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› PerGar EN06 LCD Ebike Display User Manual

PerGar PerGari9hvx8n5ak52485

PerGar EN06 LCD Ebike Display User Manual

Model: PerGari9hvx8n5ak52485

1. INTRODUCTION

Thank you for choosing the PerGar EN06 LCD Ebike Display. This manual provides essential information for the proper installation, operation, and maintenance of your new display meter. Designed for electric bikes, this display offers clear, real-time data to enhance your riding experience. Please read this manual thoroughly before use to ensure optimal performance and safety.



Figure 1.1: Front view of the PerGar EN06 LCD Ebike Display, showing the screen and control buttons.

2. PRODUCT FEATURES

- **Upgraded Bike Companion:** Replaces old or damaged electric bike displays with a stylish EN06 LCD panel, offering straightforward installation, enhanced sturdiness, and improved performance.

- **Universal Voltage Compatibility:** Compatible with 24V, 36V, and 48V electric bike systems, ensuring consistent and dependable performance across various power configurations.
- **Versatile Application:** Designed for 22.2mm handlebars, making it an ideal fit for electric bikes, scooters, and other compatible vehicles.
- **Real-time Performance Tracking:** Accurately displays battery power, records real-time power usage, and provides precise riding mileage, allowing users to monitor bike performance effectively.
- **Enhanced Visibility:** Equipped with a headlight interface for improved visibility and safety during nighttime riding.
- **Durable Construction:** Made from premium ABS material, ensuring the display panel is lightweight, waterproof, and long-lasting.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- 1 x PerGar EN06 Bike Display Meter
- 1 x User Manual (this document)

4. SPECIFICATIONS

Attribute	Value
Item Type	Bike Display Meter
Material	ABS
Weight	Approx. 82g / 2.9oz
Compatible Voltage	24V, 36V, 48V, 60V
Handlebar Compatibility	22.2mm
Model Number	PerGari9hxxv8n5ak52485

5. SETUP AND INSTALLATION

The PerGar EN06 LCD Ebike Display is designed for straightforward installation. Follow these steps to properly mount and connect your display:

1. **Prepare Handlebar:** Ensure the handlebar area where you intend to mount the display is clean and free of obstructions. The display is compatible with 22.2mm handlebars.
2. **Mount the Bracket:** The display comes with an integrated bracket. Loosen the screw on the bracket and position it on your 22.2mm handlebar.
3. **Secure the Display:** Tighten the screw on the bracket firmly to secure the display in place. Ensure it is oriented correctly for easy viewing while riding. Do not overtighten.
4. **Connect Wiring:** Locate the 6-pin waterproof wire connector from your ebike's controller or wiring harness. Carefully align and connect the display's 6-pin waterproof wire to the corresponding connector on your ebike. Ensure a secure and snug fit to prevent water ingress.
5. **Cable Management:** Route the display cable neatly along your handlebar and frame, securing it with cable ties if necessary, to prevent it from interfering with steering or other bike components.

Durable Material: Made of premium ABS material, lightweight and durable, with waterproof features for long lasting usage.



Figure 5.1: The EN06 display mounted on an ebike handlebar, showing its compact design and wiring connection.

6. OPERATING INSTRUCTIONS

The EN06 LCD Ebike Display provides intuitive control and clear data visualization.

6.1. Basic Operation

- **Power On/Off:** Press and hold the **Power button** (usually marked with a power symbol) to turn the display on or off.
- **Mode Selection:** Use the **Mode button** (or similar function button) to cycle through different display modes, such as speed (km/h), odometer (ODO), trip distance, and battery level.
- **Adjusting Settings:** The '+' and '-' buttons are typically used to adjust settings like pedal assist levels (PAS) or to navigate menus if available. Refer to your ebike's controller manual for specific PAS level adjustments.

6.2. Displayed Information

The LCD screen provides real-time data for an informed ride:

- **Speed:** Displays current riding speed in kilometers per hour (km/h).

- **Odometer (ODO):** Shows the total accumulated distance traveled by the bike.
- **Battery Level:** Indicates the remaining battery charge, typically shown as a graphic icon.
- **Mode/PAS Level:** Displays the current pedal assist level or riding mode.



Convenient LCD Display: Provides a more convenient way to view the data and status on the panel through the large screen.



Figure 6.1: The clear LCD screen provides convenient viewing of essential riding data.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your PerGar EN06 LCD Ebike Display.

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the screen or casing.
- **Water Exposure:** While the display is waterproof, avoid submerging it in water or exposing it to high-pressure water jets. Ensure the waterproof connector is always securely fastened.
- **Storage:** When not in use for extended periods, store the ebike and display in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically check the display cable and connector for any signs of wear, damage, or corrosion.

Ensure connections remain secure.

8. TROUBLESHOOTING

If you encounter issues with your PerGar EN06 LCD Ebike Display, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display does not power on.	Loose or disconnected power cable; Ebike battery low or off; Faulty display.	Check all cable connections, especially the 6-pin waterproof connector. Ensure ebike battery is charged and turned on. If problem persists, contact support.
Incorrect speed or distance readings.	Improper wheel circumference setting (if adjustable); Sensor issue; Loose magnet.	Verify wheel circumference settings (if your ebike controller allows adjustment). Check speed sensor and magnet alignment on the wheel.
Display flickers or shows erratic data.	Loose connection; Water ingress; Electrical interference.	Ensure all connections are secure. Check for any signs of moisture inside the display. Avoid strong electromagnetic fields.
Buttons are unresponsive.	Stuck buttons; Internal fault.	Gently press buttons to ensure they are not stuck. If unresponsive, contact support.

9. WARRANTY AND CUSTOMER SUPPORT

PerGar is committed to your satisfaction. While specific warranty details are not provided in this manual, we offer dedicated customer support for any inquiries or issues you may encounter with your EN06 LCD Ebike Display. If you have questions, require assistance with installation, operation, or troubleshooting, or are not satisfied with your product, please do not hesitate to contact us.

Contact Information:

Please refer to the contact details provided at the point of purchase or on the official PerGar website for the most current support options.

(Note: As per product information, "Email us anytime, and our dedicated team will promptly address any of your concerns. Your satisfaction is our top priority.")

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