AMONIDA S900

AMONIDA S900 LCD Electric Bicycle Display Control Panel User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMONIDA S900 LCD Electric Bicycle Display Control Panel. Designed for 36V and 48V electric bicycles, this display serves as a comprehensive trip computer and control interface for your e-bike's electrical system. Please read this manual thoroughly before use to ensure proper function and safety.

SETUP

1. Mounting the Display

The S900 LCD Display Control Panel is designed for handlebars with a diameter of 22.2mm (0.9 inches). Ensure your handlebars meet this specification for secure mounting.

1. Position the display unit on your handlebar in a location that provides clear visibility and easy access to the remote control buttons.

2. Use the provided mounting clamps and screws to firmly attach the display to the handlebar. Do not overtighten, but ensure it is secure and does not rotate freely.

3. Attach the remote control unit to the handlebar next to the display, ensuring its cable can reach the display's connection port without strain.

Suitable for 22.2mm / 0.9in handlebars.
Real time recording of power consumption to ensure riding milea

Image: The AMONIDA S900 LCD Display Control Panel mounted on handlebars, emphasizing its suitability for 22.2mm diameter handlebars and its function in recording power consumption.

Image: Components of the AMONIDA S900 LCD Display Control Panel, including the display unit, remote control, and separate handlebar mounting rings.

2. Wiring Connections

The S900 display features a 5-pin interface for connection to your e-bike's controller. Ensure all connections are secure and correctly aligned to prevent damage.

1. Locate the instrument interface on your e-bike's controller.
2. Connect the 5-pin connector from the S900 display to the corresponding port on the controller. The function can be realized by connecting the meter socket of the display screen to the instrument interface of the controller.
3. Ensure the connection is firm and waterproof.

Image: Rear view of the AMONIDA S900 LCD Display Control Panel, highlighting the mounting clamps and the 5-pin interface cable.

Setup Demonstration Video

Video: This video demonstrates the basic functionality and display features of the AMONIDA S900 LCD Control Panel, including power-on sequence and data presentation.

OPERATING INSTRUCTIONS

1. Power On/Off

To power on the display, press and hold the power button on the remote control unit. To power off, press and hold the power button again.

2. Display Functions

The S900 display provides a variety of useful data at a glance:

- **Speed Display:** Shows current riding speed.
- **Power Assisted Gear Display:** Indicates the current level of pedal assist.
- **Power Indicator:** Displays the remaining battery charge.
- **Fault Prompt:** Alerts you to system errors.
- **Total Mileage:** Records the total distance traveled.
- **Single Mileage:** Records the distance for the current trip.
- **Headlight Display:** Indicates if the headlights are on.

- **Single Driving Time Display:** Shows the duration of the current trip.

Image: Close-up of the AMONIDA S900 LCD Display screen, showing battery level, speed, mode, and PAS indicators.

Image: Close-up of the AMONIDA S900 LCD Display screen, clearly showing the battery charge level, speed, mode, and PAS (Pedal Assist System) indicators.

3. Control and Setting Functions

The remote control unit allows you to manage various settings and functions:

- **Power Switch Control:** Turns the display and e-bike system on/off.
- **Headlight Switch Control:** Activates or deactivates the e-bike's headlights.
- **6Km/h Jog Control:** Provides a low-speed assist function.
- **Wheel Diameter Setting:** Adjusts for different wheel sizes for accurate speed and distance readings.
- **Maximum Speed Setting:** Configures the maximum assisted speed.
- **Idle Automatic Sleep Time Setting:** Sets the time before the display enters sleep mode.
- **Backlight Brightness Setting:** Adjusts the display's backlight intensity.
- **Voltage Level Setting:** Configures the display for 36V or 48V systems.
- **PAS Connect:** Manages the Pedal Assist System levels.

Image: Detailed view of the remote control unit for the AMONIDA S900 LCD Display, showing the up, down, and mode buttons.

Operation Demonstration Video

Video: This video showcases the AMONIDA S900 LCD Display, highlighting its waterproof design and various data readouts during operation.

MAINTENANCE

To ensure the longevity and optimal performance of your AMONIDA S900 LCD Display Control Panel, follow these maintenance guidelines:

- **Cleaning:** Wipe the display screen and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the plastic or screen.
- **Water Exposure:** While the display has an IP07 rating (meaning it can withstand immersion in water up to 1 meter for 30 minutes), it is best to avoid prolonged exposure to heavy rain or direct water jets. Ensure all connections are dry before powering on.
- **Storage:** When not in use for extended periods, store the e-bike and display in a dry, cool place away from direct sunlight.
- **Cable Inspection:** Periodically check all cables and connectors for signs of wear, fraying, or damage. Replace any damaged components immediately.

TROUBLESHOOTING

If you encounter issues with your S900 LCD Display, refer to the following common problems and solutions:

- **Display Not Turning On:**
  - Check if the battery is charged and properly connected to the e-bike system.

- Ensure the 5-pin interface cable is securely connected to both the display and the controller.
- Verify that the power button is being pressed and held correctly.

- **Incorrect Speed/Mileage Readings:**

  - Check the wheel diameter setting in the display's menu. Ensure it matches your e-bike's wheel size.
  - Inspect the speed sensor for proper alignment and any obstructions.

- **PAS Not Functioning:**

  - Verify that the PAS system is enabled and correctly configured in the display settings.
  - Check the PAS sensor for proper installation and any damage.

- **Display Shows Error Code:**

  - Refer to your e-bike controller's manual for specific error code interpretations.
  - If the issue persists, contact customer support for assistance.

SPECIFICATIONS

Feature	Detail
Item Type	LCD S900 Display Control Panel
Brand	AMONIDA
Material	Plastic
Product Dimensions	Approx. 11x6mm (4.3x2.4in)
Applicable Handlebar Diameter	22.2mm (0.9in)
Product Weight	Approx. 223g (7.9oz)
Voltage Compatibility	36V, 48V
Interface Type	5-pin Interface
Application	Suitable for JN Controller and Pasion Electric Motor Kit
International Protection Rating	IP07

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.