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› Acouto S966 LCD Display Panel User Manual for Electric Bikes

Acouto S966

Acouto S966 LCD Display Panel User Manual

Model: S966 | Brand: Acouto

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Acouto S966 LCD Display Panel for electric bikes. Designed to offer clear and intuitive data display, this panel enhances your riding experience by providing crucial information at a glance. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Always ensure the display panel is securely mounted before riding.
- Do not attempt to disassemble or modify the display panel, as this may void the warranty and cause damage.
- Keep the display panel away from extreme temperatures, direct sunlight for prolonged periods, and excessive moisture.
- Ensure all connections are dry and secure before powering on your electric bike.
- Focus on the road while riding; only check the display when it is safe to do so.

3. PACKAGE CONTENTS

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

- 1 x Acouto S966 LCD Display Panel
- 1 x User Manual (this document)

4. PRODUCT OVERVIEW

The Acouto S966 LCD Display Panel is designed for electric bikes, providing essential riding data in a clear, easy-to-read format. It features a compact design and a user-friendly interface.



Figure 4.1: Front view of the Acouto S966 LCD Display Panel, showing the screen and attached control buttons.



Figure 4.2: Detailed view of the S966 LCD screen, displaying speed, battery level, error indicators, and gear selection.



Figure 4.3: Rear view of the display panel, illustrating the mounting bracket and cable connections.

5. SPECIFICATIONS

Feature	Specification
Model	S966
Material	ABS
Voltage Compatibility	24-72V
Handlebar Diameter	22.2mm
Weight	230 Grams (approx. 8.04 oz)
Communication Protocol	Protocol 2 (requires compatible controller)

6. SETUP AND INSTALLATION

The Acouto S966 LCD Display Panel is designed for straightforward installation on standard 22.2mm handlebars.

- 1. Prepare Handlebars:** Ensure the handlebar area where you intend to mount the display is clean and free of obstructions.
- 2. Mount the Bracket:** Attach the provided LCD display bracket to your 22.2mm handlebar. Use appropriate tools to tighten the screws securely, ensuring the display is stable and does not rotate freely.
- 3. Insert Display Panel:** Slide the S966 LCD display panel into the mounted bracket until it clicks into place or is firmly secured.
- 4. Connect Cables:** Carefully connect the display panel's cable to your electric bike's controller. Ensure that your controller supports communication protocol 2 for optimal functionality. Match the connectors and push them firmly together.
- 5. Secure Cables:** Route and secure the cables along your bike frame using cable ties or clips to prevent them from interfering with steering or moving parts.
- 6. Test Functionality:** After installation, power on your electric bike and verify that the display panel illuminates and shows data correctly.

7. OPERATING INSTRUCTIONS

The S966 LCD display provides clear and intuitive information about your electric bike's status and performance.

7.1 Displayed Information

- **Speed:** Current riding speed (km/h or mph).
- **Battery Status:** Visual indicator of remaining battery charge.
- **Gear/Assist Level:** Current pedal assist level (e.g., ECO, STD, SPORT).
- **Odometer (ODO):** Total distance traveled.
- **Trip Distance (TRIP):** Distance traveled during the current ride.
- **Average Speed (AVG):** Average speed for the current trip.
- **Maximum Speed (MAX):** Maximum speed reached during the current trip.
- **Error Indicator:** Displays 'ERROR' if a system fault is detected.

7.2 Control Buttons

The attached control buttons allow you to interact with the display:

- **Power Button (M):** Typically used to power the display on/off (long press) and cycle through display modes or information (short press).
- **Up/Down Buttons (Arrows):** Used to adjust pedal assist levels, navigate menus, or change settings.

Refer to your electric bike's main controller manual for specific button functions and advanced settings, as these can vary depending on the overall e-bike system.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Acouto S966 LCD Display Panel, follow these maintenance guidelines:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the ABS material and screen.
- **Protection:** While the display is robust, avoid exposing it to heavy impacts or extreme weather conditions for extended periods.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.
- **Storage:** If storing your electric bike for an extended period, ensure the display is clean and stored in a dry, temperate environment.

9. TROUBLESHOOTING

If you encounter issues with your S966 LCD Display Panel, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Display does not power on	Loose cable connection, low bike battery, incompatible controller.	Check all cable connections. Ensure bike battery is charged. Verify controller supports Protocol 2.
Display shows 'ERROR'	System fault detected by the controller.	Consult your electric bike's main manual for error code interpretations. Check motor, battery, and sensor connections.
Incorrect speed/distance readings	Wheel circumference setting incorrect, loose speed sensor.	Check and adjust wheel circumference settings (if available). Ensure speed sensor is properly installed and aligned.
Buttons unresponsive	Moisture ingress, internal fault.	Ensure buttons are dry. If problem persists, contact support.

If troubleshooting steps do not resolve the issue, please contact customer support for further assistance.

10. WARRANTY INFORMATION

The Acouto S966 LCD Display Panel comes with a manufacturer warranty for 90 days from the date of purchase. This warranty covers defects in materials and workmanship 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.

11. SUPPORT

For technical support, warranty claims, or any questions regarding your Acouto S966 LCD Display Panel, please refer to the contact information provided by your retailer or visit the official Acouto website.

Online Resources: [Acouto Store on Amazon](#)