Wuxing 76X

Generic Wuxing 76X Left Hand Electric Bicycle Half Twist Throttle Instruction Manual

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Generic Wuxing 76X Left Hand Electric Bicycle Half Twist Throttle. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

Product Overview

The Wuxing 76X Half Twist Throttle is designed for electric bicycles, offering stable and sensitive speed control. It is compatible with a wide range of e-bike voltages and handlebars.

What's in the Box:

- 1 x Twist Grip (Half Twist Throttle)
- 2 x Grip Sleeves (one for the throttle, one for the right handlebar)
- 1 x Accessories (likely small parts for installation)



Image: The complete package of the Wuxing 76X Half Twist Throttle, showing the main throttle unit, two grip sleeves, and the attached wiring with an SM plug.

Key Features:

- **Left-Handed Use:** Specifically designed for installation on the left side of the handlebar.
- **Wide Voltage Compatibility:** Supports 24V, 36V, 48V, 52V, 60V, and 72V electric bicycle systems.
- **Standard SM Plug:** Features a 3-pin SM plug for easy connection to compatible controllers.
- **Universal Handlebar Fit:** Compatible with most electric bikes featuring a φ22.5 mm handlebar diameter.
- **Durable Construction:** Made from high-quality rubber and ABS materials for longevity and comfortable grip.

Safety Information

- Always disconnect the e-bike's battery before performing any installation, maintenance, or repair work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Verify that the throttle operates smoothly and returns to its neutral position when released.
- Do not modify the throttle or its wiring. Unauthorized modifications can lead to malfunction or injury.
- If you are unsure about any installation steps, consult a qualified bicycle technician.

Setup and Installation

Proper installation is crucial for the safe and effective operation of your e-bike throttle.

Pre-Installation Checks:

1. **Handlebar Diameter:** Confirm your e-bike's handlebar has a φ22.5 mm diameter for proper fit.
2. **Controller Compatibility:** Ensure your e-bike controller uses a 3-pin SM plug for the throttle connection.



Image: A close-up view of the 3-pin SM plug. It is essential to verify that this plug type matches your e-bike controller's receptacle before

proceeding with installation.

Installation Steps:

1. **Prepare Handlebar:** Remove any existing grip or throttle from the left side of your e-bike handlebar. Clean the handlebar surface.
2. **Install Throttle Grip:** Slide the half twist throttle unit onto the left handlebar. Position it comfortably for your hand.
3. **Install Right Grip:** Slide the remaining grip sleeve onto the right handlebar.
4. **Secure Components:** If your throttle or grips include clamps or screws, tighten them securely to prevent rotation during use. Do not overtighten.
5. **Connect Wiring:** Locate the throttle input on your e-bike controller. Carefully align the 3-pin SM plug from the throttle with the corresponding port on the controller and push firmly until it clicks into place. Ensure the connection is secure.



Image: The half twist throttle and one grip sleeve shown separately, illustrating how they are positioned on the handlebar during installation.

Post-Installation Check:

After installation, reconnect the e-bike battery. Turn on the e-bike and test the throttle's function in a safe, open area. Ensure smooth acceleration and deceleration, and that the throttle returns to zero when released.

Operating Instructions

The half twist throttle provides variable speed control for your electric bicycle.

- **Activation:** Once your e-bike is powered on, gently twist the throttle grip towards you to engage the motor.

- **Speed Control:** The further you twist the grip, the more power is delivered to the motor, resulting in increased speed.
- **Deceleration/Stopping:** Release the throttle grip to return it to its neutral position, which will reduce power to the motor. Apply brakes as needed to stop.
- **Smooth Operation:** For optimal performance and to avoid sudden jerks or motor skipping, apply and release the throttle smoothly and gradually.

Maintenance

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

- **Cleaning:** Wipe the throttle and grips with a damp cloth to remove dirt and grime. Avoid using harsh chemicals or abrasive cleaners.
- **Connection Check:** Periodically inspect the SM plug connection to ensure it remains secure and free from corrosion.
- **Cable Inspection:** Check the throttle cable for any signs of wear, fraying, or damage. Replace if necessary.
- **Smooth Movement:** Ensure the twist mechanism moves freely without sticking. If it feels stiff, a small amount of silicone-based lubricant can be applied to the rotating parts, avoiding electrical contacts.

Troubleshooting

Problem	Possible Cause	Solution
Throttle not responding	Loose or disconnected SM plug; E-bike power off; Faulty throttle or controller.	Check SM plug connection; Ensure e-bike is powered on; Test with a known good throttle (if available) or consult a technician.
Unstable or jerky speed control	Twisting throttle too quickly; Loose connection; Internal throttle issue.	Apply throttle more smoothly and gradually; Check SM plug connection; If problem persists, consider throttle replacement.
Throttle stuck or stiff	Dirt or debris; Mechanical obstruction.	Clean around the twist mechanism; Apply a small amount of silicone lubricant; Ensure no cables are interfering with movement.

Specifications

- **Item Type:** Electric Bike Speed Governor Handlebar (Half Twist Throttle)
- **Material:** Rubber, ABS
- **Plug Type:** SM Plug (3-pin)
- **Cable Length:** Approximately 180 cm (70.9 inches)
- **Turning Handle Diameter:** 2.22 cm (0.9 inches)
- **Applicable Voltage:** 24V, 36V, 48V, 52V, 60V, 72V
- **Compatibility:** Suitable for mountain bikes, road bikes, and other e-bike modifications with φ22.5 mm handlebars.
- **Color:** Black
- **Weight:** Approximately 10.08 ounces (324g gross weight)
- **Dimensions (L x W):** Approximately 6.3" x 4.3"

Warranty Information

This product comes with a**1-year warranty** from the date of purchase. The warranty covers manufacturing defects under normal use. It does not cover damage resulting from improper installation, misuse, accidents, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

Support

If you encounter any issues not covered in this manual or require further assistance, please contact the seller or a qualified e-bike technician. Provide your product model (Wuxing 76X) and a detailed description of the problem for efficient support.

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.

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Example: How do I reset this device or fix this error?

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