**EBIKELING S830-Display**

# EBIKELING S830 LCD Display Control Panel User Manual

Model: S830-Display

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EBIKELING S830 Waterproof LCD Display Control Panel for Electric Bicycles. Please read this manual thoroughly before using the product to ensure proper function and longevity.

Figure 1: EBIKELING S830 LCD Display Control Panel. This image shows the main display unit with its handlebar mounting brackets, viewed from an angle, highlighting its compact design.

## PRODUCT FEATURES

- **LCD Digital Display:** Features a clear, backlit LCD screen for visibility in various lighting conditions. Displays essential information such as trip data, voltage, wattage, and current speed. Equipped with a 5-pin Julet type male connector for easy integration.

- **Durable Construction:** Manufactured from high-quality, lightweight, and water-resistant materials, ensuring strength and long-lasting performance. Rated IP65 for water and dust protection.

- **Wide Voltage Compatibility:** Designed to operate with 24V, 36V, and 48V electric bicycle systems.

- **Comprehensive Data Display:** Provides valuable statistics including remaining battery power, current speed, average speed, maximum speed, clock, and total/trip mileage.

- **User-Friendly Interface:** Simple controls allow for easy operation and quick access to display functions, including turning the e-bike system on and off.

## SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your S830 display. Follow these steps carefully.

1. **Mounting the Display:** Securely attach the display unit to your bicycle's handlebar using the integrated bracket. The bracket is designed for a diameter of approximately 22.2mm (0.9in). Ensure the display is positioned for clear visibility and easy access to buttons.

2. **Connecting the Cables:** Locate the 5-pin Julet type male connector on the display unit. Connect it to the corresponding female connector on your e-bike's wiring harness. Ensure the connection is firm and secure to maintain waterproof integrity.

3. **Power Connection:** Verify that your e-bike's battery voltage matches the display's compatibility (24V, 36V, or 48V). Incorrect voltage can damage the unit.

4. **Initial Power On:** Once connected, power on your e-bike system. The display should illuminate and show initial data.



Figure 2: Rear view of the EBIKELING S830 display, showing the integrated USB port for potential firmware updates or charging small devices. The image also highlights the flat design of the unit.

## OPERATING INSTRUCTIONS

The S830 display provides intuitive control over your e-bike's functions and real-time data.

### Basic Operation

- **Power On/Off:** Press and hold the power button (usually the middle button) to turn the display and e-bike system on or off.

- **Changing Display Modes:** Short press the 'M' (Mode) button to cycle through different data displays such as current speed, average speed, maximum speed, trip distance, total distance, and clock.

- **Adjusting Pedal Assist Level (PAS):** Use the '+' and '-' buttons to increase or decrease the pedal assist level. The

current PAS level will be indicated on the screen.

## Advanced Settings

Accessing advanced settings typically involves a combination of button presses. Refer to your e-bike controller's manual for specific instructions on how the S830 interacts with it for advanced configurations like wheel size calibration or speed limit settings.



Figure 3: The EBIKELING S830 LCD display mounted on an electric bicycle handlebar, showing its clear screen with speed, battery, and PAS indicators. The image demonstrates the display's readability in an outdoor setting.

## MAINTENANCE

Regular maintenance ensures the longevity and reliability of your S830 display.

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the screen or casing.
- **Connection Check:** Periodically inspect all cable connections, especially the 5-pin Julet connector, to ensure they are

secure and free from corrosion or damage.

- **Water Exposure:** While the display is IP65 waterproof, avoid submerging it in water. If exposed to heavy rain, wipe it dry as soon as possible.
- **Storage:** When not in use for extended periods, store the e-bike and display in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

If you encounter issues with your S830 display, refer to the following common problems and solutions.

| Problem | Possible Cause | Solution |
|---------|---------------|----------|
| Display does not power on. | Loose connection, low battery, faulty wiring. | Check all cable connections. Ensure battery is charged. Inspect wiring for damage. |
| Inaccurate speed/distance readings. | Incorrect wheel size setting, faulty speed sensor. | Verify wheel size setting in advanced menu (if available). Check speed sensor connection and function. |
| Buttons are unresponsive. | Dirt/debris under buttons, internal fault. | Clean around buttons. If issue persists, contact support. |
| Display shows error code. | Specific system fault. | Refer to your e-bike controller's manual for error code definitions and solutions. |

## SPECIFICATIONS

| Feature | Detail |
|---------|--------|
| Model Number | S830-Display |
| Brand | EBIKELING |
| Display Type | LCD |
| Color | Black |
| Sensor Type | Speed Sensor |
| International Protection Rating | IP65 |
| Mounting Type | Handlebar Mount (approx. 22.2mm diameter) |
| Human Interface Input | Buttons |
| Material | Plastic |
| Compatible Voltages | 24V, 36V, 48V |
| UPC | 638414595777 |

## WARRANTY INFORMATION

The EBIKELING S830 LCD Display Control Panel comes with a **2-year warranty** from the date of purchase. This

warranty covers manufacturing defects and material flaws under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.
Please retain your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims, please contact EBIKELING customer support. You can find contact information on the official EBIKELING website or through your point of purchase.
We are dedicated to providing a satisfying experience and will respond to your queries promptly.

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LCD S830 User Manual 1. Exterior Parameters Casing Material: ABS Display Material: High Hardness Acrylic the same hardness value as tempered glass . Single Supporter Converter Ring 22.2mm 2. Operating Voltage and Connections a. Operating Voltage: DC24V/36V/48V/52V/72V set by the control pane...
lang:en score:40 filesize: 2.97 M page_count: 9 document date: 2023-05-17

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