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Acouto Acoutoopwyfbekxt

Acouto M5 LCD Display User Manual

For Electric and Scooter Modification

1. Product Overview

The Acouto M5 LCD Display is an essential component for enhancing the performance and functionality of your electric bike or scooter. This display provides real-time data and control options, ensuring you stay informed and in command during your rides. Its robust ABS construction ensures durability and protection for internal circuits.



Figure 1: Acouto M5 LCD Display with its wired control unit and connection cable.

2. Key Features

- **Versatile Compatibility:** Designed to fit electric bikes and scooters with installation diameters of 31.8mm and 22.2mm.
- **Comprehensive Display Functions:** Shows speed, assist gear, power indicator, fault prompts, total mileage, single mileage, and headlight status.
- **Durable Construction:** Crafted from lightweight and robust ABS material, providing excellent protection for internal circuits.
- **Compact and Portable Design:** Easy to install, carry, and store, minimizing bulk on your vehicle.

- **User-Friendly Interface:** Features easy-to-use switch buttons for intuitive navigation and control.

3. Setup and Installation

Proper installation is crucial for the optimal performance of your M5 LCD Display. Please follow these steps carefully:

1. **Choose Mounting Location:** Select a suitable position on your handlebar. The display supports handlebar diameters of 31.8mm and 22.2mm. Ensure the display is easily visible and accessible.
2. **Secure the Display:** Use the provided mounting bracket to firmly attach the M5 LCD Display to the handlebar. Tighten all screws securely, but do not overtighten to avoid damage.



Figure 2: Side view of the M5 display showing its mounting mechanism.

3. **Connect the Control Unit:** Attach the separate control unit (with buttons) to a convenient location on your handlebar, typically near your thumb for easy operation.



Figure 3: Close-up of the control unit with its intuitive buttons.

4. **Wiring:** Connect the display's wiring harness to your electric bike/scooter's controller.**Important:** This product operates on the No. 2 communication protocol. It must be used with a controller that also supports the No. 2 communication protocol for compatibility. Incorrect protocol usage will prevent the display from functioning.



Figure 4: The wiring harness for connecting the display to the controller.

5. **Cable Management:** Route all cables neatly and securely, ensuring they do not interfere with steering or moving parts. Use cable ties if necessary.
6. **Initial Power On:** After installation, power on your electric bike/scooter to check if the display initializes correctly.

4. Operating Instructions

The M5 LCD Display provides a clear interface for monitoring your ride. Here's how to operate it:

- **Power On/Off:** Press and hold the power button on the control unit to turn the display on or off.
- **Information Display:** The main screen will show various data points:
  - **Speed Display:** Current riding speed.
  - **Assist Gear Display:** Current level of pedal assist (if applicable).
  - **Power Indicator:** Remaining battery power.
  - **Fault Prompt:** Displays error codes or warnings if an issue is detected.
  - **Total Mileage:** Accumulated distance traveled.
  - **Single Mileage:** Distance traveled during the current trip.
  - **Headlight Display:** Indicates if the headlights are on (if connected and supported).
- **Navigation Buttons:** Use the arrow buttons on the control unit to cycle through different display modes or adjust settings (e.g., assist level). Refer to your electric bike/scooter's main controller manual for specific button functionalities related to your vehicle's system.
- **Headlight Control:** If your system supports it, a dedicated button on the control unit may activate or deactivate the headlights.

5. Maintenance

To ensure the longevity and optimal performance of your M5 LCD Display, follow these maintenance guidelines:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the screen or casing.
- **Water Exposure:** While the display has good waterproof performance, avoid submerging it in water or exposing it to heavy rain for extended periods. Dry any moisture promptly.
- **Temperature:** Avoid exposing the display to extreme temperatures (very hot or very cold) for prolonged periods, as this can affect its performance and lifespan.
- **Physical Damage:** Protect the display from impacts and drops. Ensure cables are not pinched or strained.

6. Troubleshooting

If you encounter issues with your M5 LCD Display, consider the following common problems and solutions:

- **Display Not Turning On:**
  - Check if the electric bike/scooter's main power is on.
  - Verify all cable connections are secure and properly seated.
  - Ensure your controller uses the No. 2 communication protocol. If not, the display will not be compatible.
  - Check the battery level of your electric bike/scooter.
- **Incorrect Data Displayed (e.g., Speed, Mileage):**
  - Ensure the display is correctly configured with your controller's settings (if applicable).
  - Check for any loose connections between the display and the controller.
- **"Fault Prompt" or Error Codes:**
  - Note down the error code displayed.
  - Consult your electric bike/scooter's main controller manual for the meaning of specific fault codes.
  - Often, these indicate issues with the motor, battery, or other components connected to the controller.
- **Buttons Not Responding:**
  - Check the connection of the control unit to the main display.
  - Ensure no debris is lodged under the buttons.

If problems persist, contact Acouto customer support or a qualified technician.

7. Specifications

Feature	Detail
Product Material	ABS
Voltage	DC 24V / 36V / 48V / 60V / 64V (Universal)
Suitable Handlebar Diameter	31.8mm (1.25in) and 22.2mm (0.87in)

Feature	Detail
Communication Protocol	No. 2 Communication Protocol
Item Package Dimensions	5.12 x 3.94 x 3.15 inches
Package Weight	233 Grams (8.2oz)
Model Name	Acoutoopwyfbekxt
Manufacturer	Acouto

8. Warranty and Support

The Acouto M5 LCD Display comes with a manufacturer warranty for**90 days** from the date of purchase.
For technical support, warranty claims, or further inquiries, please visit the official Acouto Store or contact their customer service through the platform where you purchased the product.
Official Acouto Store: Acouto Store on Amazon

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