

**Cadence and Speed Sensor
User Manual**

Model: CDN200





Thank you for selecting this Cadence and Speed Sensor! **CDN200** can track and monitor your cadence and speed on **APP**.

Packaging contents



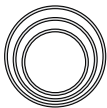
Main Unit x 1



Crank rubber pad x 1



Wheel rubber pad x 1



Fix Ring x 3



Battery CR2032 x 1

Mode select

1. Cadence mode: the **Blue LED** is on to indicate the unit is on cadence mode when power up
2. Speed mode: the **RED LED** is on to indicate the unit is on speed mode when power up

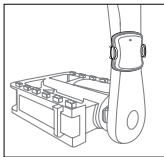
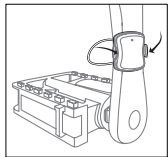


3. To switch cadence and speed mode , just need reinstall the battery .

How to install the cadence and speed sensor on your bike

It's recommended you secure your bike on a stand while installing the sensor.

Installing the cadence sensor

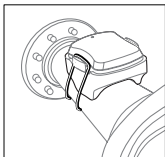
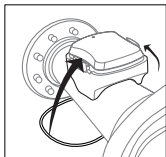


1. Place and hold the crank rubber pad on the inside of the non-drive side crank arm , then place cadence sensor .
2. Tied the cadence sensor and crank arm with the silicone ring



3. Rotate the crank arm to check for clearance. Take a few minute test ride and inspect the sensor to ensure there is no interference.

Installing the speed sensor



1. Place and hold the wheel rubber pad and speed sensor on top of the wheel hub
2. Tied the sensor and hub with the silicone ring
3. Rotate the wheel to check for clearance. The sensor should not contact other parts of your bike

How to track and monitor your data

1. First time you choose you prefer **APP** to install your smartphone such as **Polar beat, Wahoo Fitness, Endomondo Runtastic PRO, Zwift, X-fitness** etc.



Wahoo Fitness



Polar Beat



Zwift



X-Fitness

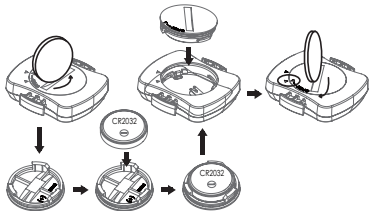
2. Then you connect the sensor to your device using **Bluetooth®** technology, it need pair when you start .



BLUETOOTH

How to replace the battery

The device uses one **CR2032** battery. **APP** will remind that a low battery level and need replacement



1. Twist the cover counter-clockwise until the cover is loose enough to remove.
2. Remove the cover and the battery .
3. Insert the new battery into the cover, observing polarity.

Caution
"Do not ingest battery, Chemical Burn Hazard"



NOTE: Do not damage or lose the O-ring gasket.

4. Twist the cover clockwise so that the marker on the cover aligns with the marker on the case.
5. **NOTE:** The **LED** flashes **Blue** to indicate that is cadence mode, **RED** is for Speed mode.

Specification

Dimensions	38.5x38.0x12.0mm	connectivity	BLE
Weight	10.5g	Transmission range	20m
Battery	CR2032	Data format	Ble bicycle speed/cadence profile



Battery life	6 months at 2 hours per day	Responsible time	2 s
Water proof	IP67	Detected range	300 RPM

Troubleshooting

If your device will not connect to the speed and cadence sensors, you can try to Rotate the crank arm or wheel two revolutions to wake up the sensor. Or check battery level via **APP** and replacement

- need reinstall battery if no **LED** flash when replace battery.

EU-DECLARATION OF CONFORMITY

Hereby, declares that **Cadence and Speed Sensor** (model: **CDN200**) is in compliance with the essential requirements and other relevant provisions of



Directive RED 2014/53/EU. A copy of the signed and dated Declaration of Conformity is available

FCC STATEMENT

This device complies with Part 15 of the **FCC** Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:



- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

