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Mcezdy P5C-6-Pin

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Model: P5C-6-Pin

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Mcezdy P5C-6-Pin Ebike LCD Display. This display is designed to enhance your electric bike experience by providing real-time data and control over various functions.

Important Compatibility Note: This P5C ebike display operates using the **UART No. 2 protocol**. Ensure your ebike controller is compatible with this protocol and features a **6-pin connector** for proper functionality.



Image: Mcezdy P5C Ebike LCD Display. This image highlights the critical requirement for UART No. 2 protocol compatibility.

The display features a durable ABS+PC housing, a tempered glass screen for clarity and scratch resistance, and an IPX65 waterproof rating for protection against water splashes and rain.

SETUP AND INSTALLATION

- 1. Verify Compatibility:** Before installation, confirm that your ebike controller uses the UART No. 2 protocol and has a compatible 6-pin connector. Incompatible systems will not function correctly.
- 2. Mounting the Display:**

The display comes with an adjustable mount designed to fit handlebars with a diameter of 22.2mm. Position the display on the left side of your handlebar for optimal viewing and access to controls. Secure the mount firmly using the provided hardware.



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

Image: The Mcezy P5C Ebike LCD Display mounted on a handlebar, demonstrating the adjustable mount for 22.2mm handlebars.

3. Connecting the Cable:

Locate the 6-pin waterproof cable (model JL-F-Z609AG) on your display. The exposed cable length is 150mm. Carefully connect this cable to the corresponding 6-pin connector on your ebike controller.

Ensure the connection is secure and fully seated to prevent water ingress and ensure reliable communication.



Image: A selection of ebike display connector types, including the 6-pin connector relevant to this model. Ensure you use the correct connector for your system.

4. **Powering On:** Once securely mounted and connected, power on your ebike. The display should illuminate, indicating a successful connection.

OPERATING INSTRUCTIONS

The P5C-6-Pin display provides comprehensive information and control features for your ebike. Familiarize yourself with the display layout and button functions.

Give All Metrics You Need



Image: The Mcezy P5C Ebike LCD Display illustrating key metrics such as speed, battery level, Pedal Assist System (PAS) level, and voltage.

Display Metrics:

- **Speed:** Current riding speed (km/h or mph).
- **Battery Level:** Real-time battery charge indicator.
- **PAS (Pedal Assist System):** Current assist level.
- **Voltage (VOL):** Real-time battery voltage.
- **Headlight Indicator:** Shows if the ebike's headlight is active.
- **Trip Mileage:** Distance covered during the current ride.
- **Total Mileage (ODO):** Total distance covered by the ebike.

Functions and Controls:

- **Power On/Off:** Typically controlled by a dedicated button on the display or ebike system. Refer to your ebike's main manual for specific power procedures.
- **PAS Level Adjustment:** Use the '+' and '-' buttons (or similar controls) to increase or decrease the pedal assist level.
- **Walk-Assist Mode:** Activates a low-speed assist for walking the ebike. Consult your ebike's manual for activation method, usually by holding a specific button.

- **Cruise Control:** Allows the ebike to maintain a set speed without continuous throttle input. Activation varies by ebike model; refer to your ebike's manual.
- **Parameter Modification:** The display allows customization of certain parameters such as wheel diameter and speed limit. Accessing these settings typically involves a sequence of button presses. *Exercise caution when modifying parameters, as incorrect settings can affect performance and safety.*

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Meezdy P5C-6-Pin Ebike LCD Display.

- **Cleaning:** Use a soft, damp cloth to clean the display screen and housing. Avoid abrasive cleaners, solvents, or harsh chemicals that could damage the tempered glass or plastic components.
- **Water Resistance:** The display has an IPX65 waterproof rating, meaning it is protected against low-pressure water jets from any direction. While it can withstand rain and splashes, avoid submerging the display in water or exposing it to high-pressure water streams.
- **Cable Inspection:** Periodically check the connection cable for any signs of wear, damage, or loose connections. Ensure the waterproof connector remains clean and free of debris.
- **Storage:** When not in use for extended periods, store the ebike and display in a dry, temperate environment, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your Meezdy P5C-6-Pin Ebike LCD Display, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display does not power on.	<ul style="list-style-type: none"> Loose cable connection. Incompatible protocol or connector. Ebike battery low or off. 	<ul style="list-style-type: none"> Check the 6-pin cable connection to the controller. Confirm your ebike controller uses UART No. 2 protocol and a 6-pin connector. Ensure ebike battery is charged and powered on.
Incorrect speed or mileage readings.	<ul style="list-style-type: none"> Incorrect wheel diameter setting. Speed sensor issue. 	<ul style="list-style-type: none"> Access display settings to verify and adjust wheel diameter. Inspect the ebike's speed sensor for damage or misalignment.
Display shows error codes.	<ul style="list-style-type: none"> System malfunction. 	Refer to the "Fault Code Description" document included with your display or ebike for specific error code meanings and troubleshooting steps.
Display is dim or unreadable.	<ul style="list-style-type: none"> Brightness setting too low. Direct sunlight glare. 	<ul style="list-style-type: none"> Check display settings for brightness adjustment. Adjust riding position or angle to minimize glare.

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

SPECIFICATIONS



Image: Detailed specifications of the Mcezy P5C Ebike LCD Display, including dimensions, cable length, model numbers, and work voltage.

- **Model:** P5C-6-Pin
- **Brand:** Mcezy
- **Display Type:** LCD, Color
- **Connectivity Protocol:** UART No. 2 (Wired)
- **Compatible Voltage:** DC 24V, 36V, 48V, 60V
- **Housing Material:** ABS + PC
- **Screen Material:** Tempered Glass
- **Bracket Material:** Nylon
- **Handlebar Diameter Compatibility:** 22.2mm
- **Cable Type:** 6-pin waterproof cable (JL-F-Z609AG)
- **Exposed Cable Length:** 150mm
- **International Protection Rating:** IPX65 (Protected against dust and low-pressure water jets)
- **Human Interface Input:** Buttons
- **Sensor Type:** Speed Sensor
- **Dimensions (Approximate):** 2.7" (width) x 2.1" (height) - Refer to image for detailed measurements.
- **Weight:** Approximately 91 g

WARRANTY INFORMATION

Specific warranty terms and conditions for the Mcezdy P5C-6-Pin Ebike LCD Display may vary. Please retain your proof of purchase and refer to the retailer or manufacturer's official website for detailed warranty information and registration procedures.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Mcezdy P5C-6-Pin Ebike LCD Display, please contact your point of purchase or the manufacturer, Mcezdy, through their official support channels.