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› COOSPO BK9 Bike Speed and Cadence Sensor Instruction Manual

CooSpo BK9

COOSPO BK9 Bike Speed/Cadence Sensor Instruction Manual

Model: BK9

PRODUCT OVERVIEW

The COOSPO BK9 is a versatile bike speed and cadence sensor designed for both indoor and outdoor cycling. It utilizes Bluetooth 5.0 and ANT+ wireless technology to provide accurate, real-time data to compatible cycling computers and applications. This sensor helps cyclists monitor their performance by tracking speed and pedal revolutions per minute (RPM).

The BK9 sensor is IP67 waterproof, ensuring reliable performance in various weather conditions, and features a long battery life of approximately 300 hours.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- COOSPO BK9C Cadence Sensor
- COOSPO BK9S Speed Sensor (if purchased as a set)
- Silicone mounting rings
- Field buckle mounts
- User Manual

PACKAGING AND ACCESSORIES



Image: Contents of the COOSPO BK9 sensor package, including the sensors, mounting accessories, and user manual.

SETUP AND INSTALLATION

Battery Installation

The COOSPO BK9 sensors feature a tool-free battery replacement design. To install or replace the CR2032 coin cell battery:

1. Locate the battery cover on the back of the sensor.
2. Twist the cover counter-clockwise to open it.
3. Insert the CR2032 battery with the positive (+) side facing up.
4. Align the cover and twist clockwise to secure it.

TOOL-FREE BATTERY REPLACEMENT DESIGN



Image: Illustration of the tool-free battery replacement mechanism for the COOSPO BK9 sensor, showing how to open and close the battery compartment.

Sensor Mounting (No Magnets Required)

The BK9 sensors do not require magnets for operation, simplifying installation.

Cadence Sensor Installation:

- Attach the cadence sensor to the inside of your bike's crank arm using the provided silicone ring or field buckle. Ensure it is securely fastened and does not interfere with pedaling.

Speed Sensor Installation:

- Attach the speed sensor to the hub of either the front or rear wheel using the provided silicone ring or field buckle. Ensure it is firmly attached and does not obstruct wheel rotation.
- **Important Note:** If your bike has a dynamo hub, it is recommended to mount the speed sensor to the spokes near the rim for accurate readings, as dynamo hubs can interfere with hub-mounted sensors.

NO MAGNETS, EASY INSTALLATION

Cadence Sensor



Speed sensor



Image: Visual guide for installing the cadence sensor on the crank arm and the speed sensor on the wheel hub. The image shows the sensor being attached to the crank arm and the wheel hub.

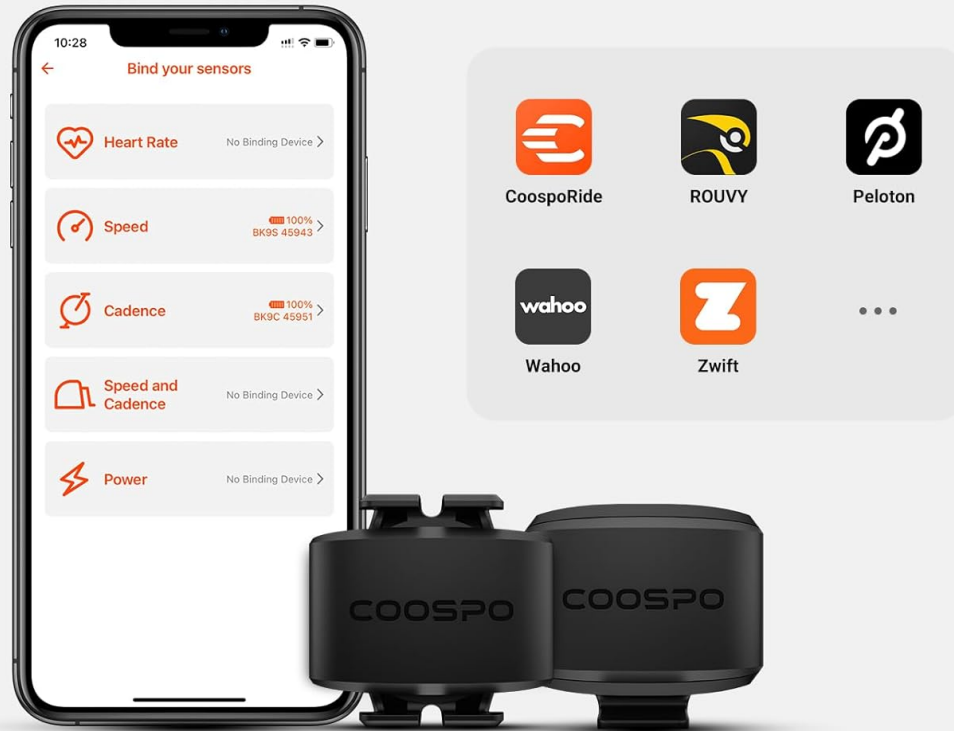
OPERATING INSTRUCTIONS

Connecting to Cycling Computers and Apps

The COOSPO BK9 sensors support both Bluetooth 5.0 and ANT+ connectivity, allowing them to pair with a wide range of devices and applications.

1. **Activate the Sensor:** Gently shake or rotate the sensor to wake it up. A small LED indicator will flash to confirm it is active.
2. **Enable Bluetooth/ANT+:** Ensure Bluetooth is enabled on your smartphone or ANT+ is active on your cycling computer.
3. **Open Application/Device:** Launch your preferred cycling application (e.g., Rouvy, Peloton, Wahoo, CoospoRide) or turn on your GPS bike computer.
4. **Pair Sensor:** Navigate to the sensor pairing or device connection section within your app or cycling computer settings.
5. **Select Sensor:** The sensor should appear in the list of available devices. Select it to pair. For cadence, it might appear as "BK9C" and for speed, "BK9S".
6. **Confirm Connection:** Once paired, the app or device will typically display a "connected" status.

COMPATIBLE WITH FITNESS APPS



Wahoo app NOT allow connects 2 pcs sensor from others brand at the same time.

Image: Display showing the COOSPO BK9 sensors connected to a smartphone app, illustrating compatibility with various fitness applications like CoospoRide, Rouvy, Peloton, Wahoo, and Zwift.

REAL-TIME SPEED & CADENCE MEASUREMENT; IMPROVE YOUR RIDE PERFORMANCE

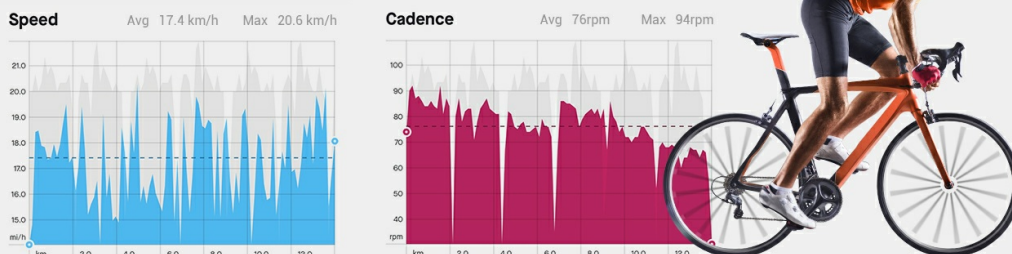


Image: Diagram illustrating the Bluetooth 5.0 and ANT+ technology of the COOSPO BK9 sensors, showing compatibility with fitness apps, GPS bike computers, and smartwatches.

COMPATIBLE WITH GPS BIKE COMPUTERS



Image: The COOSPO BK9 sensors displayed alongside two GPS bike computers, demonstrating their compatibility for displaying speed and cadence data.

Once connected, the sensors will transmit real-time speed and cadence data to your device, allowing you to monitor and analyze your cycling performance.

IP67*
WATERPROOF



*No soaking and high pressure cleaning.

300H*
BATTERY LIFE



*This value is our laboratory test data, the actual battery life is subject to the actual use.

Image: A cyclist on a road bike with a display showing real-time speed and cadence data, highlighting how the COOSPO BK9 sensors improve ride performance tracking.

MAINTENANCE

Cleaning and Care

The COOSPO BK9 sensors are IP67 waterproof, meaning they are protected against dust and can withstand immersion in water up to 1 meter for 30 minutes. However, to ensure longevity:

- Wipe the sensors with a damp cloth after use, especially after riding in wet or dusty conditions.
- Avoid soaking the sensors in water or cleaning them with high-pressure water jets.
- Do not use harsh chemicals or abrasive cleaners.



Image: Two COOSPO BK9 sensors being splashed with water, demonstrating their IP67 waterproof rating. Note: Avoid soaking or high-pressure cleaning.

Battery Life and Replacement

The sensors are designed for a long battery life of approximately 300 hours. When the battery is low, the sensor's performance may become inconsistent or it may fail to connect. Replace the CR2032 battery as described in the "Battery Installation" section.



Image: Two COOSPO BK9 sensors with a graphic indicating a 300-hour battery life. This image highlights the extended operational time of the sensors.

TROUBLESHOOTING

- **Sensor Not Connecting:**

- Ensure the sensor battery is not depleted. Replace if necessary.
- Wake up the sensor by shaking or rotating it.
- Verify Bluetooth (for apps) or ANT+ (for cycling computers) is enabled on your device.
- Ensure the sensor is within range of your receiving device.
- Try restarting your smartphone or cycling computer.
- If using a smartphone app, ensure you are pairing within the app itself, not directly through the phone's Bluetooth settings.

- **Inaccurate Speed Readings:**

- If mounted on a dynamo hub, reposition the speed sensor to the spokes near the rim.
- Ensure the sensor is securely mounted and not shifting during rides.

- **Wahoo App Connectivity:**

- The Wahoo app may not allow pairing of two third-party cycling sensors simultaneously. If you are experiencing issues, try pairing one sensor at a time or use a different compatible application.

- **General Connectivity Issues with Smartphone Apps:**



Image: A visual guide demonstrating the correct and incorrect methods for connecting the COOSPO BK9 sensor to smartphone applications. The correct method involves pairing within the app, while the incorrect method shows attempting to pair directly via phone settings.

Always connect the sensor directly through the cycling application's pairing menu, not through your phone's general Bluetooth settings. Connecting via phone settings can prevent the app from recognizing the sensor.

SPECIFICATIONS

Model	BK9
Brand	CooSpo
Connectivity	Bluetooth 5.0, ANT+
Measurement Accuracy (Speed)	±0.1 km/h
Measurement Accuracy (Cadence)	±1 rpm
Waterproof Rating	IP67
Battery Type	CR2032 Coin Cell
Battery Life	Approx. 300 hours
Item Weight	0.04 Kilograms
Mounting Type	Silicone Ring/Field Buckle

WARRANTY INFORMATION

The COOSPO BK9 Speed/Cadence Sensor comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

For warranty claims or service, please contact CooSpo customer support with your proof of purchase.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your COOSPO BK9 Speed/Cadence Sensor that are not addressed in this manual, please visit the official CooSpo website or contact their customer support team for assistance.

You can find more information and support resources on the CooSpo Brand Store on Amazon.