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› Shengmilo S700 Electric Bicycle User Manual

## Shengmilo MX04

# Shengmilo S700 Electric Bicycle User Manual

Model: MX04 | Brand: Shengmilo

## INTRODUCTION

This user manual provides essential information for the safe operation, maintenance, and troubleshooting of your Shengmilo S700 electric bicycle. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your e-bike. Keep this manual for future reference.

## SAFETY INFORMATION

Always wear a helmet and appropriate safety gear when riding. Ensure all components are securely fastened before each ride. Do not operate the e-bike under the influence of alcohol or drugs. Adhere to local traffic laws and regulations. Be aware of your surroundings and ride defensively.

- Regularly check tire pressure and brake function.
- Ensure the battery is properly secured before riding.
- Avoid riding in extreme weather conditions.
- Do not exceed the maximum load capacity of 330 lbs (150 kg).

## COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Shengmilo S700 e-bike:

- **Frame:** Durable aluminum alloy.
- **Motors:** Dual brushless motors (front and rear hubs).
- **Battery:** Removable 48V 17.5Ah (840WH) LG Li-Ion battery.
- **Tires:** 26 x 3.0 inch fat tires for various terrains.

- **Brakes:** Hydraulic disc brakes (front and rear).
- **Gears:** Shimano 7-speed transmission system.
- **Suspension:** Front fork suspension.
- **Display:** LCD color display for speed, battery, mileage, and error codes.
- **Lights:** LED headlights.
- **Accessories:** Includes bell, reflectors, pump, and charger.



Image: Overview of the Shengmilo S700 electric bicycle, showing its main features including the display, dual motors, fat tires, and included accessories like fenders and a rear rack.

## SETUP AND ASSEMBLY

Your Shengmilo S700 e-bike arrives 98% pre-assembled. Follow these steps to complete the assembly:

1. **Install the Front Wheel:** Carefully align the front wheel with the fork and secure it using the quick-release mechanism or axle nuts. Ensure the brake rotor is correctly seated within the caliper.

2. **Attach the Handlebar:** Mount the handlebar onto the stem and tighten the bolts evenly. Adjust the angle for comfortable riding.
3. **Install the Pedals:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Ensure they are fully threaded and tightened.
4. **Install Fenders and Rear Rack:** Attach the front and rear fenders, and the rear rack, using the provided screws and mounting points.
5. **Charge the Battery:** Before first use, fully charge the battery. Refer to the "Battery Operation" section for detailed charging instructions.
6. **Perform Safety Checks:** Before your first ride, perform a thorough safety check, including brakes, tire pressure, and all bolted connections.



Image: Diagram illustrating the dimensions of the Shengmilo S700 electric bicycle, useful for assembly and understanding its size.

## OPERATING YOUR E-BIKE

## Riding Modes

The Shengmilo S700 offers three distinct riding modes:

- **Bicycle Mode:** Ride as a traditional bicycle without electric assistance.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. There are 1 to 5 levels of assistance; higher levels provide more power.
- **Pure Electric Mode:** Use the throttle for full electric power without pedaling.

# S700

## 26" Electric Mountain Bike

Explore More Routes with More Freedom and Fun.



Image: Illustration highlighting the dual powerful motors of the Shengmilo S700, indicating its speed capability and torque for climbing ability.

## Battery Operation

The e-bike is equipped with a 48V 17.5Ah (840WH) LG battery. It is integrated into the frame but is removable for charging or security.

- **Charging:** Connect the charger to the battery port and a power outlet. A full charge typically takes 6-8 hours. Do not overcharge.
- **Removal:** Use the provided key to unlock and remove the battery from the frame.
- **Care:** Store the battery in a cool, dry place. Avoid extreme temperatures.

# Stoßdämpfung macht das Fahren sicherer und komfortabel



**Bergstraße**



**Sandstraße**



**City Road**



**Schneefeld**

Image: Close-up view of the 48V 17.5Ah battery integrated into the frame, showing its cells and indicating pure electric range, pedal assist range, and full charge time.

## Display Usage

The LCD color display provides real-time information about your ride:

- **Battery Level:** Indicates remaining battery charge.
- **Speed:** Current riding speed.
- **Mileage:** Total distance traveled (ODO) and trip distance (TRIP).
- **PAS Level:** Current pedal assist level (1-5).
- **Error Codes:** Displays codes for system malfunctions.
- **Lights:** Indicator for headlight status.

To power on, press the power button. Use the '+' and '-' buttons to adjust PAS levels or navigate menus. The display also allows switching between front-wheel drive, rear-wheel drive, and two-wheel drive modes.

# JUNGLIN-METER HD-BILDSCHIRM



Image: Detailed view of the Junglin HD LCD display, showing speed, PAS level, and mileage, contrasting it with a generic, less clear display.

## Braking System

The e-bike features hydraulic disc brakes on both the front and rear wheels for reliable stopping power. Regularly check brake pads for wear and ensure proper brake lever tension.

# HYDRAULIK SCHEIBENBREMSE

Mehrere hohle Designs, um Gewicht zu reduzieren, dichte kleine Löcher an den Kanten für Entwässerung und Schlammentfernung, Oberflächengalvanik und Polierprozess, exquisit und schön



Image: Close-up of the hydraulic disc brake system, emphasizing its design for weight reduction and efficient water/mud removal.

## Gears and Tires

The Shimano 7-speed gear system allows you to adapt to various terrains and inclines. The 26 x 3.0 inch fat tires provide excellent grip and traction on diverse surfaces, including mountain roads, sand, and snow.

# 48V 17.5AH Battery



Image: Close-up of the 26x3.0 all-terrain fat tire, highlighting its good rolling properties, anti-puncture technology, and super traction and durability.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your e-bike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Lubricate the chain and other moving parts periodically.
- **Tire Pressure:** Maintain recommended tire pressure (check sidewall of tires for specific PSI/BAR).
- **Brakes:** Inspect brake pads for wear and replace as needed. Ensure brake levers are responsive.
- **Bolts and Fasteners:** Periodically check and tighten all bolts and fasteners, especially on the handlebars, seat post, and wheels.
- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Do not fully discharge the battery for extended periods.

## TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
E-bike does not power on	Battery not charged, battery not properly seated, power cable loose.	Charge battery, ensure battery is fully inserted and locked, check all cable connections.
Motor not assisting	PAS level too low, brake levers engaged, motor connection loose, error code on display.	Increase PAS level, release brake levers, check motor cables, consult display error code.
Brakes feel weak	Worn brake pads, air in hydraulic line, misaligned caliper.	Inspect and replace brake pads, bleed hydraulic system (professional recommended), adjust caliper.
Gears not shifting smoothly	Derailleur out of adjustment, dirty chain, bent hanger.	Adjust derailleur, clean and lubricate chain, inspect hanger for damage.

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

## SPECIFICATIONS

Feature	Detail
Model	MX04 (S700 Series)
Motor Type	Dual Brushless Geared Hub Motors
Motor Torque	2 x 80 N·M
Battery	48V 17.5Ah (840WH) LG Li-Ion, Removable
Charging Time	6-8 hours
Pure Electric Range	Approx. 40 km
Pedal Assist Range	Approx. 60-80 km
Tire Size	26 x 3.0 inch Fat Tires
Brake Type	Hydraulic Disc Brakes (Front & Rear)

Feature	Detail
Gears	Shimano 7-Speed
Frame Material	Aluminum Alloy
Suspension	Front Fork Suspension
Max Load Capacity	330 lbs (150 kg)
Product Dimensions	190 x 70 x 110 cm
Product Weight	26 kg (57.3 lbs)

## WARRANTY AND SUPPORT

Shengmilo offers a comprehensive warranty and support service for your e-bike:

- **General Warranty:** 1-year repair and replacement service.
- **Electrical Components:** 6 months for motors, controllers, batteries, chargers, electric throttles, and pedal assist sensors. 12 months for display instruments.
- **Basic Parts:** 12 months for the frame. 3 months for the flywheel.
- **Wear Parts:** Consumable parts such as tires and brake pads are not covered under warranty and must be purchased separately if damaged.

For any questions, technical assistance, or warranty claims, please contact Shengmilo customer support. You can find contact information on the official Shengmilo website or through your purchase platform.