

Jasion Roamer/ST

Jasion Roamer/ST Electric Bike User Manual

Model: Roamer/ST

1. SAFETY INFORMATION

Before operating your Jasion Roamer/ST Electric Bike, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or property damage.

- **UL2849 Certification:** This electric bike is UL2849 certified, ensuring its entire electrical system meets U.S. safety standards. The battery pack is UL2271 certified, and individual cells are UN38.3 compliant.
- **Protective Gear:** Always wear a helmet and appropriate safety gear when riding.
- **Brake System:** The bike is equipped with front and rear mechanical disc brakes. Regularly inspect brakes for proper function and wear.
- **Lighting:** Utilize the integrated powerful lighting system, including a front light, rear tail light, brake light, and turn signals, especially during low-light conditions or at night.
- **Weather Conditions:** Avoid riding in extreme weather conditions. The battery has an IPX-6 waterproof rating, but prolonged exposure to heavy rain or submersion should be avoided.
- **Weight Limit:** Do not exceed the maximum load capacity of 300 lbs (136 kg).
- **Pre-Ride Check:** Always perform a pre-ride inspection, checking tire pressure, brake functionality, and ensuring all fasteners are secure.

2. SETUP AND ASSEMBLY

Your Jasion Roamer/ST Electric Bike arrives 80% pre-assembled. Follow these steps for final assembly and initial preparation.

2.1 Unpacking and Initial Inspection

- Carefully remove the bike and all components from the packaging.
- Inspect for any visible damage during shipping. Contact customer support immediately if damage is found.

2.2 Final Assembly Steps

Refer to the detailed instructions provided in the box for specific assembly steps. Key areas include:

- **Handlebar Installation:** Securely attach and align the handlebars.
- **Front Wheel Installation:** Install the front wheel and ensure the quick-release skewer is properly tightened.
- **Pedal Attachment:** Attach the pedals, noting that the left and right pedals are distinct (usually marked L and R).
- **Seat Post Insertion:** Insert the seat post and adjust the seat height for comfortable riding.
- **Fender and Rack Installation:** Attach any included fenders and the rear rack.

2.3 Battery Installation and Initial Charge

The bike is equipped with a 48V 11Ah (528Wh) removable battery.

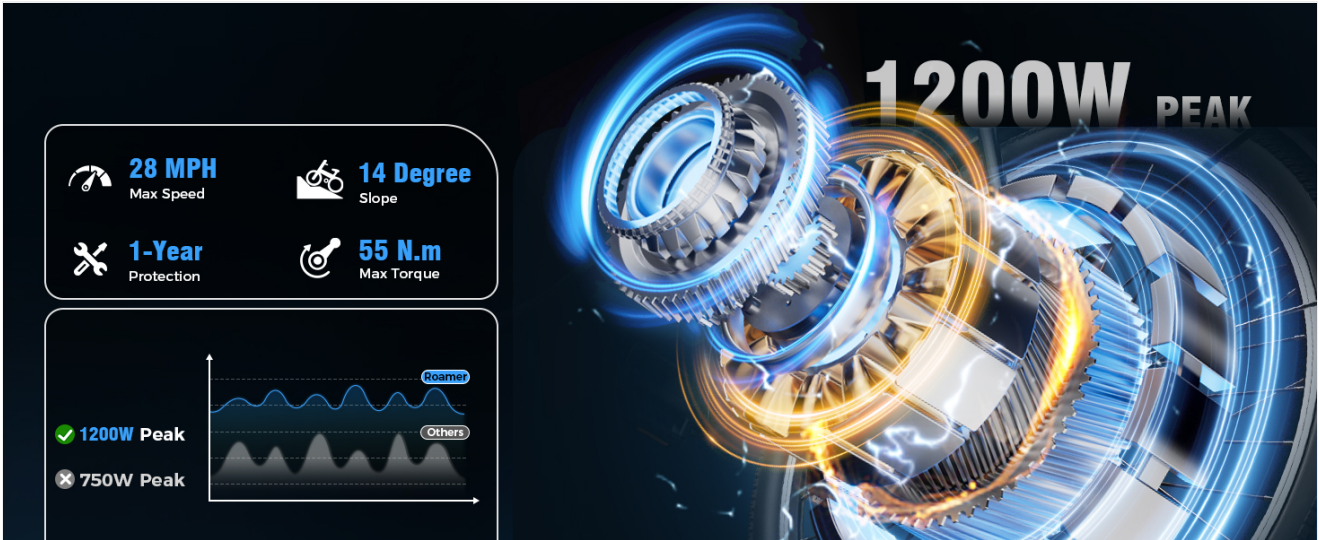


Image: The removable 528Wh battery being inserted into the Jasion Roamer/ST frame, emphasizing its waterproof and secure design.

- **Installation:** Slide the battery into its designated slot in the frame until it clicks securely into place. Use the key to lock the battery to the frame to prevent theft.
- **Charging:** For the first ride, fully charge the battery. Connect the charger to the battery charging port and then to a power outlet. The indicator on the charger will show charging status. A full charge typically takes 6-7 hours.

3. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and features of your Jasion Roamer/ST Electric Bike for an optimal riding experience.

3.1 Powering On/Off and LCD Display

Sensitive Dual Disc Brakes

Sensitive front and rear brakes provide fast and stable braking in all road conditions

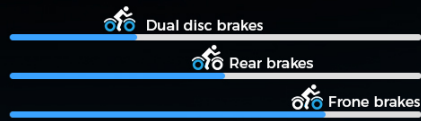


Image: The smart LCD display and handlebar controls of the Jasion Roamer/ST electric bike.

- **Power On:** Press and hold the power button on the LCD display.
- **Power Off:** Press and hold the power button again.
- **LCD Display:** The intuitive LCD display shows current speed, battery charge level, pedal assist (PAS) level, and trip distance. Use the control buttons to cycle through information or adjust settings.

3.2 Riding Modes and Gear Shifting

- **Pure Electric Mode:** Use the thumb throttle for propulsion without pedaling.
- **Electric Assist Mode (PAS):** Pedal normally, and the motor will provide assistance based on the selected PAS level. Adjust the PAS level using the display controls.
- **Pure Pedal Mode:** Ride the bike like a traditional bicycle with no motor assistance.
- **7-Speed Gears:** Use the 7-speed shifter on the handlebars to change gears, adapting to different terrains and riding intensities.

3.3 Lighting System



Light the Way, Ride in Splendor

Roamer is equipped with bright headlights, taillights, and highly visible turn signals to alert vehicles behind you when turning, enhancing overall safety.

Image: The Jasion Roamer/ST electric bike's comprehensive lighting system, including headlight, brake light, and turn signals.

- **Headlight:** Activate the front light using the dedicated button on the handlebars.
- **Tail Light & Brake Light:** The rear tail light illuminates when the bike is on. The brake light activates automatically when brakes are applied.
- **Turn Signals:** Use the turn signal buttons on the handlebars to indicate turns to other road users.

3.4 Suspension and Seating



Image: The lockable front fork suspension of the Jasion Roamer/ST electric bike, designed for various terrains.

- **Front Suspension:** The bike features a high-strength front fork suspension with 80mm travel to absorb bumps. It includes a lockout feature for riding on smooth surfaces.
- **Adjustable Seat:** The seat height can be adjusted to fit riders between 5'4" and 6'4" for optimal comfort and pedaling efficiency.

4. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Jasion Roamer/ST Electric Bike.

4.1 Battery Care

- **Charging:** Charge the battery regularly, even if not in use, to maintain its health. Avoid completely draining the battery.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, charge it to 50-70% every 1-2 months.
- **Waterproofing:** While the battery is IPX-6 waterproof, avoid high-pressure washing directly on the battery compartment.

4.2 Brakes and Tires

- **Brake Inspection:** Check brake levers for proper tension and ensure brake pads are not excessively worn. Adjust or replace as needed.
- **Tire Pressure:** Maintain recommended tire pressure (usually indicated on the tire sidewall) for optimal performance and safety.

4.3 Drivetrain and General Cleaning

- **Chain Lubrication:** Keep the chain clean and lubricated for smooth gear changes and to prevent wear.
- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical components.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Jasion Roamer/ST Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely locked in place. Check connections.
Motor not providing assistance.	PAS level set to 0, or a sensor issue.	Increase PAS level on the display. Check for any error codes on the LCD.
Brakes feel weak or spongy.	Brake pads worn, cable tension loose, or air in hydraulic system (if applicable).	Inspect brake pads and replace if necessary. Adjust brake cable tension. If issue persists, consult a bike mechanic.
Unusual noises during riding.	Loose components, dry chain, or rubbing parts.	Check all bolts and fasteners. Lubricate the chain. Inspect for any parts rubbing against the frame or wheels.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact Jasion customer support for assistance.

6. SPECIFICATIONS

Detailed technical specifications for the Jasion Roamer/ST Electric Bike.



Image: Jasion Roamer/ST electric bike with its dimensions and performance specifications.

- **Model Name:** Roamer/ST
- **Bike Type:** Electric Commuter Bike
- **Motor:** 750W (1200W Peak) Brushless Motor
- **Max Speed:** Up to 28 MPH (45 km/h)
- **Battery:** 48V 11Ah (528Wh) Removable Lithium-ion
- **Range:** 40-62 miles (64-100 km) depending on assist level and terrain
- **Charging Time:** 6-7 hours
- **Frame Material:** High Carbon Steel
- **Suspension:** Front Fork Suspension with Lockout (80mm travel)
- **Brakes:** Front and Rear Mechanical Disc Brakes
- **Gears:** 7-Speed Gear System

- **Tire Size:** 26 inches
- **Ebike Weight:** Approximately 65 lbs (29.5 kg)
- **Load Capacity:** Max 300 lbs (136 kg)
- **Recommended Rider Height:** 5'4" - 6'4" (163 cm - 193 cm)
- **Certifications:** UL2849 (whole system), UL2271 (battery pack), UN38.3 (individual cells)

7. WARRANTY AND SUPPORT

Jasion is committed to providing quality products and support for your electric bike.

7.1 Warranty Information

- **Coverage:** A 12-month warranty is provided for the motor, battery, and controller from the date of purchase.
- **Exclusions:** The warranty does not cover normal wear and tear, damage from misuse, accidents, unauthorized modifications, or failure to perform regular maintenance.
- **Claim Process:** For warranty claims, please retain your proof of purchase and contact Jasion customer support.

7.2 Technical Support

Jasion offers lifetime technical support for your Roamer/ST Electric Bike.

- For technical assistance, troubleshooting, or general inquiries, please visit the official Jasion website or refer to the contact information provided with your purchase.