

Drfeify Drfeifyqonxrm7u261110

Drfeify 3-Wire Plastic Throttle Cable User Manual

Model: Drfeifyqonxrm7u261110

1. PRODUCT OVERVIEW

The Drfeify 3-Wire Plastic Throttle Cable is a replacement component designed to provide stable and sensitive speed control for electric scooters and e-bikes. Its robust construction ensures durability and reliable performance over time. This throttle is compatible with most electric bikes featuring 22.5mm handlebars and can be installed on either the left or right side.



Image 1.1: The Drfeify 3-Wire Plastic Throttle Cable, showing the main unit and the coiled cable.

Key features include:

- **Enhanced Performance:** The sleek design ensures no interference with brake levers or shifters, contributing to overall bike performance.
- **Durable Construction:** Wires and interfaces are built for strength and longevity, minimizing malfunctions

during extended use.

- **Sensitive Speed Control:** Provides consistent and responsive speed adjustment, suitable for installation on either side of the handlebar.
- **Broad Compatibility:** Designed to fit most electric bikes with 22.5mm handlebars.
- **Flexible Installation:** The 1.83-meter cable allows for versatile placement on your electric vehicle.

2. SETUP AND INSTALLATION

Follow these steps to properly install your Drfeify throttle cable:

1. **Prepare the Handlebar:** Ensure the handlebar area where the throttle will be installed is clean and free from obstructions. The throttle is designed for handlebars with an approximate diameter of 22.5 mm (0.88 inches).
2. **Position the Throttle:** Slide the throttle onto the handlebar. It can be installed on either the left or right side, depending on user preference and existing bike configuration.



Scooter Throttle



Image 2.1: The throttle unit mounted on a handlebar, showing its ergonomic placement.

3. **Secure the Throttle:** Tighten any screws or clamps on the throttle unit to secure it firmly in place on the handlebar. Ensure it does not rotate freely but can be comfortably operated.
4. **Connect the Wiring:** The throttle cable has three wires. Connect them to your electric scooter or e-bike

controller according to the following color code:

- **Black Wire:** Ground (GND)
- **Green Wire:** Hall Signal (Signal Input)
- **Red Wire:** +5V Power Supply



Image 2.2: Detailed view of the 3-wire connector, showing the black, green, and red wires.

5. **Route the Cable:** Use the 1.83-meter cable length to route the wiring neatly and securely along the bike frame, avoiding moving parts or pinch points.
6. **Test Functionality:** After installation, perform a functional test to ensure the throttle provides smooth and responsive speed control.

3. OPERATING INSTRUCTIONS

The Drfeify throttle provides intuitive speed control for your electric vehicle.

1. **Power On:** Ensure your electric scooter or e-bike is powered on and ready for operation.
2. **Engage Throttle:** Gently press the thumb lever of the throttle to engage the motor. The further you press the lever, the more power will be delivered to the motor, increasing your speed.



Image 3.1: A close-up view of the throttle's thumb lever, which controls speed.

3. **Control Speed:** Adjust the pressure on the thumb lever to achieve your desired speed. The throttle is designed to provide stable and sensitive control.
4. **Decelerate/Stop:** Release the thumb lever to reduce power and slow down. Use your vehicle's brakes for complete stopping.

Safety Note: Always operate your electric vehicle responsibly and in accordance with local traffic laws. Familiarize yourself with the throttle's response in a safe, open area before riding in traffic.

4. MAINTENANCE

The Drfeify throttle cable is designed for durability and requires minimal maintenance. To ensure long-term performance:

- **Keep Clean:** Periodically wipe down the throttle unit and visible cable with a damp cloth to remove dirt and grime. Avoid using harsh chemicals.
- **Inspect Connections:** Regularly check the wiring connections to ensure they are secure and free from corrosion or damage. Loose connections can lead to intermittent operation.
- **Cable Integrity:** Inspect the cable for any signs of wear, fraying, or damage to the insulation. If damage is observed, replace the throttle cable to prevent electrical issues.

- **Handlebar Fit:** Ensure the throttle remains securely fastened to the handlebar. If it becomes loose, re-tighten the mounting screws.

5. TROUBLESHOOTING

If you encounter issues with your Drfeify throttle cable, consider the following troubleshooting steps:

- **Throttle Not Responding:**
 - Check all wiring connections. Ensure the black, green, and red wires are correctly and securely connected to the controller. A common issue is incorrect or loose wiring.
 - Verify that the electric vehicle's power is on and the battery has sufficient charge.
 - Inspect the cable for any visible damage or breaks.
- **Intermittent Speed Control:**
 - This often indicates a loose or corroded connection. Re-check all wiring points.
 - Ensure the throttle unit is not obstructed and the thumb lever moves freely without sticking.
- **Throttle Sticking or Stiff:**
 - Clean the throttle mechanism to remove any dirt or debris that might be causing friction.
 - Ensure the throttle is not overtightened on the handlebar, which could impede its movement.

If these steps do not resolve the issue, it may indicate a faulty throttle unit or a problem with the electric vehicle's controller. Consult a qualified technician or contact Drfeify customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model Number	Drfeifyqonxrm7u261110
Material	Plastic
Color	Black
Cable Length	Approx. 1.83 meters (71 inches / 6 feet)
Wire Configuration	Black (Ground), Green (Hall Signal), Red (+5V)
Applicable Handlebar Diameter	Approx. 22.5 mm (0.88 inches)
Installation Position	Left or Right Handlebar
Quantity	1 Piece
Weight	Approx. 60 grams

7. WARRANTY AND SUPPORT

Specific warranty information for the Drfeify 3-Wire Plastic Throttle Cable is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging or

contact Drfeify customer service directly through their official website or the retailer where the product was purchased.

When contacting support, please have your product model number (Drfeifyqonxrm7u261110) and purchase details readily available.