

Akozon Akozondhfstyga9v

Akozon 36V 6-Wire E-bike Speed Control Thumb Throttle Assembly

Model: Akozondhfstyga9v

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Akozon 36V 6-Wire Speed Control Thumb Throttle Assembly. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

- Always disconnect the e-bike's battery before performing any installation or maintenance.
- Ensure all wiring connections are secure and insulated to prevent short circuits.
- Verify the throttle's voltage compatibility (36V) with your e-bike system.
- Do not attempt to modify the throttle assembly.
- Consult a qualified technician if you are unsure about any installation steps.

PACKAGE CONTENTS

- 1 x Akozon E-bike Thumb Throttle (Grip not included)
- 1 x Wiring Terminal
- 1 x Round Fixed Terminal



Image: The Akozon 36V 6-Wire E-bike Speed Control Thumb Throttle Assembly, showing the main unit with its attached wiring harness and terminals.

SPECIFICATIONS

Condition	Brand New
Material	PVC + ABS
Color	Black
Voltage	36V
Wire Count	6 Wires
Cable Length	Approx. 165 cm (65 in)
Weight	Approx. 142g (5oz)

Compatibility	Lithium battery electric bikes
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SETUP AND INSTALLATION

1. Mounting the Throttle

1. Identify a suitable position on your e-bike's handlebars, typically on the left side, ensuring it does not interfere with brake levers or gear shifters.
2. Loosen the clamp screw on the throttle assembly.
3. Slide the throttle onto the handlebar.
4. Adjust the position for comfortable thumb operation and tighten the clamp screw securely. Do not overtighten.



Image: Side view of the thumb throttle, illustrating its compact design and how it mounts onto a handlebar without obstructing other controls.

2. Wiring Connections

The throttle assembly features a 6-wire configuration. Connect these wires to your e-bike's controller according to the

following color code. Use the provided wiring terminals for secure connections.

- **Red Wire:** +5V (Power supply for throttle)
- **Black Wire:** Negative (Ground)
- **White Wire:** Signal Output (Throttle signal)
- **Green Wire:** Positive (Battery voltage input for indicator)
- **Yellow Wire:** Switch (On/Off function, if applicable)
- **Brown Wire:** Switch (On/Off function, if applicable)

Ensure that the wiring connections are correct and insulated to prevent any electrical issues. Incorrect wiring can damage the throttle or the e-bike's controller.

OPERATING INSTRUCTIONS

1. Speed Control

Once installed and connected, the thumb throttle provides sensitive and even speed control. Press the thumb lever forward to increase speed. Release the lever to return to a neutral position and reduce speed.



Image: A close-up view of the thumb throttle, highlighting the ergonomic thumb lever for speed control.

2. Battery Capacity Display

The throttle assembly includes an integrated battery capacity display with three LED indicators: FULL, HALF, and EMPTY. These indicators provide a visual representation of your e-bike's battery charge level.

- **FULL:** Indicates a high battery charge.
- **HALF:** Indicates a medium battery charge.
- **EMPTY:** Indicates a low battery charge, requiring a recharge.



Battery Capacity Display Function

It can notice you that how much battery it leaves anytime.

Image: A detailed view of the thumb throttle's battery capacity display, showing the 'FULL', 'HALF', and 'EMPTY' indicators.



Image: The thumb throttle with its battery indicators illuminated, demonstrating the visual feedback for battery charge level.

MAINTENANCE

- Keep the throttle assembly clean and free from dirt and debris. Use a soft, dry cloth for cleaning.
- Regularly check all wiring connections for tightness and signs of wear or damage.
- Ensure the thumb lever moves freely and returns to its neutral position without sticking.
- Avoid exposing the throttle to extreme weather conditions or prolonged direct sunlight.

TROUBLESHOOTING

1. Throttle Not Responding

- Check all wiring connections to ensure they are secure and correctly matched according to the wiring diagram.
- Verify that the e-bike's battery is charged and properly connected.
- Ensure the e-bike's power is on.
- Inspect the throttle cable for any kinks or damage.

2. Incorrect Battery Indicator Reading

- Confirm that the throttle's voltage (36V) matches your e-bike's battery voltage. Mismatched voltages can lead to

inaccurate readings.

- Check the green wire connection, which supplies power to the indicator.

3. Sticking Thumb Lever

- Clean any dirt or debris around the pivot point of the thumb lever.
- Ensure the throttle is not overtightened on the handlebar, which could impede lever movement.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Akozon customer service through the retailer where the product was purchased. Please have your product model number (Akozondhfstyga9v) and purchase details ready.

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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

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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