

Srliya S866

Srliya S866 Electric Bicycle LCD Display User Manual

Model: S866

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Srliya S866 Electric Bicycle LCD Display. Please read this manual carefully before use to ensure proper function and longevity of the product. This display is designed for 24V, 36V, and 48V electric bicycle systems.

2. PRODUCT OVERVIEW

The Srliya S866 LCD Display is a lightweight, waterproof, and durable unit designed to provide essential information for your electric bicycle. It features a large, backlit screen for clear visibility in various lighting conditions.

Key Features:

- **Large LCD Screen:** Provides clear and intuitive display of data and status.
- **Backlight Function:** Ensures screen visibility even in dark environments.
- **Durable Construction:** Made from premium ABS material, lightweight, waterproof (IP65 rated), and sturdy.
- **Easy Installation:** Designed for quick and effortless mounting on 22.2mm handlebars.
- **Wide Voltage Compatibility:** Compatible with 24V, 36V, and 48V electric bicycle systems.



Figure 2.1: Front view of the Sriya S866 LCD Display, showing the screen and control buttons.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and undamaged:

- 1 x Sriya S866 LCD Display
- 1 x User Manual (this document)



Figure 3.1: The S866 LCD Display unit with its attached cable and connector.

4. SETUP AND INSTALLATION

Follow these steps to properly install the Sriya S866 LCD Display on your electric bicycle.

1. Handlebar Mounting:

The display comes with an integrated bracket suitable for 22.2mm (0.9 inch) diameter handlebars. Position the display on your handlebar at a comfortable viewing angle. Use a screwdriver to tighten the bracket securely, ensuring the display does not rotate freely.



Made of ABS material, lightweight, waterproof and durable
Comes with LCD screen bracket for 22.2mm handlebars
LCD screen clearly shows status and data
Backlight allows you to see the screen clearly in low light



Figure 4.1: The S866 LCD Display securely mounted on a bicycle handlebar, showing its position relative to other controls.

2. **Electrical Connection:**

Locate the corresponding connector on your electric bicycle's controller. The S866 display uses an ordinary plug type. Carefully align and connect the display's cable to the controller's port. Ensure the connection is firm and secure.



Figure 4.2: A close-up view of the display's integrated mounting bracket, designed for 22.2mm handlebars.

3. Communication Protocol Verification:

Important Notice:

This instrument operates using the No. 2 communication protocol (UART). It is crucial to ensure that your electric bicycle's controller also uses the No. 2 communication protocol for compatibility. Incompatibility may result in the display not functioning correctly.

5. OPERATING INSTRUCTIONS

The S866 LCD Display features three primary buttons for control: Power (⏻), Plus (+), and Minus (-).

ordinary plug LCD S866 display instrument



Figure 5.1: The S866 LCD Display, highlighting the power, plus, and minus buttons.

Basic Functions:

- **Power On/Off:** Press and hold the Power button () for a few seconds to turn the display on or off.
- **Adjust Assist Level:** Use the Plus (+) and Minus (-) buttons to increase or decrease the electric assist level (PAS level).
- **Cycle Display Modes:** A short press of the Power button () typically cycles through different display modes, such as Odometer, Trip Distance, Speed, Battery Level, etc. (Specific modes may vary based on controller integration).
- **Backlight:** The backlight automatically activates when the display is on, ensuring clear visibility.

Advanced Settings (if applicable):

Some controllers allow access to advanced settings through specific button combinations (e.g., holding Plus and Minus simultaneously). Refer to your electric bicycle's controller manual for detailed instructions on accessing and adjusting advanced parameters like wheel diameter, speed limit, or battery voltage settings. The S866 display acts as an interface for these settings.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your S866 LCD Display.

- **Cleaning:** Use a soft, damp cloth to wipe the display screen and body. Avoid abrasive cleaners or solvents that could damage the plastic or screen coating.
- **Water Exposure:** While the display is waterproof (IP65 rated), avoid submerging it in water or exposing it to high-pressure water jets.
- **Storage:** When not in use for extended periods, store the electric bicycle in a dry, cool place, away from direct sunlight and extreme temperatures.

- **Cable Inspection:** Periodically check the display cable and connector for any signs of wear, damage, or corrosion. Ensure connections remain secure.

7. TROUBLESHOOTING

If you encounter issues with your S866 LCD Display, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display does not power on.	◦ Loose or disconnected cable. ◦ Controller not powered. ◦ Incompatible communication protocol.	◦ Check all cable connections, ensure they are secure. ◦ Verify the electric bicycle's battery is charged and the controller is receiving power. ◦ Confirm your controller uses No. 2 communication protocol.
Display shows incorrect data.	◦ Incorrect settings in the controller. ◦ Sensor malfunction.	◦ Access advanced settings (via controller manual) to verify parameters like wheel diameter. ◦ Consult your electric bicycle's manufacturer for sensor diagnostics.
Buttons are unresponsive.	◦ Dirt or debris under buttons. ◦ Internal malfunction.	◦ Clean around the buttons carefully. ◦ If problem persists, contact customer support.

If the problem persists after attempting these solutions, please contact Srliya customer support or your electric bicycle dealer for further assistance.

8. SPECIFICATIONS

Detailed technical specifications for the Srliya S866 LCD Display:

Feature	Detail
Model	S866
Material	ABS
Waterproof Grade	IP65
Communication Protocol	UART (No. 2 Protocol)
Matching Voltage	24V, 36V, 48V
Bracket Diameter	Approx. 22.2mm (0.9in)
Plug Type	Ordinary Plug
Dimensions (L x W x H)	Approx. 4.33 x 3.14 x 3.14 inches (11 x 8 x 8 cm)
Weight	Approx. 138g (4.9oz)

9. WARRANTY AND SUPPORT

Sriya products are manufactured to high-quality standards. For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official Sriya website. If you have any questions or require technical assistance, please contact Sriya customer service directly. When contacting support, please have your product model (S866) and purchase details readily available.