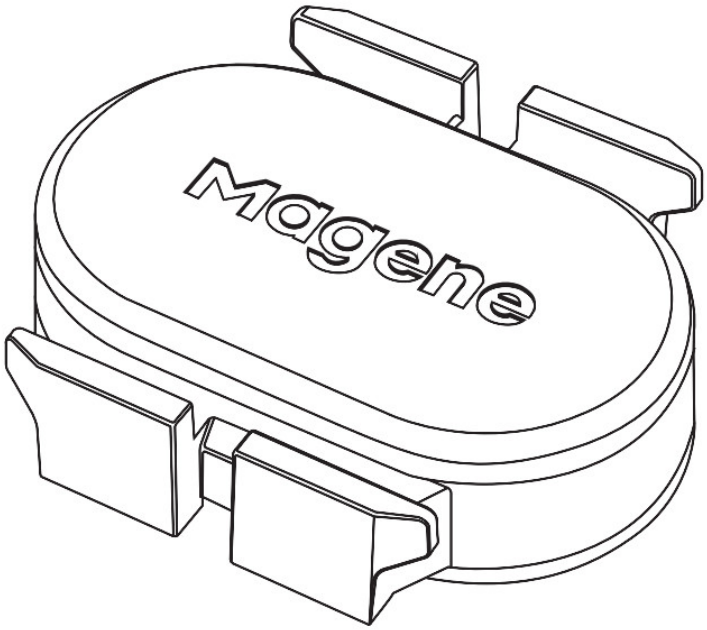
Magene S314 Speed/Cadence Dual Mode Sensor Instruction Manual

S314 Speed/Cadence Dual-Mode Sensor
Instruction Manual



Model: S314

Contents

Safety Warnings and Product Information

Warnings
Failure to notice the potential dangers listed below may lead to severe harm or even fatal accidents.

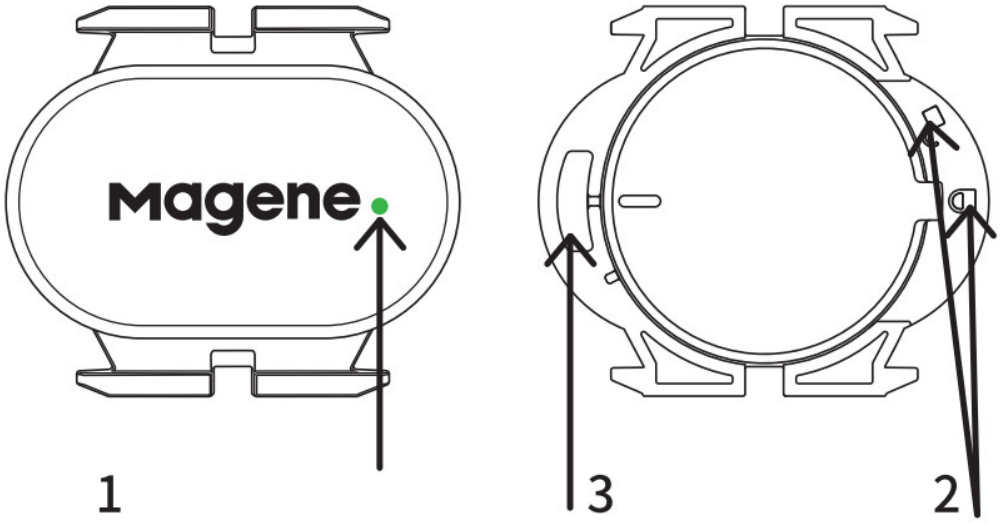
Battery-related warnings
The product uses a CR2032 button cell.
Failure to follow the instructions listed below may shorten the battery's shelf life, damage the device, or cause fire, chemical burns, battery leakage, or the risk of injury.

- Do not disassemble, modify, puncture, or damage the device or the battery.
- Do not expose the device or the battery to fire, explosion, or other hazards.
- Do not place or store the device near a dryer, in a car under direct sunlight, or in another high-temperature environment.
- Do not immerse the battery in water or other liquids.
- Do not use any sharp object when removing the button cell.
- Keep the battery out of reach of children. Swallowing the battery may cause chemical burns, soft tissue perforation, or even death. Seek immediate medical help if the battery is swallowed.

Product introduction

S314 supports standard Bluetooth and ANT+ protocols.
When installed properly on the crank or hub, it accurately measures your cadence or speed. S314 allows you to do scientific and pleasant training when installed on a device supporting standard Bluetooth and ANT+ protocols, such as bike computers, sports watches, and cycling apps.
With the battery installed, the sensor is in speed mode if the green indicator blinks and in cadence mode if the red indicator blinks.

1. LED indicators (only visible when the battery is being installed and when the sensor is switching between modes)
2. Rotation position for the battery holder
3. Installation position of the silicone pad



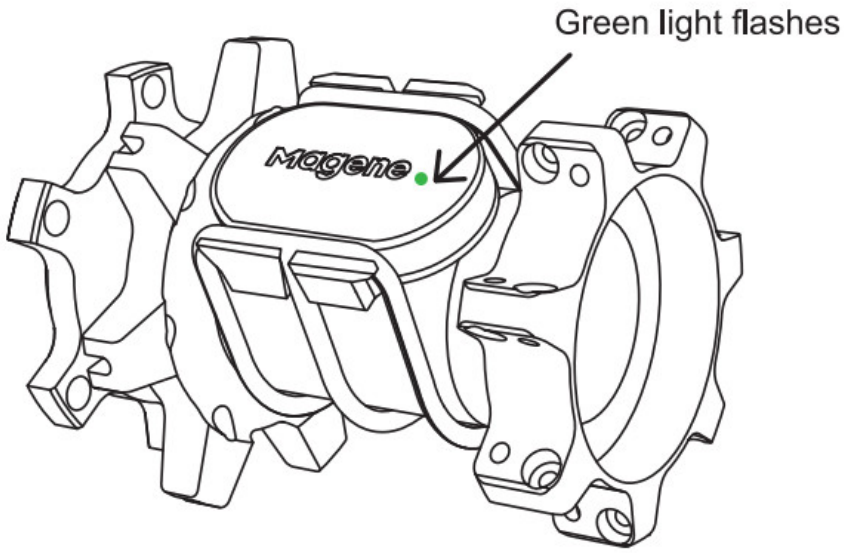
Sensor Installation

Notes:

1. The sensor can be switched between speed and cadence modes by reinstalling the battery or using the Magene Utility app. The sensor can be in only one mode.
2. Use the silicone pad or silicone ring as required by actual conditions.
3. To prevent the sensor from being damaged or being lost after falling off, after installing the sensor, ensure that the sensor and the silicone ring do not have friction against your shoes and bike.

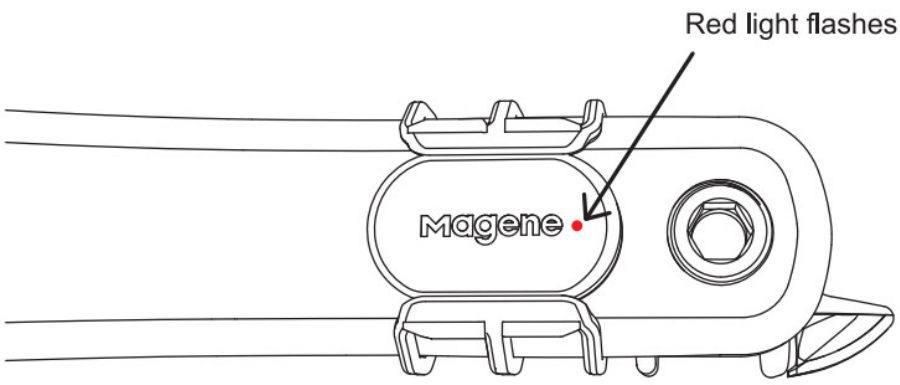
Speed Mode

1. With the battery installed, the sensor is in speed mode if the green indicator blinks and in cadence mode if the red indicator blinks.
2. Install the silicone pad at the bottom of the sensor and use the silicone ring to install the sensor on the front hub.
3. Rotate the wheels and search the sensor using a device supporting the Bluetooth or ANT+ protocol.



Cadence Mode

1. Reinstall the battery. The red indicator blinking indicates that the sensor is in cadence mode.
2. Install the silicone pad at the bottom of the sensor and use the silicone ring to install the sensor on the internal side of the left crank.
3. Rotate the crank and search the sensor using a device supporting the Bluetooth or ANT+ protocol.

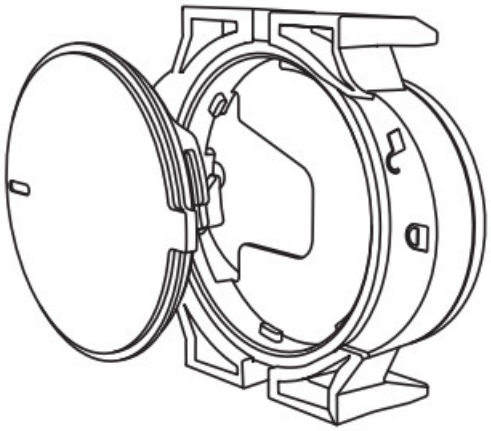


Pairing and Settings

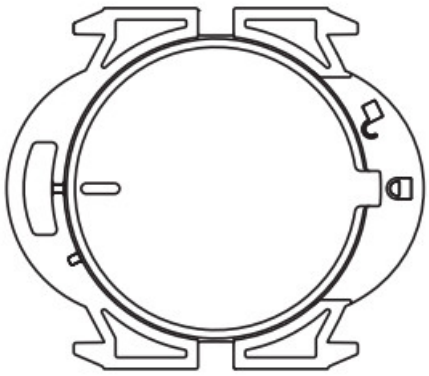
Indicator	Device Status
Green indicator blinks	Speed Mode
Red indicator blinks	Cadence Mode
Red and green indicators blink alternately	Low battery

1. The sensor only broadcasts via Bluetooth or ANT+ when properly installed and being used. At this time, you can search and connect to the sensor using the corresponding device or app.
2. If using the Bluetooth protocol, the sensor can only be connected to a single device or app. To use another device or app, disconnect the sensor first.
3. To connect the sensor to an app, search and connect the sensor using the app. This cannot be done via the system Bluetooth of the phone.
4. If using the ANT+ protocol, the sensor can be connected to multiple devices simultaneously.
5. To reduce power consumption, the sensor will automatically enter sleep mode after 60 seconds of inactivity.

Battery Replacement



1. Rotate the position mark on the battery cover anticlockwise from the locking position to the opening position. Then open the battery holder.



2. Place a new battery into the battery holder. Align the position mark to the opening position and press down the battery cover. After pressing the whole cover into the battery holder, rotate the position mark clockwise to the locking position.

FAQs

1. **Why cannot I search and find my new sensor?**
   Answer: Check whether a battery has been installed on the device.
   Check whether the app used is compatible.
   Reinstall the battery to see if the indicators blink..
   If these steps do not work, contact our after-sales technical support.
2. **Why cannot I search and find the sensor after having used it for a time?**
   Answer: To reduce power consumption and extend its service time, the sensor enters sleep mode after not detecting any cadence or speed data for 60 seconds. It will be automatically woken up and transmit data when you start cycling again.
3. **Why does the indicator not go on after I reinstall the battery?**
   Answer: This is because of the energy storage effect of the capacitor. Reinstall the battery 10 seconds later.
   The electrode clip in the battery holder is pressed down when the battery is being installed. The electrode clip does not spring back, resulting in poor contact. Address the issue simply by lifting the electrode clip.
   The battery is dead. Replace it with a new battery (model: CR2032-3V).
   If these steps do not work, contact our after-sales technical support.
4. **Does the sensor have the data calculation latency issue?**
   Answer: The sensor measures data with a geomagnetic sensor, instead of the traditional solution combining a reed switch and a magnet. This simplifies sensor installation but causes a certain degree of latency in data calculation.
5. Why does the sensor run out of battery in a short time?
   Answer: The sensor can normally operate for 500 hours.
   (Depending on the temperature and environment of use, the actual operating hours may vary.) Do not install the sensor if it is not in use. Otherwise, the sensor will be woken up frequently, which will accelerate power consumption.
   If these steps do not work, contact our after-sales technical support.

Specifications

Items included: sensor, silicone pad, silicone ring, nd CR2032 button cell	
Battery Type	CR2032,3V
Battery Life	500 hours
Weight	7.7g
Dimensions	35.7430.808.20 mm
Waterproof Rating	IP66
Operating Temperature	-10C-50€
Wireless Transmission Protocol	Bluetooth & ANT+

The actual battery life depends on the environment of use.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

Magee Speed/Cadence Sensor	
Model	5314
	Nominal Voltage:3V (CR2032)
	Nominal Capacity:240mAh (CR2032)
	Ref.Weight:3.0g (CR2032)
Manufacturer	Qingdao Magene Intelligence CO.,Ltd.
Address	No.2AWS, Road, Licang District,
EC REP	Qingdao Shandong China
CE	WSJ Product LTD(for authorities only)
	Eschborner LandstraBe 42-50
	60489 Frankfurt am Main,Hessen, Germany

For more information, contact us:
Qingdao Magene Intelligence Technology Co., Ltd.
Website: www.magenefitness.com
After-sales support: support@magenefitness.com

Documents / Resources

	**Magene S314 Speed/Cadence Dual Mode Sensor** [pdf] Instruction Manual S314, Speed Dual Mode Sensor, Cadence Dual Mode Sensor