

SPEDWHEL TF 100

SPEDWHEL TF-100 Electric Scooter Throttle Control Display (5-pin) User Manual

Model: TF 100 | Brand: SPEDWHEL

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your SPEDWHEL TF-100 Electric Scooter Throttle Control Display. This device is designed to provide throttle control and display essential information for compatible electric scooters, specifically those utilizing a 5-pin connector. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

The TF-100 display unit integrates a throttle lever, a control display, and function buttons into a single handlebar-mounted accessory. It is designed for use with Sealup electric scooters and other compatible models requiring a 5-pin plug connection.

2.1 Components

- **Display Screen:** Shows speed, battery level, and other operational data.
- **Throttle Lever:** Controls the scooter's acceleration.
- **Power Button:** Turns the display unit on/off.
- **Mode Button:** Cycles through display modes or settings.
- **Mounting Clamp:** Secures the unit to the scooter's handlebar.
- **5-pin Connector Cable:** For electrical connection to the scooter's main system.



Figure 1: Front view of the TF-100 display unit, showing the screen, throttle, power, and mode buttons.



Figure 2: Rear view of the TF-100 display unit, illustrating the mounting bracket and cable exit point.



Figure 3: Side view of the TF-100 display unit, highlighting the green 5-pin connector cable.

3. SETUP AND INSTALLATION

Installation of the TF-100 display requires careful attention to electrical connections and mechanical mounting. If you are unsure about any step, it is recommended to seek assistance from a qualified technician.

3.1 Safety Precautions

- Ensure the electric scooter is powered off and the battery is disconnected before beginning installation.
- Wear appropriate safety gear, such as gloves and eye protection.
- Do not force connectors. Ensure proper alignment before pushing them together.
- Verify that all connections are secure and waterproofed if exposed to the elements.

3.2 Installation Steps

1. **Remove Old Unit (if applicable):** Carefully disconnect the existing throttle control display from the handlebar and electrical system. Note the wiring configuration.
2. **Mount the TF-100:** Position the TF-100 unit on the scooter's handlebar in a comfortable and accessible location. Use the provided screws to securely fasten the mounting clamp. Ensure the unit does not interfere with braking or other controls.
3. **Connect Electrical Cable:** Locate the corresponding 5-pin connector on your electric scooter's wiring harness. Align the pins of the TF-100's cable with the scooter's connector and push firmly until it clicks into place. Ensure the connection is snug.
4. **Secure Wiring:** Route the cable neatly along the handlebar and frame, securing it with cable ties to prevent snagging or damage during operation.
5. **Test Functionality:** Reconnect the scooter's battery and power on the scooter. Verify that the display illuminates, the throttle responds correctly, and all buttons function as expected.

4. OPERATING INSTRUCTIONS

Once installed, operating the TF-100 display is straightforward.

4.1 Power On/Off

- **To Power On:** Press and hold the **Power Button** (red button with power symbol) for approximately 3 seconds until the display illuminates.
- **To Power Off:** Press and hold the **Power Button** for approximately 3 seconds until the display turns off.

4.2 Throttle Control

- The throttle lever is located on the right side of the unit. Gently press the lever with your thumb to accelerate the scooter.
- Release the throttle lever to reduce speed or allow the scooter to coast.
- Always ensure you have a clear path and are in a safe environment before engaging the throttle.

4.3 Display Functions and Mode Button

- The display screen typically shows:
 - Current Speed
 - Battery Level Indicator
 - Odometer / Trip Distance
 - Gear/Speed Mode (if applicable)
- Press the **Mode Button** (blue button labeled "MODE") briefly to cycle through different display information, such as Odometer and Trip Distance.
- Long-press the **Mode Button** (duration may vary by scooter model) to access advanced settings or change speed modes, if supported by your scooter's controller. Refer to your scooter's main manual for specific advanced settings.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your TF-100 display unit.

- **Cleaning:** Wipe the display screen and unit housing with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the plastic or screen.
- **Inspection:** Periodically check the mounting screws for tightness and ensure the cable connection remains secure. Inspect the cable for any signs of wear, cuts, or damage.
- **Environmental Protection:** While designed for outdoor use, avoid prolonged exposure to extreme weather conditions (heavy rain, direct sunlight for extended periods, extreme cold) when the scooter is not in use.

6. TROUBLESHOOTING

If you encounter issues with your TF-100 display, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display does not turn on.	No power from scooter; loose cable connection; faulty unit.	Ensure scooter battery is charged and connected. Check the 5-pin cable connection for tightness. If problem persists, consult a technician.
Throttle does not respond.	Loose cable connection; scooter not powered on; faulty throttle sensor.	Verify the scooter is powered on. Check the 5-pin cable connection. If the issue continues, the throttle sensor or scooter controller may require inspection.

Problem	Possible Cause	Solution
Incorrect speed/distance readings.	Incorrect settings in scooter controller; sensor issue.	Refer to your scooter's main manual for instructions on calibrating speed/distance settings. Ensure wheel size settings are correct.

For issues not listed here or if solutions do not resolve the problem, please contact your scooter manufacturer or a qualified service center.

7. SPECIFICATIONS

Feature	Detail
Model Name	TF 100
Brand	SPEDWHEL
Connectivity	5-pin plug cable
Compatibility	Sealup Electric Scooters and compatible models
Manufacturer Part Number	20220421
UPC	787313455931

8. WARRANTY AND SUPPORT

According to the product information, there is no specific warranty description provided for this TF-100 Electric Scooter Throttle Control Display. Please refer to the retailer's return policy or contact the seller directly for information regarding returns or defects. For technical support or further inquiries, please contact the manufacturer, SPEDWHEL, or your product retailer.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question