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› Aostirmotor S17-1500W Electric Bike User Manual

aostirmotor S17-1500W

Aostirmotor S17-1500W Electric Bike User Manual

Model: S17-1500W | Brand: aostirmotor

1. INTRODUCTION

Welcome to the Aostirmotor S17-1500W Electric Bike user manual. This powerful fat tire electric bike is designed for cycling enthusiasts, offering a robust 1500W motor and a removable 48V 20Ah lithium battery for versatile riding across various terrains. This manual provides essential information for assembly, operation, maintenance, and troubleshooting to ensure a safe and enjoyable riding experience.



Figure 1.1: Aostirmotor S17-1500W Fat Tire Electric Bike (Blue)

2. SAFETY GUIDELINES

Always prioritize safety when operating your electric bike. Read and understand all safety warnings before your first ride.

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, battery, and all fasteners to ensure they are in good working order.
- **Obey Traffic Laws:** Follow all local traffic laws and regulations.
- **Weather Conditions:** Exercise caution in wet or slippery conditions. The fat tires provide excellent traction, but braking distances may increase.
- **Weight Limit:** Do not exceed the maximum weight capacity of 300 lbs.
- **Battery Safety:** Do not attempt to open or modify the battery. Charge the battery only with the provided charger in a well-ventilated area.

3. PACKAGE CONTENTS

Your Aostirmotor S17-1500W Electric Bike package includes the following components:

- Aostirmotor S17-1500W Electric Bike (main frame, wheels, handlebars, seat)
- 48V 20Ah Removable Lithium Battery
- Battery Charger
- Tool Kit for assembly
- User Manual (this document)
- Headlights (pre-installed)
- Color-LCD Display (pre-installed)

Note: Due to logistics policy, the bicycle and battery may be shipped in two separate packages.

4. ASSEMBLY & INITIAL SETUP

Your Aostirmotor electric bicycle comes 90% pre-installed. Follow these steps to complete the assembly and prepare for your first ride.

4.1 Unpacking and Inspection

1. Carefully remove 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. Keep the original box for at least one month for potential returns or warranty claims.

4.2 Handlebar and Front Wheel Installation

1. Attach the handlebars to the stem, ensuring proper alignment and tightening all bolts securely using the provided tool kit.
2. Install the front wheel, making sure the disc brake rotor is correctly seated within the caliper. Tighten the quick-release skewer or axle nuts firmly.

4.3 Seat Post Installation

1. Insert the seat post into the frame's seat tube. Adjust the seat height for comfortable pedaling, ensuring your leg has a slight bend at the bottom of the pedal stroke.
2. Secure the seat post with the quick-release lever or bolt.

4.4 Pedal Installation

1. Identify the left (L) and right (R) pedals.
2. Thread the pedals into the crank arms. The right pedal threads clockwise, and the left pedal threads counter-clockwise. Tighten them firmly with a wrench.

4.5 Battery Installation and Charging

1. Insert the 48V 20Ah removable lithium battery into its designated slot on the bike frame. Ensure it clicks securely into place.
2. Connect the charger to the battery charging port and then to a power outlet. The charging time is approximately 4-6 hours for a full charge.
3. The battery can be charged on or off the bike.



Figure 4.1: Removable 48V 20Ah Lithium Battery

Your browser does not support the video tag.

Video 4.1: Official Aostirmotor S17-1500W Bike Overview. This video demonstrates key features and aspects of the bike, including its design and functionality.

5. OPERATING YOUR E-BIKE

The Aostirmotor S17-1500W offers three distinct working modes to suit your riding preference and terrain.

5.1 Working Modes

- **Ebike Mode (Pure Electric):** Engage the throttle for full electric power without pedaling. Ideal for effortless cruising or when you need a boost. The bike can travel 30-45km in this mode.
- **Pedal Assisted Mode (PAS):** The motor provides assistance as you pedal, making climbs easier and extending your range. You can adjust the level of assistance via the LCD display.
- **Normal Pedaled Mode:** Ride the bike like a traditional bicycle, using only your pedal power. The electric system is off,

allowing for exercise or longer journeys without battery consumption.



Figure 5.1: Three Working Modes of the E-Bike

5.2 Color-LCD Display

The integrated Color-LCD display provides real-time information about your ride, including speed, mileage, gear, wattage, and battery level. You can customize settings such as wheel diameter, speed unit, and riding mode through the display interface.

6. KEY FEATURES

The Aostirmotor S17-1500W is built with high-quality components to deliver a superior riding experience.

- **Powerful 1500W Motor:** Provides strong driving force, supporting speeds up to 35 mph.
- **Removable 48V 20Ah Lithium Battery:** Offers a range of 30-45km (pure electric mode) and is easily removable for charging.
- **26" x 4.0" Fat Tires:** Designed for excellent traction and stability across diverse terrains including beach, snow, gravel, rain, dirt, sand, and ice.
- **6061 Aluminum Alloy Frame:** Light, strong, and durable, providing a comfortable and stable ride.
- **Dual Suspension:** Features both front lockable suspension fork and rear spring shock for improved shock absorption and a smoother ride on rough terrain.
- **F/R Hydraulic Brakes:** Equipped with sensitive hydraulic disc brakes for reliable and powerful stopping performance.
- **7-Speed Shimano Transmission:** Allows for smooth gear changes and adaptability to different riding conditions.



Figure 6.1: Powerful and Efficient Motor System



Figure 6.2: Lockable Suspension Fork for All Terrains

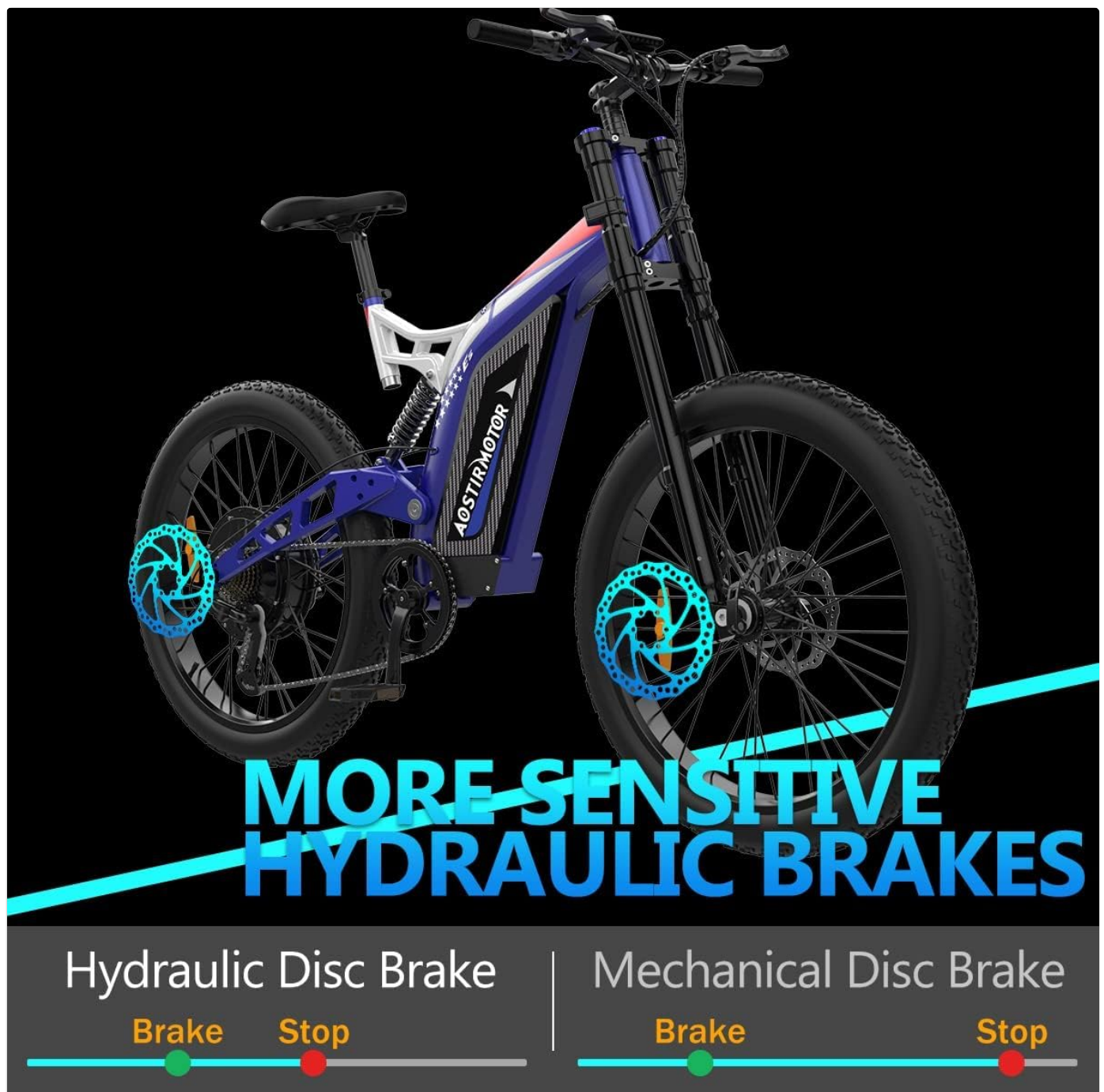


Figure 6.3: More Sensitive Hydraulic Brakes



Figure 6.4: 26" x 4" Fat Tires for Multi-Terrain Use



Figure 6.5: Overview of Main Components and Features

7. MAINTENANCE & CARE

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

- **Cleaning:** Use a damp cloth to wipe down the frame and components. Avoid high-pressure washing directly on electrical parts.
- **Tire Pressure:** Check tire pressure regularly. Refer to the tire sidewall for recommended PSI.
- **Brakes:** Inspect brake pads for wear and ensure hydraulic brakes are responsive. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth shifting.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on handlebars, seat post, and wheels.
- **Battery Storage:** If storing the bike for an extended period, charge the battery to 50-70% and store it in a cool, dry place. Recharge every 1-2 months to prevent deep discharge.

8. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly seated.	Ensure battery is fully charged and securely installed. Check power button on battery and display.
Motor not assisting.	PAS level too low, throttle not engaged, or sensor issue.	Increase PAS level on LCD. Ensure throttle is fully engaged if using Ebike mode. Check for loose connections.
Brakes feel weak.	Worn brake pads or air in hydraulic lines.	Inspect and replace brake pads if worn. If hydraulic, bleeding may be required by a professional.

Problem	Possible Cause	Solution
Unusual noises from wheels.	Loose spokes or issues with wheel bearings.	Check spoke tension. If noise persists, consult a bike mechanic.

9. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	aostirmotor
Model Name	S17-1500W
Bike Type	City Bike/Commuting Bike/Cross Country Bike/Cyclocross Bike /Electric Bike/Mountain Bike
Age Range (Description)	Adult
Motor Wattage	1500W
Battery	48V 20Ah Removable Lithium Battery (0.96 Kilowatt Hours)
Max Speed	Up to 35 mph
Range (Pure Electric)	30-45 km (approx. 18-28 miles)
Charging Time	4-6 hours
Load Capacity	300 LBS (Maximum Weight Recommendation: 260 Pounds)
Wheel Size	26 Inches
Wheel Width	4 Inches
Frame Material	6061 Aluminum Alloy
Suspension Type	Dual (Front Lockable Suspension Fork, Rear Spring Shock)
Brake Style	Hydraulic Disc
Number of Speeds	7
Included Components	Tool Kit
Item Weight	88 Pounds
Minimum User Height	149.86 Centimeters (approx. 4'11")
Suitable Rider Height	5'9" - 6'5" (as per feature bullets)

PRODUCT SIZE

S17 1500W Suitable for All Adults. (165-190CM)



Figure 9.1: Product Dimensions (S17 1500W Suitable for All Adults (165-190CM))

10. WARRANTY & CUSTOMER SUPPORT

Aostirmotor is committed to providing excellent customer service and product satisfaction.

10.1 Warranty Information

Your Aostirmotor S17-1500W Electric Bike comes with a **1-Year Limited Warranty** (365 days guarantee). This warranty covers manufacturing defects and ensures quality. Please retain your original box for at least one month after receiving your bike for any potential warranty claims or returns.

10.2 Customer Support

If you encounter any problems after receiving your product, or require assistance with assembly, operation, or troubleshooting, please do not hesitate to contact us. Customer satisfaction is our pursuit.

Email: aostirmotor@gmail.com

Telephone: +1 6264187821

We are here to serve you wholeheartedly and resolve any issues you may have.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question