

## Jasion Roamer/ST

# Jasion Roamer/ST Electric Bike User Manual

Model: Roamer/ST

[Introduction](#)

[Safety Guidelines](#)

[Components](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and care of your Jasion Roamer/ST Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference. Proper understanding of your e-bike's features and functions will ensure a safe and enjoyable riding experience.

## 2. SAFETY GUIDELINES

Your Jasion Roamer/ST Electric Bike is designed with safety in mind and is UL2849 certified, ensuring its full electrical system meets U.S. safety standards. Always prioritize safety when riding.

### General Safety Precautions:

- Always wear a helmet that meets safety standards.
- Obey all local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.

## Braking System:

The bike is equipped with front and rear mechanical disc brakes, providing reliable stopping power. Ensure brakes are properly adjusted and functioning before each ride.

## Lighting System:

The Roamer/ST e-bike features a comprehensive lighting system for enhanced visibility and safety, including:

- **Front Headlight:** Illuminates the path ahead.
- **Rear Taillight:** Increases visibility from behind.
- **Brake Light:** Activates when brakes are applied, signaling deceleration.
- **Left and Right Turn Signals:** Activated via handlebar controls to indicate turning intentions.

# Smart LCD Display

# 28 MPH



Light&Speed Control



7-Gear shifter

Thumb throttle

Image: The Jasion Roamer/ST Electric Bike in use, demonstrating the integrated safety lighting system including the front headlight, rear brake light, and turn signals for improved rider visibility.

### 3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Jasion Roamer/ST Electric Bike.



Image: A complete view of the Jasion Roamer/ST Electric Bike, showcasing its overall design and key features such as the frame, wheels, and seat.

### Key Components:

- **Frame:** High Carbon Steel, step-over design.
- **Motor:** 750W (1200W peak) brushless motor.
- **Battery:** 48V 11Ah (528Wh) removable, lockable, IPX-6 waterproof.
- **Display:** Intuitive LCD display for speed, battery, PAS level, distance.
- **Gears:** 7-speed gear system.
- **Brakes:** Front and rear mechanical disc brakes.
- **Suspension:** Front suspension fork with 80mm travel.
- **Lighting:** Front light, rear taillight, brake light, turn signals.
- **Fenders:** Front and rear fenders for protection.
- **Crank Protection:** Integrated protection for the crankset.
- **Adjustable Seat:** For rider comfort.

# Comprehensive & Detailed Design



Image: A close-up diagram illustrating various components of the Jasion Roamer/ST Electric Bike, such as the Shimano transmission, adjustable seat, sturdy fenders, crank protection, and the 7-speed gear system.

## 4. SETUP AND INITIAL ASSEMBLY

Your Jasion Roamer/ST Electric Bike arrives 80% pre-assembled. Follow these general steps for final assembly. Refer to the detailed instructions included in your packaging for specific guidance.

### Assembly Steps:

1. **Unpacking:** Carefully remove all components from the packaging.

2. **Handlebar Installation:** Attach and secure the handlebar to the stem. Ensure all bolts are tightened to the manufacturer's specifications.
3. **Front Wheel Installation:** Install the front wheel, ensuring it is centered and the quick-release or axle nuts are securely fastened.
4. **Pedal Installation:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and thread in opposite directions.
5. **Seat Post and Saddle:** Insert the seat post with the saddle attached into the frame. Adjust the height for comfortable riding and secure it with the quick-release lever.
6. **Battery Insertion:** Insert the fully charged battery into its compartment and lock it securely with the provided key.
7. **Pre-Ride Check:** Before your first ride, perform a thorough check of all connections, brakes, tires, and lights.

## 5. OPERATING YOUR ELECTRIC BIKE

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### Powering On/Off:

To power on the bike, press and hold the power button on the LCD display. Repeat to power off.

### LCD Display:

The intuitive LCD display provides real-time information about your ride:

- **Speed:** Current riding speed.
- **Battery Charge:** Remaining battery level.
- **Pedal Assist Level (PAS):** Current assist level (0-5).
- **Travel Distance:** Trip distance and total odometer.
- **Lighting Indicator:** Shows when lights are active.
- **Fault Alert:** Displays error codes if issues arise.

# Powerful & Efficient Motor

# 1200W



**1200W** Peak  
Brushless Motor



**28** MPH  
Max Speed



**55** N.M  
Torque

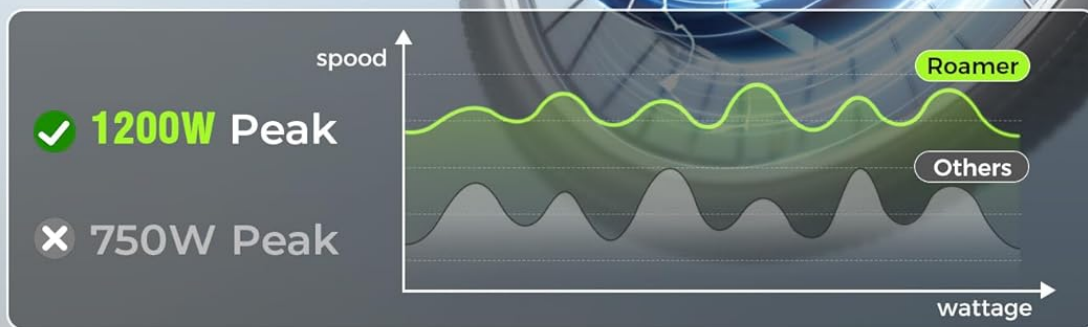


Image: The Jason Roamer/ST Electric Bike's LCD display and handlebar controls, detailing the speed, battery charge, pedal assist level, and the 7-gear shifter and thumb throttle for various riding modes.

## Cycling Modes:

The Jason Roamer/ST offers three distinct cycling modes:

- **Pure Electric Mode:** Engages the motor without pedaling, controlled by the thumb throttle.
- **Electric Assist Mode (PAS):** Provides motor assistance as you pedal. Adjust the assist level (1-5) using the display controls.
- **Pure Pedal Mode:** Functions as a traditional bicycle with no motor assistance.

## 7-Speed Gear System:

Utilize the 7-speed gear shifter to adapt to different terrains and riding conditions, optimizing your pedaling effort and motor assistance.

## Maximum Speed:

The Jasion Roamer/ST Electric Bike can reach a maximum speed of 28 MPH, depending on rider weight, terrain, and assist level.

## 6. BATTERY INFORMATION

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Your e-bike is equipped with a high-capacity 48V 11Ah (528Wh) removable battery, designed for extended range and security.

### Battery Features:

- **Capacity:** 528Wh, providing a range of 45-60 miles on a single charge in pure electric mode.
- **Removable & Lockable:** The battery can be easily removed for charging or storage and is secured to the frame with a key to prevent theft.
- **Waterproof:** Features an IPX-6 waterproof rating for protection against splashes and rain.
- **Certifications:** UL2271 certified for the battery pack and UN38.3 for individual cells, ensuring high safety standards.

# More Miles, Less Hassle

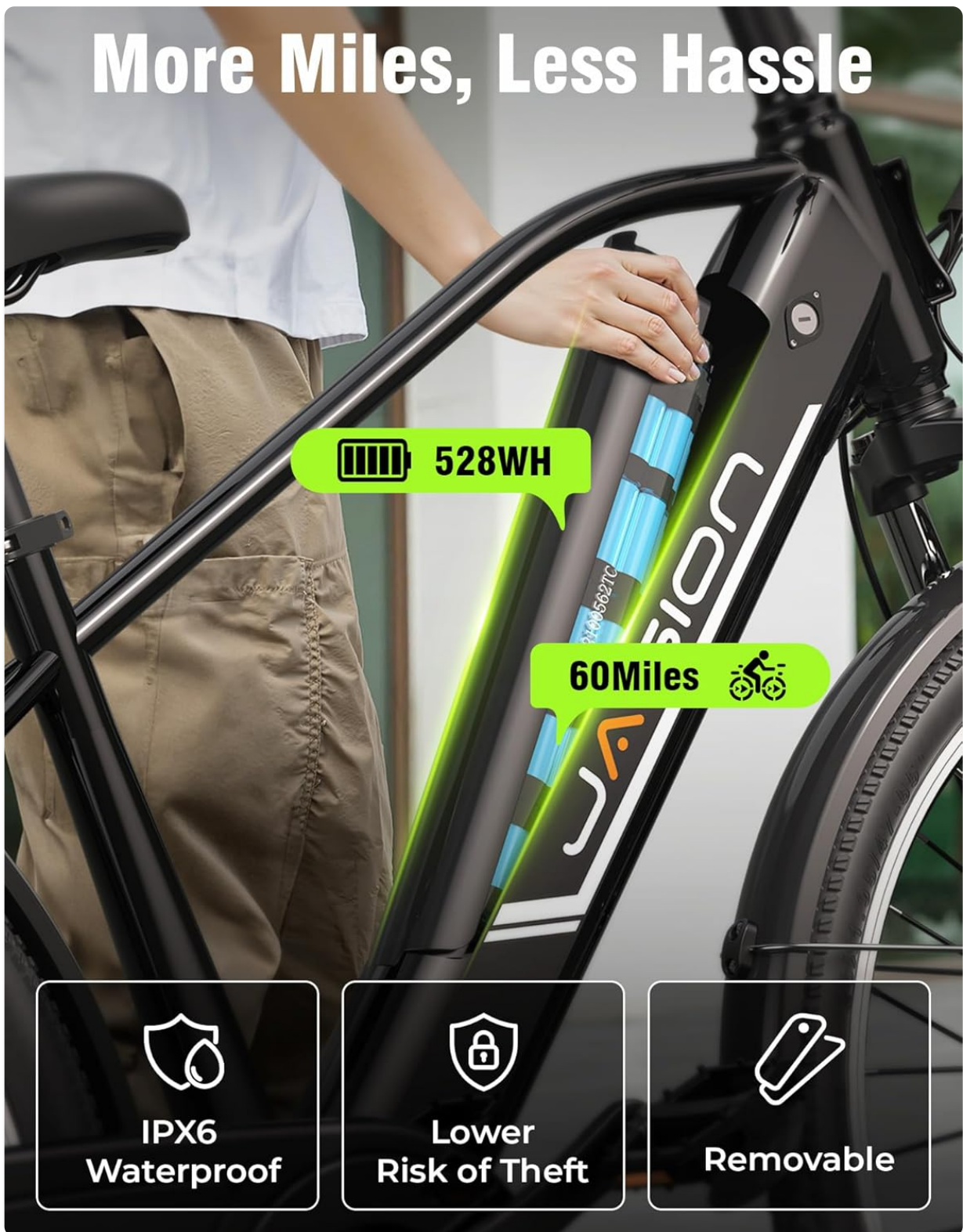


Image: A user demonstrating the removal of the Jason Roamer/ST Electric Bike's battery, emphasizing its 528Wh capacity, extended range, IPX6 waterproof feature, and secure, removable design.

## Charging:

- **Charging Time:** Approximately 6-7 hours for a full charge.
- **Charging Procedure:** Connect the charger to the battery and then to a standard power outlet. The indicator light on the charger will show charging status.
- **Storage:** Store the battery in a cool, dry place. Avoid extreme temperatures.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Jasion Roamer/ST Electric Bike.

### **Routine Checks:**

- **Tires:** Check tire pressure before each ride. Recommended pressure is usually indicated on the tire sidewall.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth gear changes.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on the handlebars, seat post, and wheels.
- **Suspension Fork:** The front suspension fork has 80mm of travel. Keep the stanchions clean and free of debris. The fork may include a lockout feature; ensure it functions correctly.



## Lockable & Shockproof Fork

Suitable for all terrains and providing a comfortable riding experience.



Image: A detailed view of the Jasion Roamer/ST Electric Bike's front suspension fork, emphasizing its lockable and shock-absorbing capabilities for a comfortable ride across diverse terrains.

### Cleaning:

Clean your e-bike with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components.

## 8. TROUBLESHOOTING

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

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Bike does not power on	Battery not inserted correctly; Battery discharged; Loose electrical connection.	Ensure battery is fully seated and locked; Charge the battery; Check all visible cable connections.
Motor not assisting	PAS level set to 0; Brake levers engaged; Motor cable disconnected.	Increase PAS level on display; Release brake levers; Check motor cable connection.
Brakes feel weak	Worn brake pads; Loose brake cable; Contaminated rotors.	Inspect and replace brake pads; Adjust brake cable tension; Clean rotors with disc brake cleaner.
Gears not shifting smoothly	Derailleur out of adjustment; Dirty or dry chain; Bent hanger.	Adjust derailleur; Clean and lubricate chain; Consult a bike mechanic for bent hanger.

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

## 9. SPECIFICATIONS

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



192 cm	<b>5'4"-6'4"</b> Recommended Height	<b>48V 11AH</b> Battery Capacity
158 cm	<b>65LBS</b> Ebike Weight	<b>62Miles</b> Riding Range
	<b>300LBS</b> Load Capacity	<b>28 MPH</b> Top Speed

Image: A visual representation of the Jasion Roamer/ST Electric Bike's dimensions and performance metrics, such as recommended rider height, e-bike weight, load capacity, battery capacity, riding range, and top speed.

Feature	Specification
Bike Type	Electric Bike
Model Name	Roamer/ST
Brand	Jasion
Motor	750W (1200W Peak) Brushless

Feature	Specification
Battery	48V 11Ah (528Wh) Removable
Max Speed	28 MPH
Range (Pure Electric)	Up to 60 miles
Charging Time	6-7 hours
Frame Material	High Carbon Steel
Suspension Type	Front (80mm travel)
Number of Speeds	7
Brake Style	Mechanical Disc
Recommended Height	5'4" - 6'4"
Ebike Weight	65 lbs
Load Capacity	300 lbs
Certifications	UL2849 (System), UL2271 (Battery Pack), UN38.3 (Cells)

## 10. WARRANTY & SUPPORT

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### Warranty Information:

Jasion provides a **12-month warranty** covering the motor, battery, and controller from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

### Technical Support:

Jasion offers **lifetime technical support** for your Roamer/ST Electric Bike. If you have any questions, require assistance with assembly, operation, maintenance, or troubleshooting, please contact our support team. Contact information can typically be found on the Jasion official website or through your purchase platform.