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Tomofree Z1/Z2

Tomofree Z1/Z2 Electric Bike Accessories User Manual

Model: Z1/Z2 Throttle with Integrated Display

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Tomofree Z1/Z2 Electric Bike Accessory. This accessory is specifically designed for use with Tomofree Z1 and Z2 E-Bikes. Please ensure your bike model is compatible before proceeding with installation or use.

2. PRODUCT OVERVIEW

The Tomofree Z1/Z2 Electric Bike Accessory is an integrated throttle and display unit designed to enhance your riding experience. It provides real-time information about your e-bike's status and allows for intuitive control.



Figure 1: Tomofree Z1/Z2 Electric Bike Throttle with Integrated Display. This image shows the main unit featuring a digital display indicating 48V and 000 miles, a battery level icon, a black control button, and a white key card with a red floral pattern, suggesting an NFC or RFID key function.

Key Components:

- **Integrated Display:** Shows voltage (e.g., 48V), mileage (e.g., 000 mi), and battery charge level.
- **Throttle Grip:** For controlling motor speed.
- **Control Button:** A black circular button, likely for power or mode selection.
- **Key Card:** A white card with a floral design, possibly for activating or deactivating the bike.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your accessory. If you are unsure about any step, it is recommended to seek professional assistance.

1. **Preparation:** Ensure your Tomofree Z1/Z2 E-Bike is powered off and the battery is disconnected before beginning installation.
2. **Handlebar Mounting:** Securely mount the throttle and display unit onto the handlebar of your e-bike. Ensure it is positioned comfortably for easy access and visibility. Use appropriate tools to tighten any mounting screws, but do not overtighten.
3. **Wiring Connection:** Carefully connect the accessory's wiring harness to the corresponding ports on your Tomofree Z1/Z2 E-Bike's electrical system. Refer to your e-bike's main manual for specific wiring diagrams if necessary. Ensure all connections are secure and properly insulated.
4. **Key Card Pairing (if applicable):** If your accessory includes a key card for activation, follow the instructions provided with your e-bike or accessory for pairing the card with the system. This typically involves holding the card

near a designated sensor.

5. **Final Check:** Once installed, double-check all connections and ensure the unit is firmly mounted.

4. OPERATING INSTRUCTIONS

This section details how to operate the integrated throttle and display unit.

Powering On/Off:

- To power on the system, ensure the key card is recognized (if applicable) and press the control button.
- To power off, press and hold the control button until the display turns off.

Display Information:

- **Voltage (V):** Indicates the current battery voltage. A lower voltage suggests a lower charge level.
- **Mileage (mi):** Displays the accumulated distance traveled.
- **Battery Indicator:** Provides a visual representation of the remaining battery charge.

Throttle Operation:

Gently twist the throttle grip towards you to engage the motor and accelerate. Release the throttle to reduce speed or stop. Always operate the throttle smoothly and be aware of your surroundings.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your accessory.

- **Cleaning:** Wipe the display and throttle unit with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surface or electronics.
- **Connections:** Periodically check all electrical connections for tightness and signs of wear or corrosion.
- **Storage:** When not in use for extended periods, store the e-bike and its accessories in a dry, cool place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Tomofree Z1/Z2 accessory, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display not turning on	Loose connection, discharged battery, key card not recognized.	Check all wiring connections. Ensure e-bike battery is charged. Re-attempt key card activation.
Throttle not responding	Loose wiring, system error.	Verify throttle wiring connections. Power cycle the e-bike (turn off and on again).
Incorrect mileage display	Sensor issue, calibration needed.	Consult your e-bike's main manual for display calibration procedures or contact support.

If the problem persists after attempting these solutions, please contact Tomofree customer support.

7. SPECIFICATIONS

The following specifications apply to the Tomofree Z1/Z2 Electric Bike Accessory and compatible e-bikes:

- **Model Name:** Z1/Z2
- **Style:** Z1/Z2 Throttle
- **Compatible Bike Type:** Tomofree Z1/Z2 Folding Electric Bikes
- **Display Voltage:** 48V (as shown on display)
- **Material:** High Carbon Steel (*Note: This material specification is for the compatible bike frame. The accessory itself is typically made of durable plastics and electronics.*)
- **Wattage (Compatible Bike):** 1000 watts

8. WARRANTY INFORMATION

This Tomofree Z1/Z2 Electric Bike Accessory comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

For warranty claims, please retain your proof of purchase and contact Tomofree customer support.



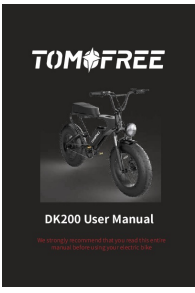
9. CUSTOMER SUPPORT



For further assistance, technical support, or inquiries regarding your Tomofree Z1/Z2 Electric Bike Accessory, please visit the official Tomofree Store or contact their customer service department.

Tomofree Store: <https://www.amazon.com/stores/Tomofree/page/18A05AC3-622C-4301-8BA0-F46767486348>

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