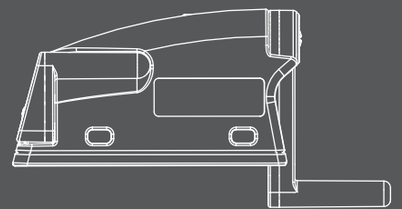
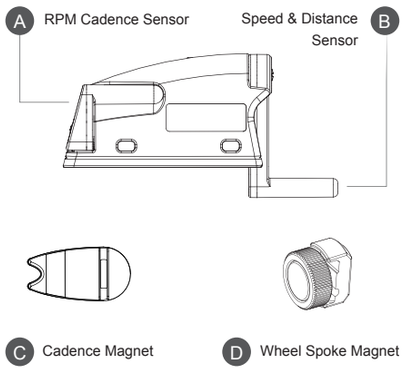
CYCLING SPEED AND CADENCE SENSOR

USER MANUAL



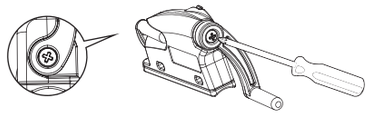
SDM3102

SDM3102 is a speed and cadence sensor intended for use with your smart device. It uses Bluetooth 4.0 and ANT+ technology to track your ride data including cadence, speed and distance.



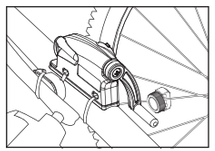
1 HOW TO INSTALL THE CYCLING SPEED AND CADENCE SENSOR

Before adjusting the position of the sensor, slightly unscrew the screw with a screwdriver.



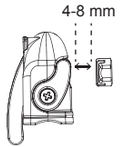
1. Place the device on the rear chain stay of your bike (the side without the chain), near the pedal. Use zip ties to secure the device in place.

   Do not completely tighten yet, as the magnets still need to be aligned before completely securing the device in place.



   The RPM Cadence Sensor (A) should be close to the crank and the Speed & Distance Sensor (B) should be near the back wheel.

2. Install the Cadence Magnet (C) onto the crank with zip ties, facing in towards the RPM Cadence Sensor (A).



   Align so that the magnet will pass by the sensor.

   Rotate the crank arm. Meanwhile, adjust the position of the Cadence Magnet (C) and/ or the RPM Cadence Sensor (A). We recommend 4-8 mm distance between the Cadence Magnet (C) and the RPM Cadence Sensor (A).

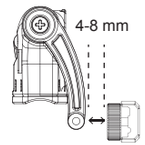
3. Always keep the device stay upright.

   In the process of adjusting the position of the sensor and/ or magnet, if it is always out of range of effective distance, slightly unscrew the screw of the RPM Cadence Sensor (A) and rotate its arm outwards until the distance is within range of the effective distance.Finally, tighten the screw.

   If it still does not work, you will need to place a rubber pad at the bottom of the Cadence Magnet (C).

4. Unscrew the Wheel Spoke Magnet (D). Screw it onto any spoke on the your back wheel, facing in towards the Speed & Distance Sensor (B).

   Align so that the magnet will pass by the sensor. Before tightening the magnet, rotate the back wheel to adjust the position of the Wheel Spoke Magnet (D) and/ or the Speed & Distance Sensor (B). 4-8 mm distance is required.



   In the process of adjusting the position of the sensor and magnet, if it is always out of range of effective distance, slightly unscrew the screw of the Speed & Distance Sensor (B) and rotate its arm outwards until the distance is within range of the effective distance.

   Finally, tighten the screw of the sensor and tighten the magnet in place on the spoke.

5. When all the parts are secured in place, tighten and snip the ends of the zip ties. Do not make a sharp edge which may wound the rider. Installation finished.

2 WORKS WITH APPS

At the same time, this product can send the signal via Bluetooth and ANT+ technology (using the international general protocol).

Smartphones, iPads or other receivers supporting the following apps can receive the signal sent from the cycling speed and cadence sensor.

The most common use apps include Wahoo Fitness, Strava, MayMyRide and so on. All brand names and trademarks are properties of their respective owners.

3 HOW TO CONNECT YOUR CYCLING SPEED AND CADENCE SENSOR TO THE APP

Download the app from App Store or Google Play.

Open the app. Make sure you have Bluetooth and/ or ANT+ turned on.

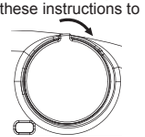
When the app is searching for the device, wake the device up by rotating your crank arm or rear wheel so the Cadence Magnet (C) will pass by the RPM Cadence Sensor (A) or the Wheel Spoke Magnet (D) will pass by the Speed & Distance Sensor (B).

When the bike's wheels and cranks stop spinning, the cycling speed and cadence sensor will enter sleep mode after 1 minute. This is for saving energy. The device will be activated as soon as the magnet passes by the sensor.

4 HOW TO REPLACE THE BATTERY

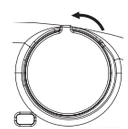
2pcs CR2032 3V batteries are installed. One is used as a power supply for the device, the other is a spare battery. If the battery has run out, please follow these instructions to replace it:

1. Rotate clockwise to open the battery cover (see the image).



2. Remove the battery and replace it with the spare battery stored in the battery cover.

3. Place the used battery in the battery cover. Close the cover. Turn it anticlockwise. Make sure the battery cover is snapped back into place.



Note: The used battery cannot be reused. If the battery has run out, please replace it with a new battery.

4. Do not discard the used battery. Take it to the separate waste collection and disposal center. Battery must be disposed separately from household waste.

5. Keep the battery out of the reach of children. Once they ingest a battery, immediately go to the hospital.

6. The provided battery is not rechargeable. Recharging, short circuit, disassembling or throwing it into fire may result in an explosion.

5 TROUBLESHOOTING

Cycling speed and cadence sensor cannot connect to the app.

1. Make sure the app can receive the signal from the cycling speed and cadence sensor.

2. Make sure the receiving device supports Bluetooth (ANT+) and you have turned it on.

3. When the app is searching for the cycling speed and cadence sensor, rotate your bike's crank arm or rear wheel to wake the device up.

4. Examine the battery. Please replace the used battery if it has run out.

5. Wireless signal strength is up to 2 m.

6. Ensure the sensing distance between the magnet and sensor is within range of the effective distance (4-8 mm).

FCC 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 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.

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.

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