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› [Mcezdy Ebike LCD Display M5C-2\(BLE\)-6-Pin User Manual](#)

## Mcezdy M5C-2(BLE)-6-Pin

# Mcezdy Ebike LCD Display M5C-2(BLE)-6-Pin User Manual

Model: M5C-2(BLE)-6-Pin

## 1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Mcezdy M5C-2(BLE)-6-Pin Ebike LCD Display. This advanced cycling computer is designed to provide essential riding data, smart connectivity, and convenient features for your electric bicycle. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1: Mcezdy M5C-2 Ebike LCD Display showing current speed, pedal assist level, and battery voltage.

## 2. KEY FEATURES

- **Vibrant Color Screen:** Provides clear and easy-to-read riding data.

- **Personalized Control:** Features walk-assist mode, cruise control, real-time trip and total mileage tracking, voltage display, and adjustable bike parameters (wheel diameter, speed limits).
- **Smart Connectivity:** Syncs with cycling applications via Bluetooth for route recording and statistics.
- **On-the-Go Charging:** Integrated Type-C charging port (5V/500mA output) for mobile devices.
- **Durable Construction:** IPX65 waterproof rating, rugged ABS and PC housing, tempered glass screen, and nylon bracket for all-weather use.
- **Wide Voltage Compatibility:** Supports 24V, 36V, 48V, and 60V battery systems.



Figure 2: Overview of M5C-2 display functions.

### 3. IMPORTANT COMPATIBILITY NOTE

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This Ebike LCD display operates exclusively with controllers using the **UART No. 2 protocol**. It is not compatible with other UART protocols. Ensure your Ebike controller supports UART No. 2 to avoid compatibility issues.

#### How to Determine Your Ebike's Communication Protocol:

1. Consult your Ebike's user manual or technical documentation.
2. Check your existing Ebike display for protocol information.
3. Contact your Ebike manufacturer for specific details.



## Attention

Please be aware, this display is only compatible with controllers using the UART No.2 protocol, not other UART protocols. This ensures compatibility with your e-bike and helps avoid any compatibility issues.



5-Pin



6-Pin

Before purchasing, please confirm whether your e-bike's connector type is 5-pin or 6-pin.

Figure 3: Compatibility warning and connector types (5-Pin and 6-Pin).

## 4. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Mcezdy
Model Name	M5C-2(BLE)-6-Pin

Display Type	LCD
Connectivity Technology	Bluetooth
Protocol	UART No. 2
Voltage Compatibility	24V, 36V, 48V, 60V
Waterproof Rating	IPX65
Material	ABS, PC, Tempered Glass, Nylon
Mounting Type	Handlebar Mount (22.2mm, 25.4mm, 28.6mm, 31.8mm)
Included Components	LCD Display, User's Manual, Fault Code Description



Figure 4: M5C-2 display dimensions and cable length.

## 5. SETUP AND INSTALLATION

Follow these steps to properly install your Mcezdy LCD Display on your Ebike.

### 5.1 Mounting the Display

1. Loosen the screws on the display's handlebar mount.
2. Position the display on your Ebike's handlebar. The adjustable mount accommodates handlebar diameters of

22.2mm, 25.4mm, 28.6mm, and 31.8mm.

3. Tighten the screws securely to prevent movement during riding.

## Compatible With Most Handlebars



**The adjustable mount fits handlebar diameters of 22.2mm, 25.4mm, 28.6mm and 31.8mm, fitting most bicycles and ensuring a perfect fit.**

Figure 5: Display mounted on a handlebar, demonstrating adjustable fit.

### 5.2 Connecting the Cables

1. Identify the display's cable connector (either 5-Pin or 6-Pin).
2. Locate the corresponding connector on your Ebike's controller or wiring harness.
3. Carefully align and connect the display cable to the Ebike's system. Ensure a firm connection.

Your browser does not support the video tag.

Video 1: This video demonstrates the physical installation and initial power-on sequence of the Mcezdy Ebike Display, including mounting and cable connections.

## 6. OPERATING INSTRUCTIONS

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Familiarize yourself with the display's controls and functions.

### 6.1 Power On/Off

- **To Power On:** Press and hold the power button (usually marked with a power symbol) on the control pad for a few seconds until the display illuminates.
- **To Power Off:** Press and hold the power button again until the display turns off.

### 6.2 Switching Assistance Modes (PAS Levels)

Use the '+' and '-' buttons on the control pad to adjust the pedal assist (PAS) level. Higher numbers indicate more motor assistance.

### 6.3 Toggling Display Parameters

Briefly press the power button to cycle through different display parameters such as Trip Distance, Odometer (ODO), Max Speed, Average Speed, Range, Calorie Consumption, and Cadence.

### 6.4 App Connection (Bluetooth)

The M5C-2 display supports Bluetooth connectivity for integration with cycling applications. This allows you to record routes, track stats, and potentially adjust settings via your smartphone.

1. Download the recommended cycling app (e.g., 'LINGHUI' as indicated in product images) from your smartphone's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Power on the Ebike display.
4. Open the cycling app and follow the in-app instructions to connect to your M5C-2 display.

Your browser does not support the video tag.

Video 2: This video demonstrates the Bluetooth connection process between the Mcezdy Ebike Display and a smartphone application.

# LINGHUI APP Support



Please scan the QR code to download "LINGHUI" App from App Store. Record your every cycling.



Figure 6: Smartphone app interface for M5C-2 display.

## 7. ADVANCED SETTINGS

The display allows for customization of various parameters to suit your riding preferences.

### 7.1 Accessing the Main Menu

To enter the main menu, press and hold the '+' and '-' buttons simultaneously for a few seconds. Navigate through the menu using the '+' and '-' buttons, and confirm selections with the power button.

## 7.2 Customizable Parameters (Examples)

- **Wheel Diameter:** Adjust for accurate speed and distance readings.
- **Speed Limit:** Set the maximum assisted speed according to local regulations or personal preference.
- **Brightness:** Adjust display backlight intensity.
- **Auto-Off Time:** Configure the time before the display automatically shuts off due to inactivity.
- **Unit Selection:** Switch between metric (km/h) and imperial (mph) units.
- **Trip Reset:** Reset trip distance data.

## 8. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your display.

- **Cleaning:** Wipe the display screen with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Water Exposure:** While IPX65 rated for water resistance, avoid prolonged submersion or high-pressure water jets. Ensure the Type-C charging port cover is securely closed when not in use.
- **Storage:** Store the Ebike and display in a dry, cool place away from direct sunlight when not in use.
- **Cable Inspection:** Periodically check all cables and connectors for any signs of wear, damage, or loose connections.

## 9. TROUBLESHOOTING

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Refer to this section for common issues and their solutions.

### 9.1 Display Not Powering On

- Ensure the Ebike battery is charged and properly connected.
- Check all cable connections between the display and the controller for looseness or damage.
- Verify that the power button is being pressed and held for the required duration.

### 9.2 Incorrect Speed/Distance Readings

- Access the advanced settings menu and verify that the wheel diameter is correctly set for your Ebike.
- Ensure the speed sensor on your Ebike is properly installed and functioning.

### 9.3 Displaying Error Codes

If the display shows an error code, refer to the 'Fault Code Description' document included with your product for specific meanings and troubleshooting steps. Common issues may include motor, controller, or sensor malfunctions.

### 9.4 Bluetooth Connectivity Issues

- Ensure the display is powered on and within range of your smartphone.
- Restart both the display and your smartphone.
- Check the app's settings to ensure it has permission to use Bluetooth.

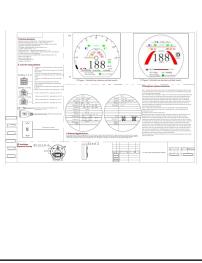
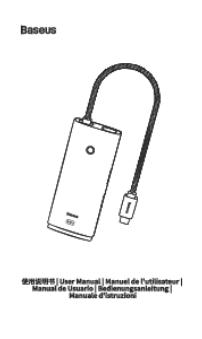
## 10. WARRANTY AND SUPPORT

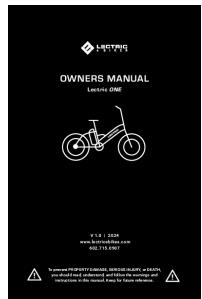
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The Mcezdy M5C-2(BLE)-6-Pin Ebike LCD Display comes with a **1-Year Manufacturer Warranty**.

For technical support, warranty claims, or further assistance, please contact Mcezdy customer service through the retailer where you purchased the product or visit the official Mcezdy website.

## Related Documents - M5C-2(BLE)-6-Pin

	<p><a href="#">KAOLALI Motorcycle Speedometer User Guide and Functions</a></p> <p>A comprehensive guide to the KAOLALI Motorcycle GPS Speedometer, detailing its functions, interface indicators, and wiring connections for optimal use.</p>
	<p><a href="#">3.6-inch Smart Speedometer Manual and Wiring Guide</a></p> <p>This document provides a comprehensive overview of the 3.6-inch smart speedometer, including its functions, background operation instructions, software upgrade process, and detailed lead wire definitions for installation. It covers Bluetooth connectivity, display modes, battery level indicators, audio output, protection levels, and customization options. The manual also details the wiring for DJ7091A and DJ7021 models, along with instructions for software updates and speed coefficient adjustments.</p>
	<p><a href="#">EVOLVEO Pulse Power Supply Unit User Manual and Installation Guide</a></p> <p>Comprehensive user manual for the EVOLVEO Pulse power supply unit, covering installation, protection features, troubleshooting, important safety precautions, and disposal information. Includes product specifications and compliance details.</p>
	<p><a href="#">Magicshine HORI 1300 User Manual and Operation Guide</a></p> <p>This user manual provides comprehensive instructions for the Magicshine HORI 1300 bike light, including setup, operation, charging, battery status indicators, and remote control functionality. Learn how to install, pair, and use the light for optimal cycling performance.</p>
	<p><a href="#">Baseus AirJoy 6-Port Type-C HUB Adapter User Manual</a></p> <p>Comprehensive user manual for the Baseus AirJoy 6-Port Type-C HUB Adapter, detailing specifications, port descriptions, usage instructions, cautions, and frequently asked questions.</p>



### [Lectric ONE Owner's Manual: Safe Riding and Maintenance Guide](#)

Comprehensive owner's manual for the Lectric ONE electric bike, covering safety information, assembly, features, riding tips, maintenance, and legal aspects. Learn how to operate and care for your Lectric eBike.