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AZMA S1

AZMA S1 Electric Bicycle Instruction Manual

Model: S1

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and care of your AZMA S1 Electric Bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. The AZMA S1 is designed for adult use, featuring a 250W motor, 15Ah battery, dual suspension, and comprehensive lighting including turn signals, making it suitable for various terrains and daily commutes.



Figure 1: AZMA S1 Electric Bicycle Overview

2. Safety Information

Your safety is paramount. Always adhere to local traffic laws and regulations. Failure to follow these instructions may result in serious injury or property damage.

- **Helmet Use:** Always wear an approved bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect tires for proper inflation and condition, check brake functionality, ensure all quick releases are tightened, and verify lights are working.
- **Visibility:** The AZMA S1 is equipped with a full lighting system, including an LED headlight, taillight, and front and rear turn signals. Always use these lights during low visibility conditions or at night. Ensure turn signals are used to indicate your intentions to other road users.
- **Braking:** The bicycle features hydraulic disc brakes for effective stopping power in various weather conditions. Familiarize yourself with their operation and practice braking in a safe area.
- **Battery Safety:** Only use the provided charger. Do not expose the battery to extreme temperatures or puncture it. Keep the battery away from children and pets.
- **Weight Limit:** Do not exceed the maximum load capacity of 265 lbs (120 kg).



Figure 2: Safety Features - Lighting and Suspension

3. Package Contents

Carefully unpack your AZMA S1 Electric Bicycle and verify that all components are present:

- AZMA S1 Electric Bicycle (partially assembled)
- Battery Charger
- Pedals
- Instruction Manual (this document)
- Keys (for battery lock)
- Fenders (pre-installed or separate)
- Rear Rack (pre-installed or separate)

4. Setup

Follow these steps to assemble and prepare your AZMA S1 Electric Bicycle for its first ride:

1. **Unpacking:** Remove the bicycle and all components from the packaging. Retain packaging for potential future transport or returns.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Apply a small amount of grease to the threads and tighten firmly.
4. **Seat Adjustment:** Adjust the seat post height to ensure your feet can comfortably touch the ground when stopped, and your legs have a slight bend at the knee when pedaling. Secure the quick-release lever.
5. **Battery Installation & Charging:** Insert the battery into its compartment and lock it with the provided key. Before first use, fully charge the battery using the supplied charger. Connect the charger to the battery port, then to a power outlet. The charging indicator will show when charging is complete (typically 4-6 hours).
6. **Tire Inflation:** Inflate tires to the recommended pressure indicated on the tire sidewall.
7. **Brake Check:** Squeeze both brake levers to ensure they engage firmly and stop the wheels effectively. Adjust if necessary.

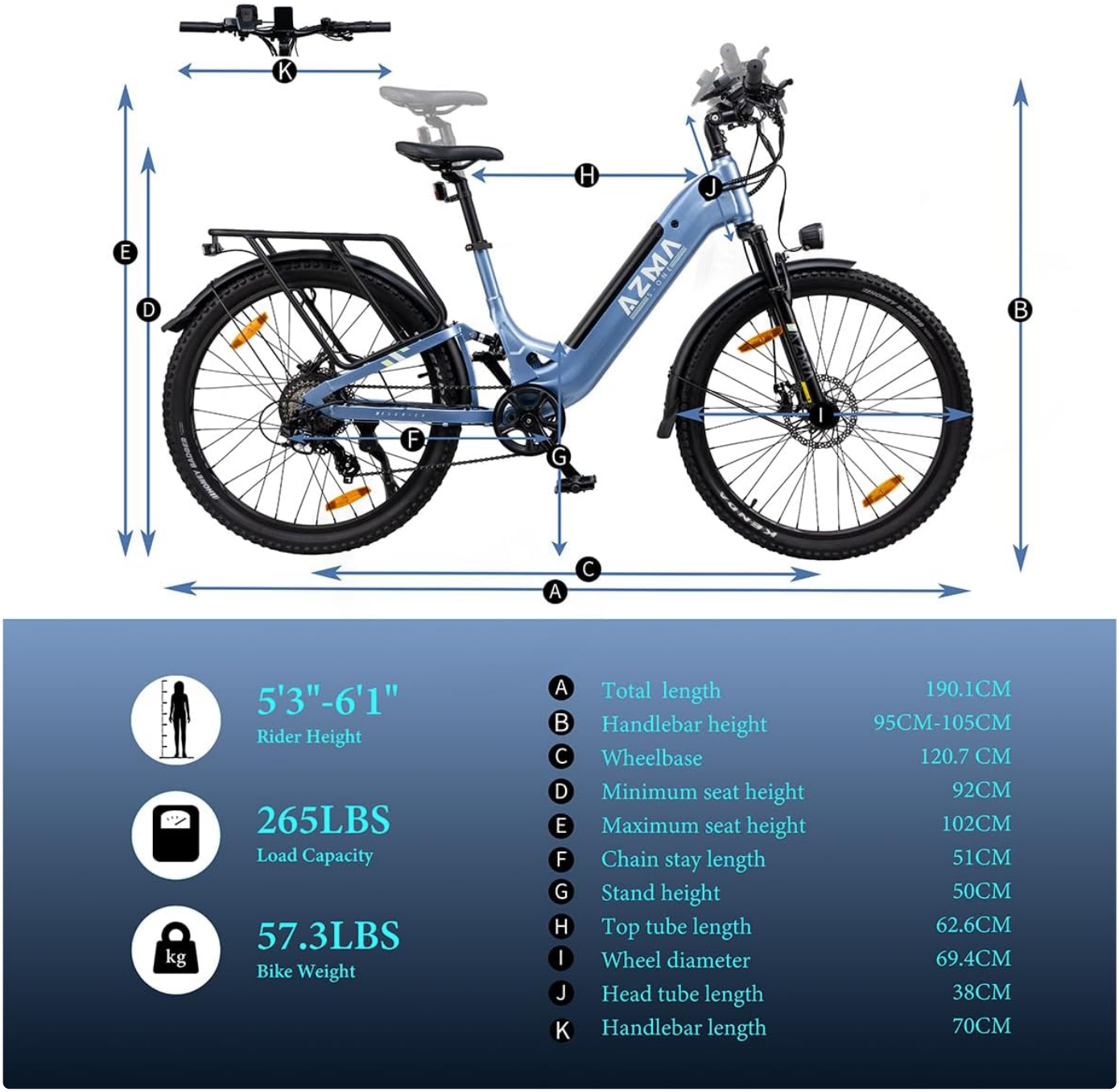


Figure 3: Bicycle Dimensions and Rider Height Guide

5. Operating Instructions

Understanding the controls and features of your AZMA S1 is crucial for an optimal riding experience.

- **Power On/Off:** Press and hold the power button on the LCD display to turn the bicycle's electrical system on or off.
- **LCD Display:** The multi-function LCD display shows important information such as current speed, battery level, total mileage, trip distance, and the current assistance level.
- **Assistance Modes:** The AZMA S1 offers five levels of pedal assistance. Use the '+' and '-' buttons on the control panel to cycle through these modes. Level 0 provides no motor assistance, while Level 5 provides maximum assistance.
- **Lights and Turn Signals:** Activate the LED headlight and taillight via the control panel. Use the dedicated buttons for front and rear turn signals to indicate turns.
- **Gear Shifting:** The bicycle is equipped with an 8-speed gear system. Use the shifter on the handlebar to change gears according to terrain and desired speed.

- **Braking:** Apply both front and rear hydraulic disc brakes smoothly and evenly for controlled stopping.
- **Battery Range:** The 36V 15Ah battery provides an estimated range of 50-100 km in economic assistance mode, depending on terrain, rider weight, and riding style.



Figure 4: Multi-Function LCD Display



Figure 5: 250W Brushless Motor Details



Figure 6: Removable Battery System

6. Maintenance

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

- **Cleaning:** Clean the bicycle regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tire Pressure:** Check tire pressure before each ride and maintain it within the recommended range.
- **Brakes:** Periodically inspect brake pads for wear and brake cables/hoses for damage. Ensure brake levers operate smoothly.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Store the battery in a cool, dry place. Avoid fully discharging the battery frequently.
- **Suspension:** Inspect the front fork and rear shock absorber for proper function and cleanliness.

- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like handlebars, wheels, and seat post.

7. Troubleshooting

This section addresses common issues you might encounter with your AZMA S1 Electric Bicycle.

Problem	Possible Cause	Solution
Bicycle does not power on	Battery not installed correctly, battery discharged, power button not pressed long enough.	Ensure battery is fully inserted and locked. Charge the battery. Press and hold the power button for 3-5 seconds.
Motor not assisting	Assistance level is 0, battery low, loose connection.	Increase assistance level using '+' button. Check battery level and charge if necessary. Inspect motor cable connections.
Brakes feel weak	Worn brake pads, air in hydraulic system, misaligned calipers.	Inspect and replace brake pads if worn. Consult a bicycle mechanic for hydraulic system bleeding or caliper adjustment.
Lights not working	Lights turned off, loose connection, battery low.	Turn on lights via control panel. Check wiring connections. Ensure battery has sufficient charge.

For issues not listed here or if solutions do not resolve the problem, please contact customer support.

8. Specifications

Feature	Detail
Model	S1
Brand	AZMA
Motor	250W Brushless Motor
Working Voltage	48V
Battery	36V 15Ah Removable Lithium Battery (720WH Capacity)
Charging Time	4-6 hours
Range	50-100 km (economic assist mode)
Max Speed	25 km/h
Max Torque	>50 N.M
Wheel Size	27.5 inches
Tire Size	27.5" x 2.2"
Suspension	Dual (Telescopic Front Fork, Rear Shock Absorber)

Feature	Detail
Brakes	Hydraulic Disc Brakes (Front & Rear)
Assistance Modes	5 Levels
Lighting	LED Headlight, Taillight, Front & Rear Turn Signals
Display	Multi-function LCD (Speed, Battery Level, Mileage, Assistance Level)
Included Accessories	Fenders, Rear Rack
Bike Weight	57.3 lbs (26 kg)
Load Capacity	265 lbs (120 kg)



Figure 7: Tire and Brake System

9. Warranty and Support

Your AZMA S1 Electric Bicycle comes with a**two-year warranty** from the date of purchase, covering manufacturing defects. This warranty does not cover normal wear and tear, misuse, or damage caused by accidents or improper maintenance.

For warranty claims, technical support, or any questions regarding your product, please contact your retailer or the AZMA customer service department. Please have your purchase receipt and product model number (S1) ready when contacting support.

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