

Jasion YC1 ST

Jasion YC1 ST Electric Bike User Manual

Model: YC1 ST

INTRODUCTION

This manual provides essential information for the safe assembly, operation, and maintenance of your Jasion YC1 ST Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your e-bike. Retain this manual for future reference.

SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Regular maintenance checks are crucial for safe operation.

- **Pre-Ride Check:** Before each ride, inspect brakes, tire pressure, battery charge, and ensure all quick releases and fasteners are secure.
- **Visibility:** Use the integrated LED headlight and rear reflectors, especially during low-light conditions. Consider additional reflective clothing.
- **Weather Conditions:** Exercise caution when riding in wet or slippery conditions. Dual disc brakes provide reliable stopping, but stopping distances may increase.
- **Weight Limit:** Do not exceed the maximum load capacity of 330 lbs (150 kg).
- **Battery Safety:** Only use the provided charger. Do not expose the battery to extreme temperatures or puncture it.

SETUP AND ASSEMBLY

The Jasion YC1 ST Electric Bike requires some assembly. Follow these general steps. For detailed visual instructions, refer to the assembly video or diagrams provided with your product packaging.

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring proper alignment and tightening all bolts securely.
3. **Front Wheel Installation:** Install the front wheel, ensuring it is centered and the quick release or axle nuts are

tightened to specification.

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 the quick release.
6. **Battery Insertion:** Insert the removable battery into its compartment and ensure it is locked securely.
7. **Initial Charge:** Fully charge the battery before the first use. Charging typically takes 5-6 hours.



Figure 1: Annotated diagram of the Jasion YC1 ST Electric Bike, highlighting key components such as the height-adjustable seat, bright front headlight, full-cover mudguards, internal removable battery, and lockable front suspension.



Figure 2: Illustration of the internal removable battery, emphasizing its IPX4 waterproof rating, theft-proof design, dustproof and rustproof properties, and impact resistance. The image shows the battery integrated within the bike frame.

OPERATING INSTRUCTIONS

Riding Modes

The Jasion YC1 ST offers four distinct riding modes to suit various preferences and terrains:

- **Pure Electric Mode (Throttle Mode):** Engages the motor via a throttle, providing power without pedaling. Range up to 25 miles.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. This mode extends range up to 50

miles.

- **Pedal-Only Mode:** Functions as a traditional bicycle with no motor assistance.
- **Walk Assist Mode:** Provides low-speed motor assistance to help push the bike when walking alongside it, useful for inclines or tight spaces.

4 Riding Modes with Brushless Motor



The image shows a man in a light blue shirt, tan pants, a grey cap, and sunglasses riding a black electric bicycle. He has a large green backpack. The background is a blurred city street. To the left of the rider is a white vertical panel with four modes listed, each with a small icon of a person riding a bike. At the bottom of the image is a white horizontal bar with four key features, each with a small icon.

Riding Mode	Range
Throttle Mode	Up to 25 Miles
Pedal Assist Mode	Up to 50 Miles
Pedal-Only Mode	
Walk Assist Mode	

Feature	Value
7-Speed	7-Speed
1200W Peak	1200W Peak
Uphill 30°	Uphill 30°
Max 28mph	Max 28mph

Figure 3: A rider on the Jasion YC1 ST Electric Bike, illustrating the four riding modes: Throttle Mode, Pedal Assist Mode, Pedal-Only Mode, and Walk Assist Mode. Key features like 7-speed, 1200W peak motor, 30-degree uphill capability, and 28 mph max speed are also shown.

4 Riding Modes

Throttle Mode

No pedaling needed, enjoy effortless rides with full electric power.

Pedal Assist Mode

Boost your ride, get motor assistance while pedaling to go farther with less effort.

Pedal-Only Mode

Traditional cycling, a great option for exercise or casual cruising.

Walk Assist Mode

Easy walking support, Light motor push helps you walk the bike uphill or in tight spaces.

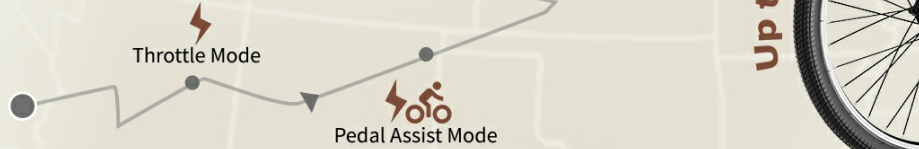


Figure 4: A visual representation of the four riding modes: Throttle Mode (no pedaling), Pedal Assist Mode (motor assistance while pedaling), Pedal-Only Mode (traditional cycling), and Walk Assist Mode (light motor push). The diagram also indicates a range of up to 50 miles.

LCD Display

The multi-function LCD display provides real-time riding data. It shows current speed, total mileage, trip distance, battery level, and selected riding mode. Familiarize yourself with the display functions before riding.



Figure 5: A detailed view of the Jasion Electric Bike's LCD screen, showing various riding data such as speed (MPH/KM/H), odometer (ODO), trip distance (TRIP), battery level, and pedal assist level (PAS). This display helps riders track their performance and bike status.

Gears and Drivetrain

Your Jasion YC1 ST is equipped with a professional 7-speed transmission system. Use the gear shifter to select appropriate gears for different terrains and speeds, ensuring efficient pedaling and motor assistance.



7-Speed Drivetrain

The 7-speed gear system helps you find your perfect riding rhythm — whether you're tackling a gentle incline or enjoying a relaxed city ride.

Figure 6: A close-up image of the Jasion Electric Bike's 7-speed drivetrain, including the rear derailleur and cassette. This system allows riders to find their ideal pedaling rhythm for various inclines and cruising speeds.

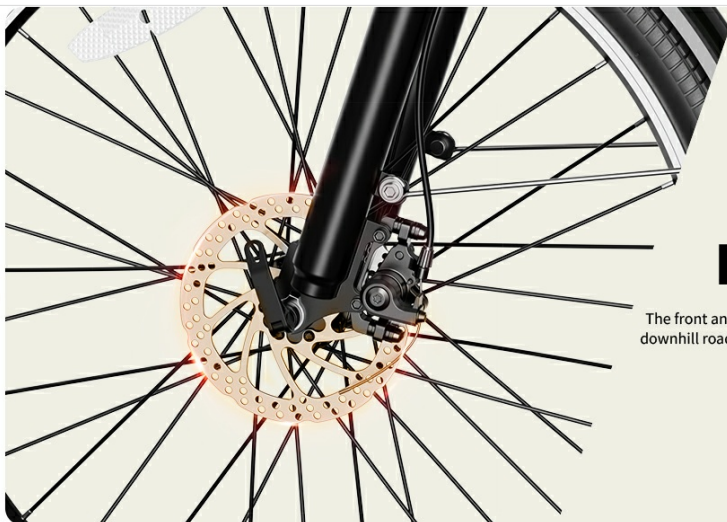
Braking System

The bike features dual disc brakes (front and rear) for precise and rapid stopping power. Always apply both brakes simultaneously for balanced and effective deceleration. Regularly check brake pads and rotors for wear.

360° All-Round Safety



Figure 7: A composite image showcasing the 360-degree safety features of the Jasion YC1 ST Electric Bike, including dual disc brakes, stay visible wheel reflectors, a bright front headlight, and a rear warning light.



Dual Disc Brakes

The front and rear disc brakes deliver fast and reliable stopping performance — even on downhill roads or in wet conditions. Ride with confidence and stay in control at all speeds.

Figure 8: A close-up view of the front dual disc brake system on the Jasion Electric Bike, highlighting its design for fast and reliable stopping performance in various conditions.

Front Suspension

The lockable front suspension fork absorbs bumps and shocks, providing a smoother and more comfortable ride. You can lock the suspension for more efficient pedaling on smooth surfaces or unlock it for rougher terrain.

Lockable Front Fork Suspension

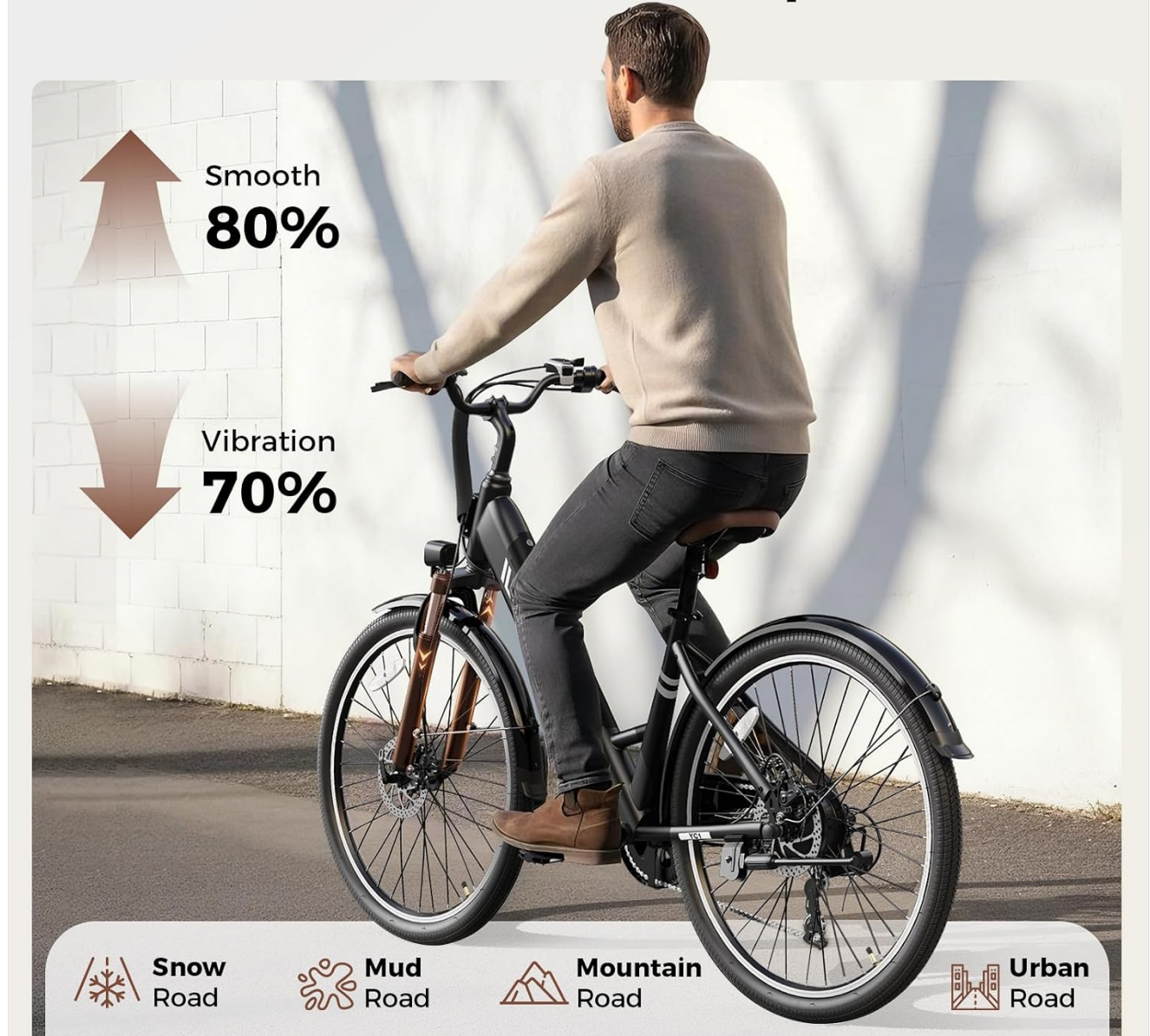


Figure 9: A rider on the Jasion YC1 ST Electric Bike, illustrating the benefits of the lockable front fork suspension in reducing vibration and enhancing smoothness across various road types, including snow, mud, mountain, and urban roads.

- ✓ **Absorbs road shock** to reduce vibration.
- ✓ **Improves control** on uneven surfaces.
- ✓ **Reduces strain** on hands, wrists, and shoulders.
- ✓ **More comfort** on longer rides.
- ✓ **Better traction** when riding off pavement.



Figure 10: A diagram illustrating the advantages of the bike's suspension system, including absorbing road shock, improving control on uneven surfaces, reducing strain on hands, wrists, and shoulders, providing more comfort on longer rides, and offering better traction when riding off pavement.

Adjustable Seat

The seat height is adjustable to accommodate riders between 5'1" and 6'6". Proper seat height is essential for comfort, pedaling efficiency, and injury prevention. Adjust the seat so your leg has a slight bend at the knee when the pedal is at its lowest point.

Ergonomic Designed Frame for Everyday Ride



Adjustable Seat
help reduce back strain & pressure



Step through -
Effortless on and off

Figure 11: A rider comfortably seated on the Jasion YC1 ST Electric Bike, highlighting the ergonomic design of the frame for everyday use. An inset shows the adjustable seat mechanism, designed to reduce back strain and pressure. The step-through frame allows for effortless mounting and dismounting.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Jasion YC1 ST Electric Bike.

- **Battery Care:** Charge the battery regularly, even when not in use, to maintain its health. Store the battery in a cool, dry place.
- **Tires:** Check tire pressure before each ride. Recommended pressure is usually indicated on the tire sidewall.
- **Brakes:** Inspect brake pads for wear and replace them when necessary. Ensure brake levers are firm and responsive.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth gear changes.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Jasion YC1 ST Electric Bike.

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged or not properly seated; power cable loose.	Ensure battery is fully charged and securely inserted. Check all cable connections.
Motor not assisting	Pedal Assist System (PAS) level set to zero; brake levers engaged; motor connection loose.	Increase PAS level on the display. Ensure brake levers are fully released. Check motor cable connection.
Brakes feel weak	Worn brake pads; cable tension too low; air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. Consult a professional for hydraulic brake issues.
Unusual noises	Loose components; dry chain; rubbing brakes.	Check all fasteners. Lubricate chain. Adjust brake calipers to prevent rubbing.

SPECIFICATIONS

Key technical specifications for the Jasion YC1 ST Electric Bike:



Figure 12: A detailed diagram showing the dimensions of the Jasion YC1 ST Electric Bike, including wheelbase, seat height, handlebar height, and total length. It also lists key specifications such as Ebike Weight (58 lbs), Load Capacity (330 lbs), and Recommended Height (5'1"-6'6").

Internal Removable Battery



IPX4 Waterproof Rating



Theft Proof



Dustproof and Rustproof



Impact Resistant



Figure 13: The Jasion YC1 ST Electric Bike in Glossy Black, showcasing its design and features.

Feature	Specification
Model Number	YC1 ST
Motor	1200W Peak Brushless Motor
Max Speed	28 MPH (45 km/h)
Battery	360WH Removable Lithium-ion with BMS
Charging Time	5-6 hours
Max Range (PAS)	Up to 50 miles (80 km)
Wheel Size	26 inches x 2.0 inches
Gears	7-Speed Transmission

Feature	Specification
Brakes	Dual Disc Brakes
Suspension	Lockable Front Suspension
Frame Material	Carbon Steel
Recommended Rider Height	5'1" - 6'6" (155 cm - 200 cm)
Load Capacity	330 lbs (150 kg)
Ebike Weight	58 lbs (26.3 kg)
Certifications	UL2849 Certified

WARRANTY AND SUPPORT

Warranty Information

The Jasion YC1 ST Electric Bike comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover normal wear and tear, misuse, accidents, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any questions regarding your Jasion YC1 ST Electric Bike, please contact Jasion customer support. You can find contact information on the official Jasion website or through your retailer.

Manufacturer Contact Information: Jasion

For further assistance, please visit the [Jasion Store on Amazon](#).