

SPYMINNPOO SPYMINNPOOi4q2s7m1tc

# S866 LCD Display User Manual

Brand: SPYMINNPOO  
Model: SPYMINNPOOi4q2s7m1tc

## INTRODUCTION

The S866 LCD Display is designed for electric bikes, providing essential ride data and status information. It features a large, clear screen with backlighting for visibility in various conditions, and is built with durable, lightweight ABS material. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your S866 LCD Display.

## SAFETY INFORMATION

- Always ensure the display is securely mounted before riding.
- Do not attempt to disassemble or modify the display, as this may void the warranty and cause damage.
- Keep the display away from extreme temperatures and direct sunlight for prolonged periods.
- Avoid exposing the display to excessive moisture or submersion, despite its IP65 waterproof rating.
- Ensure the communication protocol of your electric bike matches the display (UART) before connecting.

## PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x S866 LCD Display
- 1 x Manual

## SPECIFICATIONS

Feature	Specification
Item Type	S866 LCD Display
Material	ABS

Feature	Specification
Waterproof Grade	IP65
Communication Protocol	UART
Matching Voltage	24V 36V 48V
Weight	Approx. 138g / 4.9oz
Bracket Diameter	Approx. 22.2mm / 0.9in
Plug Type	SM Plug (Ordinary Plug)
Display Type	LCD

## SETUP AND INSTALLATION

### Mounting the Display

The S866 LCD Display is designed for easy installation on handlebars with a diameter of 22.2mm. No special tools are required for mounting.

1. Identify a suitable position on your electric bike's handlebar, ensuring it does not obstruct your view or control of the bike.
2. Open the bracket on the back of the S866 LCD Display.
3. Place the display bracket around the 22.2mm section of the handlebar.
4. Securely tighten the screw on the bracket until the display is firmly in place and 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



Image: The S866 LCD Display shown mounted on an electric bike handlebar, illustrating its compact size and clear visibility from the rider's perspective.

## Connecting the Display

The display connects to your electric bike's controller via an SM plug. Ensure your bike's communication protocol is UART.

1. Locate the corresponding SM plug on your electric bike's wiring harness.
2. Align the pins of the S866 LCD Display's SM plug with the pins of the bike's harness.
3. Gently push the plugs together until they click into place, ensuring a secure connection.
4. Verify the connection is firm and the wires are not strained or exposed.

ordinary plug  
LCD S866 display instrument



Image: A detailed view of the S866 LCD Display's SM plug, highlighting its multi-pin connector for electrical connection to the e-bike system.

## OPERATING INSTRUCTIONS

### Powering On/Off

- To power on the display, press and hold the power button (usually marked with a power symbol) for a few seconds until the screen illuminates.
- To power off the display, press and hold the power button again until the screen turns off.

### Display Functions

The large LCD screen provides an intuitive view of various data points:

- **Speed:** Displays current riding speed (km/h or mph).
- **Battery Level:** Indicates the remaining battery charge with a graphical icon.
- **Assist Level:** Shows the current pedal assist level (e.g., 1-5).
- **Trip Distance:** Displays the distance covered during the current ride.
- **Total Distance (ODO):** Shows the total accumulated distance.



Image: The S866 LCD Display showing its main screen with speed, battery level, assist level, and trip distance clearly visible, demonstrating its intuitive data presentation.

### Button Functions

- **Power Button:** Press and hold to turn the display on or off. Short press may cycle through display modes (e.g., Trip, ODO).
- **'+' Button:** Increases the pedal assist level or navigates up in menu settings.
- **'-' Button:** Decreases the pedal assist level or navigates down in menu settings.

### MAINTENANCE

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the display in a cool, dry place away from direct sunlight.
- **Connections:** Periodically check the SM plug connection to ensure it remains secure and free from corrosion.
- **Inspection:** Regularly inspect the display for any physical damage or loose components.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
Display does not turn on	Loose connection; Low bike battery; Faulty display/controller	Check SM plug connection; Charge bike battery; Contact seller for support.
Incorrect speed reading	Incorrect wheel circumference setting (if applicable); Sensor issue	Refer to your e-bike controller manual for display settings; Check speed sensor.
Buttons unresponsive	Software glitch; Physical damage	Try restarting the display; Inspect buttons for damage; Contact seller.

Problem	Possible Cause	Solution
Display shows error code	Specific system fault	Consult your e-bike's main manual for error code definitions and solutions.

## WARRANTY AND SUPPORT

For warranty information and technical support regarding your S866 LCD Display, please refer to the specific warranty terms provided by your retailer or contact the seller directly. Keep your proof of purchase for any warranty claims.