Cloudpower 23EA1IXOUNAO25MD24PR59K

Cloudpower QS-S4 52V 25A LCD Display Throttle and Dual Drive Controller Kit User Manual

Model: 23EA1IXOUNAO25MD24PR59K | Brand: Cloudpower

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Cloudpower QS-S4 52V 25A LCD Display Throttle and Dual Drive Controller Kit. Please read this manual thoroughly before use to ensure safe and efficient operation of your electric scooter components.

2. Safety Information

- **Important Legal Notice:** It is illegal to ride electric scooters on public roads, pavements, or cycle paths in many regions. These components are intended for use only on private land with the owner's permission. Always check local regulations before use.
- Ensure all connections are secure and properly insulated before operating the scooter.
- Do not attempt to modify the components. Unauthorized modifications can lead to malfunction and void the warranty.
- Keep the components dry and away from extreme temperatures. Although designed with waterproof features, prolonged exposure to water should be avoided.

3. Product Overview

The Cloudpower QS-S4 kit includes an LCD display throttle and two dual-drive controllers, designed to enhance the performance and control of compatible electric scooters. The controllers are constructed from durable ABS material, offering good toughness and waterproof performance for reliable operation.

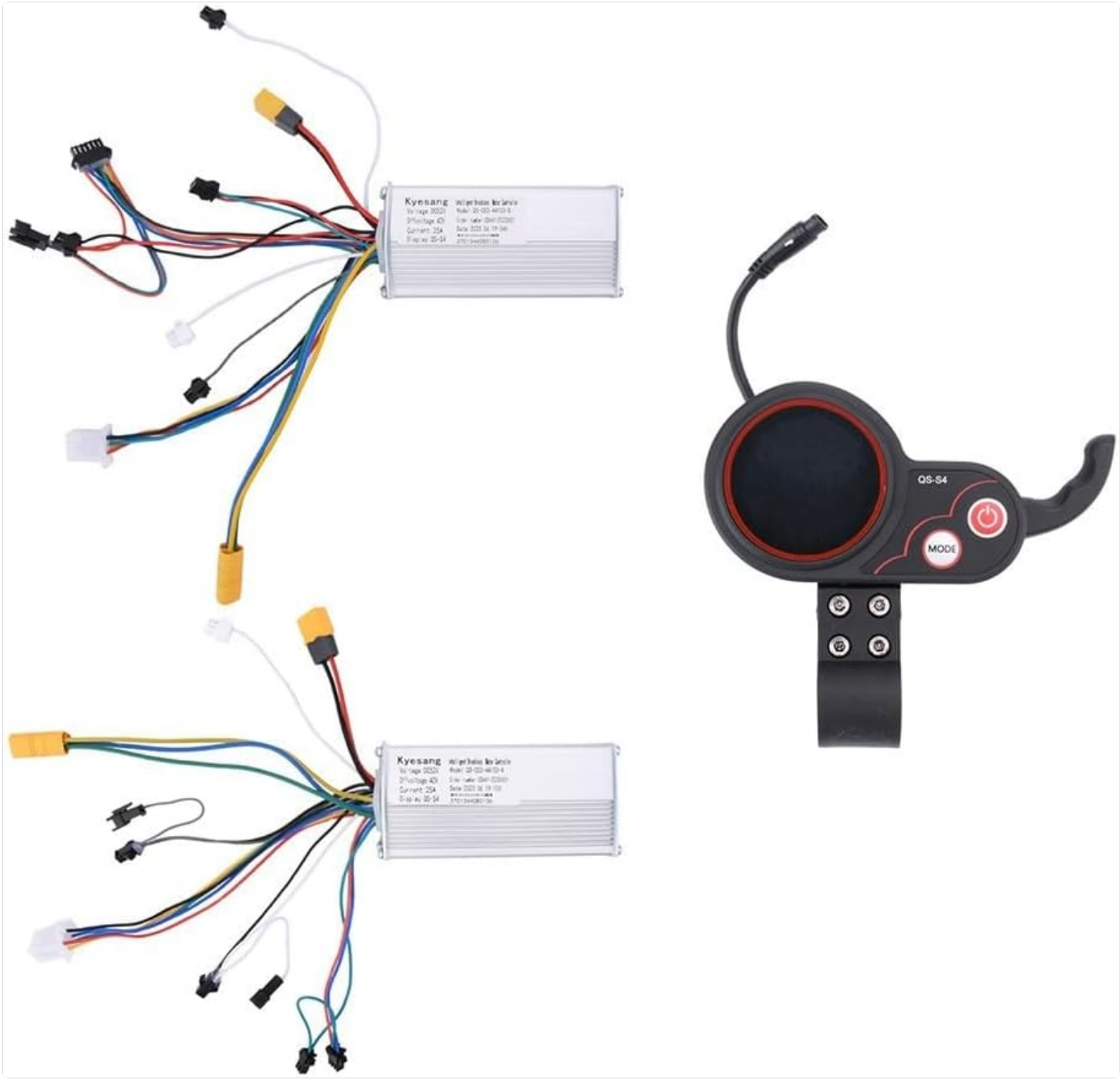


Figure 3.1: Overview of the QS-S4 LCD Display Throttle and Dual Drive Controllers.

Key Features:

- **LCD Display Throttle:** Provides real-time information including speed, gear, power level, riding mode, and indicator lights.
- **Dual Drive Controllers:** Ensures robust power management for electric scooter motors.
- **Durable Construction:** ABS material for controllers offers good toughness and waterproof performance.
- **Compatibility:** Suitable for Zero 8, 9, 10, 8x, and 10x electric scooters.

4. Package Contents

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

- 1 x Electric Scooter Instrument Display (QS-S4 LCD Throttle)
- 2 x Controllers (Dual Drive)



Figure 4.1: Contents of the package.

5. Specifications

Detailed specifications for the Cloudpower QS-S4 kit:

Feature	Specification
Brand	Cloudpower
Model Number	23EA1IXOUNAO25MD24PR59K
Controller Voltage	52V
Controller Current	25A
Display Type	QS-S4 LCD Display
Throttle Dimensions (L x W x H)	Approx. 12.5 cm x 11 cm x 3.5 cm

Controller Dimensions (L x W x H)	Approx. 11.5 cm x 5.5 cm x 3 cm
Pin Configuration	6-pin connector
Main Material	Aluminum Alloy + Plastic (ABS for controllers)



Figure 5.1: QS-S4 LCD Display Throttle dimensions.



Figure 5.2: Controller dimensions.

6. Setup and Installation

The controller and throttle are designed for straightforward installation. Follow these general steps:

1. **Preparation:** Ensure your electric scooter is powered off and disconnected from any power source.
2. **Mount the Throttle:** Secure the QS-S4 LCD display throttle onto your scooter's handlebar. Ensure it is positioned comfortably for easy access and visibility.
3. **Connect the Throttle:** Locate the corresponding 6-pin connector on your scooter's wiring harness. Carefully align and connect the 6-pin cable from the QS-S4 throttle to the scooter's system.
4. **Install Controllers:** Mount the two controllers in a suitable, protected location on your scooter, typically within the scooter's deck or a dedicated compartment.
5. **Connect Controllers:** Connect the wiring harnesses from each controller to the respective motor and battery connections on your scooter. Pay close attention to the color coding and pin configurations to ensure correct connections.
6. **Secure Wiring:** Route and secure all cables to prevent them from being pinched, snagged, or exposed to damage during operation.

7. **Initial Test:** After all connections are made, power on your scooter and perform a low-speed test in a safe, open area to confirm proper functionality of the throttle and controllers.



Figure 6.1: Example of the 6-pin connector and other wiring.



Figure 6.2: Various wiring connections for the controllers.

7. Operating Instructions

The QS-S4 LCD display throttle allows you to monitor and control your electric scooter's basic functions.

Display Functions:

- **Speed:** Displays current riding speed.
- **Gear:** Indicates the selected speed gear (e.g., 1, 2, 3).
- **Power:** Shows the remaining battery power level.
- **Mode:** Displays the current riding mode.
- **Indicator Lights:** Various icons may light up to indicate status such as headlights, turn signals, or error codes.

Button Functions:

- **Power Button:** Press and hold to turn the display and scooter system on/off.
- **MODE Button:** Short press to cycle through different display information or adjust settings (refer to your scooter's specific manual for detailed mode configurations).

To accelerate, gently press the thumb throttle. Release the throttle to decelerate. Always operate the scooter responsibly and be aware of your surroundings.

8. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your QS-S4 kit.

- **Cleaning:** Wipe the LCD display and controller surfaces with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Connection Checks:** Periodically inspect all wiring connections for tightness and signs of wear or damage. Ensure the 6-pin connector is securely seated.
- **Water Exposure:** While the controllers offer waterproof performance, avoid submerging them in water. If exposed to heavy rain, allow components to dry thoroughly before next use.
- **Storage:** Store the scooter and its components in a dry, cool place away from direct sunlight and extreme temperatures.

9. Troubleshooting

If you encounter issues with your QS-S4 kit, consider the following basic troubleshooting steps:

- **Display Not Turning On:**
  - Check if the scooter's main power is on.
  - Ensure the 6-pin connector to the display is fully seated and undamaged.
  - Verify the scooter's battery has sufficient charge.
- **No Acceleration/Motor Response:**
  - Confirm the display is on and showing normal readings.
  - Check all connections between the controllers, motors, and battery.
  - Ensure the throttle mechanism is not obstructed.
- **Inaccurate Display Readings:**
  - Power cycle the scooter (turn off and on again).
  - Ensure all connections are secure.

For persistent issues, consult a qualified technician or contact Cloudpower customer support.

10. Warranty and Support

For warranty information, please refer to the terms and conditions provided by your retailer or the official Cloudpower website. Keep your proof of purchase for any warranty claims.
For technical support or further assistance, please contact Cloudpower customer service through the contact information provided with your purchase or on the manufacturer's official channels.

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.

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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