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› Ruitoo RT6 Electric Scooter User Manual

Ruitoo RT6

Ruitoo RT6 Electric Scooter User Manual

Model: RT6

INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Ruitoo RT6 Electric Scooter. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your scooter. Retain this manual for future reference.



Image: The Ruitoo RT6 Electric Scooter, shown with an optional seat and a detachable storage bag. This image provides an overall view of the product.

SAFETY INFORMATION

Operating an electric scooter carries inherent risks. To minimize these risks, always adhere to the following safety guidelines:

- Always wear a helmet and appropriate protective gear (knee pads, elbow pads) when riding.
- Ensure all components are securely fastened and in good working order before each ride.
- Do not ride under the influence of alcohol or drugs.
- Observe all local traffic laws and regulations.
- Avoid riding in heavy traffic, on slippery surfaces, or in adverse weather conditions.
- Maintain a safe distance from other vehicles and pedestrians.
- The maximum weight capacity for this scooter is 440 pounds (200 kg). Do not exceed this limit.

- **Battery safety:** The battery has passed UL2272 certification and is equipped with a Battery Management System (BMS) for protection. Use only the provided charger.

PACKAGE CONTENTS

Upon unpacking, verify that all items listed below are present and undamaged:

- Ruitoo RT6 Electric Scooter
- Charger
- User Manual
- Scooter Bag
- Seat (optional, if included with your model)
- Toolkit

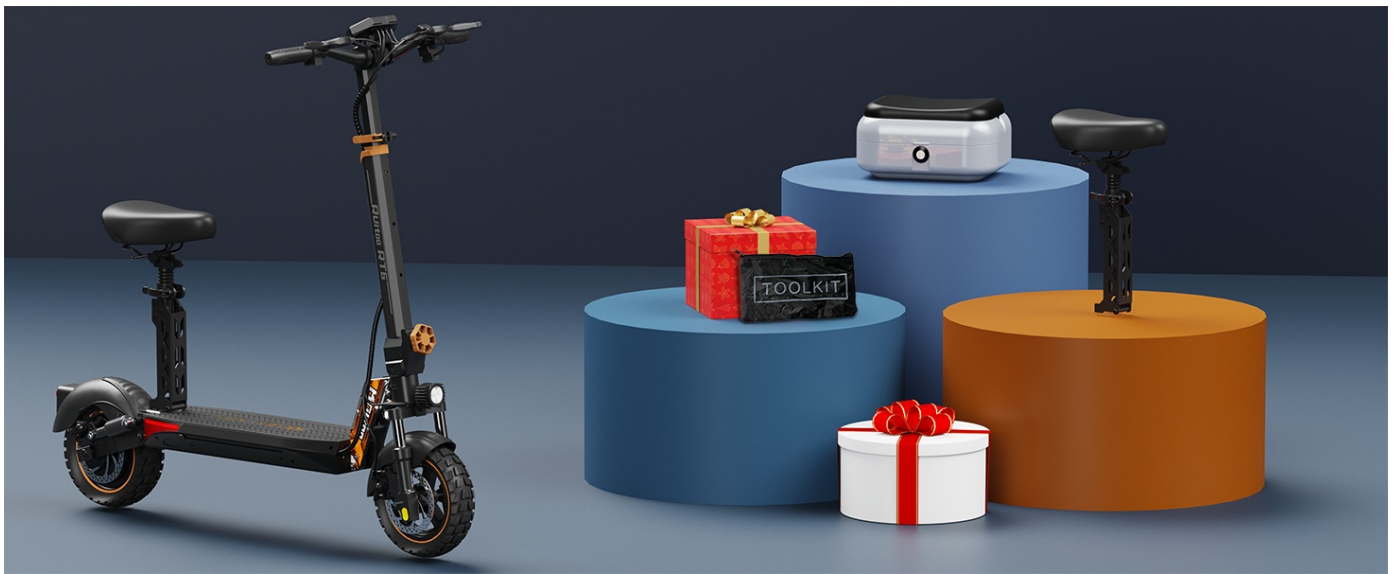


Image: The Ruitoo RT6 Electric Scooter displayed alongside its accessories, including the detachable seat, a storage box, and a toolkit, indicating items typically included in the package.

SETUP AND ASSEMBLY

1. **Unfolding the Scooter:** Carefully lift the handlebar stem until it locks into place. Ensure the folding mechanism is securely engaged.
2. **Attaching the Handlebars:** Insert the handlebars into the stem and tighten any securing clamps or screws as instructed.
3. **Adjusting Handlebar Height:** The scooter features an adjustable height design. Loosen the quick-release clamp on the stem, adjust the handlebars to a comfortable height (47in, 39in, or 36.5in options), and then securely fasten the clamp.
4. **Installing the Seat (if applicable):** If your model includes a seat, attach it to the designated mounting point on the deck and secure it firmly.
5. **Initial Charge:** Before first use, fully charge the scooter's battery. Refer to the "Charging the Battery" section for detailed instructions.
6. **Pre-Ride Check:** Before each ride, inspect tires, brakes, lights, and all fasteners to ensure they are in proper working order.

FOLDABLE DESIGN



Image: The Ruitoo RT6 Electric Scooter folded and placed in a car trunk, demonstrating its compact design for easy transport and storage.



Image: A visual guide demonstrating the easy folding mechanism of the scooter, showing its compact dimensions (47 inches long, 18 inches high) when folded for transport or storage.



Image: This image highlights the adjustable handlebar height feature, showing three scooters set at different heights (47 inches, 39 inches, and 36.5 inches) to accommodate various rider preferences.

OPERATING INSTRUCTIONS

Controls and Display

Familiarize yourself with the scooter's controls and the smart LED display before riding.

SMART LED DISPLAY

Adjustable Body Design



Image: A detailed view of the scooter's handlebars, featuring the smart LED display which shows speed and battery level, along with the power controls and brake levers.

- **Power Button:** Press to turn on/off the scooter.
- **Accelerator:** Use the thumb throttle to control speed.
- **Brake Levers:** Located on both handlebars, these activate the dual disc braking system.
- **Display:** Shows current speed, battery level, and riding mode.
- **Gear Selection:** The 1000W motor offers 3 adjustable gears for varying speeds. Consult the display for current gear selection.

Riding Guidelines

- **Starting:** Place one foot on the deck and push off with the other foot to gain initial momentum, then gently press the accelerator.
- **Speed:** The scooter can reach a maximum speed of 31 mph (50 km/h) under optimal conditions. Adjust speed according to terrain and safety.

- **Braking:** Apply both brake levers smoothly and gradually to slow down or stop. Avoid sudden braking, especially at high speeds.
- **Terrain:** The 10-inch off-road tires provide good traction on various surfaces. The scooter can handle inclines up to 30 degrees.

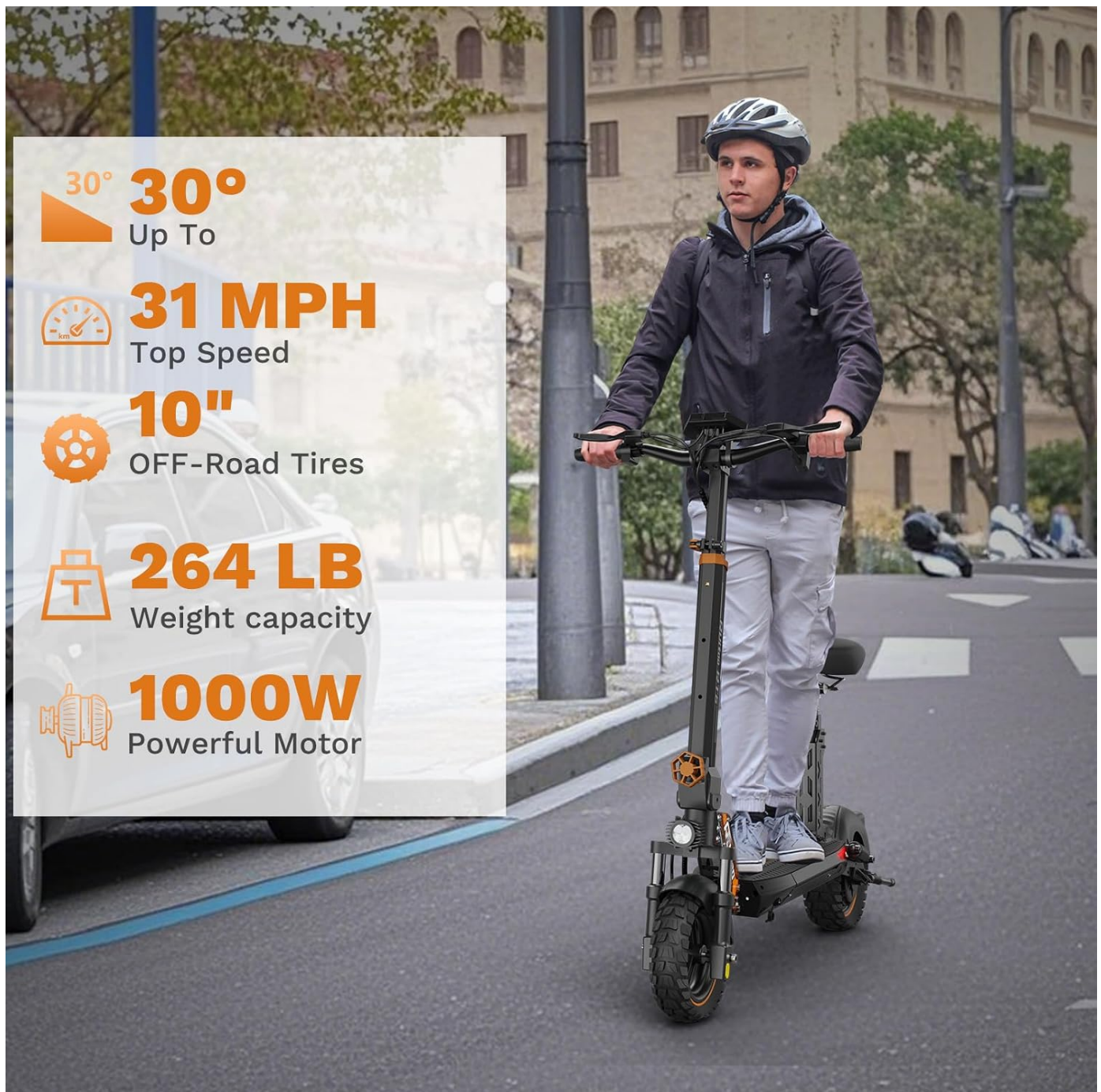


Image: A rider demonstrating the scooter's capabilities on a road, with an infographic highlighting its 30-degree climbing ability, 31 MPH top speed, 10-inch off-road tires, 264 lb weight capacity, and 1000W motor.

Image: A rider navigating the Ruitoo RT6 Electric Scooter on a challenging, rocky off-road path, showcasing the effectiveness of its dual suspension and robust braking system in demanding conditions.



Image: This image illustrates the scooter's ability to climb inclines, showing a rider effortlessly ascending a street with a gradient of up to 30 degrees.

CHARGING THE BATTERY

The Ruitoo RT6 is equipped with a 48V/18.2Ah battery, providing a range of up to 34 miles (55 km) under certain conditions. Proper charging practices are crucial for battery longevity.

- Connect the charger to the scooter's charging port.
- Plug the charger into a standard wall outlet.
- The charger indicator light will typically show red during charging and turn green when fully charged.
- Do not overcharge the battery. Disconnect the charger once the battery is full.
- Charge in a dry, well-ventilated area, away from flammable materials.



Image: An aerial perspective of the scooter, emphasizing its impressive 34-mile maximum range and the robust 48V/18.2AH battery capacity that powers it.



Image: This image showcases the scooter's long-range capability, with a rider on a road and an infographic detailing the 34-mile maximum range and 48V/18.2AH battery capacity, suitable for various road types.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your Ruitoo RT6 Electric Scooter.

- **Cleaning:** Wipe the scooter with a damp cloth. Do not use high-pressure water jets or immerse the scooter in water. The scooter has an IPX4 waterproof rating, meaning it is resistant to splashing water from any direction.
- **Tire Pressure:** Regularly check and maintain the recommended tire pressure for the 10-inch off-road tires.
- **Brakes:** Inspect brake pads and discs for wear. Adjust or replace as necessary.
- **Fasteners:** Periodically check and tighten all screws and bolts.
- **Storage:** Store the scooter in a cool, dry place when not in use. If storing for extended periods, charge the battery to approximately 50-70% and recharge every 1-2 months.



Image: This image demonstrates the scooter's IPX4 waterproof grade, showing a rider navigating through a shallow puddle, indicating resistance to water splashes.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; loose connections; faulty power button.	Charge the battery; check all cable connections; contact support if issue persists.
Reduced range or power	Low battery; tire pressure; riding conditions (hills, heavy load).	Fully charge battery; check tire pressure; adjust riding style.
Brakes not effective	Worn brake pads; loose brake cable; air in hydraulic system.	Inspect and adjust/replace brake pads; tighten cables; seek professional service for hydraulic issues.
Unusual noises	Loose components; debris in wheels; motor issue.	Inspect and tighten all parts; clear any obstructions; contact support if motor noise persists.

SPECIFICATIONS

Feature	Detail
Model	RT6
Motor Power	1000W
Max Speed	Up to 31 mph (50 km/h)
Max Range	Up to 34 miles (55 km)
Battery	48V/18.2Ah (UL2272 certified with BMS)
Tires	Front: 11-inch, Rear: 10-inch Off-Road Explosion-Proof
Braking System	Front and Rear Dual Disc Brake System with ABS
Suspension	Front Hydraulic Suspension + Rear Spring Suspension
Max Climbing Angle	Up to 30°
Max Weight Capacity	440 lbs (200 kg)
Frame Material	Aluminum Alloy Steel
Waterproof Rating	IPX4
Foldable Design	Yes
Item Weight	90 lbs (40.8 kg)
Dimensions (Folded)	Approx. 47 inches (L) x 18 inches (H)



Image: A detailed view of the scooter's powerful 1000W motor, highlighting its 31 MPH top speed and the availability of 3 adjustable gears for varied performance.



Image: A close-up illustrating the scooter's advanced suspension system, featuring a front hydraulic shock absorber and a rear spring shock absorber for a smooth ride.



Image: A detailed shot of the scooter's dual disc brake system on the rear wheel, emphasizing its design for efficient and reliable stopping power.



Image: A visual comparison of the scooter's front 11-inch tire and rear 10-inch tire, highlighting their distinct sizes.

WARRANTY AND SUPPORT

Ruitoo provides a one-year warranty service for its products. If you encounter any product quality or usage problems, please contact customer support.

For assistance, please refer to the contact information provided with your purchase or visit the official Ruitoo website. Your satisfaction is important to us, and we are committed to providing continuous support.

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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.

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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