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Mcezdy Ebike Display User Manual

MODEL: M7C-2-5-PIN (WATERPROOF)

Brand: Mcezdy

1. INTRODUCTION

The Mcezdy M7C-2-5-Pin (Waterproof) Ebike Display is an advanced LCD cycling computer designed to enhance your electric biking experience. It provides real-time data and essential information directly at your fingertips, ensuring a more informed and enjoyable ride.

Important Compatibility Note:

- This M7C-2 ebike display is designed for systems using the **UART No. 2 protocol**. It will only function correctly with controllers that utilize the same protocol.
- Ensure your ebike controller is compatible with the **5-pin connector** of this M7C-2-5WP model.

To determine your ebike's communication protocol:

1. Consult the user manual or technical documentation provided by your ebike manufacturer.
2. Check your ebike's current display for any indication of the communication protocol it uses.
3. Contact your ebike manufacturer directly for detailed information regarding compatible communication protocols.

Attention!

Please check if your ebike is compatible with the **UART NO.2 Protocol**



Image: The Mcezdy M7C-2 Ebike Display seamlessly integrated onto an ebike's handlebars, displaying essential riding information such as current speed and battery charge level.

2. SETUP AND INSTALLATION

The Mcezdy M7C-2-5-Pin display is designed for straightforward installation. The flexible bracket accommodates handlebar sizes of 22.2mm, 25.4mm, and 31.8mm, ensuring a secure fit for most bicycles. The display connects via a 5-pin waterproof cable (JL-F-Z509AG) with an exposed length of 150mm.

1

Advanced Color LCD Display



Choose from 5 Cable Types

- Waterproof 5-Pin Connector
- Waterproof 6-Pin Connector
- 5-Core Connector
- 6-Core Connector
- 7-Core Connector

2

3

A Keypad for Effortless Adjust Display Settings



Image: The M7C-2 display's adjustable mount is compatible with common handlebar diameters (22.2mm, 25.4mm, and 31.8mm), allowing for universal fit on most ebikes.

Installation Video Guide

For a visual step-by-step guide on installing your M7C-2 Ebike Display, please refer to the official installation video below:

Your browser does not support the video tag.

Video: Official M7C-2 Ebike Display Installation Video. This video demonstrates the process of securely mounting the display to your ebike's handlebars and connecting the necessary cables for proper function.

3. OPERATING INSTRUCTIONS

The M7C-2 display offers a vibrant color screen and intuitive controls to manage your ebike's functions. Key features include:

- **Real-time Data:** View current speed, trip distance, total mileage, and battery voltage.
- **PAS Control:** Adjust Pedal Assist System (PAS) levels for varying assistance.

- **Walk-Assist Mode:** Provides low-speed assistance for walking alongside your bike.
- **Cruise Control:** Maintain a consistent speed without continuous throttle input.
- **Parameter Modification:** Customize settings such as wheel diameter and speed limits.
- **USB Charging Port:** A built-in 5V/500mA USB port allows convenient charging of mobile devices on the go.



Image: A detailed view of the M7C-2 display's interface, highlighting the various metrics and indicators available to the rider, including speed, pedal assist level, battery status, odometer, trip distance, voltage, and current.

Compatible With Most Handlebars



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

Image: The M7C-2 display features a convenient built-in USB port, demonstrated here charging a mobile device, allowing riders to power their electronics during their cycling journey.

4. MAINTENANCE

The Mcezdy M7C-2 Ebike Display is constructed with a rugged ABS and PC housing, a tempered glass screen, and a nylon bracket, designed for durability against various terrains and weather conditions. To ensure its longevity and optimal performance, follow these general maintenance guidelines:

- **Cleaning:** Gently wipe the display screen and housing with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the screen or materials.
- **Protection:** While waterproof (IPX65 rated), avoid submerging the display in water for extended periods. Protect it from direct, high-pressure water sprays.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.
- **Storage:** When not in use for extended periods, store the ebike in a dry, temperate environment to protect the display and other electronic components.

5. TROUBLESHOOTING

If you encounter issues with your Mcezdy M7C-2 Ebike Display, consider the following common troubleshooting steps:

- **Display Not Powering On:**
 - Check that the ebike battery is charged and properly connected.
 - Verify all cable connections between the display and the controller are secure.
 - Ensure the ebike's power button (if separate from the display) is activated.
- **Error Codes:** The display may show error codes (e.g., "Error Code 10"). Refer to the "Fault Code Description" section in the included User's Manual for specific meanings and recommended actions.
- **Inaccurate Readings:** If speed or distance readings appear incorrect, check the wheel diameter setting in the display's parameters. Ensure it matches your ebike's wheel size.
- **Intermittent Functionality:** Inspect cables for any visible damage, kinks, or loose connections. Ensure the 5-pin waterproof connector is fully seated.

If problems persist after attempting these steps, please contact Mcezdy customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	Mcezdy
Model Name	M7C-2-5-Pin (Waterproof)
Color	Black
Display Type	LCD
Sensor Type	Cycling Speed Sensor
Battery Cell Composition	Lithium Ion
Connectivity Technology	UART NO.2 (Wired)
Included Components	Fault Code Description, LCD Display, User's Manual
International Protection Rating	IPX65
Mounting Type	Handlebar Mount
Human Interface Input	Touchscreen
Material	Plastic (ABS and PC housing, tempered glass screen, nylon bracket)
Suggested Users	Unisex-Adult
Work Voltage	DC24V, 36V, 48V, 60V
Cable Length Exposed	Waterproof Cable: 150mm, Normal Cable: 1800mm
Item Package Dimensions (L x W x H)	4.96 x 4.02 x 3.03 inches
Package Weight	0.24 Kilograms



Image: This graphic provides key physical specifications of the M7C-2 display, including its dimensions (2.6" x 3.9"), exposed cable lengths for both waterproof (150mm) and normal (1800mm) cables, compatible product models, and supported work voltages (DC24V, 36V, 48V, 60V).

7. WARRANTY AND SUPPORT

The Mcezdly M7C-2-5-Pin (Waterproof) Ebike Display comes with a **1-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any inquiries regarding your product, please contact Mcezdly customer support through the official channels provided at the time of purchase or on the Mcezdly brand website.