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Ruitoo T2 Max

Ruitoo T2 Max Electric Scooter User Manual

Comprehensive instructions for your electric scooter.

1. INTRODUCTION

Welcome to the world of electric mobility with your new Ruitoo T2 Max Electric Scooter. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your scooter. Please read it thoroughly before your first ride to ensure optimal performance and safety.



Image 1.1: The Ruitoo T2 Max Electric Scooter, showcasing its robust design and orange accents.

2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate protective gear (knee pads, elbow pads) while riding. Familiarize yourself with local laws and regulations regarding electric scooter use. Avoid riding in adverse weather conditions or on slippery surfaces. Always perform a pre-ride check of brakes, tires, and lights.

- **Wear a Helmet:** Always wear a certified helmet.
- **Check Brakes:** Ensure both disc brakes are functioning correctly before each ride.
- **Visibility:** Use the LED headlight, taillight, and turn signals to enhance visibility, especially at night.
- **Tire Pressure:** Maintain correct tire pressure for optimal performance and safety.
- **Weight Limit:** Do not exceed the maximum load capacity of 265 lbs (120 kg).



Image 2.1: A rider demonstrating safe operation of the scooter, wearing a helmet and protective gear.

3. PACKAGE CONTENTS

Upon unpacking your Ruitoo T2 Max Electric Scooter, please ensure all components are present and undamaged:

- Ruitoo T2 Max Electric Scooter (main unit)
- Toolkit (for assembly and maintenance)
- 48V 3A Charger
- User Manual (this document)

4. SETUP AND ASSEMBLY

Your Ruitoo T2 Max Electric Scooter comes mostly pre-assembled. The primary step involves attaching and adjusting the handlebar.

1. Carefully remove the scooter and all components from the packaging.
2. Locate the handlebar assembly. You will need to remove the four screws/bolts from the handlebar clamp using the

provided Allen wrenches from the toolkit.

3. Position the handlebar onto the stem, ensuring all cables are clear and not pinched. Adjust the handlebar to your desired height using the three available height levels on the stem.
4. Securely re-insert and tighten the four screws/bolts into the handlebar clamp.
5. Perform a final check to ensure all connections are secure and the handlebar is firmly in place.

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Video 4.1: A detailed customer experience video demonstrating the unboxing and initial assembly steps of the Ruitoo T2 Max Electric Scooter.

5. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your scooter:

- **Handlebar Controls:** Includes brake levers, power button, light switch, turn signal controls, and horn button.
- **Smart LED Display:** Shows speed (MPH/KMH), battery level, mode (1, 2, or 3), voltage, trip distance, and odometer. The display angle is adjustable.
- **LED Lighting System:** Bright LED headlight, front and rear turn signals, and a taillight that blinks when brakes are applied. The stem and deck also feature colorful LED lights for enhanced visibility and style.
- **Dual Suspension System:** Located on both front and rear wheels for a smooth and comfortable ride over various terrains.
- **Double Disc Brake System:** Provides reliable and quick stopping power for enhanced safety.
- **10-inch Pneumatic Off-Road Tires:** Offer stability and comfort, suitable for diverse surfaces including snow and mud roads.

Smart LED Display

Adjustable Body



Image 5.1: The Smart LED Display and handlebar controls, detailing functions like turn ON/OFF, horn, acceleration, gear position, headlight symbols, speed display, and battery level.



Image 5.2: Illustration of the Dual Suspension System and Dual Braking System, highlighting their role in improving balance and safety.

6. OPERATING INSTRUCTIONS

1. **Power On/Off:** Insert the key into the ignition. Long press the power button (located under the accelerator) to turn the scooter on/off.
2. **Changing Speed Modes:** Short press the power button once to cycle through the three speed modes (Low, Medium, High). The current mode is displayed on the LED screen.
3. **Activating Lights:** Double-press the power button to turn on/off the colorful LED lights on the stem and deck. The headlight and taillight activate automatically when the scooter is powered on.
4. **Acceleration:** Use the thumb throttle on the right handlebar to accelerate.
5. **Braking:** Squeeze the brake levers on both handlebars to engage the dual disc brake system. The taillight will blink when brakes are applied.
6. **Turn Signals & Horn:** Use the dedicated buttons on the left handlebar for turn signals and the horn.

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Video 6.1: A short video showcasing the smooth and comfortable ride of the Ruitoo T2 Max Electric Scooter, highlighting its performance in various settings.

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Video 6.2: A dynamic video demonstrating the Ruitoo T2 Max Electric Scooter navigating city environments, emphasizing its agility and ease of use.

7. MAINTENANCE

Regular maintenance ensures the longevity and safety of your scooter:

- **Charging:** Use the provided 48V 3A charger. The charger has an LED indicator (red for charging, green for full). Full charge takes 6-7 hours.
- **Cleaning:** Wipe the scooter housing with a soft cloth. Do not use high-pressure water or immerse the scooter in water.
- **Storage:** Store the scooter indoors in a dry place at a suitable temperature (above 0°C). Fully charge the scooter before storing it for long periods.
- **Tire Care:** Regularly check tire pressure and inspect for wear.
- **Brake Inspection:** Periodically check brake pads and discs for wear and proper function.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems:

| Problem | Possible Cause | Solution |
|--------------------------|--|--|
| Scooter does not turn on | Low battery or loose connection | Check battery charge level and ensure all cables are securely connected. Charge the battery if low. |
| Unable to charge | Charger not properly connected or faulty charger/battery | Check if the charger plug is fully inserted. Verify the charger's indicator light is on. Ensure the charger is correctly plugged into the scooter's charging port. If issues persist, contact support. |
| Error Code E003 | Motor or controller issue | Turn off the scooter, wait a few minutes, and restart. If the error persists, contact customer support for diagnosis and repair. |

9. SPECIFICATIONS

| Feature | Detail |
|--------------------|---|
| Brand | Ruitoo |
| Model Name | T2 Max |
| Motor Power | 1000W Peak Brushless Motor |
| Battery | 48V 18.2Ah |
| Max Speed | 31 MPH (50 KM/H) |
| Max Range | 34 Miles (55 KM) |
| Charging Time | 6-7 Hours |
| Weight Limit | 265 Pounds (120 kg) |
| Item Weight | 61 Pounds |
| Product Dimensions | 51"L x 23"W x 52"H |
| Frame Material | Aluminum Alloy and Alloy Steel |
| Wheel Size | 10 Inches |
| Brake System | Double Disc Brake System (DIS Brake) |
| Special Features | Adjustable Handlebar Height, Cruise Control, Digital Display, Dual Braking System, Foldable |

10. WARRANTY AND SUPPORT

The Ruitoo T2 Max Electric Scooter comes with a 1-year limited warranty. For any support inquiries, technical assistance, or warranty claims, please refer to the contact information provided in your purchase documentation or visit the official Ruitoo website.