



Manuals.plus /

› Wokyo /

› Wokyo TF-100 Electric Scooter Throttle with 6-Pin Waterproof LCD Display User Manual

Wokyo TF-100 Electric Scooter Throttle 6 Pin

Wokyo TF-100 Electric Scooter Throttle with 6-Pin Waterproof LCD Display User Manual

Model: TF-100 Electric Scooter Throttle 6 Pin

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Wokyo TF-100 Electric Scooter Throttle with 6-Pin Waterproof LCD Display. This device integrates throttle control and a display unit, designed for compatibility with various electric scooters that utilize Protocol 2, including models like Kugoo M4, Kugoo Pro, Vsett, Kaabo, and Dualtron. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image 1.1: Overview of the Wokyo TF-100 Electric Scooter Throttle with integrated LCD display and 6-pin connector.

2. PRODUCT FEATURES

- **Integrated Design:** Combines thumb throttle control and an LCD display into a single unit, simplifying scooter controls.
- **Clear LCD Display:** Provides real-time data including speed, battery level, distance traveled, and other essential riding information.
- **Ergonomic Thumb Control:** Allows for easy and precise acceleration and speed adjustment with a simple thumb movement.
- **Waterproof Construction:** Equipped with a waterproof plug and durable design to ensure reliable performance in various weather conditions.
- **Wide Compatibility:** Designed for electric scooters using Protocol 2, such as Kugoo M4, Kugoo Pro, Vsett, Kaabo, and Dualtron.

3. SETUP AND INSTALLATION

The Wokyo TF-100 throttle is designed for straightforward installation. Follow these steps carefully:

1. **Compatibility Check:** Before installation, verify that your electric scooter's controller uses Protocol 2. This

throttle is specifically compatible with TF-100 system scooters. Incompatibility may prevent the device from functioning correctly.

2. **Mounting:** Securely attach the throttle unit to your scooter's handlebars using the provided mounting hardware. Ensure it is positioned comfortably for thumb operation and that the display is clearly visible.
3. **Wiring Connection:** Connect the 6-pin waterproof plug from the throttle to the corresponding port on your electric scooter's wiring harness. Ensure the connection is firm and secure. Refer to the wiring diagram below for pin assignments.

6 pin Meter Front View



Image 3.1: Detailed 6-pin wiring diagram. Pin assignments are: Red (+) for positive power, Black (-) for negative power, HALL Blue, RT Green, XT Yellow, and DS White for signal and data lines.



Image 3.2: The TF-100 throttle unit mounted on an electric scooter's handlebars, showing its position relative to other controls.



Image 3.3: Important warning indicating that this product is only compatible with TF-100 system scooters. Users should verify their system before purchase.

4. OPERATING INSTRUCTIONS

Once installed and connected, operating the TF-100 throttle is intuitive:

1. **Power On/Off:** Press and hold the power button (usually marked with a power symbol) to turn the display and throttle system on or off.
2. **Acceleration:** Use the thumb lever to control acceleration. Pushing the lever forward will increase speed. Release the lever to reduce speed or coast.
3. **Mode Button:** The "MODE" button allows you to cycle through different display modes or settings, such as trip distance, total odometer, or other parameters depending on your scooter's controller.
4. **LCD Display Information:**
 - **Speed:** Displays current riding speed (km/h or mph).
 - **Battery Level:** Indicates the remaining battery charge.
 - **Distance:** Shows trip distance (TRIP) and potentially total odometer (ODO).
 - **Gear/Mode:** May indicate the current power assist level or riding mode.



Image 4.1: A close-up view of the TF-100 LCD display, illustrating the various data points such as speed, battery charge, and trip distance.

5. MAINTENANCE

The Wokyo TF-100 throttle is designed for durability and minimal maintenance. Adhere to the following guidelines:

- **Cleaning:** Wipe the display and throttle unit with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners that could damage the screen or housing.
- **Water Resistance:** The unit features a waterproof plug and is designed to withstand moisture. However, avoid submerging the unit in water or exposing it to high-pressure water jets.
- **Connection Check:** Periodically inspect the 6-pin connector for any signs of wear, corrosion, or loose connections. Ensure it remains securely plugged in.
- **Storage:** When not in use for extended periods, store the scooter and its components in a dry, cool environment away from direct sunlight.

6. TROUBLESHOOTING

If you encounter issues with your TF-100 throttle, consider the following:

- **No Power/Display Not Lighting Up:**
 - Ensure the scooter's main power is on.
 - Check the 6-pin connection for proper seating and any visible damage.
 - Verify the scooter's battery has sufficient charge.
- **Throttle Not Responding:**
 - Confirm the 6-pin connection is secure.
 - Recheck compatibility: This throttle requires your scooter's controller to use Protocol 2. If your scooter uses a different protocol (e.g., a Jetson Haze e-bike, as noted in some user experiences), this throttle will not function.
 - Inspect the throttle lever for any physical obstructions or damage.
- **Inaccurate Display Readings:**
 - Ensure all connections are tight.
 - If speed or distance readings are incorrect, consult your scooter's main controller manual for calibration procedures, if available.

If problems persist after following these steps, please contact Wokyo customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	Electric Scooter Throttle 6 Pin (TF-100)
Compatibility	Electric scooters using Protocol 2 (e.g., Kugoo M4, Kugoo Pro, Vsett, Kaabo, Dualtron)
Connector Type	6-Pin Waterproof Plug
Voltage Range	36-48 V
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	4.92 x 4.33 x 1.38 inches
Item Weight	3.84 ounces
Manufacturer	Wokyo

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Wokyo customer service. Keep your purchase receipt as proof of purchase. Contact details can typically be found on the product packaging or the official Wokyo website.