CooSpo BC200, BK467

COOSPO BC200 GPS Bike Computer & BK467 Cadence Speed Sensor User Manual

Model: BC200, BK467

1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your COOSPO BC200 GPS Bike Computer and BK467 Cadence Speed Sensor bundle. The BC200 is a GPS-enabled bike computer featuring a 2.6-inch LCD display with auto-backlight, designed for clear readability in various light conditions. It offers extensive cycling data tracking and supports dual-band Bluetooth and ANT+ connectivity for pairing with external sensors. The BK467 is a versatile sensor that can function as either a cadence or speed sensor, providing real-time data to your bike computer or compatible training apps.
This bundle is designed to enhance your cycling experience by providing accurate performance metrics and seamless data integration.

2. What's in the Box

Upon unboxing your COOSPO bundle, please verify that all components are present:

- COOSPO BC200 GPS Bike Computer
- COOSPO BK467 Cadence Speed Sensor
- USB Charging Cable (for BC200)
- Bike Computer Mount (Handlebar Mount)
- Sensor Mounting Accessories (rubber bands, pads)
- User Manual (this document)

3. Setup Guide

3.1. COOSPO BC200 Bike Computer Initial Setup

1. **Charging the Device:** Before first use, fully charge the BC200 using the provided USB cable. Connect the cable to the charging port on the device and a standard USB power adapter (not included). The battery indicator will show charging status. A full charge provides approximately 36 hours of operation.
2. **Power On/Off:** Press and hold the power button (usually on the side) to turn the device on or off.

3. **Initial Settings:** Upon first power-on, the device may prompt you to set basic parameters such as language, time zone, units (metric/imperial), and user profile. Navigate using the device buttons.
4. **Mounting the Bike Computer:** Attach the handlebar mount to your bicycle's handlebar or stem using the provided accessories. Secure the BC200 onto the mount by twisting it until it locks into place.



Image: COOSPO BC200 Bike Computer mounted on a bicycle handlebar and BK467 sensor mounted on the crank arm, illustrating typical installation points.

3.2. COOSPO BK467 Cadence Speed Sensor Installation & Mode Switching

The BK467 sensor can operate in two modes: Cadence or Speed. The mode is determined by how the battery is reinstalled.

1. **Battery Installation/Reinstallation:**
    - Open the battery cover on the sensor.
    - Remove the battery (if present).
    - **To switch to Cadence Mode:** Reinstall the battery. The **BLUE** indicator light will flash, confirming Cadence Mode. Mount the sensor on your bicycle's crank arm.
    - **To switch to Speed Mode:** Reinstall the battery. The **RED** indicator light will flash, confirming Speed Mode.

Mount the sensor on your bicycle's wheel hub.



Image: Instructions for switching the BK467 sensor between Cadence and Speed modes by reinstalling the battery and observing the blue (cadence) or red (speed) indicator flashes.

2. **Sensor Mounting:** Use the provided rubber bands and pads to securely attach the BK467 sensor to the chosen location (crank arm for cadence, wheel hub for speed). Ensure it is stable and does not interfere with moving parts.

3.3. Pairing Sensors with BC200 Bike Computer

The BC200 supports both Bluetooth and ANT+ connectivity for pairing with external sensors like the BK467, heart rate monitors, and power meters.

1. **Activate Sensors:** Ensure your BK467 sensor (and any other sensors) are active. For the BK467, a few rotations of the crank or wheel will activate it.
2. **Access Sensor Pairing Menu:** On the BC200, navigate to the "Sensor" or "Pairing" menu (refer to the device's on-screen icons, often represented by a sensor icon).



Image: The main menu screen of the COOSPO BC200, highlighting the 'Sensor' icon for pairing.

3. **Search for Sensors:** Select the option to search for new sensors. The BC200 will scan for available Bluetooth and ANT+ devices.
4. **Select and Connect:** From the list of detected sensors, select your BK467 (it may appear with a unique ID). Confirm the connection. Once paired, the sensor icon on the BC200 display will indicate a successful connection.
5. **Verify Data:** Begin cycling to ensure that cadence or speed data is being transmitted and displayed correctly on the BC200.

4. Operating Instructions

4.1. Display and Data Fields

The BC200 features a 2.6-inch LCD display with an auto-backlight function for optimal visibility. It can display over 70 types of cycling data, which can be customized to your preference.



Image: The COOSPO BC200 display showing a typical arrangement of cycling data fields, including speed, distance, time, heart rate, cadence, power, altitude, temperature, and calories.

Common data fields include:

- Speed (Current, Average, Max)
- Distance (Trip, Total)
- Time (Ride Time, Total Time)
- Cadence (Current, Average, Max)
- Heart Rate (Current, Average, Max - requires HR monitor)
- Power (Current, Average, Max - requires power meter)
- Altitude, Ascent, Descent
- Temperature, Calories Burned
- GPS Signal Strength, Battery Level

Refer to the device's "Dial" or "Setting" menu to customize which data fields are displayed and their layout.

4.2. Starting and Ending a Ride

1. **Start Recording:** Once powered on and sensors are connected, press the designated button (often a play/start

icon) to begin recording your ride data. The GPS signal indicator should be solid before starting for accurate tracking.

2. **Pause/Resume:** During a ride, press the start/stop button to pause recording. Press it again to resume.
3. **End Ride:** To end a ride, press and hold the start/stop button, or navigate to the "End Ride" option in the menu. The ride data will be saved to the device's memory.

4.3. Data Synchronization and Analysis

The BC200 stores multiple ride data files. These can be uploaded to popular cycling platforms for detailed analysis.

1. **Connect to App:** Download the XOSS app (available on App Store and Google Play) on your smartphone.
2. **Pair Device:** Open the XOSS app and follow the instructions to pair your BC200 bike computer via Bluetooth.
3. **Sync Data:** Once paired, navigate to the "Sync" section within the app or on the BC200. Your ride data will be transferred from the computer to the app.
4. **Upload to Platforms:** From the XOSS app, you can then upload your ride data to third-party platforms such as Strava.com and TrainingPeaks.com for further analysis, sharing, and tracking your progress.

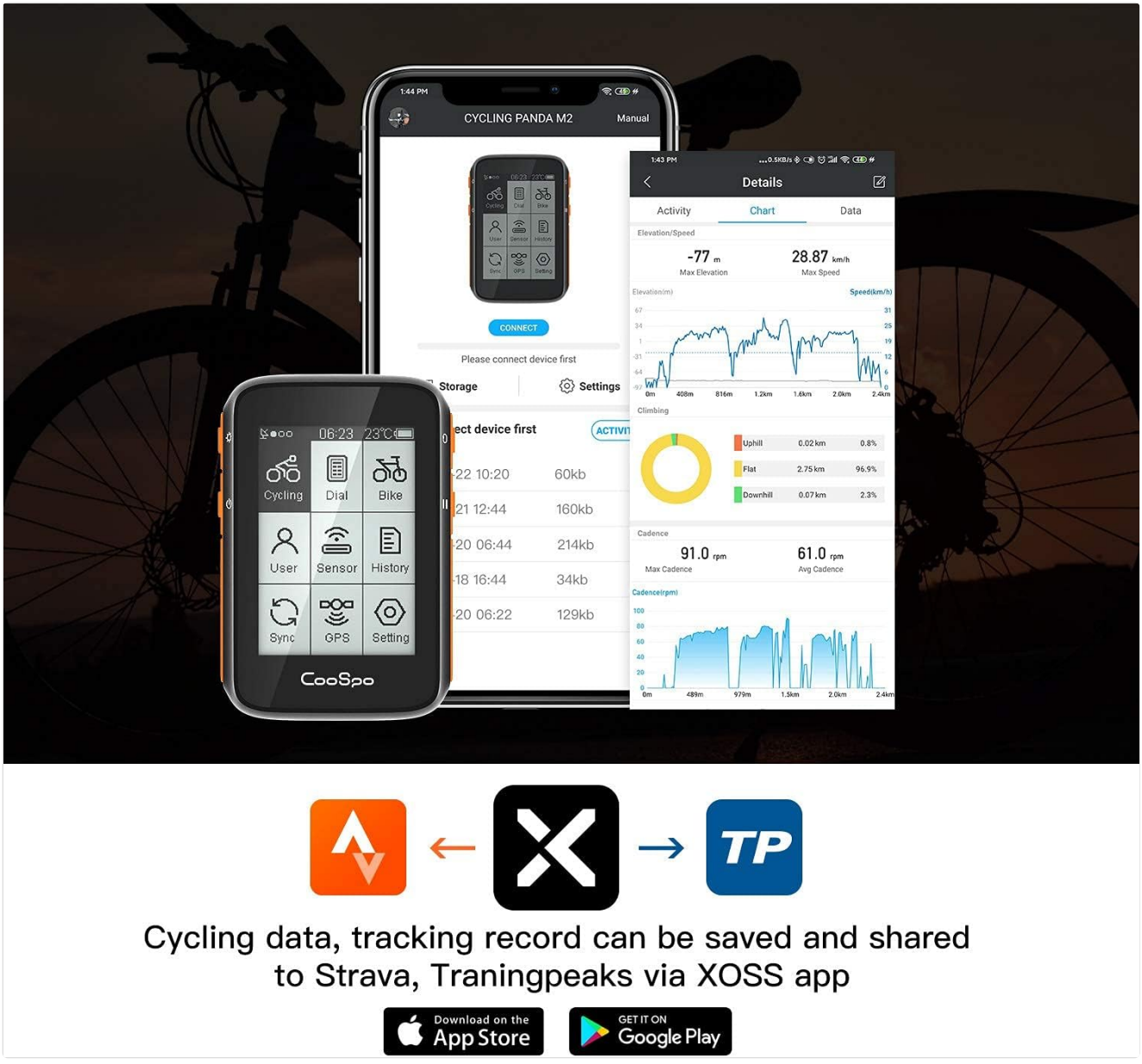


Image: The XOSS app interface demonstrating how cycling data can be synced from the BC200 and subsequently uploaded to platforms like Strava and TrainingPeaks.

5. Maintenance

- **Cleaning:** Wipe the bike computer and sensor with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Water Resistance:** The BC200 bike computer has an IP67 waterproof rating, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. The BK467 sensor has an IP54 rating, protecting it from dust and splashing water. While designed for outdoor use, avoid prolonged submersion or high-pressure water jets.
- **Battery Care (BC200):** Recharge the BC200 regularly, especially if not used for extended periods, to maintain battery health. Store in a cool, dry place.
- **Battery Replacement (BK467):** The BK467 sensor uses a replaceable coin cell battery (CR2032). When the sensor's indicator light no longer flashes or data transmission becomes unreliable, replace the battery following the instructions in Section 3.2.
- **Storage:** When not in use, store the devices in a dry environment away from extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
Device won't power on.	Low battery.	Charge the BC200 for at least 2 hours.
Sensor (BK467) not detected.	Sensor inactive or battery low; incorrect mode; pairing issue.	Ensure sensor is active (rotate crank/wheel). Check/replace sensor battery. Verify sensor is in the correct mode (Cadence/Speed) as per Section 3.2. Re-pair the sensor with the BC200.
GPS signal weak or not acquired.	Obstructed view of sky; initial acquisition time.	Move to an open area with a clear view of the sky. Allow a few minutes for initial GPS lock.
Data not syncing to XOSS app.	Bluetooth disconnected; app issue.	Ensure Bluetooth is enabled on your phone and BC200. Restart both the BC200 and the XOSS app. Try re-pairing the BC200 with the XOSS app.
Inaccurate speed/distance readings.	Incorrect wheel circumference setting; GPS drift; sensor mounting.	Verify wheel circumference setting in BC200 settings. Ensure BK467 sensor is securely mounted and in Speed mode if used for speed.

7. Specifications

COOSPO BC200 GPS Bike Computer

- **Display Size:** 2.6 inches LCD
- **Battery Life:** Up to 36 hours
- **Connectivity:** Bluetooth, ANT+
- **Waterproof Rating:** IP67
- **GPS:** Yes

- **Data Types:** 70+ (Speed, Distance, Time, Cadence, HR, Power, Altitude, etc.)
- **Data Storage:** Multiple ride files
- **Data Sync:** XOSS app, Strava, TrainingPeaks

COOSPO BK467 Cadence Speed Sensor

- **Function:** Cadence Sensor or Speed Sensor (selectable mode)
- **Connectivity:** Bluetooth, ANT+
- **Battery Type:** CR2032 coin cell
- **Waterproof Rating:** IP54

8. Warranty and Support

For warranty information, technical support, or customer service inquiries regarding your COOSPO BC200 GPS Bike Computer and BK467 Cadence Speed Sensor, please refer to the warranty card included with your product or visit the official CooSpo website. You may also contact CooSpo customer support directly through their provided channels for assistance with product operation, troubleshooting, or parts replacement.
Manufacturer: CooSpo

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