Speed sensor

SPD-30

1. Before use: Battery replacement

2. Pairing

3. How to install the unit on your bicycle

Handling and Support

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1. Before use: Battery replacement

Warning!!!

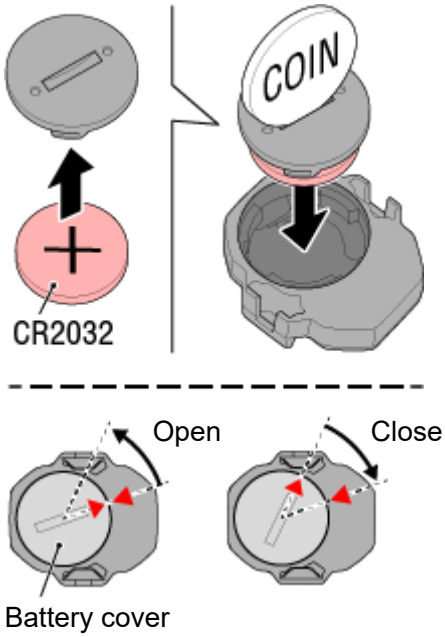
- Do not ingest the battery, Chemical Burn Hazard.
  This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Caution!

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery cannot be subjected to high or low extreme temperatures, low air pressure at high altitude during use, storage or transportation.
- Replacement of a battery with an incorrect type that can result in an explosion or the leakage of flammable liquid or gas.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Before use

Insert the included lithium battery (CR2032) so that the (+) side is visible, and then close the battery cover securely.



Battery replacement

Important
When using this sensor with a CATEYE computer, the speed display will flash when it is time to replace the battery.

Change the sensor’s battery if the computer’s current speed display starts flashing.

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SPD-30

1. Before use: Battery replacement

2. Pairing

Important

This section explains how to pair the smart computer and the sensor using the “Cateye Cycling™” smartphone app.
To pair the sensor directly to the computer without a smartphone, refer to your computer’s online manual or instruction manual.

The Cateye Cycling™ smartphone app (free) must be installed on the smartphone to be used in advance.

If using an iPhone

Download on the App Store

If using an Android smartphone

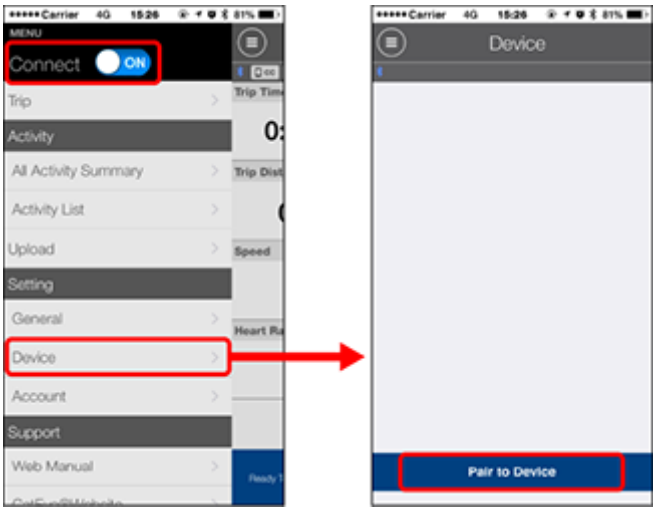
GET IT ON Google Play

* For the latest information on the smartphones that are compatible with Cateye Cycling™ operations, see “Cateye Cycling™ Recommended Devices”.

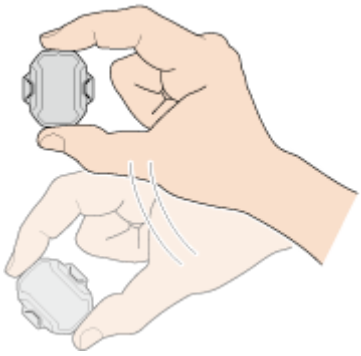
Pairing via Bluetooth

Smartphone

1. Verify that [Connect] is set to ON in the (MENU), and then tap [Device].



2. Shake the sensor, or rotate the tire where it is mounted to transmit the signal.



When Cateye Cycling™ detects the sensor signal, a message will be displayed on the smartphone.

Tap [Pair to Device]. The verified sensor (CATEYE SPD-30) is displayed under [Device] and pairing is completed.

* When pairing a sensor with the Cateye Cycling™ app an "**A**" is displayed after the sensor name (SPD).

3. Set the tire circumference to the sensor.

Tap [Device], and then tap the newly paired [SPD-A#] > [Tire Circumference] (the length of the outer circumference of the tire) > number field, and change the tire circumference. Select the tire circumference according to the tire size written on the side of the tire.

Detail on how to determine the tire circumference

* Default value: 2096 mm (700x23c)

* Requires to set tire circumference for each sensor.

Sensor pairing is now complete.

* If you want to pair another sensor, repeat the same procedure again.

* You can also change sensor names and cancel pairing from this screen.

Important
When using the smart computer in Sensor Direct Mode: Connect the smart computer to Cateye Cycling™, and then transmit the paired sensor information. STRADA SMART/PADRONE SMART: Connecting smart computer and smartphone PADRONE SMART+: Connecting smart computer and smartphone

When using ANT+ to perform pairing or pairing with a commercial computer

Refer to the instruction manual for your computer.

SPD-30

1. Before use: Battery replacement

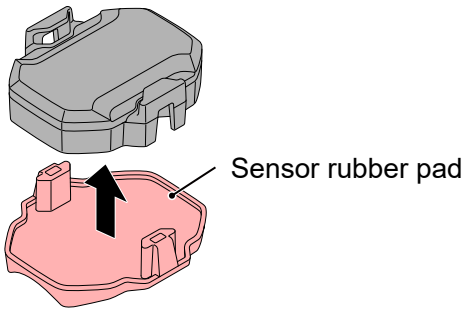
2. Pairing

3. How to install the unit on your bicycle

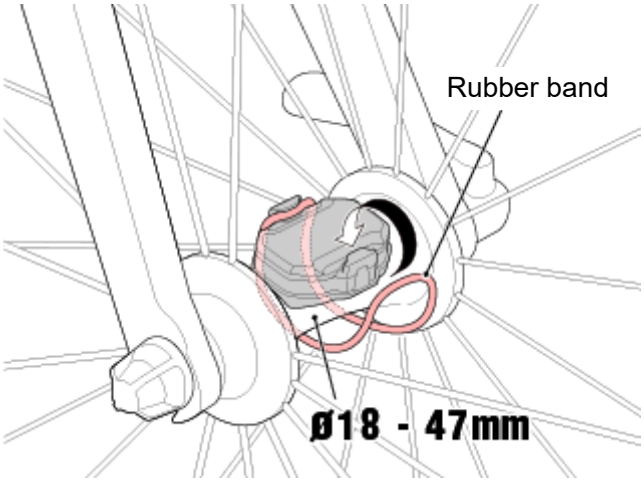
This sensor can measure speed just by installing the sensor to the hub spindle of the bicycle.
The sensor can be installed to either the front or rear wheel.

---

1. Attach the rubber pad to the sensor.



2. Install the sensor to the hub spindle of the wheel.



Warning!!!
Check periodically to ensure that the unit is attached securely. Do not use a damaged rubber band.

* The nylon ties can be used for holding in place more securely.

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Speed sensor

SPD-30

Warning!!! / Caution!

⚠ Warning!!!

- If a battery is swallowed accidentally, consult a doctor immediately.
- Check periodically to ensure that the unit is attached securely.
  Do not use a damaged rubber band.

Specifications

Batteries used	Lithium battery (CR2032) x1
Battery life	Approx. 10 months (If used for 1 hour a day.) * As the included battery is for monitor use, battery life may be shorter than that indicated above. * Battery life may be shortened depending on the usage conditions.
Transmission/reception	Bluetooth 4.1 / ANT+
Signal range	Approx. 30 m (The range will vary depending on weather and surroundings.)
Sensor	Acceleration sensor
Temperature range	32°F – 104°F (0°C – 40°C)
Waterproof	IPX7 * This device is rated IPX7 based on JIS C0920.
Dimensions/weight	1-23/64" x 1-1/2" x 7/16" (34.4 x 38 x 11.3 mm) / 0.36 oz (10.3 g) (Unit only)

* Specifications and design are subject to be changed without notice.

Maintenance

If sensor unit or accessories become dirty, clean with a soft cloth moistened with mild detergent, and then wipe with a dry cloth.
Never apply paint thinner, benzine or alcohol; damage will result.

Product warranty

2-year guarantee

Sensor unit (Accessories and battery consumption excluded)

CatEye cycle computers are warranted to be free of defects from materials and workmanship for a period of two years from original purchase. If the product fails to work due to normal use, CatEye will repair or replace the defect at no charge. Service must be performed by CatEye or an authorized retailer. To return the product, pack it carefully and enclose the warranty certificate (proof of purchase) with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to CatEye shall be borne by person desiring service. For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

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E-mail: service@cateye.com

Detail on how to determine the tire circumference

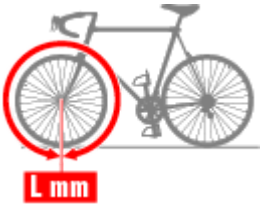
To determine tire circumference (L) with more accuracy, measure the tire using the method below.

* When using “Cateye Cycling™” smartphone app, you can simply select the size indicated on the tire.

Measure actual tire circumference (L)

With tire air pressure adjusted appropriately, apply a load to the bicycle.
Using the valve, etc., as a marker, rotate the tire once and measure the distance traveled along the ground.

When using front wheel for speed measurement



When using rear wheel for speed measurement

Cadence sensor

CDC-30

1. Before use: Battery replacement

2. Pairing

3. How to install the unit on your bicycle

Handling and Support

Copyright© 2020 CATEYE Co,.Ltd.

1. Before use: Battery replacement

Warning!!!

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Before use

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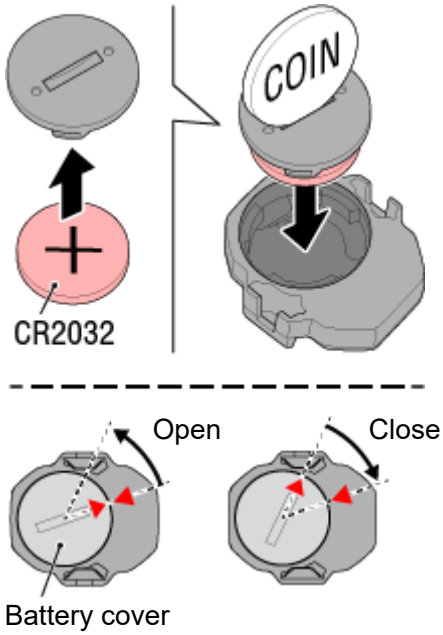

Battery replacement

Important
When using this sensor with a CATEYE computer, the cadence display will flash when it is time to replace the battery.

Change the sensor’s battery if the computer’s cadence display starts flashing.

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2. Pairing

Important

This section explains how to pair the smart computer and the sensor using the “Cateye Cycling™” smartphone app.
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Pairing via Bluetooth

Smartphone

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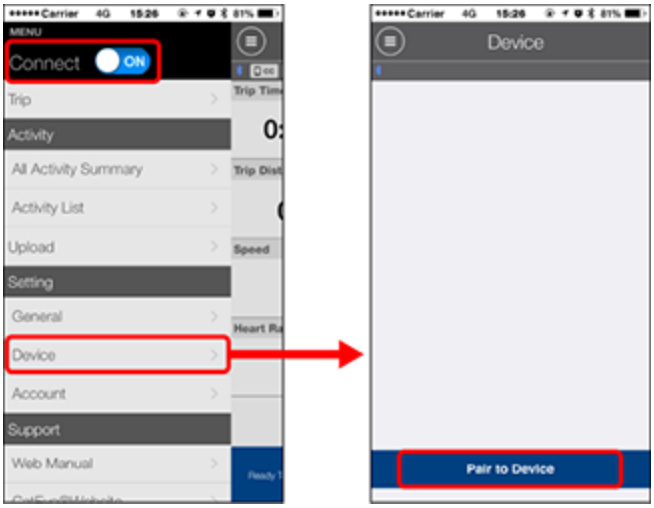
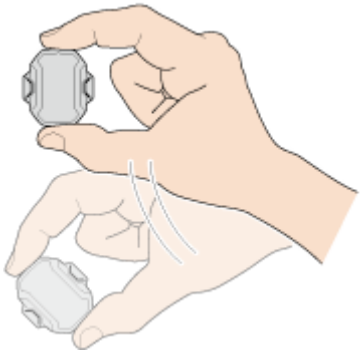


Tap [Pair to Device] to start pairing.

2. Shake the sensor, or rotate the crank where it is mounted to transmit the signal.



When Cateye Cycling™ detects the sensor signal, a message will be displayed on the smartphone.
Tap [Pair to Device]. The verified sensor (CATEYE CDC-30) is displayed under [Device] and pairing is completed.

* When pairing a sensor with the Cateye Cycling™ app an "**A**" is displayed after the sensor name (CDC).

Important

- **When using the smart computer in Sensor Direct Mode:**
  Connect the smart computer to Cateye Cycling™, and then transmit the paired sensor information.
  STRADA SMART/PADRONE SMART: Connecting smart computer and smartphone
  PADRONE SMART+: Connecting smart computer and smartphone

- **When using AVVENTURA/PADRONE SMART+:**
  Cadence will not be displayed on the measurement screen in default configuration.
  Customize the measurement screen to display cadence measurements.
  AVVEBTURA: Changing the measurement screen
  PADRONE SMART+: Changing the measurement screen

When using ANT+ to perform pairing or pairing with a commercial computer

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CDC-30

1. Before use: Battery replacement

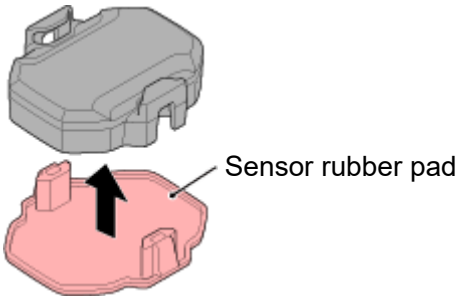
2. Pairing

3. How to install the unit on your bicycle

This sensor can measure cadence just by installing the sensor to the crank of the bicycle.

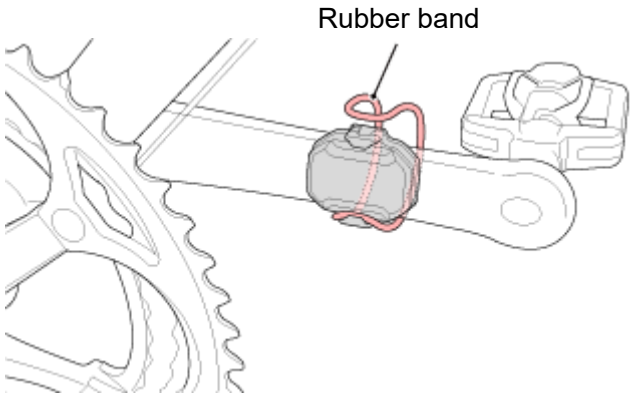
---

1. Attach the rubber pad to the sensor.



2. Install the sensor to the crank.

When the sensor is installed on the left crank (inside)



* In order to protect the rubber band from being damaged by the rider's shoes, the sensor should be installed as close as possible to the crank shaft.

Warning!!!
Check periodically to ensure that the unit is attached securely. Do not use a damaged rubber band.

* The nylon ties can be used for holding in place more securely.

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Cadence sensor

CDC-30

Warning!!! / Caution!

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Specifications

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Temperature range	32°F – 104°F (0°C – 40°C)
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Product warranty

2-year guarantee

Sensor unit (Accessories and battery consumption excluded)

CatEye cycle computers are warranted to be free of defects from materials and workmanship for a period of two years from original purchase. If the product fails to work due to normal use, CatEye will repair or replace the defect at no charge. Service must be performed by CatEye or an authorized retailer. To return the product, pack it carefully and enclose the warranty certificate (proof of purchase) with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to CatEye shall be borne by person desiring service. For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

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E-mail: service@cateye.com

Federal Communication Commission Interference Statement

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 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard.
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment.

Cet équipement est conforme aux CNR-102 d'Industrie Canada.