Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Cannondale CP1500U10OS

CANNONDALE Wheel Sensor CP1500U10OS Instruction Manual

Model: CP1500U10OS

1. Product Overview

The Cannondale Wheel Sensor, model CP1500U10OS, co-developed with Garmin, is designed to enhance your cycling experience. This advanced sensor automatically records your speed, distance, and time, storing up to 900 hours of ride data. It offers versatile connectivity through both Bluetooth Low Energy (BLE) and ANT+ protocols, ensuring compatibility with a wide range of cycling computers, smartwatches, and smartphone applications, including the dedicated Cannondale app. The sensor is powered by a standard CR2032 button battery, providing approximately one year of continuous use. It comes with a mount adapter designed to fit various hub and spoke patterns, making installation flexible. The sensor is finished in a sleek black color.



Image 1.1: Close-up view of the Cannondale Wheel Sensor. This image highlights the compact design and branding on the sensor unit.

Key Features:

- **Garmin Co-Developed:** Engineered in collaboration with Garmin for reliable performance.
- **Automatic Data Recording:** Automatically tracks speed, distance, and time during your rides.
- **Extensive Data Storage:** Capable of storing up to 900 hours of ride data.
- **Dual Connectivity:** Supports both BLE (Bluetooth Low Energy) and ANT+ for broad compatibility.
- **Long Battery Life:** Powered by a CR2032 button battery, offering approximately one year of use.
- **Versatile Mounting:** Includes an adapter compatible with various hub and spoke patterns.
- **Cannondale App Integration:** Designed to work seamlessly with the new Cannondale app for enhanced ride analysis.

2. Setup and Installation

2.1. Battery Installation

The sensor comes with a pre-installed CR2032 button battery. If you need to replace it:

1. Carefully twist the sensor cover counter-clockwise to open it.
2. Remove the old CR2032 battery.
3. Insert a new CR2032 battery with the positive (+) side facing up.

4. Align the cover and twist clockwise until it clicks securely into place, ensuring a watertight seal.

2.2. Mounting the Sensor

The sensor is designed to be mounted on the wheel hub. Use the included adapter to ensure proper fitment.

1. Identify a suitable location on your wheel hub, typically opposite the valve stem for balance.
2. Select the appropriate adapter for your hub and spoke pattern.
3. Securely attach the sensor to the hub using the adapter. Ensure it is firmly in place and does not interfere with any moving parts of the wheel or fork.
4. The sensor should be positioned so that it can accurately detect wheel rotation.



Image 2.1: The Cannondale Wheel Sensor installed on a bicycle wheel hub, demonstrating its discreet placement.

2.3. Pairing with Devices

The sensor supports both BLE and ANT+ for pairing.

- **For BLE (Bluetooth Low Energy) Devices (e.g., Smartphones, Smartwatches):**
    a. Ensure Bluetooth is enabled on your device.
    b. Open your preferred cycling app (e.g., Cannondale App, Strava, Wahoo Fitness).
    c. Go to the sensor pairing or device connection settings within the app.
    d. Spin your wheel to activate the sensor.

e. Select the "Cannondale Wheel Sensor" from the list of available devices.
f. Follow any on-screen prompts to complete the pairing process.

- **For ANT+ Devices (e.g., Garmin Edge, Wahoo ELEMNT):**

a. Ensure ANT+ is enabled on your cycling computer.
b. Navigate to the sensor settings menu on your device.
c. Select "Add Sensor" or "Search for Sensors" and choose "Speed Sensor" or "Speed/Cadence Sensor" if prompted.
d. Spin your wheel to activate the sensor.
e. Your device should detect the "Cannondale Wheel Sensor". Select it to pair.

Note: The sensor will automatically enter pairing mode when activated. If you experience issues, ensure the sensor is active by spinning the wheel and that it is not already paired with another device.

3. Operating Instructions

Once installed and paired, the Cannondale Wheel Sensor operates automatically.

- **Automatic Activation:** The sensor automatically wakes up and begins transmitting data when it detects wheel movement.
- **Data Transmission:** It transmits real-time speed and distance data to your paired device (cycling computer, smartphone app, etc.).
- **Internal Data Storage:** The sensor can store up to 900 hours of ride data internally. This data can be synced to the Cannondale app or other compatible platforms when the sensor is connected.
- **Cannondale App Integration:** For the most comprehensive experience, connect your sensor to the Cannondale app. The app allows you to view detailed ride metrics, track maintenance intervals, and potentially receive firmware updates for your sensor.

To ensure accurate readings, make sure your wheel size is correctly configured in your paired cycling computer or app settings.

4. Maintenance

4.1. Battery Replacement

The sensor uses a CR2032 button battery, which typically lasts for about one year. Replace the battery when your paired device indicates a low battery warning or if the sensor stops transmitting data. Refer to Section 2.1 for detailed battery replacement steps. Always ensure the cover is securely fastened after replacement to maintain water resistance.

4.2. Cleaning

Clean the sensor periodically with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the sensor's casing or internal components. Ensure the sensor is dry before use.

4.3. Storage

When not in use for extended periods, store the sensor in a cool, dry place. If storing for several months, consider removing the battery to prevent potential leakage and prolong battery life.

5. Troubleshooting

- **Sensor Not Connecting/Pairing:**
  - Ensure the wheel is spinning to activate the sensor.
  - Check the battery level; replace if necessary (see Section 2.1).
  - Make sure Bluetooth/ANT+ is enabled on your receiving device.
  - Move closer to the sensor.
  - Ensure the sensor is not already paired with another device. Try unpairing from other devices or restarting your receiving device.
  - If using a smartphone, try restarting the app or the phone itself.
- **Inaccurate Speed/Distance Readings:**
  - Verify that your wheel circumference setting in your cycling computer or app is correct.
  - Ensure the sensor is securely mounted and not loose.
  - Check for any physical obstructions that might interfere with the sensor's operation.
- **Data Not Syncing to App:**
  - Ensure the sensor is paired and connected to the app via BLE.
  - Check your internet connection for app data synchronization.
  - Ensure the app has the necessary permissions on your smartphone.

If you continue to experience issues, please refer to the official Cannondale support website or contact customer service.

6. Specifications

Feature	Detail
Model Number	CP1500U10OS
Brand	Cannondale
Connectivity	Bluetooth Low Energy (BLE), ANT+
Battery Type	CR2032 Button Cell
Estimated Battery Life	Approximately 1 year
Data Storage Capacity	Up to 900 hours of ride data
Color	Black
Compatibility	Various hub and spoke patterns (with included adapter)
ASIN	B084C1KHVV

7. Warranty and Support

For warranty information, please refer to the documentation included with your product or visit the official Cannondale website.

If you require technical assistance or have questions not covered in this manual, please contact Cannondale customer support through their official website: www.cannondale.com/en/customer-service.

© 2023 Cannondale. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B084C1KHVV

More documents and user manuals: **https://manuals.plus/**