

XINMEILAN 72V50A Minimotors Electric Scooter Dual Drive Controller

XINMEILAN 72V 50A Minimotors Electric Scooter Dual Drive Controller Instruction Manual

Model: 72V50A Minimotors Electric Scooter Dual Drive Controller

Brand: XINMEILAN

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the XINMEILAN 72V 50A Minimotors Electric Scooter Dual Drive Controller. This control module is designed as a replacement part for Kaabo Wolf King GT/Pro electric scooters. It is intended for replacing damaged or old components and is not recommended for retrofitting other vehicle models. Proper installation by a qualified professional is strongly advised to ensure correct functionality and safety.

2. PRODUCT FEATURES

- **Voltage and Amperage:** 72V 50A
- **Compatibility:** Specifically designed for Kaabo Wolf King GT/Pro electric scooters.
- **Function:** Front and Rear Dual Drive Controller.
- **Purpose:** Replacement control module for existing damaged components.
- **Exterior:** Smooth surface.

3. WHAT'S IN THE BOX

The package includes the XINMEILAN 72V 50A Minimotors Electric Scooter Dual Drive Controller as depicted in the main product image.

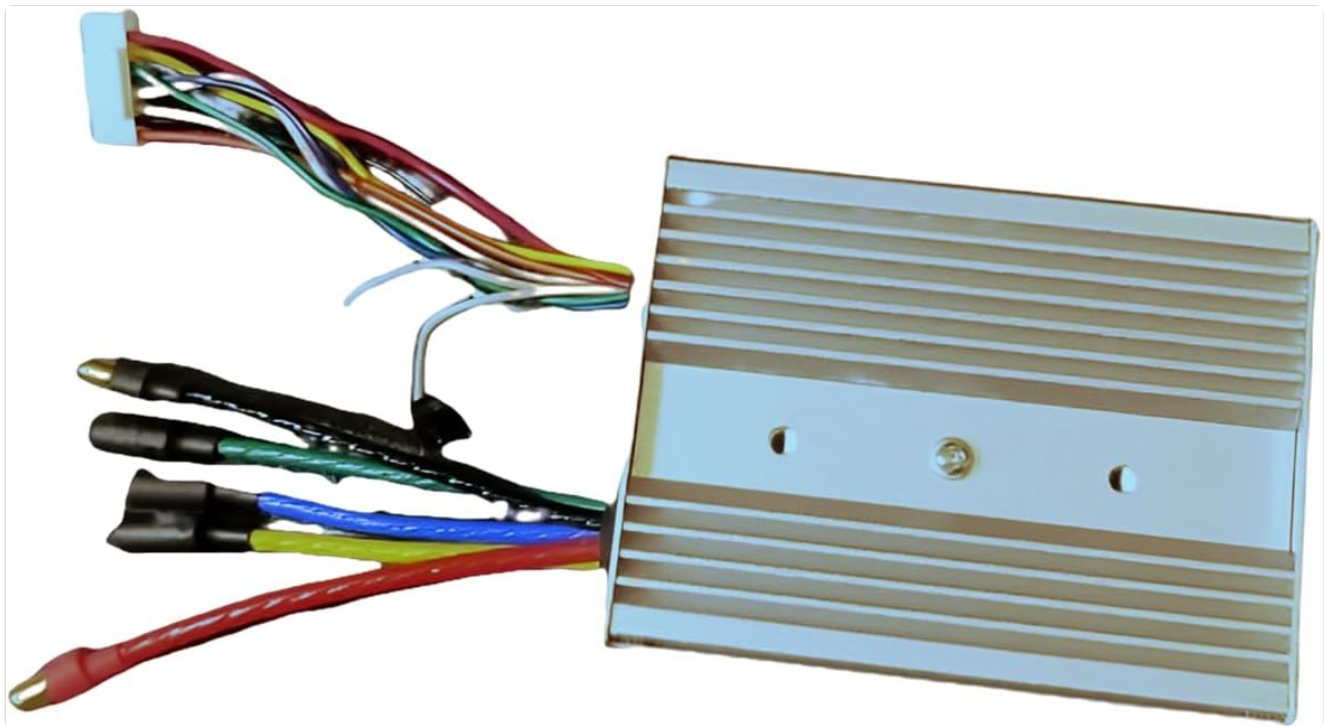


Figure 1: Main view of the XINMEILAN 72V 50A Minimotors Electric Scooter Dual Drive Controller, showing its compact design and integrated wiring harness.

4. SETUP AND INSTALLATION

Important: Installation of this electric scooter controller requires technical expertise. It is strongly recommended that installation be performed by a qualified professional to ensure safety and proper functionality. Incorrect installation can lead to damage to the controller, scooter, or personal injury.

4.1 General Connection Overview

The controller features multiple wire harnesses for various connections. These typically include:

- **Battery Power:** Thick red and black wires for positive and negative battery connections.
- **Motor Phase Wires:** Three thick wires (e.g., yellow, green, blue) connecting to the motor.
- **Hall Sensor Wires:** A thinner multi-wire connector for motor hall sensors.
- **Ignition/Key Switch:** Wires for turning the scooter on/off.
- **Throttle:** Connector for the accelerator throttle.
- **Brake Levers:** Connectors for electronic brake signals.
- **Display/Meter:** Wires for connecting to the scooter's display unit.
- **Other Functions:** May include wires for lights, horn, cruise control, speed limit, etc.

Ensure all connections are made securely and match the existing wiring configuration of your Kaabo Wolf King GT/Pro scooter. Refer to your scooter's specific wiring diagram for precise connections.

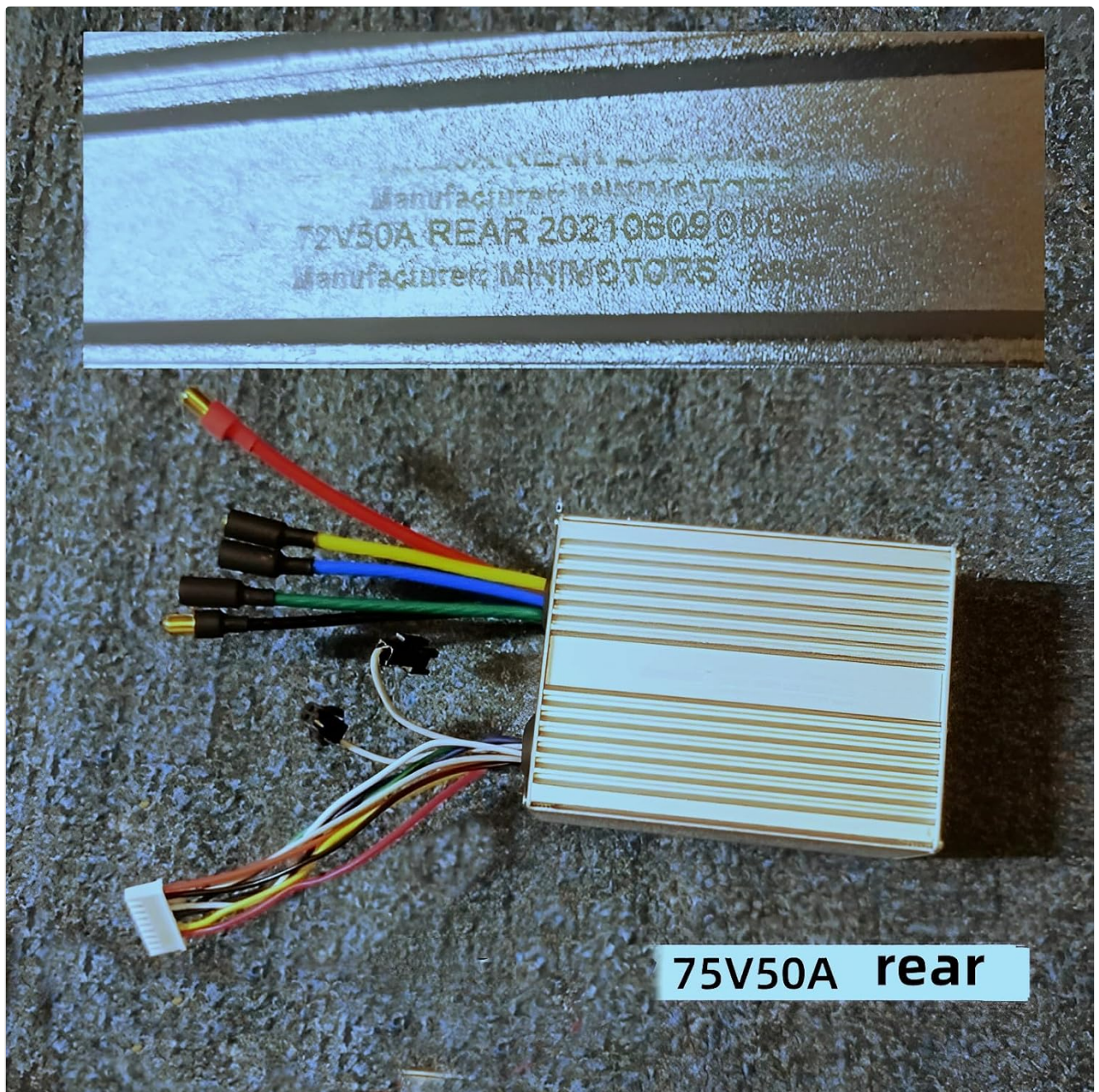


Figure 2: Top view of the controller, highlighting the various wire harnesses and connectors for integration into the scooter's electrical system. Note the "72V50A REAR" marking.

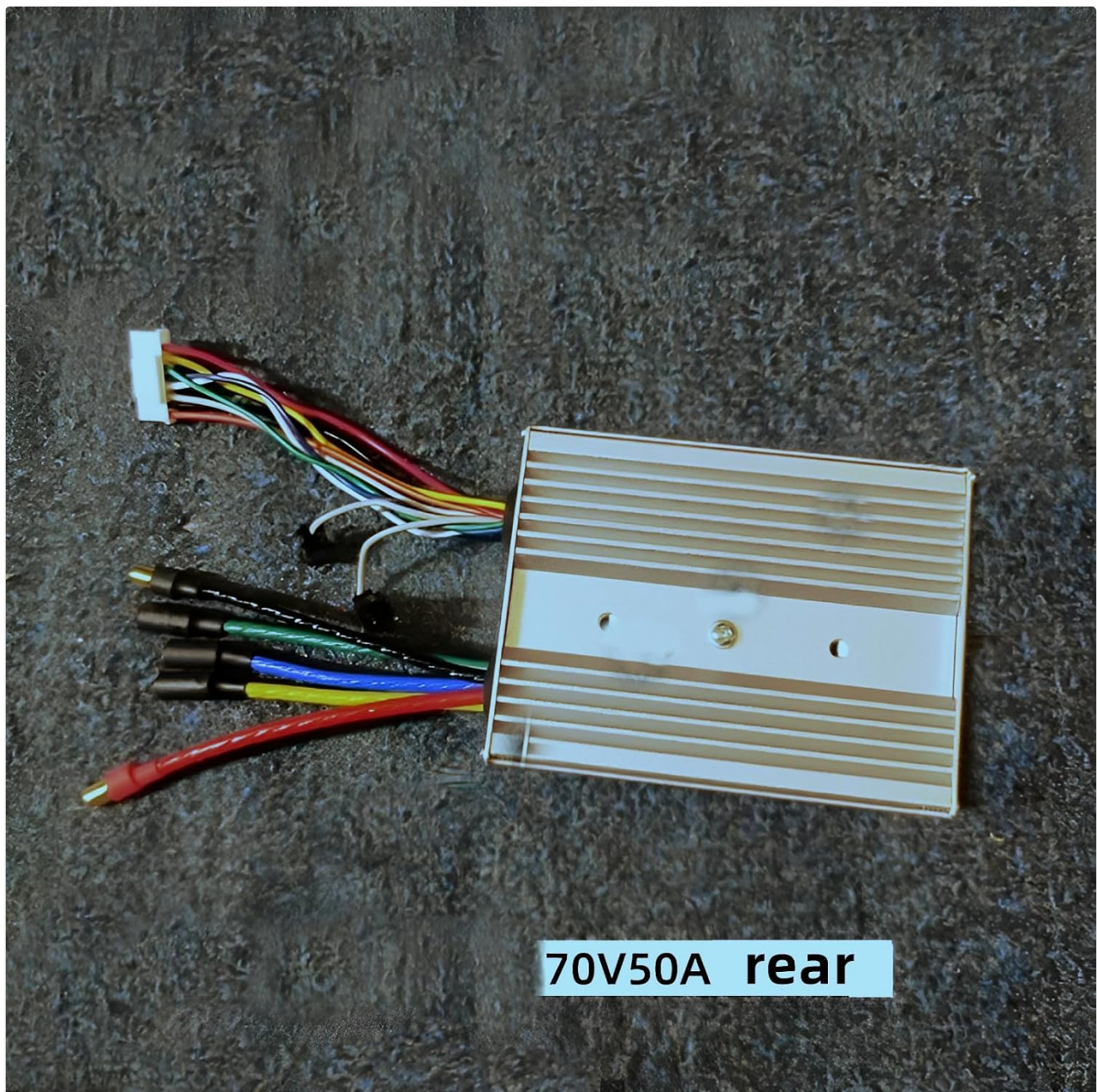


Figure 3: Another perspective of the controller, illustrating the arrangement of the wiring for connection to the scooter's components.

4.2 Installation Video Guide

For a visual guide on connecting a similar electric scooter controller, please refer to the video below. While this video may feature a different model, the general principles of connection can be helpful. Always prioritize your specific scooter's wiring diagram and professional advice.

Your browser does not support the video tag.

Video 1: Demonstration of connecting an electric scooter controller. This video provides a general overview of the wiring process for similar controllers.

Another video demonstrating a 48V/72V 60A electric controller setup, which may offer additional insights into general controller wiring:

Your browser does not support the video tag.

Video 2: Overview of a 48V/72V 60A electric controller, showing its components and potential connection points.

5. OPERATING INSTRUCTIONS

Once correctly installed, the controller operates in conjunction with your scooter's existing components (throttle, display, brake levers). The controller manages power delivery to the motors based on your input. No direct user interaction with the controller itself is typically required during operation.

- **Power On/Off:** Use the scooter's main power switch or key ignition.
- **Acceleration:** Control speed via the scooter's throttle.
- **Braking:** Engage the scooter's brake levers for both mechanical and electronic braking (if supported).
- **Display Functions:** Monitor speed, battery level, and other parameters through the scooter's display unit.

Always refer to your Kaabo Wolf King GT/Pro scooter's user manual for specific operating procedures and safety guidelines.

6. MAINTENANCE

The XINMEILAN controller is a sealed electronic component and generally requires minimal maintenance. However, regular checks of the surrounding components are recommended:

- **Visual Inspection:** Periodically inspect the controller and its wiring for any signs of damage, corrosion, or loose connections.
- **Cleanliness:** Keep the area around the controller clean and free from dust, dirt, and moisture.
- **Heat Management:** Ensure the controller has adequate ventilation and is not obstructed, as proper airflow is crucial for heat dissipation.
- **Avoid Water Exposure:** While some scooters have water resistance, avoid direct exposure of the controller to heavy rain or submersion.

Do not attempt to open the controller casing, as this will void any potential warranty and may damage internal components.

7. TROUBLESHOOTING

If you experience issues with your electric scooter after controller installation, consider the following troubleshooting steps:

- **No Power:**
 - Check battery connections and ensure the battery is charged.
 - Verify the ignition/key switch is in the "ON" position.
 - Inspect all power cables for secure connections and damage.
- **Motor Not Responding:**
 - Ensure throttle connections are secure and the throttle is functioning correctly.
 - Check motor phase wires and Hall sensor connections.
 - Verify brake levers are not engaged, as some systems cut power when brakes are applied.
- **Erratic Behavior:**
 - Inspect all wiring for loose connections or shorts.
 - Ensure the controller is securely mounted and not vibrating excessively.
- **Error Codes on Display:**
 - Refer to your scooter's display manual for interpretation of error codes.

- Common error codes often relate to motor, throttle, or brake sensor issues.

If troubleshooting steps do not resolve the issue, contact a qualified electric scooter technician or the seller for further assistance. Do not attempt complex repairs without proper knowledge and tools.

8. SPECIFICATIONS

Feature	Detail
Brand	XINMEILAN
Model	electric scooter (Controller)
Voltage	72V
Amperage	50A
Compatibility	Kaabo Wolf King GT/Pro
Controller Type	Minimotors Front and Rear Dual Drive
Exterior	Smooth surface
Manufacturer Part Number	XML-SHL-108469MK
UPC	741960367245
Operating Temperature	60 Degrees Celsius (Maximum)
Display Type (Compatible)	LED or LCD

9. WARRANTY AND SUPPORT

Specific warranty details for this product may vary. Please refer to the purchase documentation or contact the seller directly for information regarding warranty coverage, return policies, and technical support. It is advisable to retain your proof of purchase for any warranty claims.

For technical assistance or inquiries, please reach out to the XINMEILAN customer support or the retailer from whom the product was purchased.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. [Privacy details](#).

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