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> Mrisata M6C Electric Bicycle LCD Display Meter User Manual

Mrisata M6C (Mrisatasi8dt96gyr)

Mrisata M6C Electric Bicycle LCD Display Meter

USER MANUAL

Model: M6C (Mrisatasi8dt96gyr)

1. Product Overview

The Mrisata M6C LCD Display Meter is designed for electric bicycles and scooters, providing essential riding information at a glance. It features a clear LCD screen and is compatible with 24V, 36V, 48V, and 60V systems.

Key Features:

- **Clear LCD Display:** Shows speed, distance, battery level, and PAS (Pedal Assist System) level.
- **Easy Installation:** Designed for most 22.2mm handlebars.
- **Versatile Connectivity:** 6-pin cable for compatibility with various voltage systems (24V, 36V, 48V, 60V).
- **Durable Construction:** Made from premium ABS material for lightweight sturdiness and wear resistance.

2. Safety Information

Please read and understand all safety instructions before installing and operating the M6C LCD Display Meter. Failure to follow these instructions may result in damage to the product, property, or personal injury.

- Ensure the electric bike/scooter is powered off before installation or maintenance.
- Always disconnect the battery before working on electrical components.
- Do not attempt to open or modify the display unit. This may void the warranty and cause damage.
- Keep the display unit dry and away from extreme temperatures.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Consult a qualified technician if you are unsure about any installation or wiring procedures.

3. Package Contents

Verify that all items are present in the package:

- 1 x Mrisata M6C Electric Bicycle LCD Display Meter
- 1 x Control Button Unit with Cable
- 1 x User Manual (this document)

4. Product Components



Figure 4.1: Front view of the M6C LCD Display Meter. This image shows the main display unit with its screen clearly visible, indicating speed, battery level, PAS level, and odometer readings. The "ENERGY BAR" and "M6C" labels are also visible.



Figure 4.2: Close-up of the M6C control button unit. This image highlights the separate control button unit with its cable and connector. The buttons are used for operating the display functions.



Figure 4.3: Back view of the M6C LCD Display Meter. This image displays the rear of the display unit, showing

the model number (CJ-M6C) and voltage compatibility (36V) printed on the casing, along with the cable entry point.

5. Installation

The M6C LCD Display Meter is designed for easy installation on standard 22.2mm handlebars. Ensure your electric bike/scooter is powered off and the battery is disconnected before proceeding.

1. Mount the Display Unit:

Position the M6C display unit on your handlebar. Use the integrated clamps to secure it firmly. Ensure the display is oriented for optimal viewing while riding.



Figure 5.1: M6C display and control button mounted on handlebars. This image shows the display unit and the separate control button unit attached to a handlebar, illustrating their typical mounting positions.

2. Mount the Control Button Unit:

Attach the separate control button unit to a convenient location on your handlebar, typically near the left grip for easy access with your thumb.

3. Connect the Cables:

Locate the 6-pin connector from the M6C display unit and the corresponding connector on your electric bike's wiring harness. Carefully align and push the connectors together until they click securely. Ensure the headlight connector (if present on your bike's harness) is also properly connected if you intend to use the display's headlight control feature.



Figure 5.2: M6C display and control button with connected cables. This image provides a clear view of the display and

control units, highlighting the wiring that connects them and the main 6-pin connector for the bike's system.

4. Secure Wiring:

Route and secure all cables using zip ties or cable wraps to prevent them from interfering with steering or moving parts, and to protect them from damage.

6. Operating Instructions

Once installed and connected, the M6C display provides real-time information and control over your electric bike's functions.

6.1 Power On/Off

- To power on the display, press and hold the power button (usually the middle button on the control unit) for a few seconds.
- To power off the display, press and hold the power button again until the screen turns off.

6.2 Display Information

The LCD screen provides the following information:

- **Speed:** Current riding speed (km/h or mph).
- **Battery Level:** Graphical representation of remaining battery charge ("ENERGY BAR").
- **PAS Level:** Current Pedal Assist System level (e.g., PAS 1-5).
- **Odometer (ODO):** Total distance traveled.
- **Trip Distance:** (Implied, often toggled with ODO) Distance for the current ride.



Figure 6.1: Angled view of the M6C LCD Display Meter showing active readings. This image provides an angled perspective of the display, clearly showing the digital speed reading (58.3 km/h), PAS level (5 Sport), battery bar, and odometer (00012 km).

6.3 Adjusting PAS Levels

Use the UP and DOWN buttons on the control unit to adjust the Pedal Assist System level. Higher PAS levels provide more motor assistance.

- Press the **UP** button to increase the PAS level.
- Press the **DOWN** button to decrease the PAS level.

6.4 Headlight Control (If Applicable)

If your electric bike's wiring harness supports it and is connected to the display's 6-pin connector, the display may offer headlight control. Consult your bike's manual for specific instructions on activating the headlight via the display.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your M6C LCD Display Meter.

- **Cleaning:** Wipe the display screen and casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Exposure:** The display is designed to be splash-resistant, but avoid submerging it in water or exposing it to heavy rain for extended periods.
- **Cable Inspection:** Periodically check all cables and connectors for signs of wear, damage, or loose connections.
- **Storage:** When not in use for extended periods, store the electric bike/scooter in a dry, temperate environment.

8. Troubleshooting

If you encounter issues with your M6C LCD Display Meter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Display does not power on.	Battery is low or depleted. Loose or disconnected power cable. Faulty display or bike controller.	Charge the electric bike battery. Check all cable connections, especially the 6-pin connector. Contact customer support or a qualified technician.
Incorrect speed reading.	Speed sensor issue. Incorrect wheel circumference setting (if adjustable).	Check the speed sensor and its magnet for proper alignment. Refer to your bike controller's manual for display settings adjustments.
PAS levels not changing.	Control button unit issue. Bike controller communication error.	Ensure the control button cable is securely connected. Restart the system (power off and on).

If the problem persists after trying these steps, please contact Misata customer support or your retailer for further assistance.

9. Specifications

Feature	Detail
Brand	Mrisata
Model Name	M6C (Mrisatasi8dt96gyr)
Applicable Voltage	24V, 36V, 48V, 60V
Material	ABS
Handlebar Clamp Diameter	22.2mm / 0.7in (Standard)
Connector Type	6-Pin Cable
Display Type	LCD
Weight	Approx. 216g / 7.6oz
Item Package Dimensions	5.12 x 4.33 x 2.76 inches

10. Warranty and Support

For warranty information, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

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