

HUDAMZKY 130X

HUDAMZKY 130X Thumb Throttle Instruction Manual

For Electric Bicycles and Scooters

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your HUDAMZKY 130X Thumb Throttle. This throttle is designed for electric bicycles and scooters, offering speed control for various voltage systems from 12V to 72V. It features a waterproof 3-pin male plug and is compatible with most 22.5mm diameter handlebars.



Image: The 130X Thumb Throttle with its waterproof connector and a detailed wiring diagram indicating the Speed Signal, Battery negative, and Battery +5V pins.

2. SETUP AND INSTALLATION

The 130X thumb throttle is designed for easy installation on handlebars with a diameter of 22.5mm. No modification, cutting, or drilling is typically required. Please follow the steps below for proper installation.

2.1 Installation Steps

1. **Loosen the Nut:** Begin by loosening the nut on the throttle's clamp mechanism.
2. **Position on Handlebar:** Slide the 130X thumb throttle onto the 22.5mm diameter handlebar. Ensure it is positioned comfortably for your thumb, allowing for full range of motion. The throttle can be installed for either right or left-hand use.
3. **Tighten the Nut:** Securely tighten the nut to fix the throttle in place on the handlebar. Do not overtighten.
4. **Connect to Controller:** Connect the waterproof 3-pin male plug of the throttle to the corresponding female connector on your e-bike or scooter controller. Note that this waterproof connector cannot connect directly to the controller; it requires a 1-to-4 Bus-cable if your system does not have a direct compatible port. The cable length is 25cm (9.8 inches).

5. **Install Grip and Test:** Reinstall your handlebar grip if removed. Test the throttle functionality before riding.

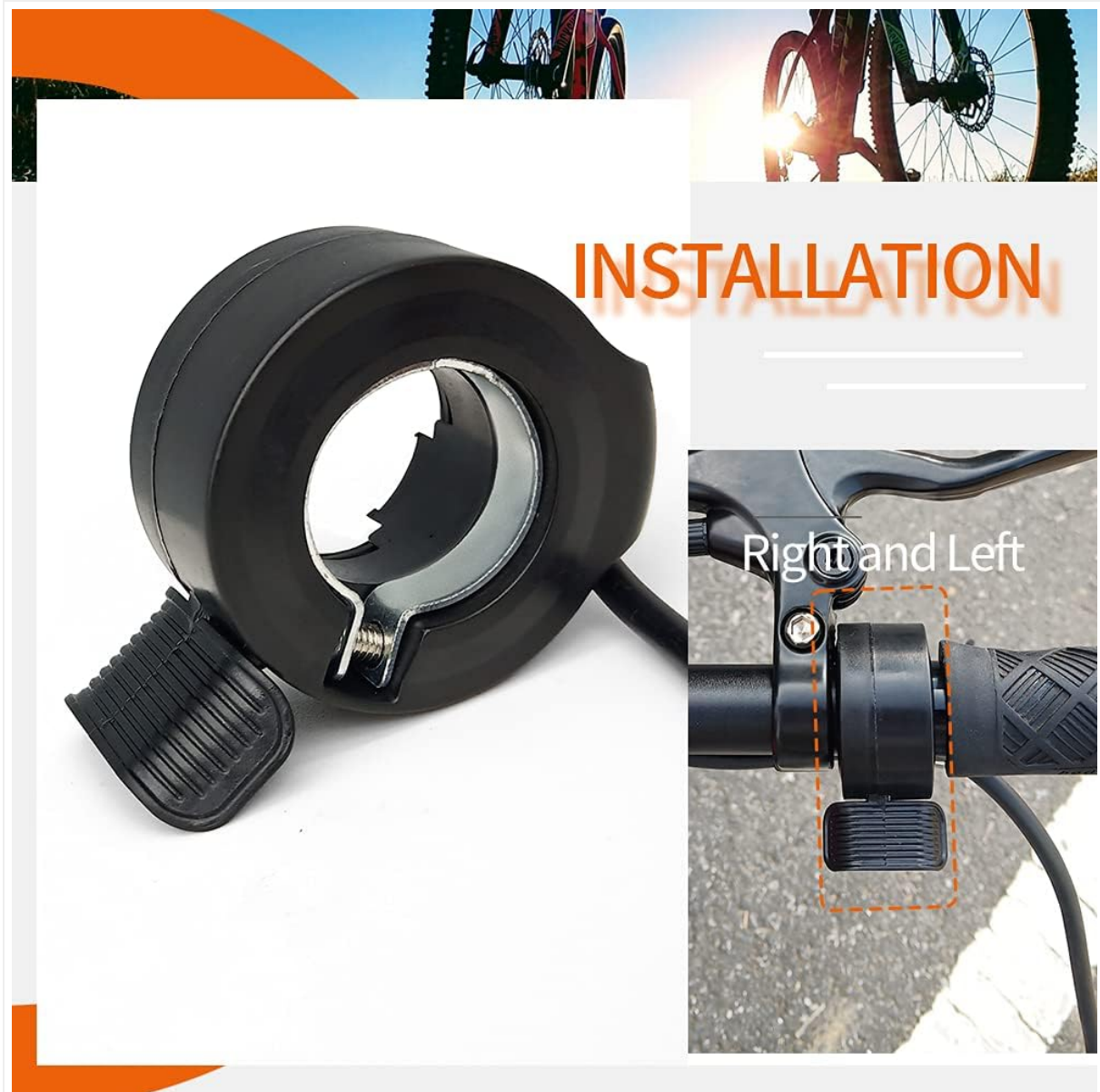


Image: Visual guide for installing the thumb throttle on a handlebar, showing its adaptability for right or left-hand placement.

2.2 Installation Video Guide

For a visual demonstration of the installation process, please refer to the video below:

Video: Official video demonstrating the installation process of the 130X Waterproof Plug thumb throttle on an e-bike handlebar.

3. OPERATING INSTRUCTIONS

The 130X Thumb Throttle provides intuitive speed control for your electric bicycle or scooter. Once properly installed and connected to your controller, operate it as follows:

- **Activation:** Ensure your e-bike or scooter's power system is turned on.
- **Acceleration:** Gently press the thumb lever forward with your thumb to engage the motor and accelerate. The further you press the lever, the more power is delivered, increasing your speed.
- **Deceleration:** Release the thumb lever to reduce power and decelerate. The motor will disengage or

reduce power as the lever returns to its resting position.

- **Adjustable Angle:** The thumb lever is adjustable up to 70 degrees for ergonomic comfort.

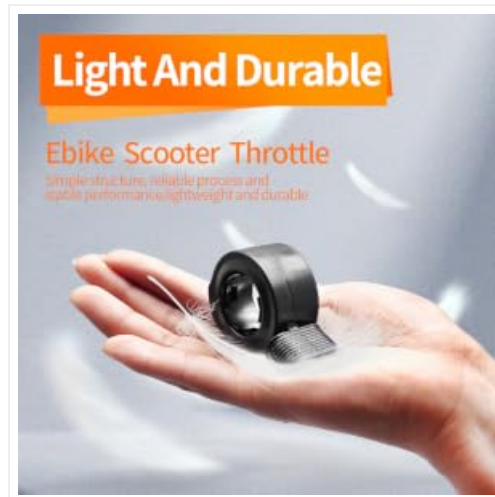


Image: The thumb throttle in use, demonstrating its ergonomic design for speed control.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your thumb throttle.

- **Cleaning:** Periodically wipe the throttle clean with a damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the plastic housing or internal components.
- **Connection Check:** Regularly inspect the waterproof connector for any signs of damage, corrosion, or loose connections. Ensure it remains securely plugged into the controller or bus-cable.
- **Cable Inspection:** Check the cable for any cuts, fraying, or kinks that could affect its functionality.
- **Mounting Security:** Verify that the throttle remains securely mounted on the handlebar. Tighten the clamp nut if any looseness is detected.

5. TROUBLESHOOTING

If you encounter issues with your 130X Thumb Throttle, consider the following troubleshooting steps:

- **Throttle Not Responding:**
 - Check if the e-bike/scooter power is on.
 - Ensure the throttle's waterproof connector is securely plugged into the controller or bus-cable.
 - Inspect the cable for any visible damage.
 - Verify that your controller is compatible with a 3-pin thumb throttle.
- **Intermittent Operation:**
 - Check for loose connections at the throttle and controller ends.
 - Ensure the thumb lever moves freely without obstruction.
- **Incorrect Speed Response:**
 - Confirm the throttle is fully returning to its resting position when released.
 - Ensure the throttle is not obstructed by other handlebar accessories.

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

6. SPECIFICATIONS

Feature	Specification
Product Type	130X Thumb Throttle
Plug Type	Waterproof 3-pin Male Plug (Yellow)
Voltage Compatibility	12V-72V
Handlebar Diameter	22.5 mm (0.87 inches)
Cable Length	25 cm (9.8 inches)
Material	Aluminum, Plastic
Color	Black
Dimensions (approx.)	30mm (length) x 22.7mm (width) x 47.5mm (height)



Image: Detailed dimensions of the 130X Thumb Throttle for precise fitment.

7. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact the seller

directly through the platform where the product was purchased. Ensure you have your purchase details readily available when contacting support.