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AlveyTech X98-3260

AlveyTech 3-Wire Thumb Throttle Instruction Manual

Model: X98-3260

Product Overview

The AlveyTech 3-Wire Thumb Throttle is a replacement speed controller designed for electric scooters, offering smooth and responsive acceleration. This component is essential for controlling the speed of your scooter and is built for durability and ease of use.



Image: The AlveyTech 3-Wire Thumb Throttle, a black unit with a thumb pad and a wiring harness with a white connector.

Key Features

- **For Slotted Handlebars:** Designed specifically for handlebars with a slot, allowing the internal key to slide in. Not compatible with standard round handlebars without a slot.
- **Female End Connector:** Features a female connector end. Verify compatibility with your existing male connector.

- **Wide Compatibility:** Fits GOTRAX Apex, Apex LE, Apex XL, Apex Pro, GXL V2, Hiboy S2, S2 Pro, Megawheels S10, and iScooter i9 electric scooters.
- **Easy Plug N' Play Installation:** Includes a 7-inch wiring harness for straightforward installation.
- **Ergonomic Design:** Features a textured silicone thumb pad for comfortable and effortless speed adjustments.



Image: An electric scooter with an overlay showing the thumb throttle and a list of compatible models including GOTRAX Apex series, Hiboy S2, Megawheels S10, and iScooter i9.

Installation Guide

Follow these steps for a smooth and easy installation of your new AlveyTech 3-Wire Thumb Throttle. Ensure your scooter is powered off and the battery is disconnected before beginning any installation.

1. **Disconnect Battery:** Always disconnect the scooter's battery to prevent electrical hazards.
2. **Remove Grip:** Carefully remove the handlebar grip on the side where the throttle will be installed or replaced.
3. **Loosen Set Screw:** Locate and loosen the set screw on the bottom of the existing throttle unit.
4. **Disconnect Throttle Harness:** Disconnect the old throttle's wiring harness from the main harness. Access to this connection may vary between scooter models.
5. **Slide and Remove:** Slide the old throttle down about an inch and remove any rubber insert from the handlebar slot. Gently pull the harness through and slide the old throttle off the handlebar.
6. **Install New Throttle:** To install the new AlveyTech thumb throttle, repeat these instructions in reverse. Be careful to align the key-way on the throttle with the slot on the handlebar for a secure fit.
7. **Reconnect and Test:** Once the new throttle is securely in place and wired, reconnect the battery and test the throttle's function at a low speed in a safe environment.

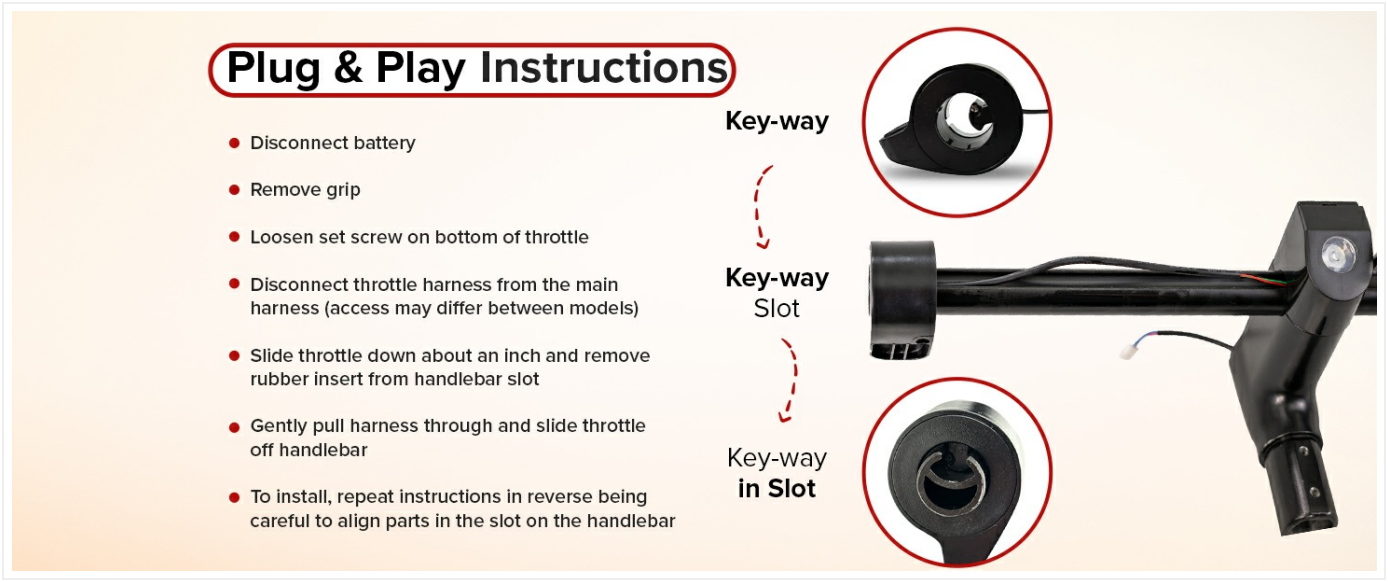


Image: A diagram illustrating the key-way and key-way slot on the handlebar, demonstrating how the throttle fits into place for plug and play installation.

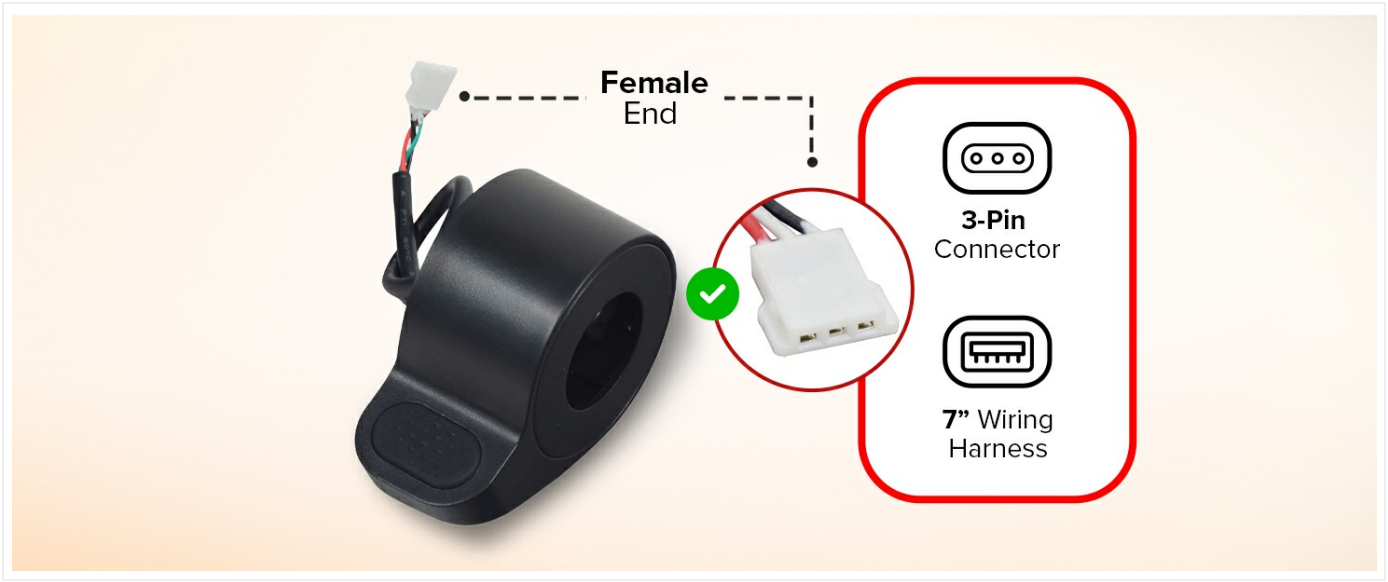


Image: A close-up view of the 3-pin female connector and the 7-inch wiring harness, highlighting the 'Female End' for proper connection.

Operating Instructions

The AlveyTech 3-Wire Thumb Throttle provides intuitive speed control for your electric scooter. To operate:

- **Activation:** Once your scooter is powered on, gently press the thumb pad forward with your thumb to engage the motor and begin accelerating.
- **Speed Adjustment:** Increase pressure on the thumb pad to increase speed. Release pressure to reduce speed. The textured silicone thumb pad ensures a comfortable and firm grip for precise control.
- **Deceleration:** Fully release the thumb pad to return to idle or to allow the scooter to coast. Use your scooter's braking system for complete stops.



Image: A close-up of a handlebar with the AlveyTech thumb throttle, emphasizing the textured silicone thumb pad for smooth speed adjustment and enhanced riding comfort.

Maintenance

To ensure the longevity and optimal performance of your AlveyTech 3-Wire Thumb Throttle, consider the following maintenance tips:

- **Regular Cleaning:** Keep the thumb throttle clean from dirt, dust, and debris. Use a soft, damp cloth to wipe the surface. Avoid harsh chemicals or abrasive materials.
- **Inspect Wiring:** Periodically check the wiring harness for any signs of wear, fraying, or damage. Ensure connections remain secure.
- **Avoid Excessive Force:** Do not apply excessive force to the thumb pad or the throttle unit, as this can cause internal damage.
- **Storage:** If storing your scooter for an extended period, ensure it is in a dry environment to prevent moisture damage to electronic components.

Troubleshooting

If you encounter issues with your AlveyTech 3-Wire Thumb Throttle, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Throttle not responding	Loose or disconnected wiring harness. Incorrect wiring (e.g., reversed wires).	Check all connections to ensure they are secure. Verify that the wiring matches the scooter's original configuration. Some users have reported needing to reverse red and black wires if the throttle is inoperable upon installation.
Inconsistent speed control	Debris obstructing the thumb pad mechanism. Internal wear.	Clean the throttle unit thoroughly. If the issue persists, the throttle may need replacement.
Throttle does not fit handlebar	Handlebar is not slotted.	This throttle is designed for slotted handlebars only. It will not work with standard round handlebars without a slot. Ensure your handlebar has the necessary key-way slot.

Specifications

Attribute	Detail
Brand	AlveyTech
Model Number	X98-3260
Vehicle Service Type	Electric Scooter
Color	Black
Material	Plastic, Silicone
Product Dimensions (L x W)	3"L x 4"W (7.62 cm L x 10.16 cm W)
Throttle Length	2-7/16" (6.19 cm)
Throttle Width	1-1/16" (2.70 cm)
Wire Harness Length	7" (17.78 cm)
UPC	810070313944



Image: A visual representation of the AlveyTech thumb throttle alongside its key specifications, including throttle length, width, and wire harness length.

Official Product Video

[redacted]

Video: An official product video demonstrating the features and ease of installation of the AlveyTech 3-Wire Thumb Throttle for GOTRAX Electric Scooters.

Warranty and Support

AlveyTech is committed to providing high-quality products. For any questions, technical assistance, or support regarding your 3-Wire Thumb Throttle, please refer to the seller's contact information on the platform where the product was purchased. While specific warranty details are not provided in this manual, standard return policies of the retailer typically apply.

For more information about AlveyTech products, you can visit the official AlveyTech Store on Amazon.

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