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## RiderX M548VORG1003

# RiderX Electric Dirt Bike M548VORG1003 User Manual

Model: M548VORG1003 | Brand: RiderX

## 1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your RiderX Electric Dirt Bike M548VORG1003. Please read this manual thoroughly before operating the bike to ensure proper use and to maximize your riding experience.



*Image 1.1: The RiderX Electric Dirt Bike M548VORG1003, showcasing its design and robust build.*

## 2. SAFETY INFORMATION

Operating an electric dirt bike requires caution and adherence to safety guidelines. Failure to follow these instructions may result in injury or damage to the product.

- **Age Requirement:** This electric motorcycle is designed for users aged 13 and above.
- **Weight Limit:** The maximum recommended weight for the rider is 289 pounds (131 kg).
- **Protective Gear:** Always wear appropriate safety gear, including a helmet, eye protection, gloves, and sturdy footwear, when operating the dirt bike.
- **Pre-Ride Check:** Before each ride, inspect the brakes, tires, battery level, and all connections to ensure they are secure and functioning correctly.
- **Terrain Awareness:** Be mindful of the terrain and your riding capabilities. Avoid riding on public roads unless legally permitted and equipped for such use.
- **Weather Conditions:** Exercise caution in wet or slippery conditions. While the bike has IP67 protection for the controller and IPX6 for the battery, extreme conditions can still affect handling.



*Image 2.1: A rider demonstrating the bike's capability on challenging, rocky terrain, highlighting the need for protective gear and careful operation.*

### **3. PACKAGE CONTENTS**

Your RiderX Electric Dirt Bike package includes the following items:

- RiderX Electric Dirt Bike (90% pre-assembled)
- 48V/23.5Ah Removable Battery
- Fast Charger
- Tool Kit for assembly
- User Manual (this document)

*Note: You may receive the product in two separate packages, one containing the main bike components and another for the charger or specific accessories.*

### **4. ASSEMBLY INSTRUCTIONS**

Your RiderX Electric Dirt Bike arrives approximately 90% pre-assembled. The following steps detail the final assembly required:

1. **Attach Handlebars:** Securely fasten the handlebars to the steering column using the provided bolts and tools from the kit. Ensure they are centered and tightened to prevent movement during operation.
2. **Install Front Wheel:** Mount the front wheel into the fork. Align the brake disc with the caliper and secure the axle. Double-check that all fasteners are tight.
3. **Connect Rear Shock:** If not already connected, attach the rear shock absorber according to the diagrams in the included quick-start guide. Ensure all mounting points are secure.
4. **Battery Installation:** Insert the removable battery into its designated compartment. Ensure it clicks into place and is securely connected.
5. **Final Inspection:** Before the first ride, perform a thorough check of all assembled parts, ensuring all bolts are tightened, brakes are functional, and tires are properly inflated.

## 5. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your RiderX Electric Dirt Bike:

- **3000W Brushless Mid-drive Motor:** Delivers 220Nm of torque for powerful acceleration and climbing capabilities.
- **48V/23.5Ah Removable Battery:** High-density battery with BMS protection, offering up to 48 miles of range.
- **Dual Hydraulic Brakes:** Front and rear hydraulic disc brakes provide reliable stopping power.
- **Full Suspension System:** Features hydraulic coil sprung inverted forks at the front and rear air suspension for a smooth ride over varied terrain.
- **Multifunctional LCD Display:** Shows real-time speed, battery level, gear mode, and mileage.
- **All-Terrain Fat Tires:** 14-inch front and 12-inch rear tires with progressive knob spacing and a cut-resistant design for diverse environments.
- **Reinforced Carbon Steel Frame:** Provides durability and supports a maximum load of 289 lbs.



Image 5.1: Detailed view of the 3000W Brushless Mid-drive Motor, highlighting its power output.



Image 5.2: Illustration of the 48V 23.5Ah removable battery, emphasizing its long-lasting capacity and waterproof design.



Image 5.3: Close-up of the dual hydraulic disc brakes, essential for responsive and safe stopping.





- **Water Resistance:** The battery case has an IPX6 waterproof rating, allowing it to withstand splashes and light rain. Avoid submerging the battery or exposing it to high-pressure water jets.

## 8. MAINTENANCE

Regular maintenance is crucial for the safety and performance of your electric dirt bike:

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Brake Inspection:** Periodically check brake pads for wear and brake fluid levels. Ensure brake levers operate smoothly and provide firm stopping power.
- **Tire Pressure:** Maintain recommended tire pressure for optimal handling and tire longevity. Refer to the tire sidewall for specific pressure ranges.
- **Fastener Check:** Regularly inspect all bolts and fasteners, especially on the wheels, handlebars, and suspension, to ensure they are tight.
- **Chain Maintenance:** Keep the drive chain clean and properly lubricated. Adjust chain tension as needed.

## 9. TROUBLESHOOTING

This section addresses common issues you might encounter:

| Problem                           | Possible Cause  | Solution  |
|-----------------------------------|---|---|
| Bike does not power on            | Low battery; Loose battery connection; Faulty power switch                              | Charge the battery; Ensure battery is securely seated; Contact support if switch is faulty.           |
| Reduced range or power            | Under-inflated tires; Battery degradation; Riding conditions (steep slopes, heavy load) | Check tire pressure; Ensure battery is fully charged; Adjust riding style.                            |
| Brakes feel spongy or ineffective | Air in hydraulic lines; Worn brake pads; Low brake fluid                                | Have brakes inspected and bled by a qualified technician; Replace worn pads; Check fluid level.       |
| Unusual noises during operation   | Loose components; Chain issues; Motor or bearing problem                                | Inspect all fasteners; Check chain tension and lubrication; Contact support for motor/bearing issues. |

If you encounter issues not listed here or require further assistance, please contact RiderX customer support.

## 10. SPECIFICATIONS

Key technical specifications for the RiderX Electric Dirt Bike M548VORG1003:

| Feature     | Specification                   |
|-------------|---------------------------------|
| Model Name  | Electric Dirt Bike Adults teens |
| Part Number | M548VORG1003                    |

| Feature                       | Specification  |
|-------------------------------|--|
| Bike Type                     | Dirt bike, Mountain Bike   |
| Motor                         | 3000W Brushless Mid-drive (220Nm Torque)                         |
| Max Speed                     | 38 MPH   |
| Battery                       | 48V/23.5Ah (1128 Watt Hours)                                     |
| Max Range                     | Up to 48 miles (varies by conditions)                            |
| Charging Time                 | 4-5 hours  |
| Frame Material                | Reinforced Carbon Steel  |
| Suspension Type               | Dual (Hydraulic Coil Sprung Inverted Forks, Rear Air Suspension) |
| Brake Style                   | Dual Hydraulic Disc  |
| Wheel Size                    | 14 Inches (front), 12 Inches (rear)                              |
| Number of Speeds              | 3  |
| Item Weight                   | 127.87 Pounds  |
| Maximum Weight Recommendation | 289 Pounds   |
| Minimum User Height           | 55 Inches  |
| Item Dimensions (LxWxH)       | 59.84 x 27.01 x 36.81 inches                                     |
| Controller Protection         | Military-Grade IP67  |
| Battery Waterproof Rating     | IPX6   |



Image 10.1: Visual representation of the RiderX Electric Dirt Bike's dimensions, weight, and maximum load capacity.

## 11. WARRANTY AND SUPPORT

RiderX stands behind the quality of its products. Your Electric Dirt Bike M548VORG1003 comes with the following warranty:

- **Motor and Battery:** 1-year warranty
- **Frame:** 2-year warranty

To ensure the best after-sales service, please retain your original packaging and proof of purchase.  
For any issues, technical support, or warranty claims, please contact our support team:

**Email:** [OfficialGoldfish01@outlook](mailto:OfficialGoldfish01@outlook)

Our team guarantees an 8-hour response time for any inquiries.