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› [Wildeway](#) /

› [Wildeway KW26 Controller Ebike Replacement Accessory User Manual](#)

Wildeway KW26 Controller

Wildeway KW26 Controller Ebike Replacement Accessory User Manual

Model: KW26 Controller

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Wildeway KW26 Controller Ebike Replacement Accessory. Please read this manual thoroughly before attempting any installation or use to ensure proper function and safety.

2. SAFETY INFORMATION

- Always disconnect the ebike's battery power before installing, removing, or servicing the controller or any electrical components.
- Ensure all connections are secure and correctly matched to prevent electrical shorts or damage.
- Avoid exposing the controller to water, excessive moisture, or extreme temperatures.
- If you are unsure about any installation steps, consult a qualified ebike technician.
- Do not attempt to modify the controller's internal components. This may void the warranty and create safety hazards.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Wildeway KW26 Controller with integrated wiring harness



Image 1: The Wildway KW26 Controller, showing its compact metal casing and various color-coded connectors for motor, battery, throttle, and other ebike components.

4. SPECIFICATIONS

Feature	Value
Rated Voltage	48V
Maximum Current	22A
Low Voltage Protection	39V
Rated Current	11A
Throttle Adjustment Voltage	1.2V-4.4V
Product Number	20240515279
Ex-factory Date	08.2024

5. INSTALLATION

- Prepare the Ebike:** Ensure the ebike is turned off and the battery is disconnected or removed before beginning installation. This prevents accidental power surges or electrical shorts.
- Locate Existing Controller:** Identify the current controller on your ebike. Note its mounting location and how its wires are routed.
- Disconnect Old Controller:** Carefully disconnect all wires from the old controller. Pay attention to the color and type of each connector (e.g., motor phase wires, Hall sensor wires, battery power, throttle, brake levers, display). It may be helpful to take photos for reference.
- Remove Old Controller:** Unmount the old controller from its position.
- Mount New KW26 Controller:** Secure the Wildway KW26 Controller in the same or a suitable location on your ebike. Ensure it is protected from physical damage and moisture.
- Connect Wiring:** Connect the wires from your ebike to the corresponding ports on the new KW26 Controller.
 - Match motor phase wires (usually thicker, often green, blue, yellow).

- Connect Hall sensor wires (usually thinner, often green, blue, yellow, red, black).
- Connect battery power wires (red for positive, black for negative).
- Connect throttle, brake lever cut-offs, display, and any other accessory wires according to their specific connectors.

Note: Most ebike components use standardized connectors, but always double-check for proper fit and pin alignment. For specific wiring diagrams, consult your ebike's original manual if available.

7. **Secure Connections:** Ensure all connections are firmly seated and secured to prevent accidental disconnection during riding. Use cable ties if necessary to manage wires neatly.
8. **Reconnect Battery:** Once all connections are made and secured, reconnect the ebike battery.
9. **Initial Test:** Power on the ebike and perform a basic function test. Check throttle response, brake cut-off function, and display operation. If any issues arise, immediately disconnect power and re-check all connections.

6. OPERATION

The Wildway KW26 Controller is designed to seamlessly integrate with your ebike's motor and other electrical components. Once correctly installed, its operation is largely automatic:

- It regulates the power delivery from the battery to the motor based on your throttle input or pedal assist system (PAS) settings.
- It manages various ebike functions such as motor speed, current limits, and low voltage protection.
- Ensure your ebike's display and throttle are functioning correctly to interact with the controller.

7. MAINTENANCE

To ensure the longevity and optimal performance of your KW26 Controller, follow these maintenance guidelines:

- **Keep Clean:** Periodically clean the exterior of the controller with a dry or slightly damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Check Connections:** Regularly inspect all wire connections to ensure they are secure and free from corrosion or damage. Loose connections can lead to intermittent power or component failure.
- **Protect from Elements:** While the controller is designed for outdoor use, prolonged exposure to heavy rain or direct water jets should be avoided. Ensure it is mounted in a location that offers some protection.
- **Temperature:** Avoid operating or storing the ebike in extreme temperatures, as this can affect the controller's performance and lifespan.

8. TROUBLESHOOTING

If you encounter issues with your ebike after installing the KW26 Controller, consider the following common troubleshooting steps:

- **No Power:**
 - Check if the ebike battery is fully charged and properly connected.
 - Verify all main power connections to the controller are secure.
 - Inspect the ebike's fuse (if applicable) for continuity.
- **Motor Not Responding:**
 - Ensure motor phase wires and Hall sensor wires are correctly connected and not damaged.
 - Check the throttle connection and functionality.

- Verify that brake lever cut-off switches are not engaged.
- **Intermittent Power:**
 - Inspect all wiring for loose connections or signs of wear and tear.
 - Ensure the controller is securely mounted and not vibrating excessively.
- **Error Codes on Display:**
 - Refer to your ebike's display manual for specific error code meanings and troubleshooting steps.

If these steps do not resolve the issue, please contact customer support.

9. WARRANTY INFORMATION

The Wildeway KW26 Controller comes with a limited warranty. For details regarding the terms and conditions of your warranty, please refer to the original purchase documentation or contact Wildeway customer support.

10. CUSTOMER SUPPORT

For technical assistance, warranty claims, or any questions regarding your Wildeway KW26 Controller, please contact Wildeway customer support. You can typically find support contact information by clicking on your order details or the seller's name on the purchase platform. When contacting support, please provide videos or photos to illustrate your problem, which will help expedite the resolution process.

Wildeway aims to address customer inquiries within 24 hours.

