OTIDA RX80

OTIDA RX80 Electric Bike User Manual

Brand: OTIDA | Model: RX80

1. Product Overview

The OTIDA RX80 is a powerful electric bike designed for various terrains, featuring dual motors, a long-range battery, and full suspension. It offers a versatile riding experience with multiple modes and robust components.



Figure 1.1: OTIDA RX80 Electric Bike

Key Features:

- **Powerful Brushless Hub Dual Motor:** Equipped with peak 3000W (1000W*2) motors delivering 190 N.m of combined torque, achieving up to 32 MPH top speed. Capable of conquering 35° inclines.
- **High-Capacity Battery:** Features a 48V 20Ah (960Wh) removable battery, offering up to 40 miles in electric-only mode and up to 100 miles in pedal-assist mode. Integrated BMS for protection and IP54-rated housing for all-weather reliability.
- **Full Suspension System:** Dual suspension system with a Dual-crown Front Fork and Sports Rear Suspension for absorbing shocks on various terrains.
- **Fat Tires:** 26"x4" fat tires with deep treads for superior traction on sand, snow, mud, and other challenging surfaces.
- **Dual Hydraulic Brakes:** Provides exceptional stopping power and stable braking performance, ensuring quick and controlled stops.
- **Multiple Riding Modes:** Seamlessly switch between Electric Bike, Pedal-Assist Bike (5 adjustable levels), Regular Bike, and Cruise Control.
- **LCD Display:** A 3.5-inch color LCD display provides real-time data including speed, battery level, distance, and mode status.

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Video 1.1: OTIDA Electric Bicycle Static Display. This video showcases the bike's design and features from various angles.

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Video 1.2: Explore the World with OTIDA Electric Bikes. This video demonstrates the bike's performance in various outdoor environments.

2. Setup and Assembly

The OTIDA RX80 electric bike arrives 95% pre-assembled. Follow these steps for final assembly. For a detailed visual guide, please refer to the installation video below.

Assembly Steps:

1. **Install the Front Wheel:** Carefully align the front wheel with the fork and secure it using the quick-release mechanism. 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 tools.
3. **Install the Steering Wheel (Handlebar):** Mount the handlebar onto the stem and tighten the bolts securely. Adjust the angle for comfortable riding.
4. **Install the Headlights:** Attach the headlight to the designated mounting points on the front fork or handlebar and connect the electrical cable.
5. **Install the Rear Rack and Pedals:** Secure the rear rack to the frame. Attach the pedals, ensuring the left and right pedals are installed on their respective sides (L for left, R for right).
6. **Charge the Battery:** Before your first ride, fully charge the battery.

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Video 2.1: OTIDA RX80 Installation Tutorial. This video provides step-by-step instructions for assembling your e-bike.

3. Operating Instructions

The OTIDA RX80 offers a dynamic riding experience with various modes to suit your needs.

Riding Modes:

- **Electric Bike Mode:** Provides full motor assistance without pedaling. Ideal for effortless cruising.
- **Pedal-Assist Mode (PAS):** Offers 5 adjustable levels of motor assistance while you pedal. This mode extends battery range and provides a natural riding feel.
- **Regular Bike Mode:** The motor is off, and you pedal the bike like a traditional bicycle.
- **Cruise Control:** Maintain a consistent speed without continuously holding the throttle.

LCD Display:

The 3.5-inch color LCD display provides essential real-time information:

- Speed (current, average, max)
- Battery Level Indicator
- Distance (trip, odometer)
- Riding Mode Status (PAS level, electric mode)
- Headlight status



Figure 3.1: 3.5-inch LCD Display showing speed, battery, and mode.

Gear Shifting:

The 7-speed transmission allows for optimal power transfer and comfortable riding across various terrains. Use the twist grip shifter to change gears as needed.



Figure 3.2: 7-Speed Twist Grip Shifter for smooth gear changes.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your OTIDA RX80 electric bike.

General Maintenance Tips:

- **Battery Care:** Charge the battery regularly, even when not in use, to maintain its health. Avoid fully discharging the battery. The integrated BMS protects against overcharge and overheating.
- **Cleaning:** Clean your bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components. The IP54 rating provides resistance against dust and water splashes.
- **Tire Pressure:** Check tire pressure before each ride. Maintain recommended pressure for optimal performance and safety.

- **Brake Inspection:** Regularly inspect the hydraulic disc brakes for wear and tear. Ensure brake levers provide firm and responsive stopping power.



Figure 4.1: Dual Hydraulic Brakes for reliable stopping power.

- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Fastener Check:** Periodically check all bolts and fasteners to ensure they are tight and secure.

5. Troubleshooting

If you encounter issues with your OTIDA RX80, refer to these common troubleshooting tips. For more complex problems, contact customer support.

Common Issues and Solutions:

- **Bike Not Turning On:**
  - Ensure the battery is fully charged and properly seated.
  - Check all electrical connections for looseness or damage.
- **Motor Not Engaging:**
  - Verify that the riding mode is set to Electric Bike or Pedal-Assist.
  - Check for any error codes on the LCD display.
  - Ensure brake levers are not partially engaged, as this can cut motor power.
- **Reduced Range:**
  - Battery may not be fully charged or is aging.
  - Riding conditions (e.g., steep inclines, heavy loads, low tire pressure) can affect range.
  - Ensure tires are properly inflated.
- **Brakes Squealing or Ineffective:**
  - Brake pads may be worn and require replacement.
  - Brake rotors may be dirty or contaminated. Clean with a suitable brake cleaner.
  - Hydraulic system may need bleeding or fluid top-up. This should be done by a qualified technician.

6. Specifications

Feature	Specification
Model Name	RX80
Bike Type	Electric Bike
Brand	OTIDA
Motor Power	Peak 3000W (1000W*2) Brushless Hub Dual Motor
Max Speed	32 MPH (Pure Electric Mode)
Torque	190 N.m (Combined)
Climbing Incline	35°
Battery	48V 20Ah (960Wh) Removable Lithium Battery
Charging Time	4-6 Hours (Fast Charging)
Max Range (Electric)	Up to 40 miles
Max Range (PAS)	Up to 100 miles
Waterproof Rating	IP54
Wheel Size	26 Inches x 4 Inches (Fat Tire)
Frame Material	Aluminum
Suspension Type	Dual (Dual-crown Front Fork & Sports Rear Suspension)
Brake Style	Hydraulic Disc Brakes
Number of Speeds	7 (Twist Grip Shifter)
Display	3.5-inch Color LCD Display
Item Weight	97 Pounds
Maximum Weight Recommendation	440 Pounds
Assembly Required	Yes (95% pre-assembled)
Item Dimensions (LxWxH)	76.7 x 27.6 x 43.3 inches
Package Dimensions (LxWxH)	62.2 x 32.3 x 12.6 inches

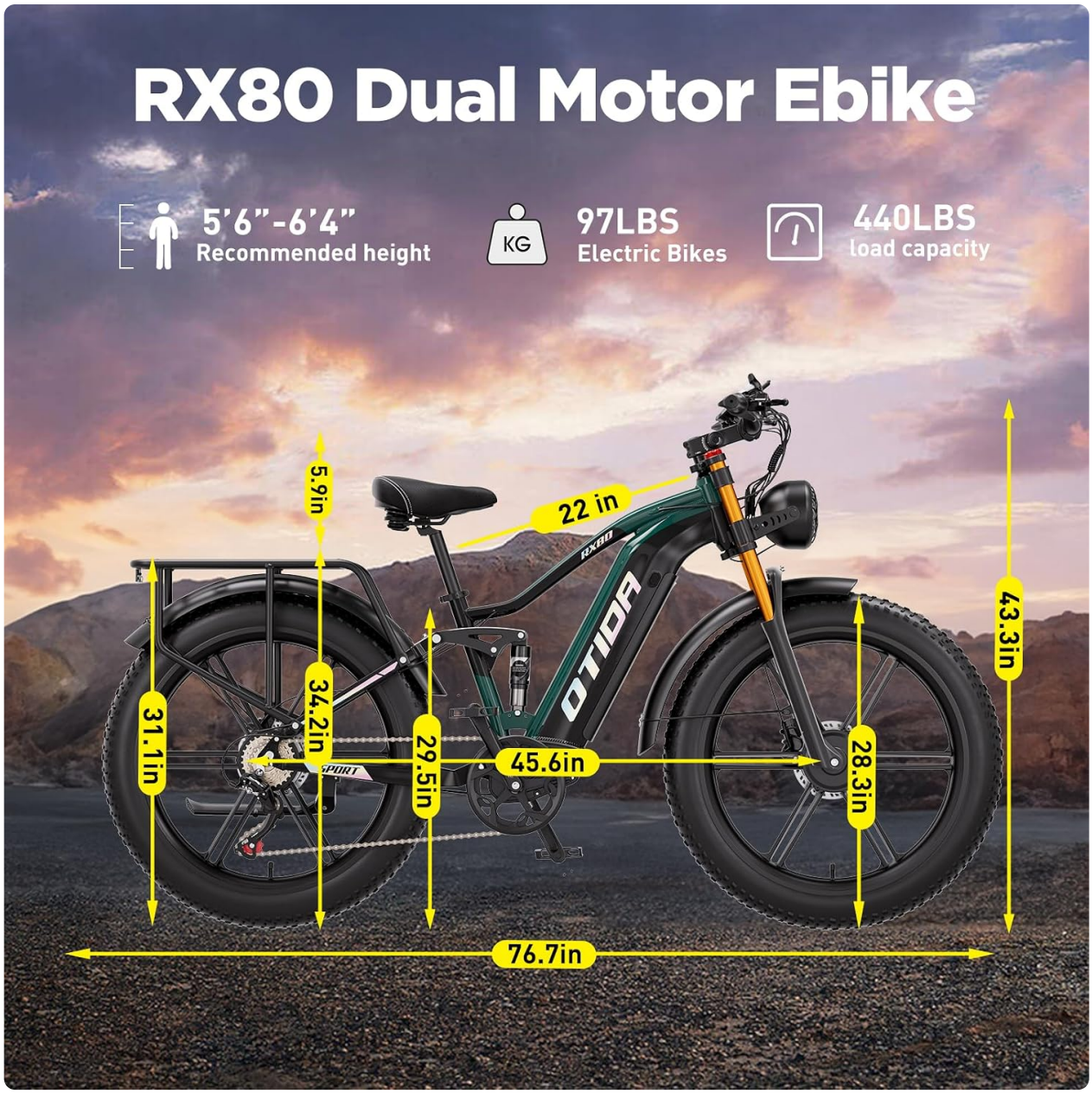


Figure 6.1: OTIDA RX80 Electric Bike Dimensions and Recommended Height.

7. Included Components

Your OTIDA RX80 package includes the following items:

- OTIDA RX80 Electric Bike (95% pre-assembled)
- Battery Keys
- Charger
- Toolkit
- User Manual (this document)
- Rear Rack
- Fender Set (front and rear)
- Air Pump

- Rearview Mirror
- Aluminum Phone Holder
- Inflator

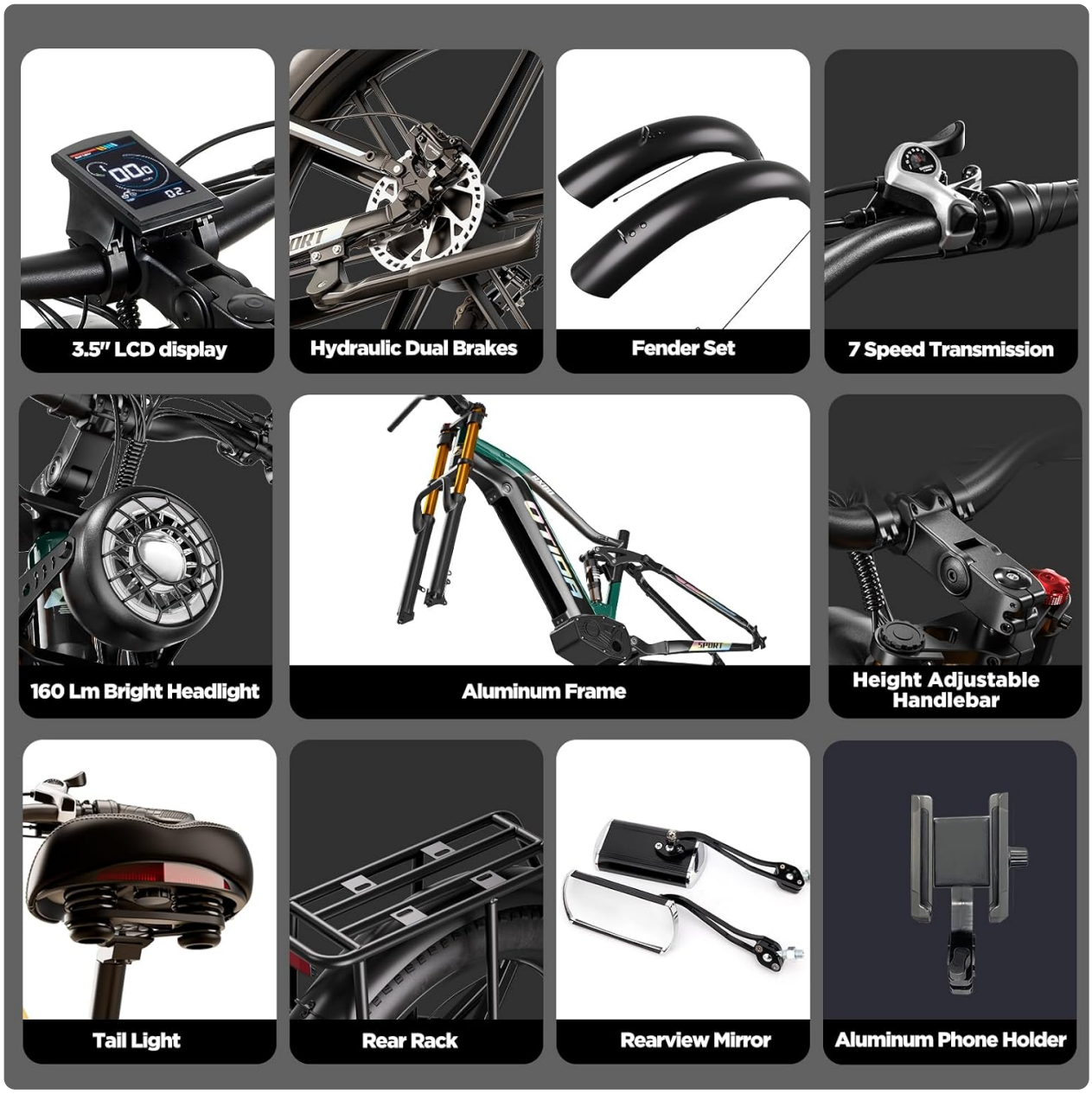


Figure 7.1: Visual representation of included accessories.

8. Warranty and Customer Support

OTIDA is committed to providing excellent customer service and support for your electric bike.

Warranty Information:

- We provide **1-year after-sales service** for the motor, battery, charger, and controller.
- This product comes with a **Limited Manufacturer Warranty**.

Customer Support:

For any technical assistance, questions, or warranty claims, please contact our customer support team. We offer **lifetime technical support** for your OTIDA RX80 electric bike.
When contacting support, please have your model name (RX80) and purchase details ready to help us assist you more efficiently.

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