydraulic brakes may perform differently in adverse weather.
- **Weight Limit:** Do not exceed the maximum load capacity of 330 lbs (150 kg).



Image 2.1: The bright front light of the DUOTTS S26, essential for visibility and safety during night rides.

3. PACKAGE CONTENTS

Upon unboxing, please verify that all the following components are included:

- DUOTTS S26 Electric Bike (main unit)
- Charger X1
- User Manual X1 (this document)
- 16-in-1 Tool X1
- Twist Throttle X1
- Pedals X2
- Front Hub Barrel Axle X1
- Motor Axle Cover X1
- Air Pump X1
- Phone Bag X1

4. SETUP AND ASSEMBLY

The DUOTTS S26 Electric Bike comes 85% pre-assembled. Follow these steps to complete the assembly:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring proper alignment and tightening all bolts securely.
3. **Front Wheel Installation:** Install the front wheel, making sure the brake rotor is correctly seated in the caliper. Secure the front hub barrel axle.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread them into the crank arms. Note that the left pedal is reverse-threaded. Tighten firmly.
5. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the height for a comfortable riding position. Secure with the quick-release lever.

6. **Battery Installation:** Ensure the battery is securely seated in its compartment.
7. **Pre-Assembly Check:** Before your first ride, double-check all pre-assembled parts for tightness and correct alignment, including brakes, gears, and suspension.

***Tip:** Due to the bike's weight (approximately 88 lbs), it is recommended to have a second person assist with the assembly, especially when installing the front wheel.*

5. OPERATING INSTRUCTIONS

5.1 Riding Modes and Pedal Assist Levels

The DUOTT S26 offers versatile riding experiences with three distinct modes and five pedal assist levels:

- **Pure Electric Mode:** Engage the twist throttle for motor-only propulsion without pedaling.
- **Assisted Bicycle Mode (PAS):** The motor provides assistance based on your pedaling effort. There are 5 levels of pedal assist, allowing you to control the amount of motor support.
- **Normal Bike Mode:** Ride the bike like a traditional bicycle, using only pedal power with no motor assistance.

3 RIDING MODES & 5 PEDAL ASSIST LEVELS



Riding Mode



Pedal Assist Mode



Electric Mode

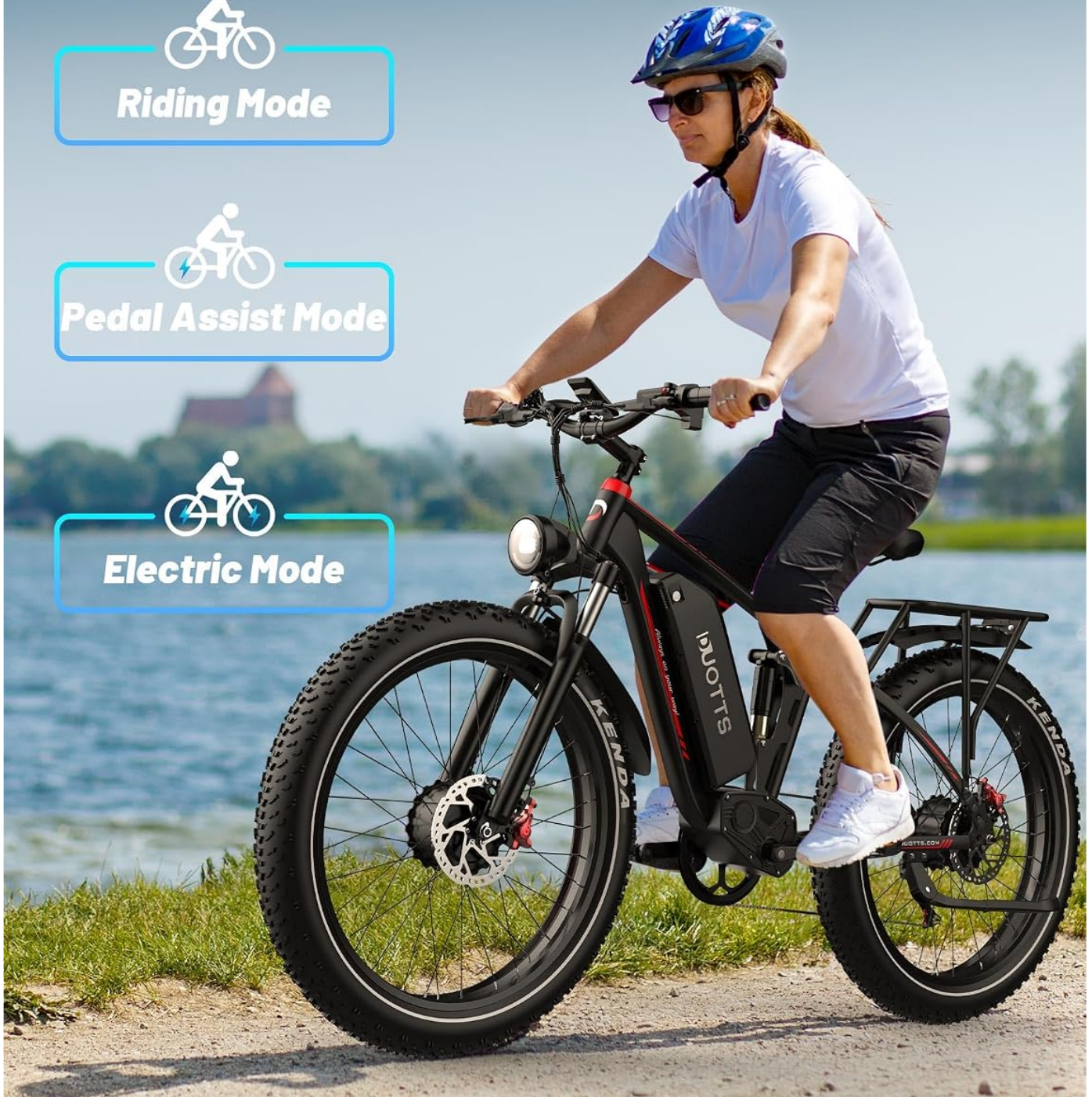


Image 5.1: Visual representation of the three riding modes available on the DUOTTS S26, offering flexibility for various riding styles and terrains.

5.2 Dual Motor Operation

The S26 features dual 750W motors (3000W peak combined) for powerful performance. You can switch between single and dual motor modes. Dual motor mode provides maximum power and torque, ideal for steep inclines or off-road

conditions, but will consume battery faster.

1500W*2
**HIGH SPEED BRUSHLESS
DUAL MOTOR**

2*65 NM
Max Torque

55°
Max Uphill

7-Speed
Gear

Image 5.2: The DUOTTS S26 in action, emphasizing its powerful dual motor system and all-terrain capabilities.

5.3 LCD Display and Bluetooth APP Control

The integrated LCD display shows vital information such as speed, battery level, pedal assist level, and mileage. For enhanced control and data, connect your bike to the dedicated Bluetooth APP.

- **Speed:** Displays current riding speed.
- **Battery Indicator:** Shows remaining battery charge. Note: A red light typically indicates a fully charged battery, followed by green lights as it discharges.
- **PAS Level:** Indicates the current pedal assist level (0-5).
- **Mileage:** Tracks trip distance and total odometer.

SMART LCD DISPLAY APP-CONTROL

More Ways to Interact, Bring You a Richer Riding Experience



Image 5.3: The smart LCD display and Bluetooth app interface, providing comprehensive control and real-time riding data.

5.4 Battery Charging

The 48V 20Ah (960WH) lithium-ion battery can be charged on or off the bike. Charging time is approximately 6-8 hours. Ensure the charger is connected to a standard power outlet and then to the bike's charging port. The battery is IPX5 waterproof and BMS protected for safety and longevity.



48V 20AH
Large Capacity
Portable Battery

-  **25~75 Miles**
Per Charge
-  **6~8H**
Full Charge
-  **IPX5**
WaterProof
-  **BMS**
Power Saving

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DUOTTS S26 Electric Bike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Maintain proper tire pressure (refer to tire sidewall for recommended PSI). Inspect tires for wear and damage. The 26" x 4.0" fat tires provide excellent grip and stability.
- **Brakes:** Regularly check the dual hydraulic brakes for proper function and wear on brake pads. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Suspension:** Inspect the front suspension fork and rear shock for proper function. The front fork allows adjustment for softness or firmness.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to about 50-70% every few months.

ALL-TERRAIN CUSHIONING & HYDRAULIC BRAKE



Image 6.1: The dual suspension system of the DUOTT S26, providing comfort and control on challenging terrains.

7. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged or not properly seated.	Ensure battery is fully charged and securely connected. Check power button.
Motor not assisting	PAS level set to 0, throttle issue, or motor connection problem.	Increase PAS level. Check throttle connection. Inspect motor cables.
Brakes feel weak	Worn brake pads, air in hydraulic line, or misaligned caliper.	Inspect and replace brake pads. Bleed hydraulic lines if necessary (professional service recommended). Adjust caliper.
Unusual noises during ride	Loose components, chain issues, or suspension noise.	Check all bolts and quick releases. Clean and lubricate chain. Inspect suspension components.
Battery indicator shows red light when charging	This is normal for a fully charged battery.	No action needed. The red light indicates full charge, followed by green lights as it discharges.

8. SPECIFICATIONS

Detailed specifications for the DUOTTS S26 Electric Bike:

Feature	Specification
Bike Type	Cross Country Bike, Fat Tire
Age Range	Adult
Brand	DUOTTS
Number of Speeds	7
Color	Black and Red
Wheel Size	26 Inches
Frame Material	Aluminum
Suspension Type	Dual (Front Fork & Rear Shock)
Special Features	Adjustable Seat, Digital Display, Dual Hydraulic Brakes, Dual Suspension
Brake Style	Hydraulic Brakes
Wheel Width	4 Inches
Item Weight	88 Pounds (approx. 40 kg)

Feature	Specification
Max Load Capacity	330 lbs (approx. 150 kg)
Motor Wattage	Dual 750W (3000W Peak)
Battery	48V 20Ah (960WH) Lithium-ion
Range (Pure Electric)	25-38 miles
Range (PAS Mode)	62-75 miles
Charging Time	6-8 hours
Recommended Rider Height	5.5 ft - 6.5 ft
Dimensions (L*W*H)	1930*720*1120mm



Image 8.1: Key dimensions and recommended rider height for the DUOTTS S26 Electric Bike.

9. WARRANTY AND SUPPORT

DUOTTS provides a **365-day warranty** and **lifetime technical support** for the S26 Electric Bike. Additionally, a **2-Year Manufacturer Warranty** is applicable.

For any questions, technical assistance, or warranty claims, please contact DUOTTS customer support. Refer to the contact information provided on the official DUOTTS website or your purchase documentation. We aim to respond to inquiries within 24 hours.

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