

XIBANY XIBANY001

XIBANY 600C Display User Manual

For Bafang M510, M600, M500 Ebike Motors (CAN Protocol)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the XIBANY 600C Display. This display unit is designed for electric bicycles equipped with Bafang M510, M600, and M500 series motors utilizing the CAN communication protocol. Please read this manual thoroughly before use to ensure proper function and longevity of your device.

2. PRODUCT FEATURES

- Simple and intuitive operation interface.
- Exquisite workmanship ensuring reliability.
- Designed for long service life, sturdy and durable construction.
- Manufactured from high-quality materials for enhanced durability.
- Direct replacement for original compatible parts.

3. SETUP AND INSTALLATION

The XIBANY 600C Display is designed for straightforward installation. Ensure your ebike motor is a Bafang M510, M600, or M500 series with CAN protocol compatibility before proceeding.

3.1 Mounting the Display

1. Identify a suitable position on your handlebar. The display is designed to fit handlebars with a diameter of 22.2mm.
2. Loosen the mounting screw on the display bracket.
3. Position the display on the handlebar and tighten the screw securely, ensuring the display is stable and visible.

3.2 Electrical Connection

1. Locate the corresponding CAN protocol connector from your Bafang motor system. This is typically a green connector.

2. Align the pins and securely connect the display's cable to the motor system's connector. Ensure a firm connection to prevent intermittent operation.
3. Route the cable neatly along the handlebar and frame, securing it with cable ties if necessary, to prevent interference with moving parts.



Figure 1: Front view of the XIBANY 600C Display, showing the control buttons on the left and the screen, with the attached cable and green connector on the right.



Figure 2: Technical drawing illustrating the dimensions of the XIBANY 600C Display, including its length (82.4mm), width

(49.8mm), and the 22.2mm diameter of the handlebar clamp.

4. OPERATING INSTRUCTIONS

The 600C Display provides essential information and control for your ebike system. Familiarize yourself with the buttons and display interface for optimal use.

4.1 Button Functions

- **Power Button ():** Press and hold to turn the display ON/OFF. A short press may cycle through display modes or activate specific functions depending on the motor's firmware.
- **Up Button (+):** Increases assistance level, navigates menus upwards, or increases values.
- **Down Button (-):** Decreases assistance level, navigates menus downwards, or decreases values.
- **Mode Button (M):** Cycles through display information (e.g., Odometer, Trip Distance, Max Speed, Average Speed) or enters/confirms menu selections.

4.2 Display Information

The display provides real-time data about your ride and ebike system status. Common indicators include:

- **Speed:** Current riding speed (Km/h or Mph).
- **Assistance Level:** Indicates the current power assistance mode (e.g., 0-5).
- **Battery Level:** Graphical or percentage indicator of remaining battery charge.
- **Headlight Indicator:** Shows if the ebike's lights are on.
- **Error Codes:** Displays specific codes if a system malfunction is detected.



Figure 3: The XIBANY 600C Display in operation, showing a speed of 25 Km/h, battery level, and an assistance level of 1. The display also indicates power output (689W) and current mode (NORMAL).

5. MAINTENANCE

To ensure the longevity and optimal performance of your XIBANY 600C Display, follow these maintenance guidelines:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents, which can damage the plastic and screen coating.
- **Protection:** While the display is designed to be durable, avoid exposing it to extreme temperatures, direct sunlight for prolonged periods, or heavy rain. If riding in wet conditions, ensure the connectors are properly sealed.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage. Loose connections can lead to intermittent operation or system errors.
- **Storage:** When not in use for extended periods, store the ebike and display in a dry, temperate environment.

6. TROUBLESHOOTING

If you encounter issues with your XIBANY 600C Display, consider the following common troubleshooting steps:

- **Display Not Turning On:**
 - Ensure the ebike battery is charged and properly connected.
 - Check the display's power cable connection to the motor system for looseness or damage.
 - Press and hold the power button firmly for a few seconds.
- **No Speed Reading or Incorrect Data:**
 - Verify that the display cable is securely connected to the motor.
 - Check the speed sensor on your ebike motor for proper alignment and cleanliness.
- **Error Codes Displayed:**
 - Note down the specific error code.
 - Refer to your Bafang motor's user manual for a list of error codes and their corresponding solutions. The display acts as an interface for the motor's diagnostics.
- **Intermittent Operation:**
 - Inspect all wiring for any signs of damage, pinching, or corrosion.
 - Ensure all connectors are fully seated and secured.

If these steps do not resolve the issue, please contact the seller or a qualified ebike technician for further assistance.

7. SPECIFICATIONS

Specification	Value
Brand	XIBANY
Model Name	XIBANY001
Item Model Number	XIBANY001
Compatibility	Bafang M510, M600, M500 Motors (CAN Protocol)
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces (50 Grams)
Handlebar Clamp Diameter	22.2 mm
Color	One Color (Black)
Assembly Required	No

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the terms provided by your retailer or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

