

[Manuals.plus](#) /

› [Mcezdy](#) /

› Mcezdy H6C-5-Core Ebike Display User Manual

Mcezdy H6C-5-Core

Mcezdy H6C-5-Core Ebike Display User Manual

UART No. 2 Protocol, 24V-60V Colorful Cycling Computer

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Mcezdy H6C-5-Core Ebike Display. This advanced LCD display is designed to enhance your electric bike riding experience by providing real-time data and essential controls.

Important Compatibility Note:

This H6C ebike display operates using the **UART No. 2 protocol**. It is crucial to ensure that your ebike controller is also compatible with the UART No. 2 protocol for proper functionality. Additionally, this specific H6C-5 model requires a **5-core connector**. Please verify these specifications with your ebike's manufacturer or documentation before installation.

Attention!

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



Figure 1.1: Compatibility Warning for UART No. 2 Protocol. This image shows the H6C display mounted on an ebike handlebar, with an overlay emphasizing the critical need to check for UART No. 2 protocol compatibility.

The Mcezdly H6C-5-Core display is built with a rugged ABS and PC housing, a tempered glass screen, and a nylon bracket, ensuring durability in various weather conditions. It also features a built-in 5V/500mA USB port for charging mobile devices.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before beginning installation, ensure all components are present:

- Mcezdly H6C-5-Core LCD Display
- External Keypad
- 5-core common cable (SM-5Y), 1800mm length
- User's Manual (this document)
- Fault Code Description (separate document)

2.2 Mounting the Display

The display features a flexible bracket designed to fit various handlebar sizes. It is compatible with handlebar diameters of 22.2mm, 25.4mm, 29.8mm, and 31.8mm.

1. Identify a suitable position on your ebike handlebar for the display, ensuring it does not obstruct your view or control of the bike.
2. Attach the display bracket to the handlebar and secure it firmly using the provided screws.
3. Ensure the display is oriented correctly for optimal viewing.

Compatible With Most Handlebars



The adjustable mount fits handlebar diameters of 22.2mm, 25.4mm, 29.8mm, and 31.8mm, fitting most bicycles and ensuring a perfect fit.

Figure 2.1: Handlebar Mounting Options. This image illustrates the H6C display and its external keypad, along with two smaller images demonstrating how the display can be mounted on handlebars, highlighting its adjustable fit.

2.3 Connecting the Cables

The H6C-5-Core model uses a 5-core common cable (SM-5Y). Ensure your ebike controller has a compatible 5-core connector.

1. Locate the corresponding 5-core connector on your ebike's controller.
2. Carefully align the pins and connect the display cable to the controller cable. Ensure a secure connection.

3. Route the cable neatly along your ebike frame, securing it with cable ties if necessary, to prevent interference with moving parts.

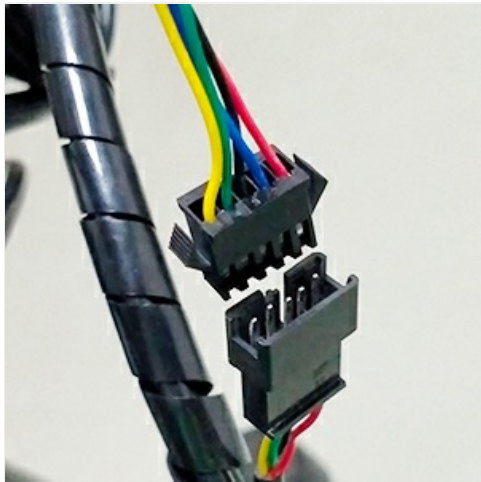


Figure 2.2: 5-Core Cable Connection. This image shows a detailed view of the 5-core cable connector, illustrating how the two parts connect.

The Mcezdy H6C series offers various cable types for different models. Ensure you have the correct connector for your specific H6C-5-Core display.



Figure 2.3: H6C Series Cable Type Overview. This diagram displays the various cable connector types available across the H6C product line, including H6C-5WP, H6C-6WP, H6C-5, H6C-6, and H6C-7, emphasizing the need to select the correct one.

3. OPERATING INSTRUCTIONS

3.1 Display Overview

The H6C-5-Core display provides a vibrant color screen with real-time cycling data. Key information displayed includes:

- Battery Level
- Current Speed (km/h or mph)

- Headlight Indicator
- PAS (Pedal Assist System) Level
- Multifunctional Display Area (e.g., Trip Distance, Total Mileage, Voltage)
- Speed Bar



Figure 3.1: Display Metrics Overview. This image highlights the different data points shown on the H6C display, including battery level, speed, PAS level, headlight indicator, and a multifunctional display area.



Figure 3.2: Active Display Screen. This image provides a clear view of the H6C display in operation, showing current speed, battery status, and pedal assist level.

3.2 Button Functions and Settings

The external keypad allows for effortless adjustment of display settings and control over various functions.



Figure 3.3: External Keypad. This image shows a detailed view of the external keypad, which is used to navigate menus and adjust settings on the display.

Common functions accessible via the keypad include:

- **Power On/Off:** Press and hold the power button.
- **Adjust PAS Level:** Use the '+' and '-' buttons to increase or decrease the pedal assist level.

- **Walk-Assist Mode:** (Refer to the Fault Code Description document for specific activation instructions, typically involves holding a button).
- **Cruise Control:** (Refer to the Fault Code Description document for specific activation instructions).
- **Cycle Display Information:** Short press the power button to switch between different data displays (e.g., Trip Distance, Total Mileage, Voltage).
- **Parameter Modification:** Access advanced settings to modify parameters such as wheel diameter and speed limits. (Detailed instructions for accessing and modifying these parameters are typically found in the included "Fault Code Description" document or advanced user manual).

3.3 Charging Mobile Devices

The display is equipped with a 5V/500mA USB port, allowing you to charge mobile devices while riding.

1. Locate the USB port on the side or bottom of the display.
2. Connect your mobile device's charging cable to the USB port.
3. Ensure your ebike's battery is sufficiently charged to provide power for charging.



Figure 3.4: USB Charging Port in Use. This image demonstrates the display's built-in USB port being used to charge a mobile phone, highlighting its convenience for riders.

4. MAINTENANCE

The Mcezdzy H6C-5-Core display is designed for durability and features an IP67 waterproof rating, making it resistant to dust and water immersion up to 1 meter for 30 minutes. Regular maintenance will ensure its longevity and optimal performance.

- **Cleaning:** Wipe the display screen and housing with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the screen or plastic.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.
- **Storage:** If storing your ebike for an extended period, ensure the display is clean and dry. Store in a cool, dry place away from direct sunlight.
- **Impact Protection:** While robust, avoid dropping the display or subjecting it to severe impacts, which could damage internal components or the tempered glass screen.



Figure 4.1: IP67 Waterproof Feature. This image shows the display with water droplets, illustrating its IP67 waterproof rating, which protects it from water and dust.

5. TROUBLESHOOTING

If you encounter issues with your Mcezdzy H6C-5-Core display, refer to the following common problems and solutions. For detailed fault codes, consult the separate "Fault Code Description" document included with your product.

Problem	Possible Cause	Solution
Display does not power on.	• Loose cable connection. • Ebike battery is low or off. • Incompatible UART protocol. • Damaged display or cable.	• Check all connections, especially the 5-core cable. • Ensure ebike battery is charged and turned on. • Verify your ebike controller uses UART No. 2 protocol. • Contact customer support if damage is suspected.

Problem	Possible Cause	Solution
Incorrect speed or distance readings.	• Incorrect wheel diameter setting. • Loose or faulty speed sensor (if applicable to your ebike setup).	• Access display settings to verify and correct wheel diameter. • Check speed sensor connection and position.
Display shows an error code.	• System malfunction.	• Refer to the "Fault Code Description" document for specific code meanings and troubleshooting steps. • If the issue persists, contact customer support.

If the problem persists after attempting these solutions, please contact Mcezdycustomer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Model Name	H6C-5-Core
Brand	Mcezdyc
Display Type	LCD, Color Screen
Connectivity Technology	Wired (UART No. 2 Protocol)
Operating Voltage	DC 24V, 36V, 48V, 60V
International Protection Rating	IP67 Waterproof
USB Charging Port	5V/500mA
Mounting Type	Handlebar Mount (22.2mm, 25.4mm, 29.8mm, 31.8mm)
Human Interface Input	Buttons (External Keypad)
Cable Length Exposed	1800mm (SM-5Y)
Material	ABS, PC Housing, Tempered Glass Screen, Nylon Bracket
Item Package Dimensions (L x W x H)	4.96 x 4.09 x 3.11 inches
Package Weight	0.31 Kilograms
Included Components	LCD Display, External Keypad, User's Manual, Fault Code Description



Figure 6.1: Product Dimensions and Key Specifications. This image provides a visual representation of the display's dimensions and lists important specifications such as cable length, compatible product models, and supported work voltages.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Mcezdy H6C-5-Core Ebike Display comes with a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Mcezdy customer support. Refer to the contact information provided on the product packaging or the official Mcezdy website.

You can also visit the official Mcezdy store on Amazon for more information and support: [Mcezdy Amazon Store](#).

8. PRODUCT VIDEOS

8.1 Mcezdy H6C Ebike Display Overview

Your browser does not support the video tag.

Video 8.1: Mcezdy H6C Ebike Display in Action. This video provides a comprehensive overview of the Mcezdy H6C Ebike Display, showcasing its features, interface, and how it looks when mounted on an ebike.

8.2 Mcezdy H6C Ebike Display Quick Preview

Your browser does not support the video tag.

Video 8.2: Mcezdy H6C Ebike Display Short Preview. This short preview video offers a quick glimpse of the Mcezdy H6C Ebike Display's main functionalities and visual appeal.

© 2024 Mcezdy. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question