

JKBMS Adapter Board

JKBMS Adapter Board Instruction Manual

Model: Adapter Board
Brand: JKBMS

1. PRODUCT OVERVIEW

The JKBMS Adapter Board is designed to facilitate connections for the JK BMS Battery Protection Board. It ensures seamless compatibility and stable operation within your battery management system. This board is an essential accessory for integrating your JK BMS with various battery configurations.

Key Features

- **Wide Compatibility:** Specifically designed for use with the JK BMS Battery Protection Board, ensuring stable and reliable system integration.
- **Easy Installation:** Features simple connection interfaces for quick setup without requiring specialized skills.
- **High-Quality Materials:** Constructed from premium materials for durability and long-lasting performance, with meticulously designed circuits for stable battery protection.
- **Enhanced Battery Safety:** Supports the JK BMS in safeguarding batteries against overcharging, over-discharging, and short circuits.

Package Contents

- JKBMS Adapter Board × 1

2. SETUP AND INSTALLATION

Proper installation of the JKBMS Adapter Board is crucial for optimal performance and safety. Follow these guidelines carefully.

General Connection Guidelines

- **Auxiliary Power Supply:** The auxiliary power supply interface has positive on the left and negative on the right. If the repaired battery pack voltage is below 40V, an external power supply is required.
- **2.54 mm Pin Connections:** Pins with the same serial number adjacent to the pin represent the same node. When multiple plugs are present in the sampling cable of the protection board, they must be alternately inserted into two rows in sequence.
- **2.0 mm Pin Connections:** Similar to 2.54 mm pins, pins with the same serial number next to the pin represent the same node. If multiple plugs are used in the sampling cable, they should be alternately inserted on the two rows of pins

in sequence.



Figure 1: JKBMS Adapter Board with included balance cables, showing the layout of connection points.

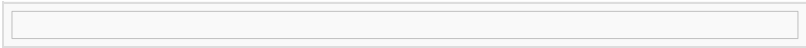


Figure 2: A detailed view of the JKBMS Adapter Board and its accompanying balance cables, illustrating the individual components.



Figure 3: The JKBMS Adapter Board shown as part of a larger system, connected with a display unit and an RS485 converter, demonstrating a typical setup.

3. OPERATING INSTRUCTIONS

The JKBMS Adapter Board functions as an interface for your JK BMS. Its operation is passive, meaning it facilitates connections rather than performing active control. Once correctly installed and connected to your JK BMS and battery pack, the system will operate according to the BMS's programming.

Ensure all connections are secure and correctly aligned according to the pin descriptions provided in the setup section and your specific JK BMS manual. Incorrect connections can lead to system malfunction or damage.

4. MAINTENANCE

The JKBMS Adapter Board requires minimal maintenance. To ensure its longevity and reliable performance:

- Keep the board clean and free from dust and debris.
- Avoid exposure to moisture or extreme temperatures.
- Periodically inspect all connections for tightness and signs of wear or corrosion.
- Do not attempt to repair or modify the board yourself. Contact support if issues arise.

5. TROUBLESHOOTING

If you encounter issues with your JKBMS Adapter Board, consider the following troubleshooting steps:

- **No Communication/Incorrect Readings:** Verify all pin connections are correctly seated and aligned according to the serial numbers. Ensure no pins are bent or damaged.
- **System Not Powering On (if applicable):** Check the auxiliary power supply connection, especially if the battery pack voltage is below 40V. Confirm correct polarity (positive left, negative right).
- **Intermittent Issues:** Inspect cables for damage or loose connections. Ensure the operating environment is stable and free from excessive vibration or electromagnetic interference.
- **Refer to BMS Manual:** For issues related to battery management functions, consult the specific instruction manual for your JK BMS.

If problems persist after performing these checks, please contact JKBMS customer support for further assistance.

6. SPECIFICATIONS

Specification	Value
Product Dimensions (L x W x H)	3.05 x 1.95 x 0.65 inches

Item Weight	2.08 ounces
Item Model Number	Adapter Board
Brand	JKBMS
Manufacturer	JKBMS
Input Voltage	12 Volts (for auxiliary power, if required)

7. WARRANTY AND SUPPORT

JKBMS is committed to providing comprehensive after-sales support and service. If you encounter any issues during the use of your Adapter Board, please do not hesitate to contact our customer service team.

For support inquiries, please visit the official JKBMS website or refer to the contact information provided with your purchase. Our team is available to assist with timely resolution and guidance.

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?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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