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› Supermach Santai 26" Electric City Bike User Manual

Supermach SM07

Supermach Santai 26" Electric City Bike User Manual

Model: SM07

INTRODUCTION

Thank you for choosing the Supermach Santai 26" Electric City Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Figure 1: The Supermach Santai 26" Electric City Bike. This image displays the complete electric bicycle from a front-right angle, highlighting its frame, wheels, handlebars, seat, and integrated battery pack.

SAFETY INFORMATION

Your safety is paramount. Always adhere to the following guidelines:

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Local Regulations:** Familiarize yourself with and obey all local traffic laws and regulations regarding electric bicycles.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, lights, and ensure all fasteners are secure.
- **Weather Conditions:** Exercise caution when riding in wet conditions, as braking distance may increase.
- **Weight Limit:** Do not exceed the maximum weight load of 264 lbs (120 kg).
- **Battery Safety:** Do not attempt to open or modify the battery. Charge only with the provided charger.

PACKAGE CONTENTS

Upon unpacking, please verify that all components are present:

- Supermach Santai Electric City Bike (partially assembled)
- Battery Charger

- E-Bike Accessory Kit (may include tools, reflectors, etc.)
- User Manual (this document)

SETUP AND INITIAL ASSEMBLY

Follow these steps to assemble your Supermach Santai electric bike:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Tighten firmly with a wrench.
4. **Front Wheel Installation:** If the front wheel is not pre-installed, align it with the front fork dropouts and secure it using the quick-release skewer or axle nuts. Ensure the wheel spins freely and is centered.
5. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the seat height for comfortable pedaling, ensuring your leg has a slight bend at the bottom of the pedal stroke. Secure the quick-release lever.
6. **Initial Battery Charge:** Before your first ride, fully charge the battery. Connect the charger to the bike's charging port and then to a power outlet. The indicator light on the charger will change when charging is complete (typically 3-5 hours).
7. **Pre-Ride Inspection:** Perform a thorough check of the brakes, tire pressure, and ensure all bolts and quick releases are tight. Test the lights and horn.



Figure 2: Close-up view of the front headlamp and the front suspension fork. This image helps in identifying the front light for connection and the suspension components for adjustment.



Figure 3: Detail of the front fork suspension adjustment knob. This knob allows riders to fine-tune the suspension's stiffness for different terrains.

OPERATING INSTRUCTIONS

Understand how to operate your electric bike for a safe and enjoyable ride.

1. Powering On/Off and LCD Display

Locate the power button on the LCD display unit on your handlebars. Press and hold to turn the bike's electrical system on or off. The display provides crucial information during your ride.



Figure 4: The multifunctional LCD display unit mounted on the handlebars. This display shows current speed (CUR), battery level, pedal assist level (PAS), and total mileage (ODO).

The LCD display features include:

- **Current Speed (CUR):** Displays your real-time speed.
- **Battery Level:** Indicates the remaining battery charge.
- **Pedal Assist Level (PAS):** Shows the current level of motor assistance (usually 0-5).
- **Odometer (ODO):** Tracks total distance traveled.
- **Trip Distance:** Tracks distance for the current ride.

2. Riding Modes

Your Supermach Santai offers three distinct riding modes:

- **Electric Mode (Throttle Only):** Engage the throttle for motor assistance without pedaling. This mode provides full electric power up to the maximum speed.
- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. You can adjust the level of assistance via the display controls. Higher PAS levels provide more power.
- **Cycling Mode (Manual):** Ride the bike like a traditional bicycle with no motor assistance. This mode is useful for exercise or when the battery is depleted.

3. Gear Shifting

The bike is equipped with a Shimano 7-speed drivetrain for smooth gear changes. Use the shifter on the right handlebar to select appropriate gears for varying terrain and speed.



Figure 5: Close-up of the Shimano 7-speed gear shifter and brake lever on the right handlebar. The numbers indicate the selected gear, allowing for precise control over pedaling effort.

- Shift to lower gears (1-3) for climbing hills or starting from a stop.
- Shift to higher gears (5-7) for flat terrain or higher speeds.
- Always pedal lightly when shifting gears to ensure smooth transitions and prevent damage to the drivetrain.

4. Braking System

The Supermach Santai features double push mechanical butterfly brakes for reliable stopping power. The left lever controls the front brake, and the right lever controls the rear brake.

- Apply both brakes simultaneously for effective and controlled stopping.
- Avoid sudden, hard braking, especially with the front brake, to prevent loss of control.

5. Lights

The integrated headlamp and taillight provide visibility during low-light conditions. Operate them via the controls on the handlebars or LCD display, as per your model's specific configuration.

MAINTENANCE

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

- **Battery Care:**
 - Charge the battery regularly, even if not in use, to maintain its health.
 - Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
 - Avoid fully discharging the battery frequently.

- **Tire Pressure:** Check tire pressure before each ride. Maintain pressure within the range indicated on the tire sidewall for optimal performance and puncture resistance.
- **Brake System:** Regularly inspect brake pads for wear and replace them when necessary. Check brake cables for fraying and ensure proper tension for responsive braking.
- **Chain and Drivetrain:** Keep the chain clean and lubricated. Periodically clean the gears and derailleur to prevent dirt buildup and ensure smooth shifting.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness. Loose components can lead to safety hazards.
- **General Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.



Figure 6: View of the rear wheel assembly, showcasing the disc brake caliper, rotor, and the Shimano derailleur. This area requires regular inspection and maintenance for safe operation.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated. Loose electrical connection.	Ensure battery is fully charged and securely locked in place. Check all visible cable connections.

Problem	Possible Cause	Solution
Motor not assisting	Low battery. Pedal assist level (PAS) set to 0. Brake levers engaged.	Charge battery. Increase PAS level on display. Ensure brake levers are fully released.
Brakes feel weak	Worn brake pads. Loose brake cable.	Inspect and replace brake pads if worn. Adjust brake cable tension.
Gears not shifting smoothly	Dirty or unlubricated chain. Derailleur out of adjustment.	Clean and lubricate the chain. Consult a bike mechanic for derailleur adjustment if needed.

SPECIFICATIONS

Key technical specifications for the Supermach Santai SM07 Electric City Bike:

Feature	Specification
Model	SM07
Bike Type	Electric City Bike
Motor	500W Brushless Motor
Battery	36V 12.5Ah Lithium Battery (450 Watt Hours)
Top Speed	Up to 25 mph (40 km/h)
Distance Range	Up to 42 miles (67 km) per charge
Charging Time	3-5 Hours
Max Weight Load	264 lbs (120 kg)
Frame Material	Aluminum T6 Frame
Wheel Size	26 Inches
Transmission	Shimano 7-speed
Brake Style	Double Push Mechanical Butterfly Disc Brake
Suspension Type	Front Fork with One Shoulder
Special Features	Digital Display, Headlamps and Taillights, Battery with Lock
Item Weight	47.6 lbs (21.6 kg)

WARRANTY AND SUPPORT

Supermach is committed to providing high-quality products and customer satisfaction. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Supermach website. If you encounter any issues or require technical assistance, please contact Supermach customer support through the contact information provided with your product or

on the brand's official channels.

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