

BAIZIFU B0CJ3DPVC6

BAIZIFU 36V/48V Brushless Motor Controller Instruction Manual

Model: B0CJ3DPVC6

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BAIZIFU 36V/48V Waterproof Brushless Motor Speed Controller. This controller is designed for electric bicycles and scooters, supporting motors with power ratings from 150W to 300W. Please read this manual thoroughly before use to ensure proper function and safety.

2. SAFETY PRECAUTIONS

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all connections are secure and correctly wired to prevent short circuits or damage.
- Verify that the input voltage (36V/48V) matches your battery system.
- Avoid exposing the controller to extreme temperatures or direct impact.
- Although waterproof, avoid submerging the controller in water for extended periods.
- If you are unsure about any step, consult a qualified technician.

3. PRODUCT OVERVIEW

3.1 Features

- 36V/48V Rated Voltage
- 150-300 Watts Rated Power
- Designed for electric bicycles and scooters, including mechanical or electric forklifts.
- Brushless Controller technology for efficient operation.
- Waterproof design for enhanced durability.

3.2 Specifications

Attribute	Value
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Brand	BAIZIFU
Voltage	36V / 48V
Rated Power	150W - 300W
Material	Aluminum
Item Weight	8 ounces (0.5 Pounds)
Package Dimensions	3 x 3 x 2.1 inches
Warranty	1 Year

3.3 Product Components

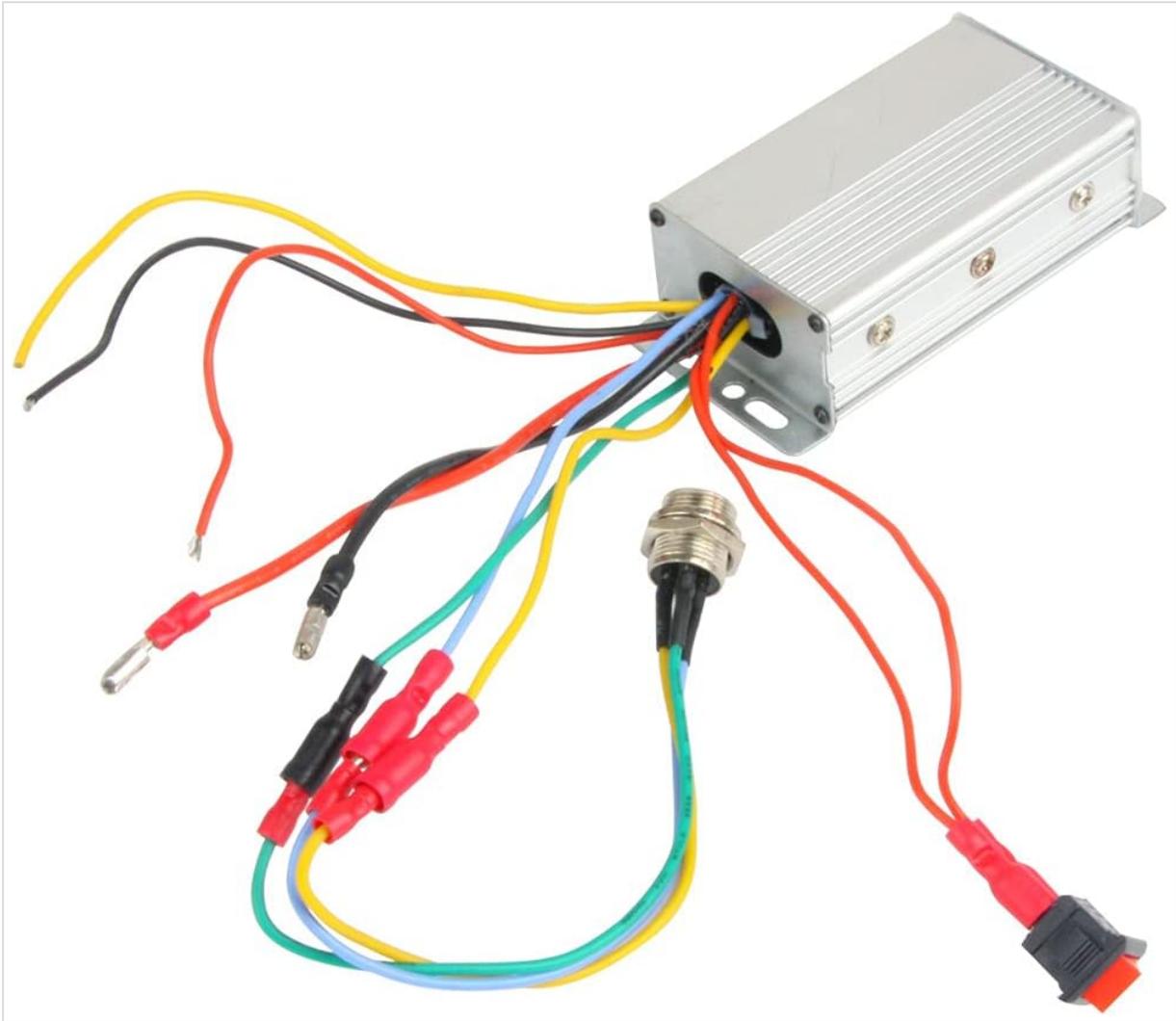


Image 1: The BAIZIFU 36V/48V Brushless Motor Controller, showing its compact aluminum casing and multiple colored wiring harnesses for connection to various components.

Motor Controller			
Voltage supported	24V/36V/48V	Is it waterproof?	YES
Power supported	150-300Watts	Overheating protection	YES

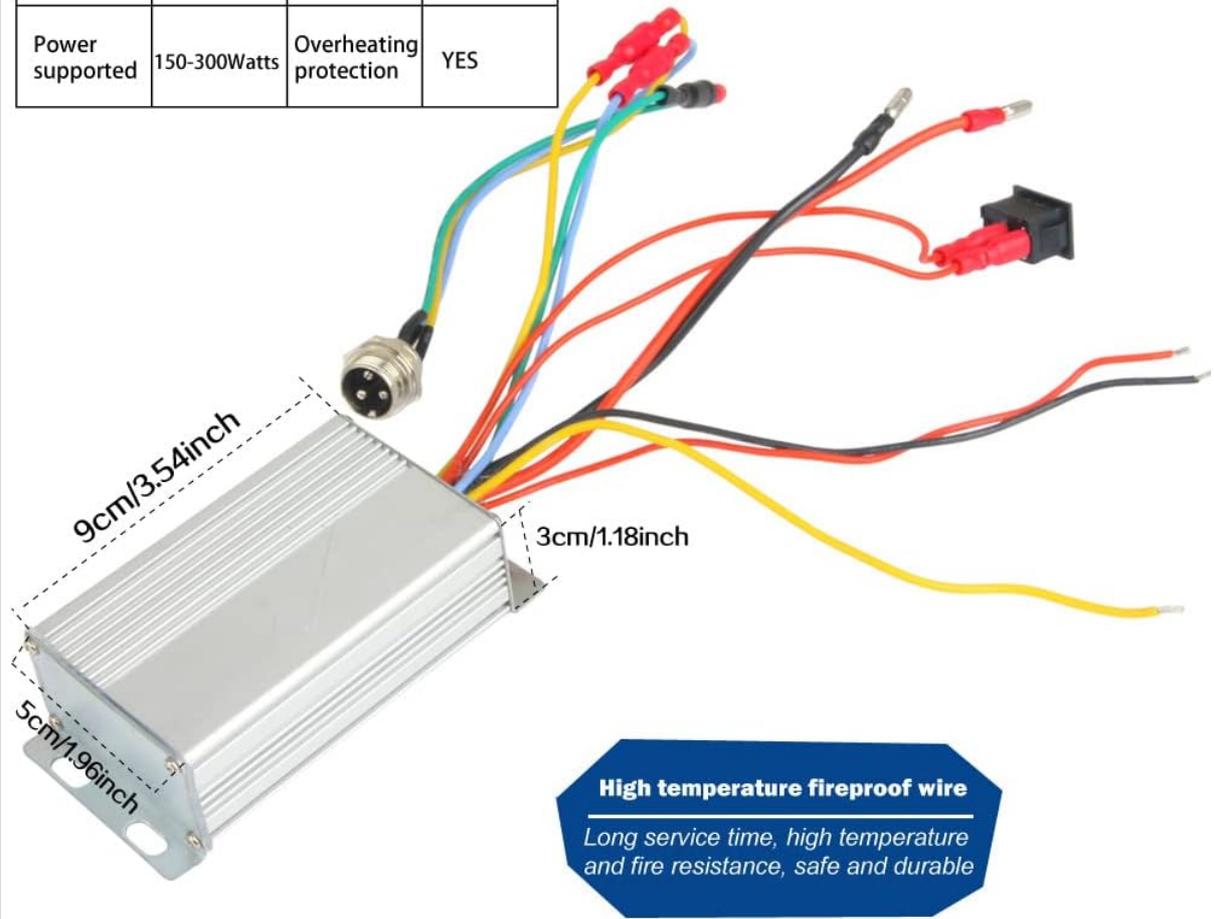


Image 2: Detailed view of the motor controller, highlighting its dimensions (9cm/3.54inch length, 5cm/1.96inch width, 3cm/1.18inch height) and key features such as 36V/48V voltage support, 150-300W power support, waterproofing, and overheating protection. Note the high-temperature fireproof wire for safety and durability.

4. INSTALLATION GUIDE

Follow these steps to correctly install your brushless motor controller. Refer to the wiring diagram for visual guidance.

Other controllers on the market are not compatible with our motors and are easy to break down

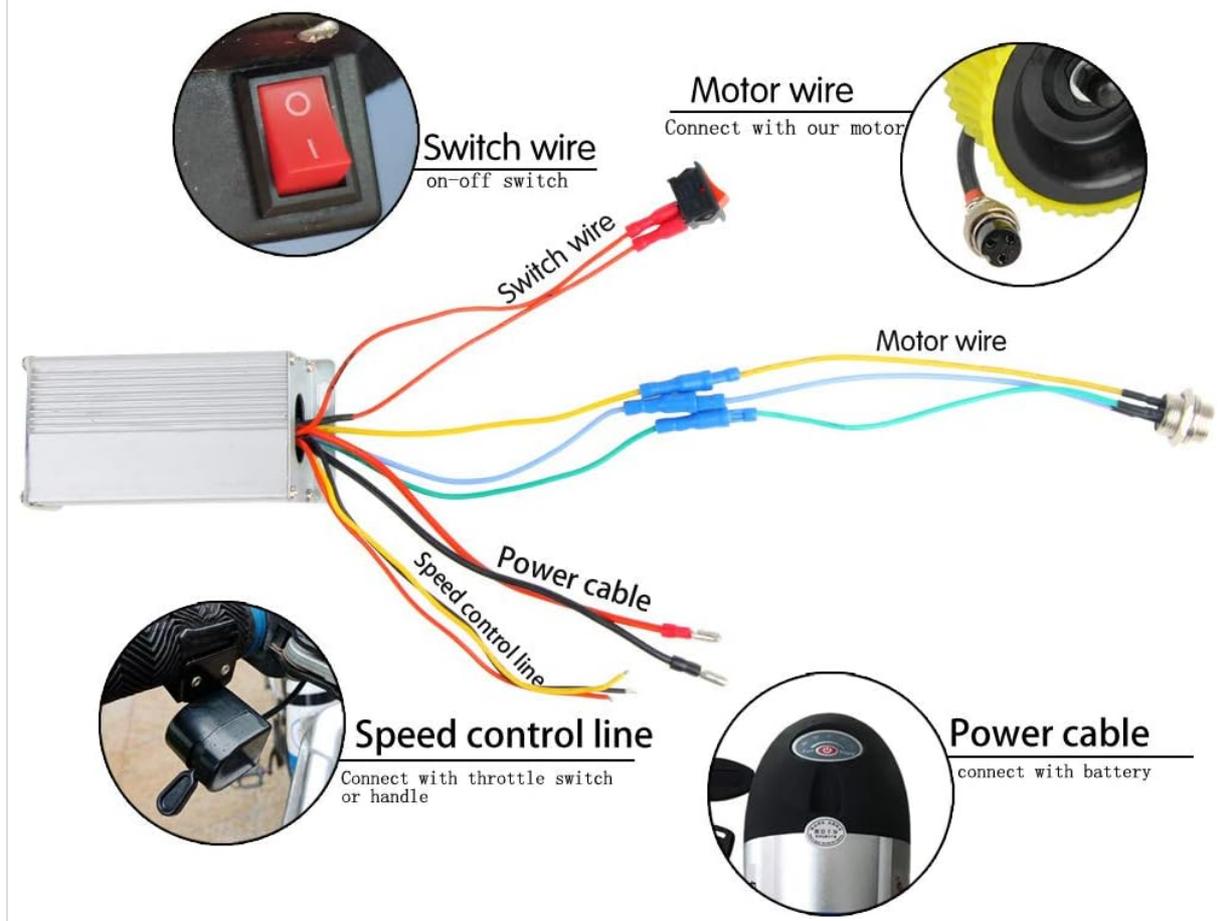


Image 3: Comprehensive wiring diagram illustrating connections for the motor wire, switch wire (on-off switch), speed control line (throttle switch/handle), and power cable (battery). This diagram helps ensure correct and secure connections for optimal performance.

1. **Connect Motor Wire:** Connect the motor wire from the controller to your motor. Ensure the connectors are firmly seated.
2. **Connect Power Cable:** Connect the power cable from the controller to your battery. Observe correct polarity (red to positive, black to negative).
3. **Connect Speed Control Line:** Attach the speed control line to your throttle switch or handle.
4. **Connect Switch Wire:** Connect the switch wire to your on-off switch.
5. **Secure Connections:** Double-check all connections for tightness and correct placement.
6. **Mount Controller:** Securely mount the controller in a suitable location on your electric bicycle or scooter, ensuring it is protected from physical damage and excessive heat.

4.1 Installation Video

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Video: This video demonstrates the process of connecting the brushless motor and controller to a power source, illustrating the wiring steps for a functional setup.

5. OPERATION INSTRUCTIONS

Once the controller is correctly installed, follow these steps to operate your electric vehicle:

1. **Power On:** Turn on the main power switch connected to the controller.
2. **Throttle Control:** Use the throttle handle or switch to control the motor speed. Gradually increase the throttle for smooth acceleration.
3. **Monitor Performance:** Pay attention to the motor's response and any unusual sounds during operation.
4. **Power Off:** When finished, turn off the main power switch to disconnect power to the controller and motor.

6. MAINTENANCE AND CARE

- **Regular Inspection:** Periodically check all wiring connections for any signs of wear, corrosion, or looseness.
- **Cleaning:** Keep the controller clean and free from dust and debris. Use a dry cloth for cleaning. Avoid using harsh chemicals.
- **Environmental Protection:** While waterproof, protect the controller from prolonged exposure to heavy rain or direct water jets.
- **Storage:** If storing the vehicle for an extended period, ensure the controller is disconnected from the battery.

7. TROUBLESHOOTING GUIDE

If you encounter issues with your motor controller, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Motor not starting	No power, loose connections, faulty switch.	Check battery charge, verify all wiring connections, test the on-off switch.
Motor runs intermittently	Loose wiring, intermittent power supply, throttle issue.	Inspect all connections, check battery output, test throttle functionality.
Motor runs but no speed control	Faulty throttle, speed control line disconnected.	Check speed control line connection, test or replace throttle.
Controller gets excessively hot	Overload, poor ventilation, short circuit.	Reduce load, ensure proper airflow around controller, check for short circuits in wiring.

If the problem persists after attempting these solutions, please contact customer support.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This BAIZIFU Brushless Motor Controller comes with a **1-year warranty** from the date of purchase. The warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized modifications, or normal wear and tear.

To claim warranty service, please retain your proof of purchase and contact our customer support team.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact BAIZIFU customer support through the retailer's platform or the official brand website. Please have your product model number (B0CJ3DPVC6) and purchase details ready when contacting support.

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