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iGPSPORT SPD70

iGPSPORT SPD70 Speed Sensor Instruction Manual

Model: SPD70

1. Introduction

The iGPSPORT SPD70 is a dual-mode speed sensor designed for cyclists. It utilizes ANT+ and Bluetooth connectivity to transmit accurate speed data to compatible cycling computers, GPS watches, and smartphone applications. With a compact design, long battery life, and IPX7 waterproofing, the SPD70 is a reliable companion for tracking your cycling performance.

Please read this manual carefully before using the product to ensure proper installation and operation.

2. Package Contents

Upon unboxing your iGPSPORT SPD70 Speed Sensor, please verify that all the following items are included:

- iGPSPORT SPD70 Speed Sensor Unit
- Silicone Cover/Mount
- CR2032 Battery (pre-installed or included separately)
- Quick Start Manual

Your browser does not support the video tag.

Video: SPD70 Unboxing Video. This video demonstrates the contents of the SPD70 package and initial handling.

3. Setup and Installation

3.1. Battery Installation

The SPD70 sensor uses a CR2032 coin cell battery. If the battery is not pre-installed or needs replacement, follow these steps:

1. Gently push and rotate the battery cover counter-clockwise to open it.
2. Insert the CR2032 battery with the positive (+) side facing upwards.
3. Align the battery cover and rotate it clockwise to securely close it.

3.2. Mode Selection (Speed Mode)

The SPD70 is primarily a speed sensor. Ensure it is set to speed mode. The sensor typically defaults to speed mode when installed on a wheel hub. If it were a dual speed/cadence sensor, you would rotate the battery cover to align the indicator with 'SPEED' for speed mode or 'CADENCE' for cadence mode. For the SPD70, focus on speed mode installation.

3.3. Sensor Installation on Bicycle

To install the SPD70 speed sensor on your bicycle:

1. Place the SPD70 sensor into its silicone cover.
2. Attach the sensor, with its silicone cover, to the front wheel hub of your bicycle. Ensure it is securely fastened and does not interfere with any moving parts.
3. Rotate the wheel a few times to wake up the sensor. A blue LED light will flash to indicate it is in speed mode and active.



Image: The iGPSPORT SPD70 Speed Sensor securely mounted on the front wheel hub of a bicycle using its silicone cover.

Your browser does not support the video tag.

Video: iGPSPORT SPD70 Installation Video. This video demonstrates the battery installation and mounting process for the SPD70 speed sensor on a bicycle hub.

4. Operating Instructions

4.1. Pairing with a Bike Computer

To pair your SPD70 sensor with a compatible bike computer (e.g., iGPSPORT, Garmin, Wahoo):

1. Ensure the SPD70 sensor is awake by rotating the wheel a few times.
2. On your bike computer, navigate to the 'Sensors' or 'Add Sensor' menu.
3. Select 'Speed' or 'Speed/Cadence' (if applicable) and initiate a search for new sensors.
4. Once the SPD70 is detected (it may appear as 'SPD70' or a unique ID), select it to pair.
5. Confirm the connection. Your bike computer should now display speed data from the sensor.

4.2. Pairing with a GPS Watch

To pair your SPD70 sensor with a compatible GPS sports watch:

1. Wake up the SPD70 sensor by rotating the wheel.
2. On your GPS watch, go to the sensor settings and select 'Add New Sensor' or 'Speed/Cadence'.
3. The watch will search for nearby sensors. Select the SPD70 when it appears.
4. Confirm the pairing. You may need to set the wheel size manually on your watch for accurate speed readings.

4.3. Pairing with Cycling Apps (via Bluetooth)

To connect your SPD70 sensor to cycling apps on your smartphone (e.g., Wahoo Fitness, Zwift):

1. Ensure Bluetooth and location services are enabled on your smartphone.
2. Wake up the SPD70 sensor by rotating the wheel.
3. Open your preferred cycling app and navigate to its sensor pairing section.
4. Search for new sensors. The SPD70 should appear as a speed sensor.
5. Select the sensor to connect.**Note: Do not pair the sensor directly through your phone's Bluetooth settings. Always pair within the cycling app itself.**

5. Maintenance

- **Cleaning:** Wipe the sensor clean with a soft, damp cloth after each ride. Avoid using harsh chemicals or abrasive materials.
- **Battery Replacement:** When the sensor's LED light no longer flashes or your device indicates low battery, replace the CR2032 battery as described in Section 3.1.
- **Storage:** Store the sensor in a cool, dry place when not in use. If storing for an extended period, consider removing the battery to prevent leakage.
- **Water Resistance:** The SPD70 is IPX7 waterproof, meaning it can withstand immersion in 1 meter of water for up to 30 minutes. However, it is not designed for prolonged underwater use. Ensure the battery cover is securely closed to maintain water resistance.

6. Troubleshooting

- **Sensor Not Connecting:**

- Ensure the sensor is awake by rotating the wheel.
- Check the battery. Replace if necessary.
- Make sure Bluetooth/ANT+ is enabled on your receiving device.
- Move the sensor closer to the receiving device during pairing.
- Restart both the sensor (by removing and reinserting the battery) and the receiving device.

- **Incorrect Speed Readings:**
  - Verify that the sensor is securely installed on the wheel hub and not moving.
  - Ensure the correct wheel size is set in your bike computer or GPS watch settings.
  - Check for any interference from other electronic devices.
- **LED Light Not Flashing:**
  - Replace the battery.
  - Ensure the battery is inserted correctly.
  - Rotate the wheel to wake the sensor.

7. Specifications

Feature	Specification
Model	SPD70
Connectivity	ANT+, Bluetooth
Battery Life	300 hours
Waterproof Rating	IPX7
Weight	9.6g
Product Dimensions	38 x 36 x 13 mm (with silicone cover)
Material	Plastic

8. Warranty and Support

The iGPSPORT SPD70 Speed Sensor comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official iGPSPORT website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact iGPSPORT customer service through their official website or the contact information provided in the quick start manual.

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