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› Fockety TF 100 48V Electric Scooter LCD Display and Thumb Throttle User Manual

Fockety TF 100 (Focketyxnf4w2atrk)

Fockety TF 100 48V Electric Scooter LCD Display and Thumb Throttle User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the Fockety TF 100 48V Electric Scooter LCD Display and Thumb Throttle. This device is designed to enhance your electric scooter riding experience by providing essential real-time data and intuitive control. It is compatible with M4 and SEALUP electric scooters.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the lifespan of your product.



Figure 1: Fockety TF 100 Electric Scooter LCD Display and Thumb Throttle Unit

2. SETUP AND INSTALLATION

The TF 100 display and thumb throttle unit is designed for straightforward installation. Ensure your scooter is powered off before beginning the installation process.

2.1 Mounting the Unit

1. Identify a suitable position on your scooter's handlebar for the display unit. Ensure it does not obstruct steering or other controls.
2. Loosen the mounting screws on the clamp of the TF 100 unit.
3. Position the unit on the handlebar and tighten the screws securely. Do not overtighten.



Figure 2: TF 100 Display mounted on an electric scooter handlebar

2.2 Connecting the 6-Pin Cable

1. Locate the corresponding 6-pin connector on your electric scooter's wiring harness.
2. Align the 6-pin connector from the TF 100 unit with the scooter's connector.
3. Gently push the connectors together until they click into place, ensuring a secure connection.



Figure 3: Rear view of the TF 100 unit with the 6-pin connector



Figure 4: Detailed view of the 6-pin connector

3. OPERATING INSTRUCTIONS

Once installed, the TF 100 display provides intuitive control over your electric scooter.



Figure 5: Labeled components of the TF 100 display

3.1 Power On/Off

- To power on the display, press and hold the **ON/OFF** button (red button with power symbol) for a few seconds.
- To power off the display, press and hold the **ON/OFF** button again until the screen turns off.

3.2 Thumb Throttle Control

- The thumb throttle is located on the right side of the unit.
- Gently press the thumb lever forward to accelerate the scooter.
- Release the thumb lever to decelerate.

3.3 Mode Selection

- Press the **MODE** button (gray button) to cycle through different display modes or settings.
- Specific mode functions are detailed in Section 4.

4. DISPLAY FUNCTIONS

The TF 100 LCD display provides real-time information about your electric scooter's status.



Figure 6: Close-up of the LCD display screen

- **Speed Indication:** Displays current riding speed.
- **Gear Position:** Shows the current gear or speed mode selected.
- **Power Level:** Indicates the remaining battery charge.
- **Modes:** Displays the active riding mode (e.g., Eco, Standard, Sport).
- **Indicator Lights:** May include indicators for headlights, turn signals, or other functions depending on scooter integration.

Refer to your scooter's specific manual for detailed information on how these indicators integrate with your scooter's features.

5. CUSTOMIZABLE SETTINGS

The TF 100 display allows for personalization of certain settings to optimize your riding experience.



CUSTOMIZABLE SETTINGS

Supports 3 levels of backlight
Includes settings like timer sleep mode and speed limit

ROBUST CONSTRUCTION

Crafted from quality ABS material
Ensures toughness and water resistant performance
Provides enhanced protection and durability

Figure 7: TF 100 display highlighting customizable features

- **Backlight Brightness:** The display offers 3 levels of backlight brightness. Use the MODE button to navigate to the brightness setting and adjust as needed for optimal visibility in various lighting conditions.
- **Automatic Timer Sleep Mode:** Configure the display to enter sleep mode after a set period of inactivity to conserve battery power.
- **Speed Limit Options:** Adjust the maximum speed limit through the display settings, if supported by your scooter model. Consult your scooter's manual for compatibility.

Specific instructions for accessing and modifying these settings can be found by navigating through the display's menu using the MODE button.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your TF 100 LCD display and thumb throttle.

- **Cleaning:** The unit is constructed from durable ABS material. Clean the display and throttle unit with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the plastic or screen.
- **Water Resistance:** The TF 100 offers water-resistant performance, protecting against splashes. However, it is not designed for submersion. Avoid exposing the unit to heavy rain or direct water jets.
- **Connection Check:** Periodically inspect the 6-pin connector and wiring for any signs of wear, damage,

or loose connections. Ensure all connections are secure.

- **Storage:** When not in use for extended periods, store the scooter and its components in a dry, cool place away from direct sunlight.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your TF 100 display.

- **Display Not Turning On:**
 - Ensure the 6-pin connector is securely attached to the scooter's wiring harness.
 - Verify that the scooter's battery has sufficient charge.
 - Press and hold the ON/OFF button for the required duration.
- **Incorrect Speed/Data Readings:**
 - Check all connections to ensure they are firm.
 - Ensure the wheel size setting (if adjustable) matches your scooter's specifications.
- **Thumb Throttle Not Responding:**
 - Confirm the display is powered on.
 - Check the 6-pin connector for any disconnections or damage.
 - Ensure no physical obstruction is preventing the throttle lever from moving freely.
- **Display Screen is Dim:**
 - Adjust the backlight brightness settings as described in Section 5.

If you experience persistent issues not covered here, please consult a qualified technician or refer to your scooter's manufacturer for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model	TF 100
Voltage	48V
Material	ABS
Product Dimensions	5.91 x 5.51 x 0.79 inches (150mm x 140mm x 20mm)
Item Weight	4.2 ounces (119 grams)
Connector Type	6-Pin
Compatibility	M4 and SEALUP Electric Scooters



Figure 8: Dimensions of the TF 100 unit