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Zerone S866

Zerone S866 Electric LCD Display Panel User Manual

Model: S866

1. INTRODUCTION

Thank you for choosing the Zerone S866 Electric LCD Display Panel. This manual provides essential information for the proper installation, operation, and maintenance of your new display. Please read it thoroughly before use to ensure optimal performance and longevity of the product.



Figure 1.1: Front view of the Zerone S866 Electric LCD Display Panel, showing the screen and control buttons.

2. PRODUCT FEATURES

- **Easy Control:** Quick key functionality allows for straightforward control and parameter adjustment.

- **Simple Installation:** Includes an LCD bracket for easy mounting on standard 22.2mm handlebars.
- **Clear Display:** Provides clear status and data information with a backlight feature for visibility in low-light conditions.
- **Wide Voltage Compatibility:** Supports 24V, 36V, 48V, and 60V electric bike systems.
- **Durable Design:** Constructed from lightweight and robust ABS material, resistant to daily impacts.

3. SPECIFICATIONS

Attribute	Value
Item Type	Electric LCD Display Panel
Material	ABS
Weight	Approx. 104g (3.7oz)
Matching Voltage	24V, 36V, 48V, 60V
Bracket Diameter	22.2mm (0.9in)
Waterproof Grade	IP65
Package Dimensions	4.33 x 3.15 x 2.76 inches
Model Number (Internal)	Zeroneg8dm6uy9fp

4. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- 1 x Zerone S866 Electric LCD Display Panel
- 1 x Instruction Manual (this document)

5. SETUP AND INSTALLATION

Follow these steps to properly install your Zerone S866 LCD Display Panel on your electric bicycle:

1. **Prepare Handlebars:** Ensure the handlebar area where you intend to mount the display is clean and free of obstructions. The display is designed for 22.2mm diameter handlebars.
2. **Mount the Display:** Use the included bracket to securely attach the S866 display to your handlebar. Tighten the screws firmly but do not overtighten to avoid damage.



Figure 5.1: The S866 display panel shown mounted on bicycle handlebars, ready for connection.

- 3. Connect Wiring:** Carefully connect the display's cable to the corresponding port on your electric bicycle's controller or wiring harness. Ensure the connectors are fully seated and secure. Refer to your electric bike's wiring diagram if unsure.



Figure 5.2: Rear view of the S866 display, highlighting the integrated connection cable.

4. **Cable Management:** Route the cable neatly along your bike frame and secure it with cable ties to prevent snagging or damage during riding.
5. **Initial Power-On:** Once installed and connected, power on your electric bike. The display should illuminate and show initial data.

6. OPERATING INSTRUCTIONS

The Zerone S866 LCD Display Panel provides clear information and easy control over your electric bike's functions.



Figure 6.1: Close-up view of the S866 display, showing the digital speed, battery indicator, assist level, and trip distance.

6.1. Button Functions

- **Power Button (⏻):**
 - Press and hold to turn the display ON/OFF.
 - Short press to cycle through display modes (e.g., Odometer, Trip Distance).
- **Up Button (+):**
 - Short press to increase assist level or navigate menu options upwards.
 - Long press (in certain modes) for specific functions (e.g., headlight control, if supported by your bike's controller).
- **Down Button (-):**
 - Short press to decrease assist level or navigate menu options downwards.
 - Long press (in certain modes) for specific functions.

6.2. Display Information

The LCD screen provides real-time data:

- **Speed:** Current riding speed (km/h or mph).
- **Battery Level:** Graphical indicator showing remaining battery charge.
- **Assist Level:** Current pedal assist level (e.g., 0-5).
- **Trip Distance:** Distance covered during the current ride.
- **Odometer:** Total distance covered by the bike.
- **Error Codes:** Displays specific codes if a system error occurs.

6.3. Parameter Adjustment

The display allows for basic parameter adjustments. Typically, this involves entering a settings menu by holding a combination of buttons (e.g., Up and Down simultaneously) for a few seconds. Common adjustable parameters may include:

- Unit System (km/h vs. mph)
- Wheel Diameter
- Battery Voltage Setting

Note: Specific parameter adjustment procedures may vary slightly. Refer to your electric bike's main controller manual for advanced settings.

7. MAINTENANCE AND CARE

To ensure the longevity and proper functioning of your Zerone S866 LCD Display Panel, follow these maintenance guidelines:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as they can damage the plastic and screen.
- **Water Exposure:** While the display has an IP65 waterproof rating, avoid submerging it in water or exposing it to high-pressure water jets (e.g., from a power washer). Dry any moisture promptly.
- **Temperature:** Avoid exposing the display to extreme temperatures, both hot and cold, for extended periods.
- **Impact:** Protect the display from physical impacts and drops, which can cause internal or external damage.
- **Connections:** Periodically check the wiring connections to ensure they are secure and free from corrosion.

8. TROUBLESHOOTING

If you encounter issues with your Zerone S866 LCD Display Panel, try the following troubleshooting steps:

Problem	Possible Cause	Solution
Display does not turn on	No power from bike; Loose connection; Damaged display.	Ensure bike battery is charged and turned on. Check all wiring connections. If problem persists, contact support.
Incorrect speed/distance reading	Incorrect wheel diameter setting; Sensor issue.	Verify wheel diameter setting in display parameters. Check speed sensor and magnet on your bike.
Buttons unresponsive	Software glitch; Physical damage.	Try turning the display off and on again. Inspect buttons for physical damage.
Display shows error code	System malfunction (motor, controller, battery).	Consult your electric bike's main controller manual for specific error code meanings and solutions.

If these steps do not resolve the issue, please contact Zerone customer support or your electric bike dealer for further assistance.

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Zerone S866 Electric LCD Display Panel, please refer to the warranty

card included with your purchase or contact the seller directly. Zerone is committed to providing quality products and customer satisfaction.

For technical support or inquiries, please visit the official Zerone store on Amazon or contact their customer service channels as provided at the point of purchase.

Zerone Store Link: <https://www.amazon.com/stores/Zerone/page/A619C4D9-FCE5-459B-B745-8DD2D44F2669>



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