

Lioaeust 2212W1F2IW8NMMFZKKX46EX

LT01 LCD Display Control Panel User Manual

For Electric Scooters 36-60V Compatible

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Lioaeust LT01 LCD Display Control Panel. Designed for electric scooters operating within a 36-60V range, this control panel offers essential riding information and intuitive control. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical components and operating electric scooters. Adhere to the following guidelines:

- Ensure the scooter's power is off before attempting any installation or maintenance.
- Disconnect the battery before connecting or disconnecting the display panel.
- Verify that the voltage range of your scooter's electrical system is compatible with the 36-60V range of this display.
- If you are unsure about any installation steps, consult a qualified technician.
- Keep the display panel dry and away from extreme temperatures.

3. PRODUCT OVERVIEW

The Lioaeust LT01 LCD Display Control Panel is a robust and user-friendly replacement part for various electric scooter models, including for Mantis 10, for Wolf Electric Scooter, and for Kaabo Mantis8. It features a clear LCD screen and durable ABS construction.



Figure 3.1: Front view of the LT01 LCD Display Control Panel, showing the circular LCD screen, power button, and mode button.

Key Features:

- **Wide Compatibility:** Designed for electric scooters with a 36-60V system, including specific models like Mantis 10, Wolf Electric Scooter, and Kaabo Mantis8.
- **Durable Construction:** Made from high-grade ABS material for enhanced durability and resistance to wear and tear.
- **Clear LCD Display:** Provides real-time information such as speed, battery level, and other critical data.
- **Intuitive Controls:** Features easy-to-use buttons for power and mode selection.
- **6-Pin Connection:** Ensures a secure and reliable connection to your scooter's electrical system.

4. SETUP AND INSTALLATION

The LT01 LCD Display Control Panel is designed for straightforward installation. Follow these steps carefully:

1. **Prepare the Scooter:** Ensure your electric scooter is turned off and the battery is disconnected to prevent accidental power surges or short circuits.
2. **Remove Old Display (if applicable):** Carefully detach any existing display panel from the handlebar. Note the routing of the old cable.
3. **Mount the New Display:** Position the LT01 display on your scooter's handlebar in a comfortable and visible location. Secure it firmly using the integrated clamp and screws.
4. **Connect the 6-Pin Cable:** Locate the 6-pin connector on your scooter's wiring harness. Align the pins of

the LT01 display cable with the connector and push firmly until it clicks into place. Ensure a snug fit.



Figure 4.1: The LT01 display showing its 6-pin connector, essential for connecting to the scooter's electrical system.

1. **Secure Wiring:** Route the cable neatly along the handlebar and frame, securing it with cable ties if necessary, to prevent it from snagging or interfering with steering.
2. **Reconnect Battery:** Once the display is securely mounted and connected, reconnect your scooter's battery.
3. **Test Functionality:** Turn on your scooter and verify that the LT01 display powers on and shows information correctly. Test the power and mode buttons.

5. OPERATING INSTRUCTIONS

The LT01 LCD Display Control Panel provides essential information and controls for your electric scooter. Familiarize yourself with its functions:



Figure 5.1: Close-up view of the power and mode buttons on the LT01 display.

- **Power On/Off:** Press and hold the **Power Button** (red button with power symbol) to turn the display and scooter on or off.
- **Mode Selection:** Press the **Mode Button** (gray button labeled "MODE") to cycle through different display modes, which may include:
 - Current Speed (km/h or mph)
 - Battery Level Indicator
 - Trip Distance

- Total Odometer
- Voltage Reading
- **Monitoring Information:** The LCD screen will clearly show your current speed, remaining battery charge, and other selected metrics.

Always ensure you are familiar with your scooter's specific controls and features in conjunction with this display.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your LT01 LCD Display Control Panel:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the ABS material or screen.
- **Protection:** While the ABS construction is durable, avoid exposing the display to prolonged direct sunlight, extreme temperatures, or heavy rain.
- **Connection Check:** Periodically inspect the 6-pin connection to ensure it remains secure and free from corrosion or damage.
- **Storage:** If storing the scooter for an extended period, ensure the display is clean and dry.

7. TROUBLESHOOTING

If you encounter issues with your LT01 LCD Display Control Panel, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display does not power on.	Loose 6-pin connection, scooter battery low/disconnected, faulty display.	Check 6-pin connection. Ensure scooter battery is charged and connected. If problem persists, contact support.
Incorrect speed/battery reading.	Improper scooter settings, sensor issue, display malfunction.	Verify scooter's internal settings (if accessible). Check sensor connections.
Buttons are unresponsive.	Debris under buttons, internal fault.	Gently clean around buttons. If unresponsive, contact support.

For issues not listed here or if solutions do not resolve the problem, please contact Lioaeust customer support.

8. SPECIFICATIONS

Attribute	Detail
Product Name	LT01 LCD Display Control Panel
Brand	Lioaeust

Attribute	Detail
Model Number	2212W1F2IW8NMMFZKXX46EX
Material	ABS
Color	Black
Voltage Compatibility	36-60V
Connection Type	6-pin
Product Dimensions	3.94 x 3.94 x 1.97 inches
Item Weight	3.92 ounces
Country of Origin	China
Date First Available	April 2, 2025

9. WARRANTY AND SUPPORT

This Lioaeust product is manufactured with high-quality standards. For any questions, technical assistance, or warranty inquiries, please contact Lioaeust customer support through your point of purchase or the official Lioaeust website. Please have your product model number (2212W1F2IW8NMMFZKXX46EX) and purchase details ready when contacting support.

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