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CooSpo BK467

CooSpo BK467 Cadence and Speed Sensor User Manual

Model: BK467

1. Introduction

Thank you for choosing the CooSpo BK467 Cadence and Speed Sensor. This device is designed to accurately track your cycling cadence or speed, transmitting data wirelessly to compatible cycling computers, smartwatches, and smartphone applications via ANT+ and Bluetooth 4.0. Please read this manual carefully to ensure proper installation, operation, and maintenance of your sensor.

2. Product Features

- **Dual Functionality:** Easily switch between Cadence and Speed modes by reinstalling the battery.
- **Universal Connectivity:** Supports both Bluetooth 4.0 and ANT+ protocols for broad compatibility with various devices and apps.
- **Wide App Compatibility:** Works seamlessly with popular cycling applications such as XOSS, Wahoo, Zwift, Garmin, and Tacx.
- **Compact & Lightweight:** Weighing approximately 18g, its sleek design ensures it does not interfere with your bicycle's aesthetics or performance.
- **Durable & Waterproof:** IP67 waterproof rating ensures reliable performance in all weather conditions, offering up to 320 hours of continuous operation.

3. Package Contents

Please check the package for the following items:

- CooSpo BK467 Sensor Unit
- Rubber Bands (various sizes for mounting)
- Silicone Pads
- User Manual



Image: Contents of the CooSpo BK467 sensor package, including the sensor, rubber bands, silicone pads, and user manual.

4. Safety Information

WARNING: This product contains a built-in battery. To prevent hazards, do not dispose of the sensor in water or fire!

5. Setup

5.1 Battery Installation and Mode Switching

The CooSpo BK467 sensor uses a CR2032 coin cell battery. The sensor's mode (Cadence or Speed) is determined by how the battery is reinstalled after removal.

1. Open the battery cover by twisting it counter-clockwise.
2. Insert or reinsert the CR2032 battery with the positive (+) side facing up.
3. Observe the LED indicator:
    - If the LED flashes **BLUE**, the sensor is in **Cadence Mode**.
    - If the LED flashes **RED**, the sensor is in **Speed Mode**.
4. To switch modes, remove the battery, wait a few seconds, and then reinsert it. The LED will flash to indicate the current mode. Repeat until the desired mode is set.
5. Close the battery cover by twisting it clockwise until secure. Ensure the O-ring seal is properly seated to maintain waterproofing.

5.2 Mounting the Sensor

Mount the sensor according to the selected mode:

- **For Cadence Mode (BLUE LED):** Attach the sensor to the inside of your bicycle's crank arm using the provided rubber bands and silicone pad. Ensure it is securely fastened and does not interfere with pedaling.
- **For Speed Mode (RED LED):** Attach the sensor to the hub of your bicycle's front or rear wheel using the provided rubber bands and silicone pad. Ensure it is securely fastened and does not interfere with wheel rotation.



Image: Illustration of the sensor in Cadence Mode (blue LED, mounted on crank arm) and Speed Mode (red LED, mounted on wheel hub).

5.3 Pairing with Devices

The CooSpo BK467 sensor supports both ANT+ and Bluetooth 4.0 for wireless data transmission.

1. Ensure the sensor is awake by rotating the crank (for cadence) or wheel (for speed) a few times. The LED will flash.
2. On your cycling computer, smartwatch, or smartphone app, go to the sensor pairing or add device menu.
3. Select the CooSpo BK467 sensor from the list of available devices. It may appear as

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