

PerGar S866

PerGar S866 LCD Display User Manual for Electric Bicycles

Model: S866

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the PerGar S866 LCD Display for electric bicycles. Please read this manual thoroughly before using the product to ensure proper function and longevity.

Important Note: Before purchasing or installing, please verify that the communication protocol of this S866 LCD Display (Communication Protocol No. 2) is compatible with your electric bicycle's controller.

PRODUCT OVERVIEW

The PerGar S866 LCD Display is designed to provide essential information for electric bicycle riders. It features a clear, backlit screen and user-friendly controls.

Key Features:

- **Wide Compatibility:** Designed for 22.2mm (0.9in) handlebars.
- **Durable Construction:** Made from high-quality ABS material, ensuring a lightweight, waterproof (IP65), and long-lasting product.
- **User-Friendly Interface:** Simple installation, disassembly, and operation.
- **High Visibility Display:** Large LCD screen for clear data and status viewing.
- **Backlight Function:** Ensures screen readability in low-light or dark conditions.

Package Contents:

- 1 x PerGar S866 LCD Display
- 1 x User Manual (this document)



Image: Front view of the PerGar S866 LCD Display, showing the screen with speed, battery, and trip information, along with the plus, power, and minus buttons on the left side.

SPECIFICATIONS

Item Type	S866 LCD Display
Material	ABS
Waterproof Grade	IP65
Communication Protocol	Communication Protocol No. 2
Matching Voltage	24V, 36V, 48V
Weight	Approx. 106g (3.74 oz)
Bracket Diameter	Approx. 22.2mm (0.9in)
Package Dimensions	4.25 x 3.07 x 2.83 inches

Line length:21cm/8.3in

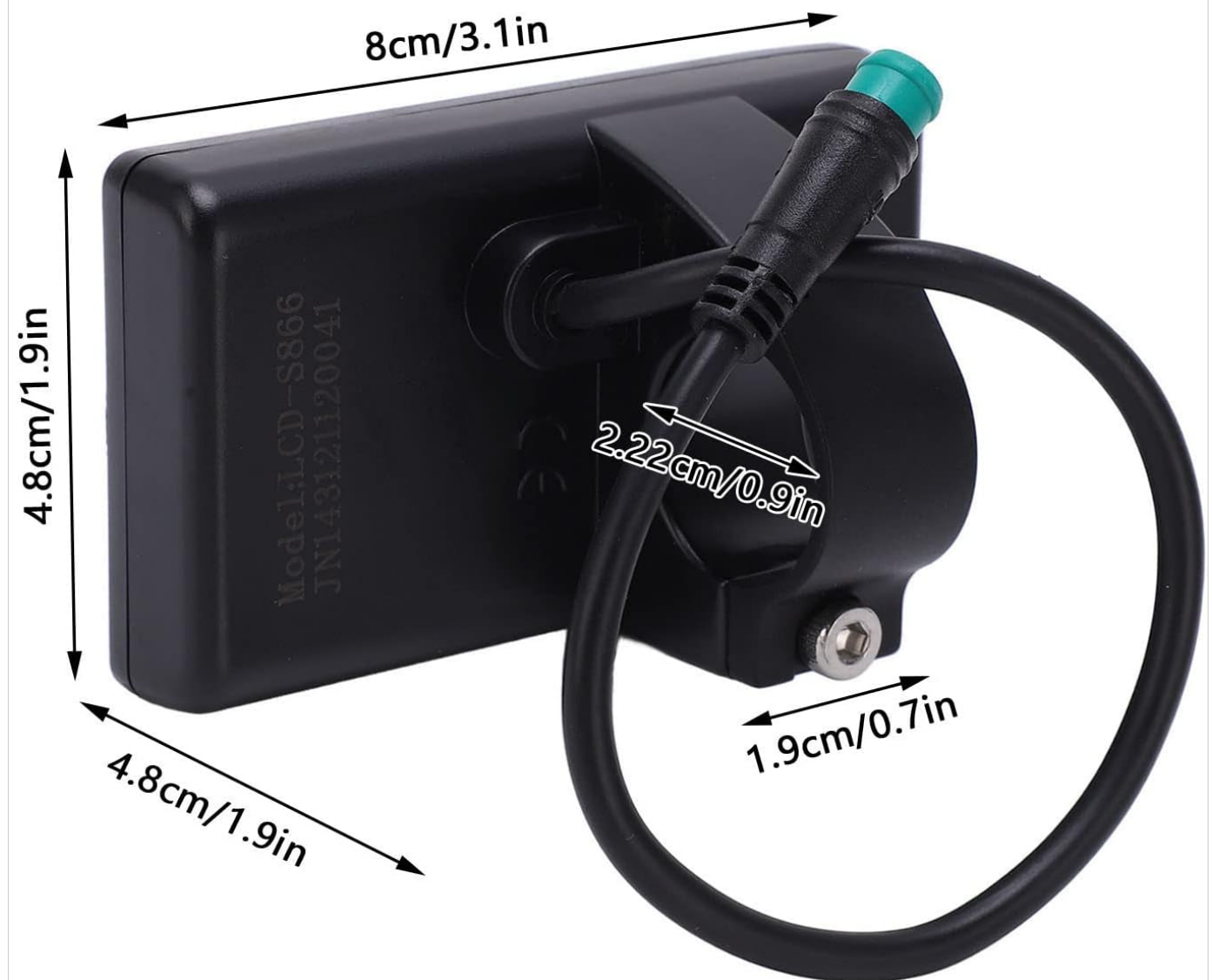


Image: Diagram showing the physical dimensions of the S866 LCD Display, including length, width, and bracket diameter.

SETUP AND INSTALLATION

Follow these steps to properly install your PerGar S866 LCD Display on your electric bicycle.

1. **Prepare Handlebars:** Ensure the handlebar area where you intend to mount the display is clean and free from obstructions. The display is designed for 22.2mm (0.9in) diameter handlebars.
2. **Mount the Display:** Place the display bracket around the handlebar. Use the provided screws to secure the bracket firmly. Do not overtighten.
3. **Connect the Waterproof Plug:** Locate the waterproof plug on the display cable. Connect it to the corresponding port on your electric bicycle's controller. Ensure the connection is secure and fully seated to maintain its waterproof integrity.
4. **Cable Management:** Route the display cable along your bicycle frame, securing it with cable ties (not included) to prevent it from interfering with moving parts or getting damaged.

waterproof plug
LCD S866 display instrument



Image: The S866 LCD Display showing a close-up of its waterproof plug connector, highlighting its design for secure electrical connections.



Made of ABS material, lightweight,
waterproof and durable
Comes with LCD screen bracket
for 22.5mm handlebars
LCD screen clearly shows status and data
Backlight allows you to see the
screen clearly in low light



Image: The S866 LCD Display mounted on an electric bicycle handlebar, demonstrating its placement and visibility during use.

OPERATING INSTRUCTIONS

The S866 LCD Display features three primary buttons for control: Power, Plus (+), and Minus (-).



Image: Close-up view of the S866 LCD Display's control buttons: Plus (+), Power (circle with vertical line), and Minus (-).

Basic Functions:

- **Power On/Off:** Press and hold the (Power) button to turn the display on or off.
- **Adjust Assist Level:** Use the + (Plus) and - (Minus) buttons to increase or decrease the electric assist level. The current assist level is shown on the display.
- **Cycle Display Modes:** Briefly press the (Power) button while the display is on to cycle through different information displays, such as Trip Distance, Odometer, etc.
- **Activate Backlight:** The backlight automatically activates when the display is on, ensuring visibility in various lighting conditions.

Display Information:

The S866 LCD Display provides the following information:

- **Speed:** Current riding speed (km/h or mph).
- **Assist Level:** Current pedal assist level.
- **Battery Indicator:** Graphical representation of remaining battery charge.
- **Trip Distance:** Distance covered during the current ride.
- **Odometer:** Total distance covered by the bicycle.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your S866 LCD Display.

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the screen or casing.
- **Water Exposure:** While the display is IP65 waterproof, avoid submerging it in water or exposing it to high-pressure water jets. Ensure the waterproof plug connection remains secure.
- **Storage:** When not in use for extended periods, store the electric bicycle and display in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically check the display cable and its connections for any signs of wear, fraying, or damage. Replace if necessary.

TROUBLESHOOTING

If you encounter issues with your S866 LCD Display, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Display does not power on.	◦ Loose or disconnected power cable. ◦ Low or depleted e-bike battery. ◦ Incompatible communication protocol.	◦ Check all cable connections, especially the waterproof plug. ◦ Ensure your e-bike battery is charged. ◦ Verify that your e-bike controller uses Communication Protocol No. 2.
Display shows incorrect speed or distance.	◦ Sensor malfunction or incorrect wheel circumference setting (if applicable).	◦ Check the speed sensor for proper alignment and connection. Consult your e-bike controller manual for wheel circumference settings.
Buttons are unresponsive.	◦ Dirt or debris under buttons. ◦ Internal malfunction.	◦ Gently clean around the buttons. ◦ If the issue persists, contact customer support.
Display is dim or flickering.	◦ Low battery voltage. ◦ Loose connection.	◦ Charge your e-bike battery. ◦ Check all cable connections.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact PerGar customer service. Keep your purchase receipt as proof of purchase.

You can visit the PerGar Store for more information:[PerGar Store on Amazon](#)

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