

Jasion YR16

Jasion YR16 Electric Bike User Manual

Model: YR16

1. IMPORTANT SAFETY INFORMATION

Before operating your Jasion YR16 Electric Bike, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or property damage.

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Obey Traffic Laws:** Familiarize yourself with and obey all local traffic laws and regulations.
- **Pre-Ride Inspection:** Before each ride, check the brakes, tire pressure, battery security, and ensure all quick releases are tightened.
- **Avoid Impaired Riding:** Do not operate the e-bike under the influence of alcohol or drugs.
- **Adjust for Comfort:** Ensure the seat and handlebars are adjusted to a comfortable and safe height for your stature.
- **Be Aware of Surroundings:** Always be vigilant of pedestrians, other vehicles, and road conditions.
- **Weight Capacity:** Do not exceed the maximum load capacity of 331 lbs (150 kg).

2. ASSEMBLY INSTRUCTIONS

Your Jasion YR16 Electric Bike arrives approximately 85% pre-assembled. The following steps detail the final assembly required before your first ride. A tool kit is included for your convenience.

1. **Install the Handlebar:** Secure the handlebar to the stem using the provided bolts. Ensure it is centered and tightened securely.
2. **Attach the Front Wheel:** Insert the front wheel into the fork dropouts. Ensure the brake rotor is correctly aligned with the caliper. Secure with the quick-release skewer or axle nuts.
3. **Mount the Front Light:** Attach the front light to its designated mounting point, typically on the front fork or handlebar. Connect any necessary wiring.
4. **Install the Pedals:** Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Tighten them firmly with a wrench.
5. **Final Checks:** Double-check all bolts, nuts, and quick releases for tightness. Ensure the brakes are

functioning correctly and the tires are inflated to the recommended pressure.



A full view of the Jasion YR16 electric bike, showcasing its design and components for assembly reference.

3. COMPONENTS OVERVIEW

The Jasion YR16 Electric Bike features several key components designed for performance and comfort:

- **Motor:** Powerful 2000W peak brushless motor for robust acceleration and hill climbing.
- **Battery:** Removable 48V 12.5Ah lithium battery, integrated into the frame for a sleek design and easy charging.
- **Display:** LCD display providing essential ride information such as speed, battery level, and pedal-assist mode.
- **Brakes:** Dual hydraulic disc brake system for reliable stopping power in various conditions.
- **Suspension:** Dual suspension system (front and rear) to absorb shocks and provide a smoother ride.
- **Tires:** 16"x4" fat tires designed for stability and traction across diverse terrains.
- **Gears:** 7-speed gear system for adapting to different riding environments.

4. BATTERY CHARGING AND CARE

Proper battery care ensures longevity and optimal performance.

4.1 Charging the Battery

- The battery can be charged while installed on the bike or removed.
- Connect the charger to a standard electrical outlet, then connect the charging cable to the battery's charging port.
- The indicator light on the charger will typically turn red during charging and green when fully charged.
- Charging time is approximately 4-6 hours for a full charge.

4.2 Battery Care Tips

- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to 50-70% every 1-2 months.
- Use only the official Jasion charger provided with your bike.



Image showing the 48V 12.5Ah battery of the Jasion YR16 electric bike, emphasizing its 55+ mile range and two charging methods.

5. OPERATING YOUR JASION YR16 ELECTRIC BIKE

5.1 Powering On/Off

Press and hold the power button on the LCD display to turn the bike on or off.

5.2 Pedal-Assist System (PAS)

The PAS provides motor assistance while you pedal. Use the '+' and '-' buttons on the control panel to adjust the assist level (typically 0-5). Level 0 provides no assistance, while higher levels offer more power.

5.3 Throttle Operation

The throttle allows you to engage the motor without pedaling. Gently twist the throttle grip to accelerate. Release the throttle to disengage power. Always use the throttle responsibly.

5.4 Cruise Control

To activate cruise control, reach your desired speed using the throttle or pedal assist, then press and hold the cruise control button (refer to your display manual for exact button). The bike will maintain this speed until you apply the brakes or press the button again.

5.5 Gear Shifting

Your YR16 is equipped with a 7-speed gear system. Use the shifter on the handlebar to change gears, allowing you to adapt to different inclines and speeds. Shift smoothly to avoid strain on the drivetrain.

5.6 Braking System

The dual hydraulic disc brakes provide strong and consistent stopping power. Apply both front and rear brakes simultaneously for optimal control and shorter stopping distances. Avoid sudden, hard braking, especially at high speeds.

6. MAINTENANCE

Regular maintenance is crucial for the safety and longevity of your electric bike.

- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended PSI (pounds per square inch) for optimal performance and safety.

- **Brake Inspection:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **General Cleaning:** Clean your bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Fastener Checks:** Periodically check all bolts, nuts, and fasteners to ensure they are securely tightened.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Jasion YR16 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or improperly installed. Loose electrical connection.	Ensure battery is fully charged and securely seated. Check all visible cable connections.
Motor not assisting	PAS level set to 0. Throttle or PAS sensor issue.	Increase PAS level on the display. Check for error codes on the display. Contact support if issue persists.
Brakes feel weak	Worn brake pads. Air in hydraulic lines.	Inspect and replace brake pads if worn. Consult a bike mechanic for hydraulic system bleeding.
Flat tire	Puncture or valve issue.	Locate and repair the puncture, or replace the inner tube. Ensure valve is secure.

For complex issues or if the problem persists after attempting the solutions above, please contact Jasion customer support.

8. SPECIFICATIONS

Feature	Detail
Model	YR16
Motor	Peak 2000W Brushless Motor
Battery	48V 12.5Ah Lithium Battery (960 Watt Hours)
Max Speed	Up to 28 MPH (45 km/h)
Range	55+ Miles (88+ km) per charge
Wheel Size	15.97 Inches (16 Inches)
Tires	16"x4" All-Terrain Fat Tires
Load Capacity	331 lbs (150 kg)
Ebike Weight	75 lbs (34 kg)
Recommended Rider Height	4'1" - 5'1" (124 cm - 155 cm)

Feature	Detail
Suspension Type	Dual Suspension
Brake Style	Dual Hydraulic Disc Brakes
Frame Material	Carbon Steel
Number of Speeds	7
Included Components	Fenders, Horn, Kickstand, Tool Kit



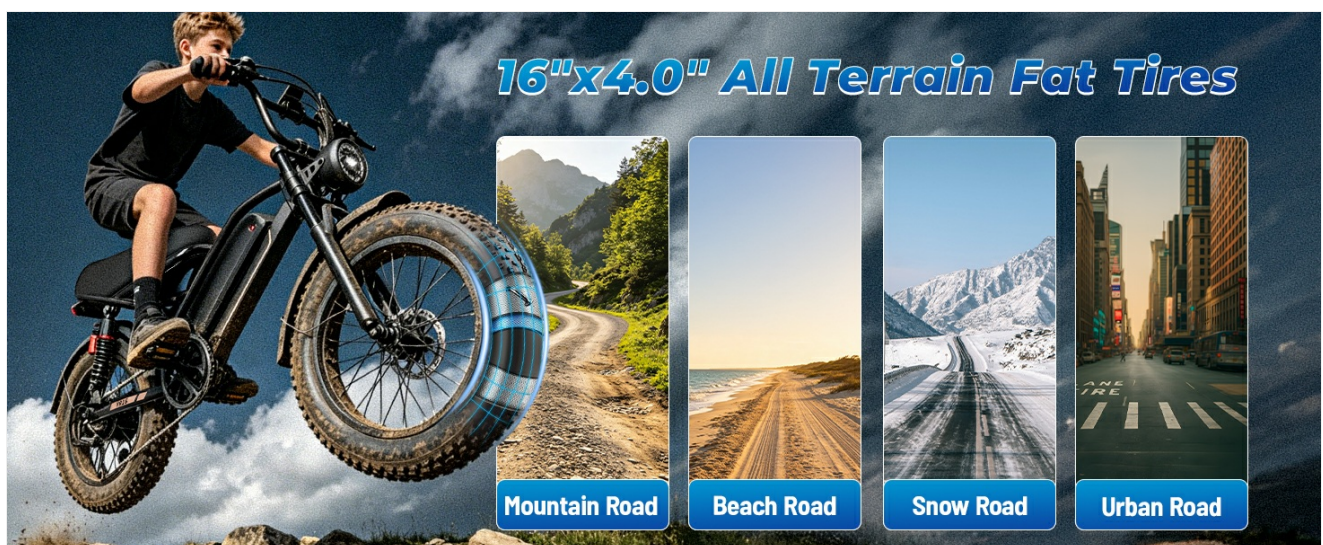
An image illustrating the dimensions of the Jasion YR16 electric bike, including handlebar height, total length, and maximum seat height, along with load capacity, ebike weight, and recommended rider height.



A close-up image detailing the dual suspension system of the Jasion YR16 electric bike, showing both front and rear shock absorbers.



An exploded view illustrating the 2000W peak powerful motor of the Jasion YR16 electric bike, showing its internal mechanism and power output.



Close-up view of the 16"x4.0" all-terrain fat tires of the Jasion YR16 electric bike, suitable for various road conditions like mountain, beach, snow, and urban environments.



Detailed view of the dual hydraulic disc brake system on the Jasion YR16 electric bike, highlighting its components for effective stopping power.

9. WARRANTY INFORMATION

The Jasion YR16 Electric Bike comes with a **12-month warranty** covering the motor, battery, and controller from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, please contact customer support.

10. CUSTOMER SUPPORT

For technical assistance, warranty claims, or any questions regarding your Jasion YR16 Electric Bike, please contact our customer support team:

Phone: +1 (888) 825 6366 (9 AM - 6 PM, Monday - Friday EST)

Email: support@jasionbike.com



An image showing customer support contact information for Jasion, including a phone number and a QR code for email support.