

JH4AS5052DZXQS

Generic JH4AS5052DZXQS DC48V 28A Brushless Motor Controller User Manual

Model: JH4AS5052DZXQS

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Generic JH4AS5052DZXQS DC48V 28A Brushless Motor Controller. This controller is designed to provide steady speed and sensitive control for braking and direction changes in electric bicycles, scooters, and similar vehicles. Its robust aluminum alloy construction ensures durability and efficient heat dissipation.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your motor controller. All interfaces on the controller are labeled for easy identification. Please ensure that each interface is correctly connected to its corresponding component.

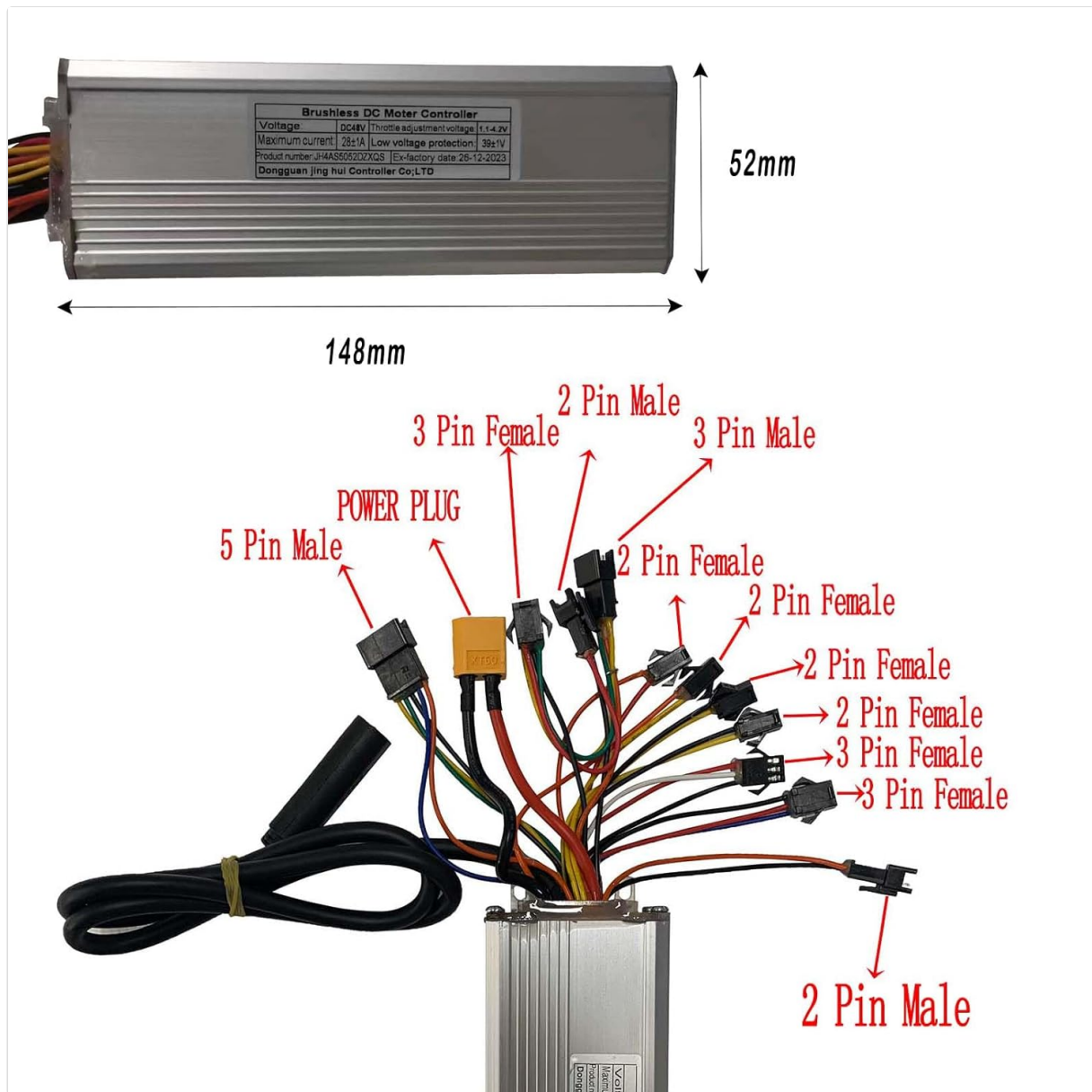


Image: The JH4AS5052DZXQS controller showing various labeled connectors (e.g., 2 Pin Male, 3 Pin Female, 5 Pin Male, POWER PLUG) and its dimensions (148mm length, 52mm width).

Key Installation Steps:

1. **Identify Connectors:** Carefully read the labels on each wire interface of the controller.
2. **Motor Wire Connection:** The controller supports two types of motor wire connectors. Ensure you use the correct type that matches your motor. If unsure, compare with your old controller's connections.
3. **Power Plug:** Connect the main power plug (often yellow XT60 type) to your battery.
4. **Throttle Connection:** Connect the throttle wire. The throttle adjustment voltage range is 1.1-4.2V.
5. **Other Connections:** Connect brake levers, display, and other accessories according to their labels.
6. **Secure Connections:** Ensure all connections are firm and secure to prevent disconnections during operation.



Image: The JH4AS5052DZXQS controller displayed alongside two different types of 9-pin motor connectors (male and female) to illustrate compatibility options.

If you require assistance identifying the correct motor wire connector type, please consult your vehicle's original manual or contact customer support with photos of your existing controller and motor connectors.

3. OPERATION

Once correctly installed, the JH4AS5052DZXQS controller provides sensitive and reliable control for your electric vehicle.

- **Power On:** Turn on your electric vehicle's main power switch. The controller will initialize.
- **Throttle Control:** Use the throttle to adjust speed. The controller is designed for a throttle adjustment voltage range of 1.1-4.2V, providing smooth acceleration.
- **Braking:** The controller offers sensitive control for braking, ensuring responsive stopping power.
- **Direction Changes:** The controller facilitates smooth and controlled changes in direction.



Image: The JH4AS5052DZXQS brushless motor controller, showcasing its aluminum alloy casing and the full array of multi-colored wires and connectors extending from one end.

4. MAINTENANCE

The JH4AS5052DZXQS controller is designed for durability and low maintenance. Follow these guidelines to ensure its longevity:

- **Heat Dissipation:** The controller's shell is made of aluminum alloy, which provides excellent heat dissipation. Ensure the controller is installed in a location with adequate airflow to prevent thermal overloading.
- **Protection:** The robust casing protects the internal circuitry from physical damage. Avoid exposing the controller to excessive impacts or harsh environments.
- **Water Resistance:** The controller offers good waterproof performance, protecting it from splashes and light rain. However, it is not designed for submersion.
- **Connection Checks:** Periodically inspect all wire connections to ensure they remain secure and free from corrosion.
- **Cleaning:** Keep the exterior of the controller clean and free from dirt or debris. Use a dry or slightly damp cloth for cleaning.



Image: The JH4AS5052DZXQS controller with a visual overlay indicating its good waterproof performance, showing water droplets on the surface.

5. TROUBLESHOOTING

If you encounter issues with your controller, consider the following basic troubleshooting steps:

- **No Power:** Check all power connections, including the battery and main power plug. Ensure the battery is charged.
- **Motor Not Responding:** Verify that the motor wire connections are secure and correctly matched. Check the throttle connection.
- **Intermittent Operation:** Inspect all wire interfaces for loose connections or damage.
- **Overheating:** Ensure the controller has adequate ventilation. If the controller feels excessively hot, disconnect power and allow it to cool.

For persistent issues or complex problems, please refer to the Warranty & Support section for contact information.

6. SPECIFICATIONS

The following are the technical specifications for the JH4AS5052DZXQS Brushless Motor Controller:

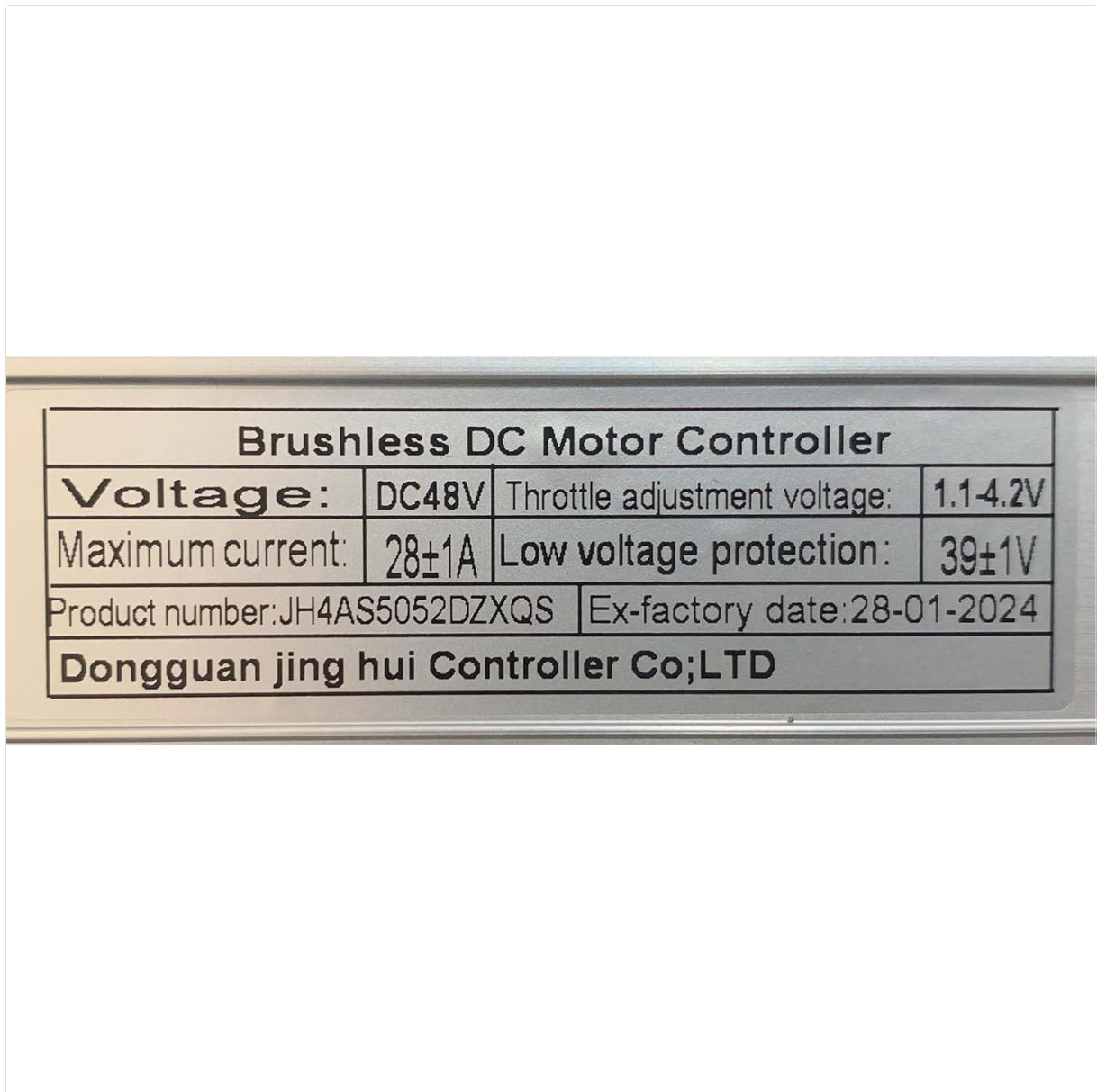


Image: A close-up view of the product label on the JH4AS5052DZXQS controller, detailing its electrical specifications and product number.

Parameter	Value
Model Number	JH4AS5052DZXQS
Voltage	DC48V
Maximum Current	28±1A
Low Voltage Protection	39±1V
Throttle Adjustment Voltage	1.1-4.2V
Shell Material	Aluminum Alloy
Dimensions (Approx.)	148mm x 52mm

7. WARRANTY & SUPPORT

We are committed to providing excellent after-sales support for all customers. Your satisfaction is our highest priority.

- **Return Policy:** If you are not satisfied with your product, you may apply for an unconditional return and refund within 180 days of receipt.
- **Customer Support:** For any problems or inquiries regarding this product, please feel free to contact us via email at any time. We will respond and assist you as soon as possible.
- **Compatibility:** Before purchase, please compare your existing item with our product to ensure compatibility.