Riuiio RUH14

Riuiio 14-inch Foldable Electric Bike User Manual

Model: RUH14

Your guide to safe and efficient operation of your Riuiio Electric Bike.

1. Introduction

Thank you for choosing the Riuiio 14-inch Foldable Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your electric bicycle. Please read this manual thoroughly before your first ride and retain it for future reference.
This electric bike features a 500W motor with 750W peak output, a 48V 5.2Ah removable battery, and three versatile riding modes. Its compact, foldable design and dual suspension are engineered for convenient urban commuting and recreational use.

2. Safety Information

WARNING: Always wear a helmet when riding your electric bike. Obey all local traffic laws and regulations.

- **UL 2849 Safety Standard:** The electrical system of this electric bike has been tested to UL 2849 safety standards for your assurance.
- **Pre-Ride Check:** Before each ride, inspect the brakes, tires, battery level, and ensure all quick releases and fasteners are secure.
- **Visibility:** Use the integrated LED headlight and taillight, especially during low-light conditions. Consider wearing reflective clothing.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 265 pounds (120 kg).
- **Weather Conditions:** Exercise caution when riding in wet conditions. The bike has IP54 water resistance for everyday splashes, but it is not designed for submersion or heavy rain.
- **Braking:** Familiarize yourself with the electronic and rear disc braking system. Test brakes at low speed before riding.

3. Setup and Assembly

Your Riuiio electric bike comes mostly pre-assembled. Follow these steps for final setup:

1. **Unpacking:** Carefully remove the bike from its packaging. Retain packaging for future transport or storage.
2. **Unfolding the Bike:**
   - Locate the folding latch on the frame and handlebar stem.
   - Release the latches and carefully unfold the frame and handlebar until they lock into place. Ensure all safety clamps are securely fastened.
3. **Handlebar Adjustment:** Adjust the handlebar height to a comfortable position and secure the quick-release lever.
4. **Seat Post Installation and Adjustment:** Insert the seat post into the frame. Adjust the seat height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure the quick-release lever firmly.
5. **Battery Installation/Removal and Charging:**



Figure 3.1: The removable 48V battery being unlocked and lifted from its compartment on the bike frame. The image highlights the keyhole for unlocking the battery before removal or installation. Charging time is approximately 4-6 hours.

- To install, slide the battery into its compartment until it clicks into place. Use the key to lock it securely.
- To remove, unlock the battery with the key and gently pull it out.

- Connect the charger to the battery charging port (either on or off the bike) and then to a power outlet. The indicator light on the charger will show charging status. Charge fully before first use (approximately 4-6 hours).

6. **Tire Inflation:** Inflate tires to the recommended pressure indicated on the tire sidewall.

4. Operating Instructions

Familiarize yourself with the controls and riding modes before operating the bike.

4.1 Powering On/Off and Display Functions



Figure 4.1: The intelligent digital display provides real-time information and control over the bike's functions.

1. **Power On/Off:** Press the power button (usually marked with a power symbol) for 2 seconds to turn the bike on or off.
2. **Lights Control:** Press the menu button once to turn the LED headlight and taillight on or off.
3. **Adjust Speed Gear:** Press the power button once to cycle through different speed assist levels.

4. **Switch Speed Unit:** Press the power button three times to switch the speed unit between MPH and KM/H.

4.2 Riding Modes



Figure 4.2: The Riuiio electric bike offers three distinct riding modes to suit various preferences and conditions.

- **Electric Mode (Throttle):** Engage the throttle for fully electric propulsion without pedaling. This mode is ideal for effortless cruising.
- **Pedal Assist Mode:** The motor provides assistance as you pedal, making riding easier, especially on inclines or for longer distances. Adjust the assist level via the display.
- **Manual Mode:** Ride the bike like a traditional bicycle, using only pedal power. The motor remains off in this mode.

4.3 Braking System



Figure 4.3: The front dual suspension and electronic + disc braking system provide responsive stopping control and a smoother ride.
The bike is equipped with both electronic braking and a rear disc brake for reliable stopping power. Apply both brakes simultaneously for optimal control and shorter stopping distances. Test your brakes regularly.

4.4 Riding Comfort

The adjustable seat and front dual suspension are designed to enhance your riding experience by absorbing vibrations from uneven surfaces. Adjust the seat height for ergonomic pedaling and comfort.



Figure 4.4: The front suspension system helps reduce road vibrations, contributing to a smoother ride. The bike also features IP54 water resistance for protection against everyday splashes.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your electric bike.

- **Battery Care:**
  - Charge the battery regularly, even if not in use, to maintain its health.
  - Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
  - Avoid fully discharging the battery frequently.
- **Tires:** Check tire pressure before each ride. Maintain pressure within the recommended range (usually found on the tire sidewall). Inspect tires for wear, cuts, or punctures.
- **Brakes:** Regularly check brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.

- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components. Do not submerge the bike in water.
- **Fasteners:** Periodically check and tighten all bolts, nuts, and quick-release levers.
- **Lubrication:** Lubricate the chain regularly with appropriate bicycle chain lubricant.

6. Troubleshooting

This section addresses common issues you might encounter with your Riuiio electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly installed; loose electrical connection.	Ensure battery is fully charged and securely locked in place. Check all visible cable connections.
Motor not assisting	Battery low; pedal assist level set to zero; brake lever engaged.	Charge battery. Increase pedal assist level on the display. Ensure brake levers are fully released.
Brakes feel weak	Worn brake pads; loose brake cable; air in hydraulic system (if applicable).	Inspect brake pads and replace if worn. Adjust brake cable tension. If issue persists, consult a professional.
Unusual noises during ride	Loose components; dry chain; tire rubbing.	Check all fasteners. Lubricate chain. Inspect tire clearance.

If you encounter an issue not listed here or cannot resolve a problem, please contact customer support.

7. Specifications



Figure 7.1: Key dimensions of the Riuiio 14-inch Foldable Electric Bike.

Feature	Detail
Model Number	RUH14
Bike Type	Folding Electric Bike
Motor	500W Brushless (750W Peak Output)
Max Speed	20 MPH
Battery	48V 5.2Ah (249.6Wh) Removable Lithium Battery
Range per Charge	Approx. 20-30 miles
Charging Time	4-6 hours
Riding Modes	Electric, Pedal Assist, Manual

Feature	Detail
Wheel Size	14 inches
Tires	14 x 2.5 inch Pneumatic Rubber
Suspension	Front Dual Suspension
Brakes	Electronic Brake + Rear Disc Brake
Frame Material	Aluminum
Max Load	265 pounds (120 kg)
Item Weight	48 pounds (21.8 kg)
Water Resistance	IP54 (Splash Resistant)
Safety Certification	UL 2849 (Electrical System)

8. Warranty Information

The Riuiio 14-inch Foldable Electric Bike comes with a**one-year limited warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use.
The warranty does not cover:

- Normal wear and tear.
- Damage caused by improper assembly, maintenance, or storage.
- Damage resulting from accidents, misuse, neglect, or unauthorized modifications.
- Consumable parts such as tires, brake pads, and chains, unless the damage is due to a manufacturing defect.

Please retain your proof of purchase for warranty claims.

9. Customer Support

For assistance with assembly, operation, maintenance, troubleshooting, or warranty claims, please contact Riuiio customer service. We offer lifetime customer service to ensure your satisfaction.
Please refer to the contact information provided with your purchase or visit the official Riuiio website for support details.

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