Ridstar Q20 Lite

Ridstar Q20 Lite Electric Bike User Manual

Model: Q20 Lite - 1000W 48V 15.6AH

1. Setup and Assembly

Before your first ride, please ensure all components are correctly assembled and secured. Refer to the detailed assembly video provided by the seller for visual guidance.

Your browser does not support the video tag.

Video 1.1: RidStar Q20 Lite Electric Bike Unboxing & Assembly. This video provides a step-by-step guide for unpacking and assembling your new electric bike, including handlebar, wheel, and fender installation.

1.1 Unboxing and Initial Inspection

Carefully remove the bike and all accessories from the packaging. Inspect for any visible damage during transit. Ensure all parts listed in the manual are present.

1.2 Handlebar Installation

Attach the handlebars to the stem and tighten the screws securely using the provided multi-tool. Ensure the handlebars are centered and aligned for comfortable riding.

1.3 Front Wheel Installation

Unscrew the quick release mechanism and separate the screw. Insert the axle into the front fork dropouts, ensuring the disc brake rotor is correctly seated within the caliper. Tighten the quick release securely.

1.4 Fender Installation

Align the front wheel fender with the designated position on the fork. Secure it using the provided screws and nuts. Ensure it is firmly attached to prevent movement during rides.

1.5 Headlight Installation

Mount the headlight to the front fork using the provided brackets, screws, and nuts. Connect the headlight cable to the corresponding port on the bike's wiring harness. Ensure connections are secure.

1.6 Pedal Installation

Identify the left (L) and right (R) pedals. Screw the pedals into the crank arms. The right pedal tightens clockwise, and the

left pedal tightens counter-clockwise. Use a wrench to ensure they are firmly secured.

1.7 Battery Installation

Insert the 48V 15.6AH removable battery into its designated slot on the bike frame. Use the key to lock the battery in place. Press the power switch on the battery to activate the e-bike's electrical system.

2. Operating Instructions

2.1 Powering On/Off

Turn the key on the right handlebar clockwise to activate the bike's main power. Press the 'M' button below the speed buttons on the left handlebar to illuminate the LCD display. To power off, turn the key counter-clockwise.

2.2 LCD Display Functions

The 5-level LCD display provides real-time information including current speed, battery level, pedal assist level (PAS), odometer, and trip distance. Use the '+' and '-' buttons to adjust the pedal assist level.



Image 2.1: Key features including the LCD display, front and rear shock absorption, super bright headlight, and dual disc brakes.

2.3 Riding Modes

The Ridstar Q20 Lite offers three riding modes:

- **Bike Mode:** Power off, normal biking by just pedaling.
- **Assisted Riding (PAS):** Power on with pedal assist, no throttle needed. Provides up to 35 miles of range.
- **Throttle Mode:** Pure electric power using the throttle, no pedaling required. Provides up to 25 miles of range.



Image 2.2: Visual representation of the three available riding modes and their typical ranges.

2.4 USB Charging Port

The bike features a phone holder with an integrated USB charging port. You can use the bike's battery to charge your mobile devices while riding or when stationary.

3. Maintenance

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

3.1 Tire Pressure

Maintain proper tire pressure for optimal performance and safety. The 20" x 4.0" fat tires are designed for various terrains. Refer to the tire sidewall for recommended pressure (PSI).



Image 3.1: The 20" x 4.0" wear-resistant fat tires are designed to adapt to all terrains.

3.2 Brake System Check

Regularly inspect the front and rear disc brakes for wear and proper function. Ensure brake pads are not excessively worn and that the brake levers provide firm and responsive stopping power.

3.3 Battery Care

Charge the 48V 15.6AH removable battery using the provided charger. A full charge typically takes 4-6 hours. Avoid

completely draining the battery and store it in a cool, dry place when not in use.

3.4 General Cleaning

Clean the bike regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical components. Lubricate the chain periodically to ensure smooth operation.

4. Troubleshooting

This section addresses common issues you might encounter with your Ridstar Q20 Lite electric bike.

4.1 Bike Not Powering On

- Ensure the battery is fully charged and properly seated in the frame.
- Verify the battery switch is turned on (key twisted clockwise).
- Check all cable connections, especially those leading to the display and motor.

4.2 Motor Not Engaging

- Confirm the pedal assist level on the LCD display is set above '0'.
- If using throttle mode, ensure the throttle is fully engaged and the battery has sufficient charge.
- Check for any error codes on the LCD display and consult the full user manual for their meaning.

4.3 Brake Rubbing/Squeaking

- Inspect the brake calipers and rotor for proper alignment. Minor adjustments may be needed to prevent rubbing.
- Clean the brake rotor and pads to remove any dirt or debris that may cause squeaking.
- If issues persist, professional adjustment may be required.

5. Specifications

Feature	Specification
Bike Type	Electric Bike
Model Name	Q20 Lite
Motor Wattage	1000 watts
Battery	48V 15.6AH Removable Lithium Battery
Top Speed	25 MPH (Throttle)
Max Range (Pedal Assist)	Up to 35 miles
Max Range (Electric Power)	Up to 25 miles

Wheel Size	20 Inches (4.0" Fat Tire)
Frame Material	High Carbon Steel
Suspension Type	Dual (Front & Rear Shock Absorption)
Brake Style	Disc (Front & Rear Disc Brakes)
Number of Speeds	7 (Shamano 7-Speed)
Max Load Capacity	300 lbs
Item Weight	66 Pounds
Minimum User Height	64 Inches
Special Features	Digital Display, Taillight, Odometer, Headlight, Rechargeable, Dual Disc Brake, USB Charging Port, Phone Holder

6. Warranty and Support

The Ridstar Q20 Lite Electric Bike comes with a**One Year Warranty** from the manufacturer. Please retain your proof of purchase for warranty claims.

For customer support, technical assistance, or warranty inquiries, please contact the seller directly through the platform where you purchased the product. Ensure you purchase from an authorized store to guarantee warranty coverage.

Note: Any price lower than $829 is unauthorized. If you purchase from an unauthorized store, Ridstar will not recognize the product and will not provide warranty coverage.

Ask a question about this manual

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.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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