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OTIDA RX50

OTIDA RX50 Dual Motors Electric Bike Instruction Manual

Model: RX50 | Brand: OTIDA

Introduction

The OTIDA RX50 Dual Motors Electric Bike is designed for adults seeking a powerful and versatile e-bike experience. Featuring dual 3000W peak motors, a 48V 20Ah battery, and full suspension with 26" x 4" fat tires, this e-bike is built to handle various terrains from city streets to mountain trails. This manual provides essential information for the safe and efficient operation, maintenance, and setup of your new electric bicycle.

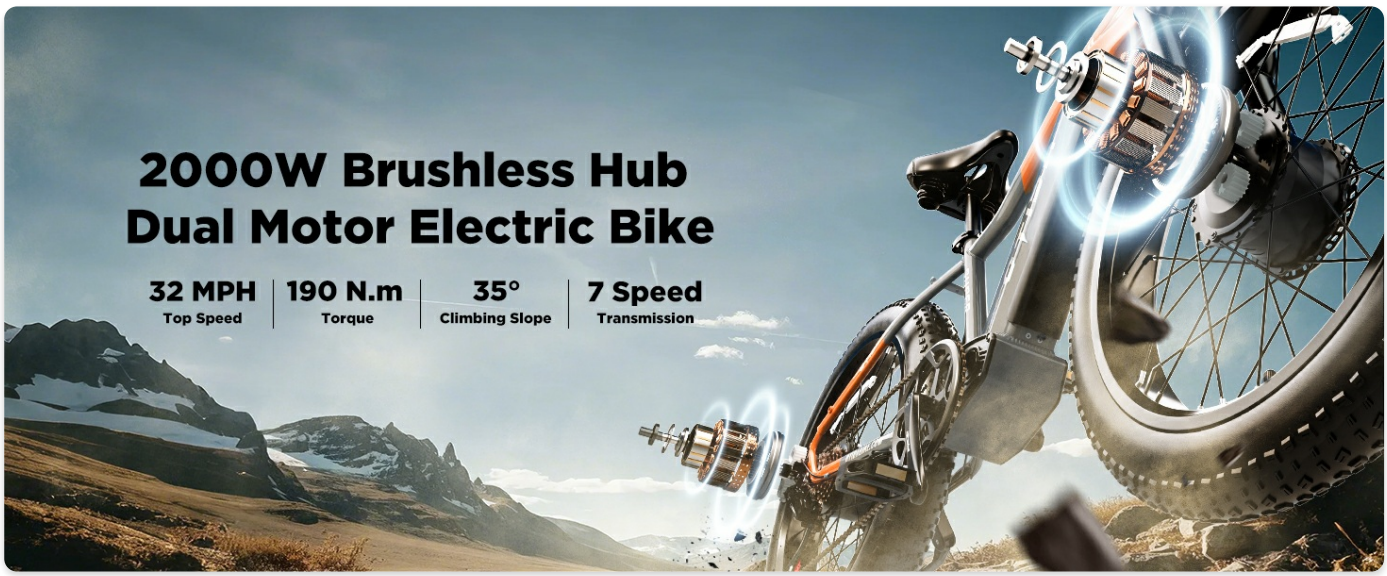


Image: The OTIDA RX50 Dual Motor Electric Bike, highlighting its powerful 2000W brushless hub dual motor, 32 MPH top speed, 190 N.m torque, 35° climbing slope, and 7-speed transmission.

Setup and Assembly

Your OTIDA RX50 electric bike arrives 95% pre-assembled. Follow these steps for final assembly:

1. **Install the Front Wheel:** Carefully align the front wheel with the fork and secure it using the quick-release mechanism or bolts provided. Ensure the brake rotor is correctly seated within the caliper.
2. **Install the Front Fender:** Attach the front fender to the fork using the provided screws and brackets. Ensure it is securely

fastened and does not interfere with wheel rotation.

3. **Install the Steering Wheel (Handlebars):** Attach the handlebars to the stem. Adjust the angle and tighten the bolts to ensure a secure and comfortable riding position.
4. **Install the Headlights:** Mount the headlight to the designated bracket on the front fork or handlebars. Connect the wiring as instructed.
5. **Install the Rear Rack and Pedals:** Secure the rear rack to the frame using the provided hardware. Attach the pedals to the crank arms, ensuring they are tightened correctly (left pedal is reverse-threaded).
6. **Battery Installation:** Insert the 48V 20Ah battery into the frame compartment. Ensure it clicks securely into place. Use the provided key to lock it.

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Video: An installation tutorial for the OTIDA RX80 electric bike, demonstrating the steps for assembling the front wheel, fender, handlebars, headlights, rear rack, and pedals.



Image: A visual guide to the accessories included with the OTIDA RX50 electric bike, such as battery keys, charger, toolkit, goods shelves (rear rack), fender, user manual, inflator, phone holder, and rearview mirror.

Operating Your E-Bike

The OTIDA RX50 offers multiple riding modes and intuitive controls for a customized experience.

Riding Modes:

- **Electric Bike Mode:** Utilizes the motor for full power, no pedaling required.
- **Pedal-Assist Bike (PAS) Mode:** Offers 5 adjustable levels of motor assistance while you pedal.
- **Regular Bike Mode:** Ride like a traditional bicycle without motor assistance.
- **Cruise Control:** Maintain a consistent speed without continuous throttle input.

Display and Controls:

The 3.5-inch color LCD display provides real-time data including speed, battery level, distance, and mode status. Controls on the handlebars allow for easy mode switching and light activation.



Image: Close-up of the 3.5-inch color LCD display, showing speed, battery level, and riding mode information, designed for clear visibility even at night.

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Video: A rider enjoying the OTIDA electric bike across various terrains, showcasing its versatility and performance.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your OTIDA RX50 e-bike.

- **Battery Care:** Charge the 48V 20Ah battery using the provided 3A charger. The integrated BMS protects against overcharge, overheating, and short circuits. Avoid completely discharging the battery to prolong its lifespan. Full charge typically takes 4-6 hours.
- **Tire Pressure:** Regularly check and maintain the correct pressure for your 26" x 4" fat tires using the included air pump.
- **Brake System:** Inspect the dual hydraulic disc brakes for wear and proper function. Ensure smooth and responsive braking.
- **Chain and Drivetrain:** Keep the 7-speed chain clean and lubricated. Check the derailleur for smooth gear changes.
- **General Inspection:** Periodically check all bolts, nuts, and connections for tightness. Ensure all electrical connections are secure.



Image: The removable 48V 20Ah (960Wh) lithium battery, highlighting its max range of 40-100 miles, 4-6 hours fast charge, intelligent BMS safety, and IP54 waterproof rating.

Troubleshooting

If you encounter any issues with your OTIDA RX50 e-bike, please refer to the following general advice:

- **No Power:** Check if the battery is fully charged and correctly installed. Ensure the power button on the battery and display are

activated.

- **Motor Not Engaging:** Verify that the pedal-assist level is not set to zero and that the throttle is functioning correctly. Check for any loose motor connections.
- **Brake Issues:** If brakes feel spongy or unresponsive, they may need adjustment or bleeding. Consult a professional bike technician.
- **Display Errors:** If the LCD displays an error code, consult the E-bike Display User Manual (KD926) for specific troubleshooting steps.

For persistent problems, contact OTIDA customer support for assistance.

Specifications

Feature	Detail
Bike Type	Electric Bike
Brand	OTIDA
Model Name	RX50
Motors	Peak 3000W (1000W*2) Brushless Hub Dual Motor
Top Speed	32 MPH (Pure Electric Mode)
Torque	190 N.m (Combined)
Climbing Incline	35°
Battery	48V 20Ah (960Wh) Lithium Battery with BMS
Max Range	40 miles (Electric-only), 100 miles (Pedal-assist)
Charging Time	4-6 hours
Tires	26" x 4" Fat Tires
Suspension	Professional Dual-Crown Fork Front Suspension, Full Suspension Frame
Brakes	Dual Hydraulic Disc Brakes
Gears	7-Speed Transmission
Frame Material	Aluminum
Display	3.5-inch Color LCD
Max Load Capacity	440 Pounds
Item Weight	97 Pounds
Waterproof Rating	IP54 (Battery Housing)

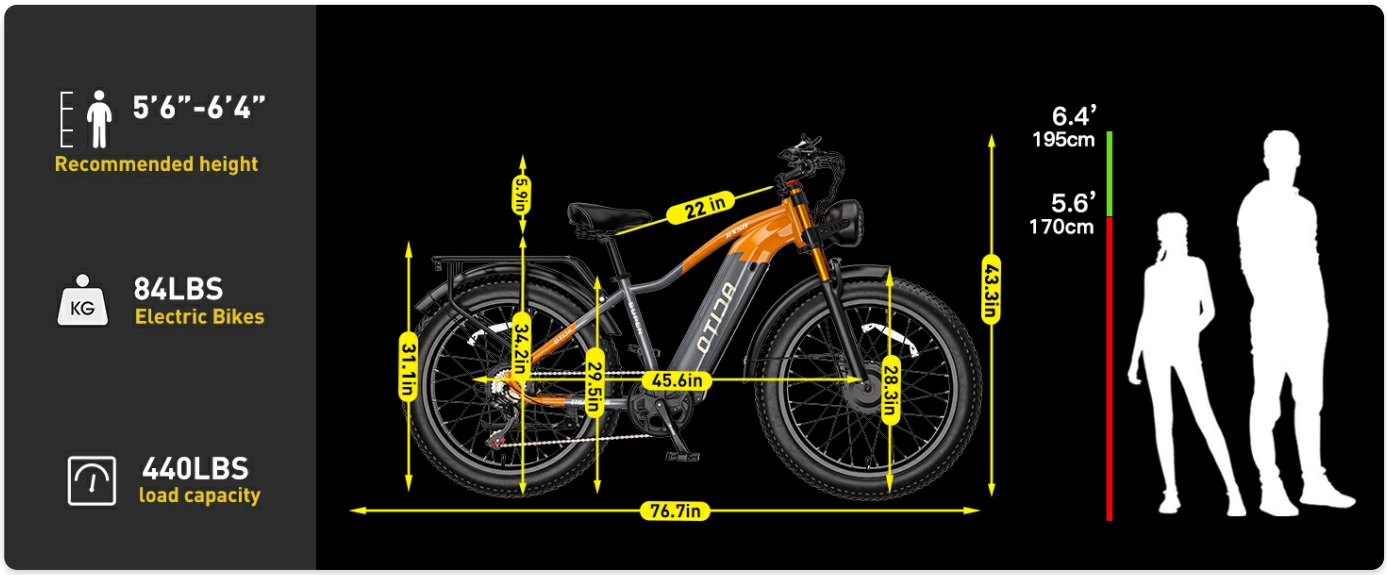


Image: Detailed dimensions of the RX50 Dual Motor Ebike, including recommended height (5'6"-6'4"), weight (84 lbs for electric bikes), and load capacity (440 lbs).

Warranty and Support

OTIDA provides comprehensive support for your electric bike.

- **Warranty:** Enjoy a 1-year after-sales service for the motor, battery, charger, and controller.
- **Technical Support:** Lifetime technical support is available for all OTIDA RX50 owners.
- **Contact:** For any inquiries or support needs, please contact OTIDA customer service.

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