



SPEED & CADENCE SENSOR



PRODUCED IN CHINA FOR:
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AFTER SALES SUPPORT

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MODEL: AE8-SPCD-2 09/2018



Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly.

In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

Dok./Rev.-Nr. AE8-SPCD-2_BA_V5

GENERAL INFORMATION

Reading and storing the user manual



This user manual accompanies this speed & cadence sensor. It contains important information on setup and use.

Before using the speed & cadence sensor, read the user manual carefully. This particularly applies to the safety instructions. Failure to follow this user manual may result in severe injury or damage to the speed & cadence sensor. The user manual is based on the standards and rules in force in the European Union. When abroad, you must also observe country-specific guidelines and laws. Store the user manual for future use. Make sure to include this user manual when passing the speed & cadence sensor on to third parties.

Explanation of symbols

The following symbols and signal words are used in this user manual, on the speed & cadence sensor or on the packaging.



This signal symbol/word designates a hazard with moderate degree of risk which may lead to death or severe injury if not avoided.

NOTICE

This signal word warns against potential damages to property.



This symbol provides you with useful supplementary information on assembly or operation.



Declaration of conformity (see chapter "Declaration of conformity"): Products marked with this symbol meet all applicable EU Directives for the European Economic Area.

IPX7

The speed & cadence sensor is protected against immersion, up to 1 m depth for up to 30 minutes.

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SAFETY

Proper use

The speed & cadence sensor is exclusively designed for measuring your speed and cadence and for exchanging data with smartphones and tablets. It is designed for collecting data for analysis with the Crane Connect app. You can use this data to help you reach your goals in terms of fitness.

The speed & cadence sensor is only intended for private use and is not suitable for commercial applications. It is not a children's toy. Only use the speed & cadence sensor as described in this user manual. Any other use is deemed improper and may result in damage to property or even personal injury. The manufacturer or vendor accepts no liability for damage caused by improper or incorrect use.

Safety instructions



Danger of suffocation!

The speed & cadence sensor contains a battery and small parts. While playing, children could swallow batteries, small parts, or package wrappings and choke.

- Keep the batteries, small parts, and package wrappings away from children.
- If a battery or small parts are swallowed, seek immediate medical attention.
- Keep the speed & cadence sensor out of the reach of children.



Danger for children and persons with impaired physical, sensory or mental capacities (e.g. partially disabled persons, older persons with reduced physical and mental capacities) or lack of experience and knowledge (e.g. older children).

This speed & cadence sensor is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the speed & cadence sensor by a person responsible for their safety. Children must not play with the speed & cadence sensor. Cleaning and user maintenance may not be performed by children unless they are under supervision.

- Keep children away from the speed & cadence sensor.
- Do not let children play with the packaging wrapper. They could swallow it and suffocate.

Further information and this user manual can be found at www.krippel-watches.com (under "Customer Service").

NOTICE

Risk of damage!

Improper handling of the speed & cadence sensor may result in damage to the speed & cadence sensor. You can use the speed & cadence sensor at ambient temperatures between 0 °C and +50 °C. Do not expose the speed & cadence sensor to permanent moisture. Avoid dust, heat and continuous exposure to direct sunlight. Never try to repair the speed & cadence sensor yourself. For technical problems, contact the service address indicated on the warranty card.



Avoid strong magnetic fields (e.g. transformers). Otherwise, this may cause fluctuations in the transmission of the data measured.



Risk of explosion and chemical burns!

Improper handling of batteries poses the risk of explosions or chemical burns caused by leaking battery acid.

- Never expose the batteries to excessive heat, such as sunlight, fire or similar – increased risk of leakage!
- Do not charge or reactivate the batteries, do not disassemble them, do not dispose of them in fire and do not short circuit them.
- Batteries may pose a risk to health if ingested. You should therefore store the batteries so that they are not accessible to children. If you suspect that a battery has been swallowed or otherwise incorporated, seek immediate medical attention.
- If batteries leak, use gloves to remove them. Afterwards, clean the battery compartment with a cloth without water or any

cleaners.

- Only have the battery replaced with the same battery type.
- Do not allow battery acid to come into contact with skin, eyes or mucus membranes. In the event of contact with battery acid, immediately flush the applicable areas with plenty of clean water and consult a doctor if necessary.
- Dispose of batteries at your collection point.
- Keep the user manual for battery information.
- Further notes and information on changing the battery can be found in the chapter "Changing the battery".

CHECKING THE SPEED & CADENCE SENSOR AND PACKAGE CONTENTS

NOTICE

Risk of damage!

If you are not cautious when opening the packaging with a sharp knife or other pointed objects, you may damage the speed & cadence sensor.

- Be careful when opening the package.

1. Remove the speed & cadence sensor 1 from the packaging. Remove the packaging material and protective labels from the speed & cadence sensor. Keep the packaging materials away from children and dispose of the materials in an environmentally friendly manner.
2. Check whether the product contents are complete and if the speed & cadence sensor is damaged or not (see fig. A).
3. If the delivery is incomplete and/or if parts are damaged, do not use the speed & cadence sensor. Contact the manufacturer via the service address indicated on the warranty card.

FUNCTIONS

You can use the speed & cadence sensor to measure/record your speed and cadence during a workout.

This data is transmitted to a device, e.g. your smartphone. The free Crane Connect app allows you to analyse this data in depth. Once installed, the Crane Connect app will provide you with the following information regarding your workout:

- Duration of workout
- Distance covered
- Cadence measurement
- Speed measurement
- Lap times
- Calorie consumption
- Route map

COMPATIBLE BLUETOOTH® DEVICES

The following devices with Bluetooth® 4.0 or higher are compatible with the speed & cadence sensor 1 and the Crane Connect app:

- Apple® iPhone® 4s and more recent versions
- Apple® iPad® 3rd generation and more recent versions
- Apple® iPad mini™
- Apple® iPad Air™ and more recent versions
- Smartphones and tablets with Android™ 4.3 and more recent versions



You can find a complete list of supported devices online at www.cranesportsconnect.com/compatibility.

CRANE CONNECT APP

Downloading and installing the Crane Connect app

For using the speed & cadence sensor 1 you must download the Crane Connect app and install it on your compatible Bluetooth® device.

- Download the free Crane Connect app from the App Store, from the Google Play Store, at www.cranesportsconnect.com under the "Download" tab or via the following QR codes.

QR code for Android



QR code for iOS



To avoid long download times and the associated costs, it is recommended that you use a Wi-Fi connection for downloads.

- Install the Crane Connect app on your compatible Bluetooth® device. Follow the step-by-step instructions for this.

Creating a user account

To create a user account with the Crane Connect app, proceed as follows:

1. Start the Crane Connect app.
2. Follow the registration instructions step by step.
3. To perform user and product-specific settings, select the icon "All Settings".



You can also create new users on the website www.cranesportsconnect.com.

Connecting the speed & cadence sensor with the Crane Connect app



Make sure that the Bluetooth® function on your smartphone has been activated.

1. Once the user settings are complete, return to the "All Settings" menu.
2. Select the icon "Speed & Cadence Sensor". You can change the settings for optimal use of your speed & cadence sensor.
3. To connect the speed & cadence sensor 1 with your smartphone, select "Connect" in the "Pairing" field. A notification window will appear.
4. In this window, press "Pair now". The speed & cadence sensor will connect automatically to the app.



We would recommend to take either the speed magnet 5 or the cadence magnet 4 and move it across the corresponding arrow mark 10 on the speed & cadence sensor 1, with a maximum distance of approx. 2 mm between speed & cadence sensor and magnet during the connection process.

5. From there, you can start the measurements and access the analyses of your measured data via the "Speed & Cadence Sensor" icon. As soon as you have connected the speed & cadence sensor with the Crane Connect app, all measured data will be transferred to it.

PACKAGE CONTENTS/DEVICE PARTS

- 1 Speed & cadence sensor (see fig. A, fig. B, fig. C, fig. D)
- 2 Sensor cover (see fig. A, fig. B)
- 3 Cable ties, 6x (see fig. A, fig. B)
- 4 Cadence magnet (see fig. A, fig. B)
- 5 Speed magnet (see fig. A, fig. B, fig. C)
- 6 Holder for speed magnet (see fig. A, fig. B)
- 7 Battery CR2032 (already inserted) (see fig. A, fig. D)
- 8 Cover for battery compartment (see fig. A, fig. D)
- 9 Opening (for cable ties) of the speed & cadence sensor (see fig. A, fig. B)
- 10 Arrow marks (see fig. A, fig. B)
- 11 Opening (for cable ties) of the cadence magnet (see fig. A, fig. B)



If the internet connection on your smartphone or tablet is active, the Crane Connect app will automatically upload all data measured to the website www.cranesportsconnect.com for permanent storage.

ASSEMBLY

Assembling the speed & cadence sensor

1. Attach the speed & cadence sensor **1** and the sensor cover **2** in the middle of the chainstay with 4 cable ties **3** (2 cable ties for each sensor part) (see **fig. A + fig. B**).
2. Guide the cable ties through the openings **9** in the speed & cadence sensor. Close the cable ties, but do not tighten them firmly yet.

Assembling the speed magnet and cadence magnet



Please note that the white adhesive label on the cadence magnet serves as a protective foil and therefore should not be removed.

3. Position the speed magnet **5** on one of the spokes so that the speed magnet is level with the speed & cadence sensor **1**. Attach the magnet holder **6** to one of the back wheel spokes (see **fig. A + fig. B**).
4. Fix the speed magnet to the magnet holder.
5. Position the cadence magnet **4** on the pedal arm so that the cadence magnet is level with the speed & cadence sensor.
6. Guide the cable tie **3** through the opening **11** in the cadence magnet. Close the cable tie, but do not tighten it firmly yet.



Adjust the position of the speed and cadence magnets so that the magnets pass the speed & cadence sensor at a distance of approx. 2 mm from the corresponding arrow mark **10** on the speed & cadence sensor.

7. Firmly tighten the cable ties of the speed & cadence sensor and the cadence magnet.

CARE AND MAINTENANCE

Cleaning the speed & cadence sensor

NOTICE

Risk of damage!

Improper cleaning may damage the speed & cadence sensor.

- Do not immerse the speed & cadence sensor **1** in water or other liquids.
- Do not use any aggressive cleaners, sharp or metallic cleaning utensils such as knives, hard scrapers or similar items. They could damage the surfaces.
- Clean the speed & cadence sensor with a soft, damp, lint-free cloth or a soft brush.

Storing the speed & cadence sensor

NOTICE

Risk of damage!

Improper handling of the speed & cadence sensor may result in damage.

- Store the speed & cadence sensor in a suitable location between -10 °C and +60 °C and in a clean dry area.
- Keep the speed & cadence sensor away from direct sunlight.

TECHNICAL DATA

| | |
|----------------------|---|
| Model no.: | AE8-SPCD-2 |
| Article no.: | 96044 |
| Storage temperature: | -10 °C to +60 °C |
| Ambient temperature: | 0 °C to +50 °C |
| IP-Code: | IPX7 |
| Power supply: | 3V lithium cell battery Type CR2032 (1 x 3 V DC CR2032) |

CHANGING THE BATTERY



When activating the speed & cadence sensor **1** after 5 minutes every second a green light or a red light will flash.

- Green light: The voltage is equal or higher than 2.82 V
- Red light: The voltage is below 2.82 V => Battery has to be changed

1. Open the battery compartment **8** of the speed and cadence sensor **1** by turning the battery compartment cover anti-clockwise with a coin.
2. Remove the empty battery **7** using a pined object.
3. Insert a new battery so that the positive pole (+) is facing upward (see **fig. D**).
4. Replace the battery compartment cover.
5. Close the battery compartment by turning the battery cover clockwise with a coin.

DISPOSAL

Disposing of the packaging



Dispose of the packaging separated into single type materials. Dispose of paperboard and cardboard with waste paper and films with recyclable waste.

Disposing of the speed & cadence sensor

(Applicable in the European Union and other European countries with established systems for separated collection of recyclables.)

Waste equipment must not be disposed of together with domestic waste!



This symbol indicates that disposing of this product together with domestic waste is prohibited under the directive on waste electrical and electronic equipment (2012/19/EU) and national laws. This product must be left with a collection point specifically designated for this purpose. This can be carried out by returning the product on purchasing a similar product or leaving the product with an authorised collection point for recycling of waste electrical and electronic equipment. Due to potentially hazardous materials which are often contained in waste electrical and electronic equipment, incorrect handling of waste equipment may have adverse effects on the environment and human health. By disposing of this product correctly you also contribute to an effective usage of natural resources. Information on waste equipment collection points can be obtained at your local authorities, public bodies responsible for waste management, an authorised body responsible for the disposal of waste electrical and electronic equipment or your waste collection service.

Batteries must not be disposed of together with domestic waste!



As a consumer you are required by law to leave any batteries, regardless of whether they contain hazardous material* or not, with a collection point in your community / your borough or return them to your retailer to be disposed of in an environmentally friendly manner.

*marked with: Cd = Cadmium, Hg = Mercury, Pb = Lead

DECLARATION OF CONFORMITY

RoHS-Directive 2011/65/EU, RED Directive 2014/53/EU



Krippel-Watches hereby declares that the speed & cadence sensor is in compliance with the essential requirements and other relevant provisions of the directives 2011/65/EU and 2014/53/EU.

You can access the full declaration of conformity on our website: www.krippel-watches.com (under "Customer Service")

CUSTOMER SERVICE

CUSTOMER Service

We request all customers contact us via the **internet, e-mail** or **phone** before returning any products to us.

Please have the **model no.** ready, which can be found either **on the back or on the bottom** of the product.

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