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ZEEGR

ZEEGR Electric Bike S1 Instruction Manual

Model: S1 - 2000W Ebike 52V 22.4Ah Lithium Battery 35MPH 26" Full Suspension Electric Bicycles

1. PRODUCT OVERVIEW

The ZEEGR S1 Electric Bike is designed for adults seeking a powerful and versatile riding experience. Featuring dual 1000W motors, a high-capacity 52V 22.4Ah lithium battery, and full suspension, this e-bike is capable of reaching speeds up to 35 MPH and offers a range of 40-60 miles on a single charge. Its 26" x 4.0" fat tires provide excellent grip and stability across various terrains, while hydraulic disc brakes ensure reliable stopping power.



Figure 1: ZEEGR S1 Electric Bike. This image displays the overall design of the electric bike, highlighting its robust frame, fat tires, and integrated battery pack.

2. SETUP AND ASSEMBLY

The ZEEGR S1 electric bike arrives 85% pre-assembled. The remaining assembly involves attaching a few simple components. A tool kit is included to assist with this process.

2.1 Unpacking

1. Carefully remove the bike and all components from the packaging.
2. Inspect all parts for any signs of damage during transit. Contact customer support immediately if any damage is found.
3. Identify all included components: main bike frame, front wheel, handlebars, seat post, pedals, mudguards, cargo rack, charger, and tool kit.

2.2 Assembly Steps

1. **Install the Front Wheel:** Secure the front wheel into the fork using the quick-release mechanism or axle nuts, ensuring the brake rotor aligns correctly with the caliper.

2. **Attach the Handlebars:** Mount the handlebars onto the stem, ensuring they are centered and tightened securely. Adjust the angle for comfortable riding.
3. **Insert the Seat Post:** Insert the seat post into the frame and adjust the height to your preference. Secure it with the quick-release clamp.
4. **Attach Pedals:** Identify the left (L) and right (R) pedals. Thread the left pedal counter-clockwise and the right pedal clockwise into the crank arms. Tighten firmly.
5. **Install Mudguards and Cargo Rack:** Attach the front and rear mudguards, and the rear cargo rack, using the provided screws and brackets.
6. **Initial Battery Charge:** Before first use, fully charge the battery. The battery is removable for convenient charging indoors.



Figure 2: Dual Brushless Geared Motor System. This image illustrates the dual 1000W motors, highlighting the power delivery system of the ZEEGR S1 electric bike.

3. OPERATING INSTRUCTIONS

Familiarize yourself with the bike's controls and operating modes before riding.

3.1 Powering On/Off and Display

The ZEEGR S1 features an LCD intelligent display. To power on the bike, press and hold the power button on the display unit. The display will show battery level, current speed, gear, and mileage.



Figure 3: LCD Intelligent Display. This image shows the digital display unit, which provides real-time information such as speed, battery status, and selected assist level.



Figure 4: Handlebar Controls. This image details the handlebar layout, including the light/horn switch, LCD display switch, brake levers, front motor switch, phone holder, and twist throttle.

3.2 Riding Modes

The ZEEGR S1 offers four distinct working modes:

- **Pure Electric Mode:** Engage the twist throttle for motor-only propulsion without pedaling.
- **Pedal-Assist Mode (PAS):** Provides motor assistance while you pedal. There are 5 levels of pedal assistance, adjustable via the display controls. Higher levels provide more power.

- **Cruise Mode:** To activate, reach your desired speed and hold the minus button on the display for more than 3 seconds. The bike will maintain this speed. To exit, simply press either brake handle.
- **Normal Bike Mode:** Ride the bike like a traditional bicycle without any motor assistance.

3.3 Gear Shifting

The bike is equipped with a 7-speed gear system. Use the gear shifter on the handlebars to select appropriate gears for different terrains and speeds. Lower gears are for climbing, higher gears for flat terrain and speed.

3.4 Braking System

The ZEEGR S1 features front and rear hydraulic disc brakes for effective and responsive stopping power. Always apply both brakes simultaneously for optimal control. Adjust the brake lever reach for comfortable and effective braking.



Figure 5: Front and Rear Hydraulic Disc Brakes. This image highlights the hydraulic disc brake system, designed for superior stopping performance in various conditions.

3.5 Lighting and Signals

The bike includes a strong headlight, rear light, and turn signals for enhanced visibility and safety. Operate these using the switches on the handlebars.

3.6 Terrain Adaptability

The 26" x 4.0" fat tires provide excellent traction and stability on various surfaces, including paved roads, dirt paths, and light off-road conditions. The full suspension system, including a dual-crown suspension fork and rear shock absorber, absorbs impacts for a smoother ride.



Figure 6: 26" x 4.0" Fat Tires. This image showcases the wide, treaded fat tires, designed to provide enhanced grip and stability across diverse terrains.

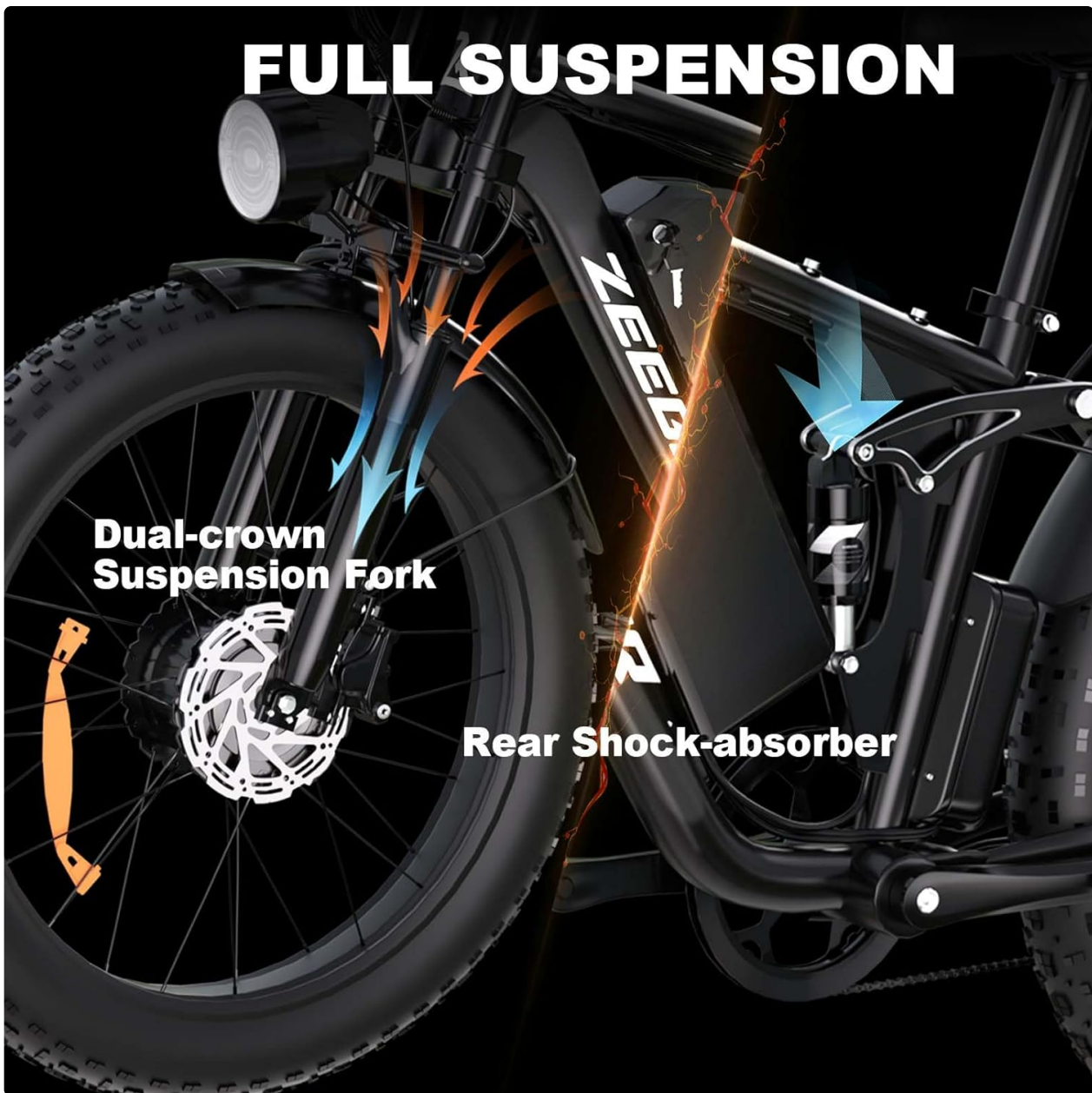


Figure 7: Full Suspension System. This image illustrates the dual-crown suspension fork and rear shock absorber, which contribute to a comfortable ride by absorbing shocks.

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Video 1: ZEEGR S1 Ebike in action. This video demonstrates the ZEEGR S1 electric bike's performance and features during a ride, showcasing its speed and handling.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ZEEGR S1 electric bike.

4.1 Battery Care

- **Charging:** Charge the 52V 22.4Ah lithium battery using the provided charger. A full charge typically takes 5-8 hours. The battery is removable for convenient charging indoors.
- **Storage:** If storing the bike for an extended period, ensure the battery is charged to 50-80% and store it in a cool, dry place. Avoid completely draining the battery or leaving it fully charged for long durations.

- **Waterproof:** The battery is IP65 waterproof, but avoid submerging it or exposing it to high-pressure water jets.



Figure 8: 52V 22.4Ah Lithium Battery. This image shows the high-performance, long-lasting lithium battery, which is removable for easy charging.

4.2 Tire Pressure

Regularly check the tire pressure of the 26" x 4.0" fat tires. Maintain pressure within the recommended range (typically indicated on the tire sidewall) for optimal performance and safety.

4.3 Brake Inspection

Periodically inspect the hydraulic disc brakes for wear on the pads and rotors. Ensure brake levers provide firm and consistent stopping power. If braking performance degrades, consult a qualified bike technician.

4.4 General Cleaning

Clean the bike regularly with mild soap and water. Avoid spraying water directly into electrical components. Dry the bike thoroughly after cleaning, especially after riding in wet conditions, to prevent rust and corrosion.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your ZEEGR S1 electric bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is low or not properly seated. Loose electrical connection.	Ensure battery is fully charged and securely inserted. Check all visible cable connections.
Motor not assisting / No throttle response.	PAS level is zero. Brake levers engaged. Motor switch off.	Increase PAS level on the display. Release brake levers. Ensure front motor switch is engaged if using dual motors.
Reduced range or power.	Battery not fully charged. Tire pressure too low. Riding in high-power modes consistently.	Fully charge the battery. Inflate tires to recommended pressure. Use lower PAS levels or single motor for extended range.
Brakes feel weak or spongy.	Worn brake pads. Air in hydraulic lines.	Inspect and replace brake pads if worn. If issue persists, hydraulic system may need bleeding by a professional.
Gears are not shifting smoothly.	Derailleur misalignment. Cable tension issues.	Check for bent derailleur hanger. Adjust gear cable tension. Consult a bike technician if necessary.

Note: For complex issues or repairs, it is recommended to seek assistance from a certified electric bike technician.

6. SPECIFICATIONS

Feature	Detail
Bike Type	Road Bike, Electric Bike
Brand	ZEEGR
Model Name	S1
Age Range	Adult
Color	Black
Motor Power	2000W (Dual 1000W motors)
Battery	52V 22.4Ah Lithium Battery (1165 Watt Hours)
Max Speed	Up to 35 MPH
Range	40-60 Miles (depending on riding conditions)

Feature	Detail
Charging Time	5-8 hours
Wheel Size	26 Inches
Tire Width	4 Inches (Fat Tires)
Frame Material	Aluminum 6061 Alloy
Suspension Type	Dual (Dual-crown fork, Rear shock-absorber)
Brake Style	Hydraulic Disc Brakes (Front & Rear)
Number of Speeds	7-Speed Gear
Item Weight	31 Kilograms (approx. 68.3 lbs)
Max Load Capacity	330 lbs / 150 kg (from size guide)
Recommended Rider Height	5'7" - 6'11" / 170-210 cm (from size guide)
Included Components	Mudguard, Cargo Rack, Tool Kit
Special Features	Digital Display, Lightweight, Dual Suspension, Dual Disc Brake, Adjustable Seat, Strong Headlight & Rear Light & Turn Signals

7. WARRANTY AND SUPPORT

7.1 Manufacturer's Warranty

The ZEEGR S1 Electric Bike comes with a **1-year manufacturer's warranty**. This warranty covers manufacturing defects and supports free replacement of accessories within the 12-month coverage period.

7.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact ZEEGR customer support. Dedicated pre-sales and after-sales services are available to answer and resolve all your questions.

For more information or to contact support, please visit the [ZEEGR Official Store on Amazon](#).