

Ldafava S866

Ldafava S866 Ebike LCD Display Meter User Manual

Model: S866 | Brand: Ldafava

1. INTRODUCTION

Thank you for choosing the Ldafava S866 Ebike LCD Display Meter. This manual provides essential information for the proper installation, operation, and maintenance of your new display. Please read this guide thoroughly before use to ensure optimal performance and longevity of the product.

The S866 LCD Display is designed for electric bicycles and scooters, offering clear data display and intuitive control. It is compatible with 24V, 36V, and 48V systems and connects via an SM plug. For proper functionality, this display must be paired with a controller utilizing the #2 OMD communication protocol.

2. SAFETY INFORMATION

- Always ensure the display is securely mounted before riding.
- Verify that the display's communication protocol (#2 OMD) matches your e-bike's controller to prevent damage or malfunction.
- Do not attempt to open or modify the display unit. Unauthorized modifications can void the warranty and cause damage.
- While the display has an IP65 waterproof rating, avoid prolonged submersion or high-pressure water jets.
- Keep the screen clean and free from obstructions to ensure clear visibility of riding data.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Ldafava S866 Ebike LCD Display Meter
- 1 x Mounting Bracket (pre-attached or separate)

4. PRODUCT OVERVIEW

The S866 LCD Display features a clear screen with intuitive buttons for easy operation. Its robust design ensures durability in various riding conditions.



Figure 4.1: S866 LCD Display Meter and SM Plug Cable



Figure 4.2: Front view of the S866 Display with control buttons (+ Power -)



Figure 4.3: Rear view of the S866 Display with mounting bracket

5. SETUP

5.1 Installation

1. **Mounting the Display:** The S866 display comes with a bracket suitable for 22.2mm (0.9in) diameter handlebars. Loosen the bracket screw, position the display on your handlebar, and tighten the screw securely. Ensure the display is oriented for optimal viewing.

ordinary plug
LCD S866 display instrument



Figure 5.1: S866 Display mounted on handlebars

2. **Connecting the SM Plug:** Locate the SM plug cable extending from the S866 display. Connect this plug to the corresponding SM connector on your e-bike's controller. Ensure the connection is firm and secure.
3. **Compatibility Check:** Confirm that your e-bike's controller uses the #2 OMD communication protocol. The S866 display will not function correctly with incompatible controllers.

5.2 Initial Power On

After installation and connection, turn on your e-bike's main power. Press and hold the power button on the S866 display to activate it. The LCD screen should illuminate and display initial riding data.

6. OPERATING INSTRUCTIONS

The S866 display provides essential riding information and allows for basic control through its three buttons.

6.1 Button Functions

- **Power Button ():** Press and hold to turn the display ON or OFF. A short press may cycle through display modes or confirm selections, depending on the current menu.
- **Plus Button (+):** Typically used to increase values, navigate upwards in menus, or increase assist levels.
- **Minus Button (-):** Typically used to decrease values, navigate downwards in menus, or decrease assist

levels.

6.2 Display Information

The large LCD screen clearly shows various riding data:

- **Speed:** Current riding speed.
- **Distance:** Trip distance or total odometer.
- **Ride Time:** Duration of the current ride.
- **Battery Level:** Indication of remaining battery charge.
- **Assist Level:** Current pedal assist level (if applicable).

The integrated backlight ensures visibility in low-light conditions. The display automatically adjusts or can be manually controlled via button presses for optimal viewing.



Figure 6.1: S866 Display showing active riding data

7. MAINTENANCE

- **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.
- **Water Resistance:** The IP65 rating protects against dust and low-pressure water jets. Do not immerse the display in water. If the display gets wet, wipe it dry promptly.

- **Storage:** When not in use for extended periods, store the e-bike and display in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically check the SM plug cable for any signs of wear, cuts, or damage. Ensure connections remain secure.

8. TROUBLESHOOTING

- **Display Not Turning On:**
 - Ensure the e-bike's main power is on.
 - Check the SM plug connection for looseness or damage.
 - Verify battery charge.
- **No Data Displayed / Incorrect Readings:**
 - Confirm the display is correctly connected to the controller.
 - Crucially, ensure your controller uses the #2 OMD communication protocol. Incompatibility is a common cause of data issues.
 - Check for any physical damage to the display or its cable.
- **Buttons Unresponsive:**
 - Ensure the display is powered on.
 - Check for any debris or obstruction around the buttons.

If problems persist after attempting these troubleshooting steps, please contact Ldafava customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	Ldafava
Model Name	S866 Ebike LCD Display Meter
Material	Plastic (ABS)
Color	BLACK
Waterproof Grade	IP65
Communication Protocol	UART (OMD #2)
Matching Voltage	24V, 36V, 48V
Bracket Diameter	22.2mm (0.9in)
Plug Type	SM Plug

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Ldafava S866 Ebike LCD Display Meter comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents,

unauthorized modifications, or improper installation.

10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your S866 display, please contact Ldafava customer support through the retailer where the product was purchased or refer to the official Ldafava website for contact information.



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