

Shengmilo S700

Shengmilo S700 Electric Bike User Manual

Model: S700

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Shengmilo S700 Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Adherence to these instructions will ensure optimal performance and longevity of your e-bike.

2. SAFETY GUIDELINES

Always prioritize safety when operating your electric bike. Familiarize yourself with local traffic laws and regulations regarding electric bicycles. Wear a helmet and appropriate safety gear during every ride.

- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Ensure all components are securely fastened.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.

3. INITIAL SETUP AND ASSEMBLY

Your Shengmilo S700 electric bike arrives approximately 98% pre-assembled. The remaining assembly typically involves attaching the handlebars, front wheel, pedals, and seat. Follow these general steps:

1. **Unpacking:** Carefully remove the bike and all components from the packaging.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Front Wheel Attachment:** Install the front wheel, ensuring the quick-release skewer or axle nuts are

properly tightened. Verify the brake rotor is correctly aligned within the caliper.

4. **Pedal Installation:** 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 with a wrench.
5. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height for comfortable pedaling. Secure the quick-release lever or bolt.
6. **Battery Charging:** Before first use, fully charge the battery. The 48V 17.5AH Samsung lithium-ion battery requires approximately 6-8 hours for a full charge. The battery is removable for convenient charging.

HYDRAULIC DISC BRAKE

Multiple hollow designs to reduce weight, dense small holes at the edges for drainage and mud removal, surface electroplating and polishing process, exquisite and beautiful



Image: The removable 48V 17.5AH Samsung lithium-ion battery, showing its internal cell structure. This battery provides a range of up to 60-90 km in pedal-assist mode and 50-60 km in pure electric mode, with a full charge time of 6-8 hours.

4. OPERATING YOUR SHENGMILLO S700

4.1 Powering On and Display

To power on the bike, press and hold the power button on the LCD display. The display will show information such as speed, battery level, and riding distance. After powering on, you can adjust between different riding modes.



SAMSUNG 48V 840WH REMOVABLE BATTERY

 40 KM
PURE ELECTRIC MODE

 8 HOURS
FULL CHARGE

 60-80 KM
AUXILIARY PEDAL MODE

 IP45 WATERPROOF

Image: The high-definition LCD display (Yonglin-Meter) showing speed, pedal assist level (PAS), trip distance, odometer (ODO), maximum speed (MAX), and average speed (AVG). This display provides clear visibility of riding data.

HYDRAULIC OIL BRAKE

Front and rear Hydraulic Oil Brake powerful braking in different road conditions, helping you ride more safely.



Image: A multi-function display showing battery level, mileage, speed, error codes, and gear indicators. This display allows for adjustment of front-wheel drive and rear-wheel drive modes, pure electric mode, power pedal mode, and pure pedal mode.

4.2 Riding Modes

The Shengmilo S700 offers three distinct riding modes:

- **Pedal Assist Mode:** The Bafang motor provides assistance as you pedal. This mode offers a range of 60-90 km on a single charge.
- **Fully Electric Mode:** Engage the throttle to power the bike using only the motor. This mode provides a range of 50-60 km on a single charge.
- **Riding Action Mode (Manual Pedal):** Ride the e-bike like a traditional bicycle without motor assistance.

4.3 Gear Shifting

The bike is equipped with a 7-speed Acera derailleur. Use the trigger shifter on the handlebars to change gears, allowing you to adapt to various terrains and riding conditions.

4.4 Braking System

The Shengmilo S700 features front and rear hydraulic disc brakes for reliable stopping power. The brake levers include sensors that cut off motor assistance when activated, enhancing safety.



MULTI-FUNCTION DISPLAY

After powering on, press + adjustable front-wheel drive and rear-wheel drive two-wheel drive mode, adjustable pure electric mode, power pedal mode, pure pedal mode.

 **Battery level**

 **Mileage**

 **Speed**

 **Error codes**

 **Lights**

 **Cears**

Image: Close-up of the hydraulic disc brake system, highlighting the rotor and caliper. This system provides powerful and consistent braking performance in various road conditions.



Image: Illustration of the front and rear hydraulic oil brake system, designed for powerful braking across different road conditions to enhance rider safety.

4.5 Lighting and Horn

The S700 is equipped with a retro-style headlight for improved visibility during low-light conditions. The horn is integrated with the headlight for convenience.

5. MAINTENANCE

Regular maintenance is crucial for the safety and performance of your Shengmilo S700. Perform these checks regularly:

- **Tires:** Check tire pressure before each ride. The 26" x 3.0 fat tires are puncture-proof and feature reflective strips.
- **Brakes:** Inspect brake pads for wear and ensure brake levers operate smoothly. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery:** Store the battery in a cool, dry place when not in use. Avoid fully discharging the battery frequently. Charge regularly, even if not using the bike, to maintain battery health.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like the handlebars, wheels, and seat post.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical

components.

Note: Tires and brake pads are considered wearing parts and are not covered under the standard warranty for repair or replacement services.

6. TROUBLESHOOTING

If you encounter issues with your Shengmilo S700, refer to the following general guidance:

- **No Power:** Check if the battery is properly seated and charged. Ensure all electrical connections are secure.
- **Motor Not Assisting:** Verify that pedal assist mode is selected and you are pedaling. Check for any error codes on the LCD display. Ensure brake levers are not partially engaged, as this cuts motor power.
- **Brake Squeal:** This can be caused by dirt on the rotors or pads, or misaligned calipers. Clean the rotors and pads, or adjust the caliper alignment.
- **Gear Shifting Issues:** Check for proper chain lubrication and tension. The derailleur may require adjustment if gears are skipping or not shifting smoothly.

For persistent problems or damage, please contact Shengmilo customer support through your order page. Provide relevant photos and videos to assist in diagnosis. If immediate repair is necessary, local bicycle shops can perform maintenance, and costs may be covered by Shengmilo after verification.

7. SPECIFICATIONS

Component	Specification
Brand	Shengmilo
Model	S700
Motor	Bafang 48V Rear Motor, 80 Nm Torque, IPX5 Water Resistance
Battery	Samsung 48V 17.5AH (840 Wh) Lithium-ion, Removable
Charging Time	6-8 hours
Range (Pedal Assist)	60-90 km
Range (Fully Electric)	50-60 km
Tires	26" x 3.0 Fat Tires, Puncture-proof, Reflective Strips
Suspension	Full Suspension (Aluminum Alloy Double Shoulder Fork, DNM Rear Shock)
Brakes	Front and Rear Hydraulic Disc Brakes
Gears	7-speed Acera Derailleur
Display	LCD Display (Yonglin-Meter)
Frame Material	Aluminum
Bike Weight	50.7 lbs (23 kg)
Maximum Load	330 lbs (150 kg)

Component	Specification
Recommended Rider Height	5'4" - 6'4" (165 cm - 193 cm)
Electric Assist Type	Pedal assist and throttle
Frame Type	Soft Tail

PNEU GROS TOUT TERRAIN

Le gros pneu spécial 26X3.0 est un feu de vélo exceptionnellement léger avec un volume supplémentaire. Cette fonctionnalité en fait le feu idéal pour les terrains accidentés tels que le sable, neige, gravier ou pierre brute.



NO.1



Good rolling properties

NO.2



Anti-Puncture Technology

NO.3



Super traction and durability

Image: Diagram illustrating the dimensions of the Shengmilo S700 electric bike, including overall length, handlebar height, wheelbase, seat height, and ground clearance. Also shown are the bike weight (50.7 lbs), maximum load capacity (330 lbs), and recommended rider height range (5'4"-6'4").



Image: Close-up of the aluminum alloy double shoulder fork, designed to meet the demands of off-road terrains such as mountains, snow, and rough roads.



Image: Detailed view of the 26" x 3.0 fat tires, which provide enhanced grip and traction on challenging terrains like beaches, snow, and mountain roads.

8. WARRANTY INFORMATION

Shengmilo provides the following warranty coverage for the S700 Electric Bike:

- **Frame:** 1-year warranty.
- **Electrical Components (Battery, Charger, Controller):** 6-month warranty.
- **Other Electrical Parts:** 3-month warranty.

Please note that wearing parts such as tires, brake pads, and other consumables are not covered under this warranty policy for maintenance or replacement services.

9. CUSTOMER SUPPORT

For any questions regarding repairs, spare parts, assembly assistance, or other inquiries, please contact the Shengmilo after-sales service team. You can reach them through your order page on the platform where you purchased the bike. They aim to respond within 12 hours and provide suitable solutions.

If an issue requires immediate attention and cannot be delayed, you may visit a local bicycle shop for maintenance. Shengmilo will bear the maintenance cost upon verification, offering a faster resolution.

