Model No.: ZA5D

Brand Name: CARDIOSPORT

Product Name: Solo Speed/Cadence Sensor

User's manual

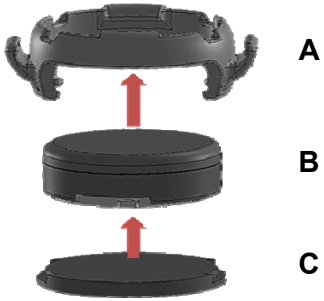
SOLO
SPEED & CADENCE SENSOR INSTRUCTIONS

Installing your Speed Sensor

Please remove the battery isolator before installing the speed sensor on your bike by opening the battery door and peeling off the sticker on the battery

Cardiosport Top Tip: To make installing the speed or cadence sensor easier, secure your bike on a stand or upside down for better access to the wheel hub.

1. Push the speed sensor pod **<A>** into the accompanying pod mount **<B>**. Use the arrows on the bottom of the sensor pod to align with the mount and secure a tight fit.
2. Place the mount **<B>** with speed sensor pod **<A>** on top of the rubber base **<C>**
3. Fit the elastic band **<D>** in the vertical hook on the pod mount **<B>** and place the speed sensor onto the wheel hub and pull the elastic band around the wheel hub and attach into the opposite vertical hook.
4. Ensure that the speed sensor is fitted securely and push the sensor to the centre of the wheel hub.



Note: The Blue LEDs will flash when the sensor is awake and in advertising mode.

Installing your Cadence Sensor

Pease remove the battery isolator before installing the cadence sensor on your bike

1. Push the speed sensor pod **<A>** into the accompanying pod mount **<B>**. Use the arrows on the bottom of the sensor pod to align with the mount and secure a tight fit.
2. Select the elastic loop **<D>** length that best fits your crank arm. Then place the sensor pod **<A>** inside the mount **<B>** on top of the rubber base **<C>**.
3. On the non-drive/outside left crank arm, place the cadence sensor in the centre of the inside of the crank arm.
4. Attach the elastic loop **<D>** to the vertical hook on the pod mount and pull the loop around the crank arm and attach into the opposite vertical hook.
5. Rotate the crank arm a number of times to check for clearance between the bike frame and the sensor is securely mounted.

For crank arms with a deep recess that cannot support the cadence sensor. Use the cadence sensor pod **<A> without** the pod mount **<B>** and securely attach to the outside left crank arm using strong 3M doubled sided sticky tape.

Pairing the Speed and Cadence Sensors with your device

Pairing is the process of connecting the sensors to either a Bluetooth or ANT+ device. Please check your device uses either Bluetooth Low Energy or ANT+ wireless technology to be compatible with the sensors.

Please note: The pairing procedure can differ between each compatible Bluetooth or ANT+ device, we recommend referring to your user manual for your device(s).

Bluetooth pairing

1. Move the Bluetooth compatible device within 3m of the speed and cadence sensors
2. Activate Bluetooth on your device
3. Follow the pairing instructions for Bluetooth compatible accessories on your device
4. Blue LED lights will flash on the speed and cadence sensors to indicate that they are awake are ready to pair. If the sensors do not appear straight away, try shaking them to wake them up or select refresh or search again on your Bluetooth device.
5. Once the sensors have been paired, some devices may ask you to save the sensors so that it will automatically recognize them each time they are active and there is no need to repair them.

ANT+ pairing

1. Move the ANT+ compatible device within 2m of the sensors
2. Follow the pairing instructions for your ANT+ device for speed and cadence sensors
3. Once the sensors have been paired, your ANT+ compatible device will automatically recognize the sensors each time they are active and there is no need to repair them
4. Blue LED lights will flash on the speed and cadence sensors to indicate that they are awake and ready to pair. If the sensors do not appear straight away, try shaking them to wake them up or select refresh or search again on your ANT+ device.

Battery Replacement Guide

1. Find the battery door located on the underside of the sensor pod **<A>**.
2. Rotate the battery door cover counter-clockwise until the door lifts up and is loose enough to remove.
3. Remove the cover and carefully pull the battery out.

Cardiosport Top Tip: Batteries can be removed using a magnet or piece of sticky tape.

4. Wait for around 20-30 seconds
5. Insert a new battery into the battery slot with the flat side of the battery facing down.
6. Once the new battery is in place, reattach the battery door by placing the door over the markers and rotate clockwise until the battery door fits flush with the sensor pod under-side.

The LED lights will flash Blue when the new battery is installed and the sensor becomes awake again.

WARNING

- **Do not use a sharp object to remove the battery**
- **Please keep batteries out of reach of children**
- **Do no put batteries in your mouth. If swallowed contact your physician or local poison control centre immediately.**
- **Replaceable coin cell batteries may contain perchlorate material and special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate**

Contact your local waste disposal department for recycling coin cell batteries.

CAUTION

Limited Warranty

The Cardiosport Speed and Cadence sensors are covered by the standard Cardiosport limited warranty. For more details please visit:
www.cardiosport/cardiosportwarranty.com

SOLO Speed and Cadence Sensor Specifications

Operating range	2-60 MPH 18-220 RPM
Battery type	User replaceable CR2032 3 volts
Battery life	Approximately 12 months at (1 hour everyday use)
Radio frequency protocol	Bluetooth Low Energy 2.4GHz and ANT+ Wireless communications protocol
Water rating	IPX7 Water Resistant
Operating temperature range	From 0 ˚C to 60 ˚C
Weight	8 grams (each)
Size	28mm Diameter
Maximum output power	BLE: 0.89 dBm ANT+: 0.12 dBm
Peak active current	Typical 12mA
Stand-by-current	Less than 1.5uA
LED output current	Typical 2mA

Compatible apps

Strava
Zwift
Endomondo
Wahoo Fitness
Map My Ride
Ride with GPS
Cyclemeter
Map My Fitness

Important Product Information Certification Sheet

Contact:
Healthcare Technology Ltd
Dragoon House
Hussar Court
Waterlooville
Hampshire
PO7 7SF
United Kingdom

Caution:
The manufacture is not responsible for any radio or TV interference caused by any unauthorized modifications made to this product. Such modifications could void the users authority to use the product.

CE Statement:
Hereby, [Zentan Technology Co., Ltd.] declares that the radio equipment type [Solo Speed/Cadence Sensor Model no.: ZA5D] is in compliance with Directive 2014/53/EU. Regulatory authorities in the EU may obtain compliance information by writing to us at:
Healthcare Technology Ltd
Dragoon House
Hussar Court
Waterlooville
Hampshire
PO7 7SF
United Kingdom

California Proposition 65:
The enclosed product (hardware) and its packaging contain chemicals the state of California has found to cause cancer, birth defects or reproductive harm.

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

This Important Product Information Guide contains safety and handling, regulatory and warranty information.

Battery Safety: Most Cardiosport products contain coin cell batteries. Keep batteries away from Children. Never put batteries in mouth. Swallowing can lead to chemical burns, perforation of the soft tissue, and death. Severe burns can occur within 2 hours of ingestion.
Only replace batteries with correct replacement batteries. Using other batteries poses a risk for fire and explosion. Do no use sharp tools to remove user-replaceable cell. Do not remove or attempt to remove non-user replaceable batteries.

If you use this product with navigation software, always be aware of your surroundings. This product contains no user serviceable parts and repairs, any modifications should only be made by a Cardiosport technician. Any unauthorized modifications or repairs will void your warranty. Do not leave product exposed to excessive heat or cold.

FCC Compliance Statement:
This equipment has been tested and found to comply with 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 residential installations. 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 interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try 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.

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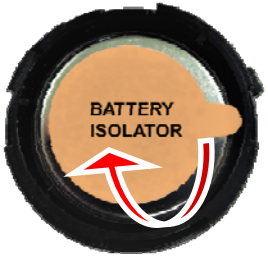
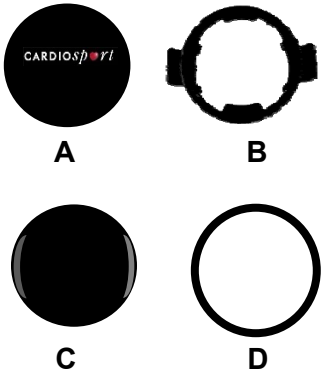
SPEED & CADENCE SENSOR INSTRUCTIONS

PLEASE REMOVE BATTERY ISOLATOR BEFORE USE



INSIDE THE BOX



Zentan Technology Co., Ltd.
NO.92, Hsing-Sheng Road, Chia-Li District, Tainan City,
72254 Taiwan

EU Declaration of Conformity (DoC)

Hereby we,

Name of manufacturer:	Zentan Technology Co., Ltd.
Address:	NO.92, Hsing-Sheng Road, Chia-Li District,
Zip code & City:	Tainan City, 72254
Country:	Taiwan
Telephone number:	886-6-7232226

declare that this DoC is issued under our sole responsibility and that this product:

Product description:	Solo Speed/Cadence Sensor
Type designation(s):	ZA5D
Trademark:	CARDIOSPORT
Batch / Serial number:	1729s

Object of the declaration (further identification of the radio equipment allowing traceability; it may include a color image for the identification of the radio equipment):

Brand name: **CARDIOSPORT** Model no.:**ZA5D(Cadence Sensor)**

Brand name: **CARDIOSPORT** Model no.: **ZA5D(Solo Speed)**

is in conformity with the relevant Union harmonization legislation:
Radio Equipment directive: **2014 / 53 / EU**
and other Union harmonization legislation where applicable:

Waste Electrical and Electronic Equipment (WEEE): EU DIRECTIVE 2012/19/EC

with reference to the following standards applied:

Zentan Technology Co., Ltd.
NO.92, Hsing-Sheng Road, Chia-Li District, Tainan City,
72254 Taiwan

EMC: Draft EN 301 489-1 V2.2.0 (2017-03)

EMC: Draft EN 301 489-17 V3.2.0 (2017-03)

Radio Spectrum: EN 300 328 V2.1.1 (2016-11)

Safety: EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Health: EN 62479 (2010)

The Notified Body Telefication B.V., with Notified Body number 0560 performed: [*Module B*]

Where applicable:
The issued the EU-type examination certificate: [*note certificate number]*

Description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the DoC:
……

Signed for and on behalf of:

July 14, 2017
Place and date of issue

Hunter Hsieh / R&D Manager
Name, Function, signature

Model Number: ZA5D
Manufacturer:Zentan Technology Co., Ltd.
Manufacturer Address:NO.92, Hsing-Sheng Road, Chia-Li District, Tainan City, 72254 Taiwan

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