YL81F K5

Yolin EBike Display Meter YL81F K5 User Manual

Model: YL81F K5

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Yolin EBike Display Meter YL81F K5. The YL81F color LCD display offers various functions to enhance your riding experience, including battery level display, boost gear adjustment, speed display (real-time, maximum, average), mileage display (single and total), power push control, headlight control, error code display, and customizable parameter settings.

SAFETY INFORMATION

Always ensure your e-bike is powered off before installing or removing the display. Do not attempt to disassemble the display unit. Keep the display away from extreme temperatures and direct sunlight for prolonged periods. Ensure all connections are secure and waterproof to prevent damage from moisture.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Yolin YL81F K5 EBike Display Meter
- 5-pin waterproof male connector cable (150mm exposed length)
- Handlebar mounting bracket (fits 22.2 mm, 25.4 mm, and 31.8 mm handlebars)

SETUP AND INSTALLATION

Follow these steps for proper installation of your YL81F K5 display:

1. **Mounting the Display:**

   Select a suitable position on your e-bike handlebar. The flexible bracket accommodates handlebar sizes of 22.2 mm, 25.4 mm, and 31.8 mm. Securely attach the display bracket to the handlebar using the provided screws. Ensure the display is firmly in place and does not obstruct your view or control of the bike.

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Image: YL81F K5 display mounted on an e-bike handlebar, demonstrating its typical installation position and clear visibility of the screen.

2. **Connecting the Cables:**

Locate the 5-pin waterproof male connector on the display cable. Connect this to the corresponding female connector on your e-bike's wiring harness. Ensure the connection is firm and fully seated to maintain its waterproof integrity.

Image: A detailed view of the 5-pin waterproof connector, highlighting its design for secure and moisture-resistant connections.

3. **Power Compatibility:**

The YL81F display is compatible with 24V, 36V, 48V, and 60V e-bike battery systems. Ensure your e-bike's battery voltage matches one of these specifications.

4. **Initial Power On:**

After installation, power on your e-bike. The display should illuminate and show the default screen. If it does not, recheck all connections.

OPERATING INSTRUCTIONS

The YL81F K5 display provides various functions accessible via its K5 buttons.

Display Overview:

Image: A comprehensive view of the YL81F K5 display, illustrating its vibrant color screen and the integrated K5 button controls.

- **Power On/Off:** Press and hold the power button (usually the middle button on the K5 control) to turn the display on or off.
- **Boost Gear Adjustment:** Use the '+' and '-' buttons on the K5 control to adjust the assist level (boost gear). The current level will be indicated on the screen.
- **Speed Display:** The display shows real-time speed. You can cycle through maximum speed (MAX) and average speed (AVG) by short-pressing a specific button (refer to on-screen prompts or specific button functions).
- **Mileage Display:** View single trip mileage (TRIP) and total mileage (ODO). A short press of a button typically switches between these modes.
- **Headlight Control:** Press the headlight button (if available on K5 control) to turn the e-bike's headlights on or off.

An indicator on the display will confirm the status.

- **Error Code Display:** In case of a system malfunction, the display will show an error code. Refer to the Troubleshooting section for common codes and solutions.
- **Parameter Settings:** Access the settings menu by long-pressing a specific button combination (e.g., '+' and '-' simultaneously). Here you can adjust parameters such as wheel diameter, speed limit, and unit settings (km/h or mph).

Personalized Controls:

The YL81F display allows for customization of key bike parameters. This includes setting the wheel diameter for accurate speed and mileage readings, and adjusting the speed limit according to local regulations or personal preference. The vibrant color screen provides clear visibility of all data, including real-time trip and total mileage logging, and voltage display.

Image: The YL81F K5 display illuminated in a low-light setting, showcasing its clear and vibrant color screen with speed and mileage information.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your YL81F K5 display.

- **Cleaning:** Use a soft, damp cloth to wipe the display screen and housing. Avoid abrasive cleaners or solvents that could damage the screen or plastic.
- **Connection Check:** Periodically inspect the 5-pin waterproof connector for any signs of wear, corrosion, or loose connections. Ensure it remains securely seated.
- **Environmental Protection:** While the display is designed to withstand harsh conditions, avoid prolonged exposure to direct sunlight, extreme heat, or heavy rain when the e-bike is not in use.
- **Firmware Updates:** Check the manufacturer's website or contact customer service for information on potential firmware updates that may improve performance or add features.

TROUBLESHOOTING

This section addresses common issues you might encounter with your YL81F K5 display.

Problem	Possible Cause	Solution
Display does not power on.	Loose connection, low battery, incompatible voltage.	Check all cable connections, ensure battery is charged, verify battery voltage compatibility (24V-60V).
Incorrect speed/mileage readings.	Incorrect wheel diameter setting.	Access parameter settings and adjust the wheel diameter to match your e-bike's wheel size.
Error code displayed.	System malfunction, sensor issue.	Note the error code and consult the manufacturer's support or online resources for specific code meanings and solutions. Often, restarting the e-bike can clear temporary errors.
Buttons unresponsive.	Dirt/debris, internal fault.	Clean around the buttons. If the issue persists, contact customer support.

SPECIFICATIONS

Key technical specifications for the Yolin YL81F K5 EBike Display Meter:

- **Model:** YL81F K5
- **Display Type:** Color LCD
- **Voltage Compatibility:** 24V, 36V, 48V, 60V
- **Connector Type:** 5-pin waterproof male connector
- **Cable Length (exposed):** 150mm
- **Handlebar Clamp Diameter:** 22.2 mm, 25.4 mm, 31.8 mm
- **Material:** ABS, LCD, Tempered Glass, Nylon Bracket
- **Dimensions (approx.):** 95mm (H) x 59.86mm (W)
- **Sensor Types Supported:** Speed Sensor, Current Sensor, GPS Sensor
- **Human Interface Input:** Buttons
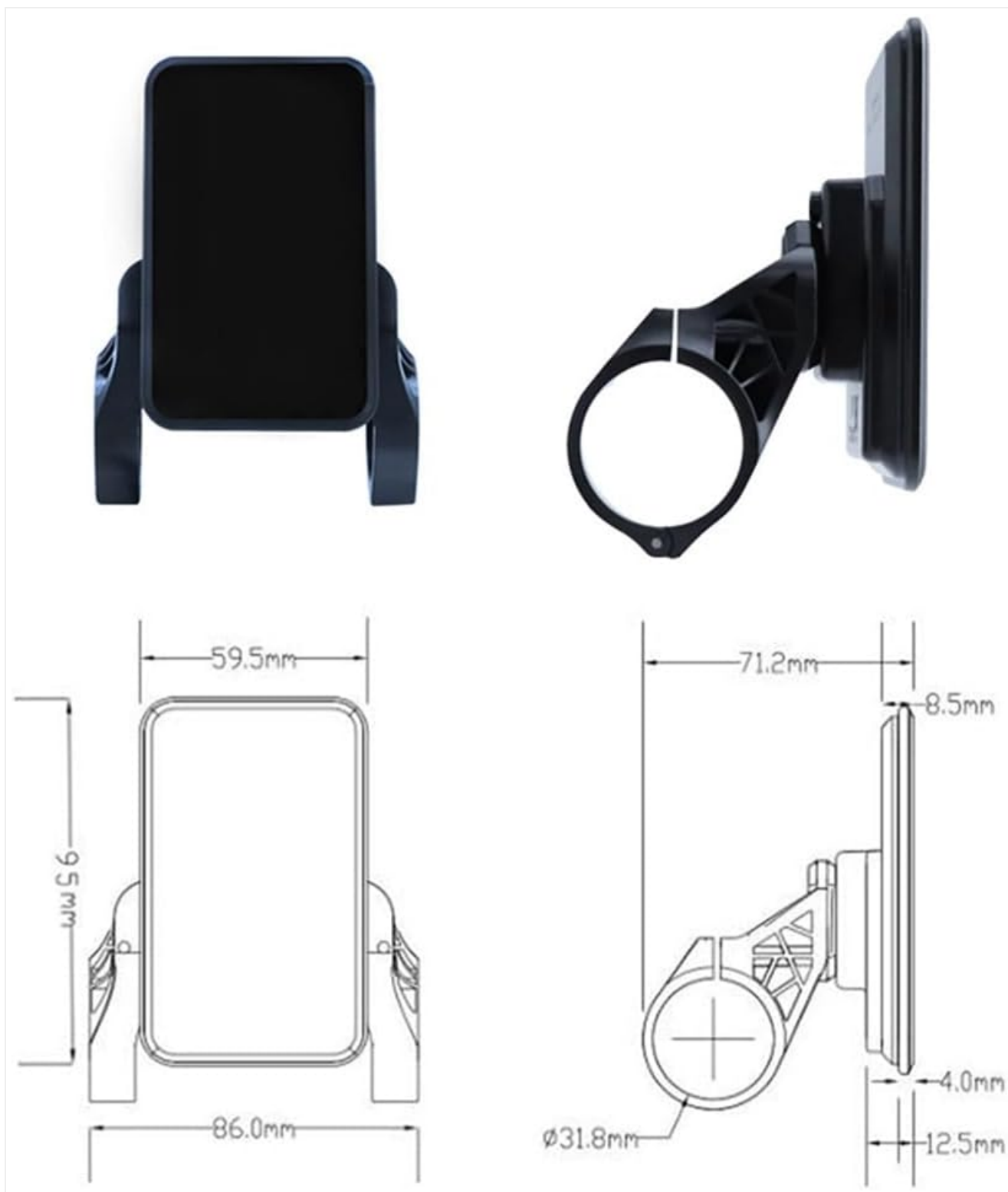- **Manufacturer:** YOLIN

Image: Technical drawing illustrating the precise dimensions of the YL81F K5 display unit and its mounting bracket.

WARRANTY INFORMATION

The Yolin EBike Display Meter YL81F K5 comes with a **1 Year Manufacturer Warranty**. 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.

For warranty claims, please retain your proof of purchase and contact customer support with details of the issue.

SUPPORT AND CONTACT

For further assistance, technical support, or inquiries regarding your Yolin YL81F K5 display, please contact our online

customer service. When contacting support, please be prepared to provide the serial number of your display (located on the back of the unit) and details of your original purchase.

Image: The rear view of the YL81F K5 display, indicating the specific location where the serial number is printed.

Important Note: As mentioned in the product description, the YL81F LCD display has various communication protocols. To ensure plug-and-play compatibility, it is highly recommended to contact customer service before or after purchase and provide information about your original display.

Related Documents - YL81F K5

Electric Bike Display **User's Manual** YL81F	[YL81F Electric Bike Display User's Manual](#) User's manual for the YL81F Smart LCD display for electric bicycles, covering specifications, functions, operation, and troubleshooting.
Electric Bike Display **User's Manual** YL81F	[YL81F Electric Bike Display User Manual	Yolin](#) Comprehensive user manual for the Yolin YL81F Smart LCD Display for electric bicycles. Learn about features, operation, settings, and troubleshooting.
Yolin Electric Bike Display **User's Manual** YL81F-H Tianjin Yolin Technology Co. Ltd.	[Yolin YL81F-H Electric Bike Display User Manual](#) User manual for the Yolin YL81F-H intelligent LCD display for electric bikes, covering specifications, operation, settings, troubleshooting, and warranty information.
HAOQI LEOPARD™ Owner's Manual White Leopard™ Green Leopard™	[Haoqi Leopard Electric Bike Owner's Manual	Assembly, Operation, and Maintenance](#) Comprehensive owner's manual for the Haoqi Leopard electric bike, covering assembly, operation, safety, troubleshooting, and warranty information. Includes specifications for White and Green Leopard models.
Yolin Electric Bike Display **User's Manual** YL81F Tianjin Yolin Technology Co. Ltd.	[Yolin YL81F Electric Bike Display User Manual](#) Comprehensive user manual for the Yolin YL81F Smart LCD display for electric bicycles, covering specifications, routine operation, personalized parameter settings, shortcut operations, warranty, and error code definitions.
Yolin Electric Bike Display **User's Manual** YL81F Tianjin Yolin Technology Co. Ltd.	[Yolin YL81F Electric Bike Display User Manual](#) User manual for the Yolin YL81F electric bike display, covering specifications, functions, operation, and settings.