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› Aostirmotor S07-MAX-1 Electric Bike User Manual

aostirmotor S07-MAX-1

Aostirmotor Electric Bike User Manual

Model: S07-MAX-1

INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Aostirmotor S07-MAX-1 Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your electric bicycle.

The Aostirmotor S07-MAX-1 is a powerful electric mountain bike designed for adults, featuring a 1000W motor, 48V 20Ah removable battery, and 26"x4.0" fat tires, suitable for various terrains including snow, beach, and mountain roads.

SAFETY GUIDELINES

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not operate the bike under the influence of alcohol or drugs.
- Ensure all components are securely fastened before riding.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.

SETUP AND ASSEMBLY

Your Aostirmotor S07-MAX-1 electric bike arrives 95% pre-assembled. The remaining assembly typically involves attaching the front wheel, handlebars, pedals, and seat. A tool kit is included for your convenience.

Unpacking

1. Carefully remove the bike and all components from the packaging.
2. Inspect for any shipping damage. Contact customer support immediately if damage is found.
3. Retain the original packaging for at least one month for potential returns.

Component Installation

- **Front Wheel:** Align the front wheel with the fork dropouts and secure it with the quick-release skewer or axle nuts. Ensure the disc brake rotor is correctly seated within the caliper.
- **Handlebars:** Insert the handlebar stem into the fork steerer tube and tighten the stem bolts. Adjust the angle for comfortable riding.
- **Pedals:** Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Tighten securely with a wrench.
- **Seat Post:** Insert the seat post into the frame's seat tube. Adjust the seat height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure with the quick-release lever.
- **Battery Installation:** Ensure the battery is fully charged before first use. Slide the battery into its compartment on the frame until it clicks securely into place. Use the key to lock it if applicable.



Image: The Aostirmotor S07-MAX-1 Electric Bike, showcasing its overall design and components. Note the fat tires, front suspension, and integrated battery pack.



Image: A front three-quarter view of the Aostirmotor S07-MAX-1 Electric Bike, highlighting the front wheel, suspension fork, and headlight.

OPERATING INSTRUCTIONS

Battery Charging

The 48V 20Ah lithium battery is removable for convenient charging. Charging time is approximately 4-6 hours.

- Connect the charger to the battery charging port.
- Plug the charger into a standard wall outlet.
- The charger indicator light will change (e.g., red to green) when charging is complete.
- Always use the original charger provided with your bike.

Updated Motor

Strong Driving Force, 1000W High-Magnification
Brushless Motor, More than Excellence.

1000W

Motor Power

120Nm

Max Motor Torque



Image: An exploded view illustrating the internal components of the high-capacity 48V 20Ah removable lithium battery, emphasizing its robust construction and ease of removal for charging.

Riding Modes

Your Aostirmotor electric bike offers three distinct riding modes:

1. **Pure Electric Mode:** Engage the throttle for motor-only propulsion. No pedaling required.
2. **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. The level of assistance can be adjusted via the LCD display. This mode offers a riding range of 35+ miles (actual range varies based on rider weight, terrain, and weather).
3. **Normal Bike Mode:** Ride the bike like a traditional bicycle with no motor assistance.

SW-U-LCD Display

The SW-U-LCD display provides crucial riding information and allows for mode selection and settings adjustments. It also features a USB port for charging your phone.

- **Speed:** Current riding speed.
- **Power:** Motor power output.
- **Mileage:** Trip distance and total odometer.
- **Electricity:** Battery charge level indicator.
- **PAS Level:** Adjust the pedal assist level (typically 0-5).

LI-BATTERY

High-capacity Removable Battery (48V/20 Ah),
so the Distance is no longer troublesome.

Comparison with 36V battery

More battery capacity

960Wh super
battery capacity

Longer range

18-28MI
Distance

More secure

Effective rain protection
Excellent impact resistance



Image: A detailed view of the SW-U-LCD display, showing its various indicators for speed, power, mileage, and battery charge, along with the USB charging port.

Braking System

The bike is equipped with mechanical disc brakes for reliable stopping power. Ensure brake levers are easily accessible and provide firm, consistent braking.

- Regularly check brake pads for wear and replace as needed.
- Ensure brake cables are properly tensioned.

MAINTENANCE

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

General Care

- Keep the bike clean, especially after riding in wet or muddy conditions. Use a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- Store the bike in a dry, cool place, away from direct sunlight and extreme temperatures.
- Periodically check all bolts and fasteners for tightness.

Battery Care

- Charge the battery regularly, even if the bike is not in use, to maintain battery health.
- Do not fully discharge the battery frequently.
- If storing the bike for an extended period, charge the battery to about 50-70% and store it separately in a cool, dry place.

Tires and Brakes

- Maintain proper tire pressure as indicated on the tire sidewall. Fat tires typically require lower pressures.
- Inspect tires for wear, punctures, or damage before each ride.
- Check brake pads for wear and replace them when they are thin.
- Ensure brake levers engage smoothly and provide adequate stopping power.



26" x 4.0 FAT TIRE

Front Suspension, Suitable for All Terrain and Weather



Beach Road



Mountain Road



Snow Road



City Road

Image: A close-up of the 26"x4.0" fat tire and the front suspension fork, illustrating the robust design suitable for various terrains like beach, mountain, snow, and city roads.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly seated, power cable loose, display issue.	Charge battery, ensure battery is fully inserted and locked, check all cable connections, contact support if display is blank.

Problem	Possible Cause	Solution
Motor not assisting	PAS level set to 0, brake levers engaged, motor connection loose, controller issue.	Increase PAS level on display, ensure brake levers are fully released, check motor cable connection, contact support.
Short riding range	Low tire pressure, heavy load, frequent use of pure electric mode, cold weather, battery degradation.	Inflate tires to recommended pressure, reduce load, use pedal assist more, charge battery fully, consider battery replacement if old.
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.

For issues not listed here or if solutions do not resolve the problem, please refer to the Warranty and Support section.

SPECIFICATIONS

Feature	Detail
Model Name	S07-MAX-1
Bike Type	Electric Bike
Motor	1000W High-Speed Brushless Motor
Max Speed	Up to 31 mph
Max Motor Torque	85N·M
Battery	48V 20Ah Removable Lithium Battery
Charging Time	4-6 hours
Riding Range (Pedal Assist)	35+ Miles (varies by conditions)
Wheel Size	26 Inches
Tire Width	4.0 Inches (Fat Tire)
Frame Material	Aluminum
Suspension Type	Front (Lockable)
Brake Style	Mechanical Disc
Number of Speeds	7
Display	SW-U-LCD with USB Port
Recommended Height	5.4 - 6.3 FT
Maximum Weight Recommendation	300 Pounds
Included Components	Electric Bike, Specification, Charger, Tool Kit

WARRANTY AND SUPPORT

Warranty Information

All AOSTIRMOTOR E-bikes come with a 365-day warranty covering the battery, motor, controller, display, and other non-wearing parts. This warranty covers manufacturing defects and material flaws under normal use.

Please retain your proof of purchase for warranty claims.

Customer Support

Aostirmotor offers lifetime technical support for your electric bike. If you encounter any problems or have questions, please contact us directly through your order details or via email. Our professional after-sales personnel and technicians are available to assist you within 24 hours.

For assembly assistance, an installation video is available on the product page where you purchased the bike.

For return policy details, please refer to the product page or contact customer support. It is recommended to keep the original packaging for at least one month in case of returns.

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