POLAR Speed Sensor Bluetooth Smart and Cadence Sensor Bluetooth Smart Set User Manual

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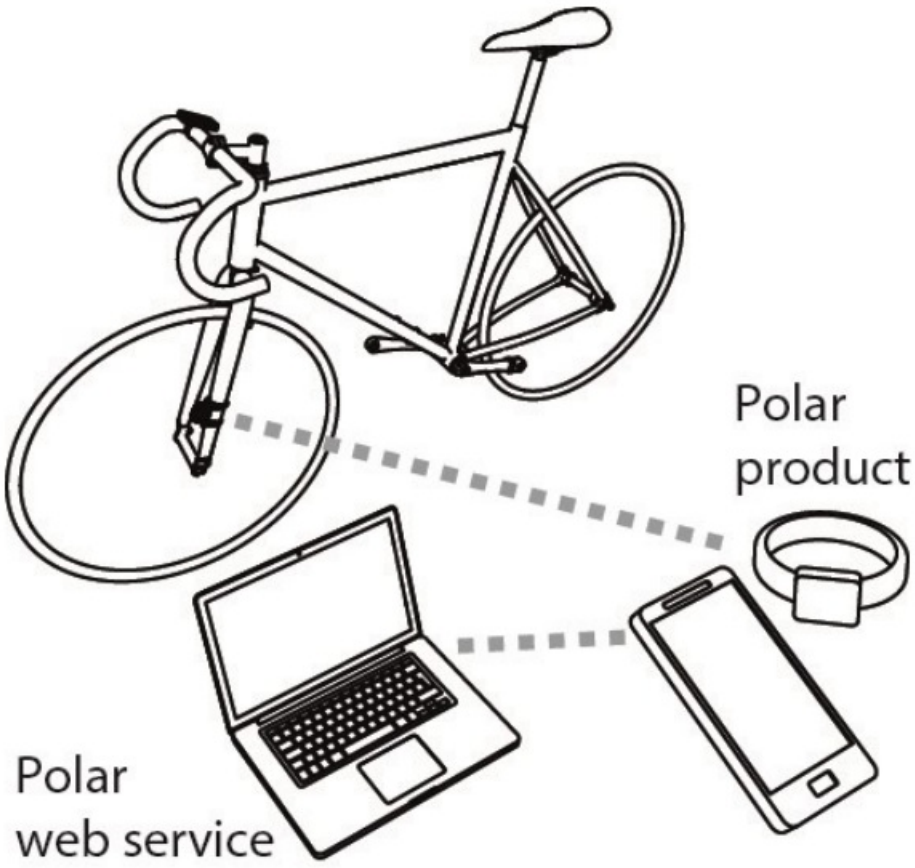
Contents

INTRODUCTION

Polar Speed Sensor is designed to measure speed and distance when cycling. The sensor is compatible devices that support Bluetooth® Cycling Speed Service.
You can use your sensor with dozens of leading fitness apps, as well as with Polar products using Bluetooth® technology.
Check the compatible products at **support.polar.com/en**.



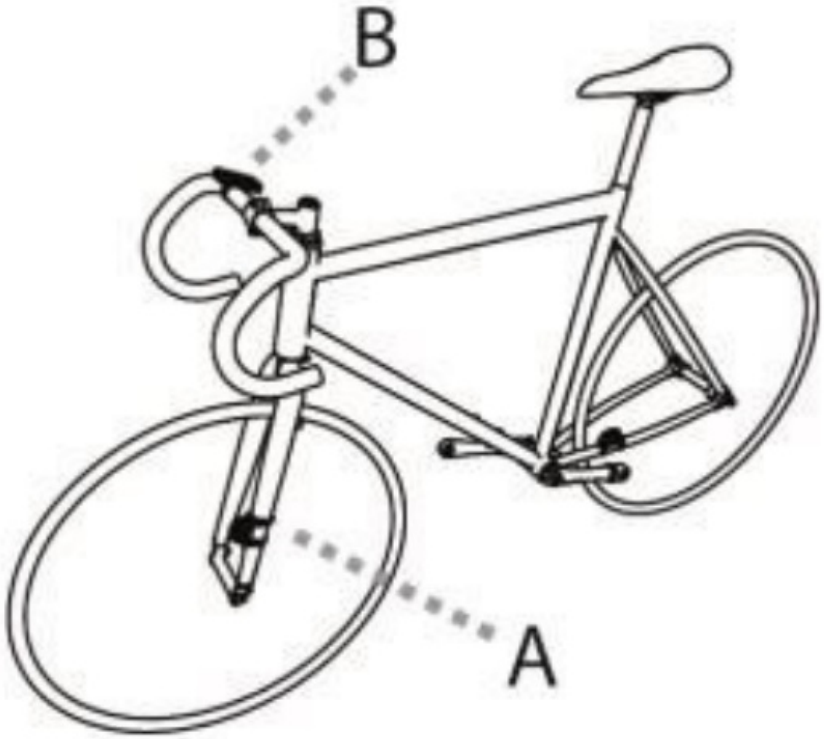
The latest version of this user manual can be downloaded at **support.polar.com/en**.

GET STARTED

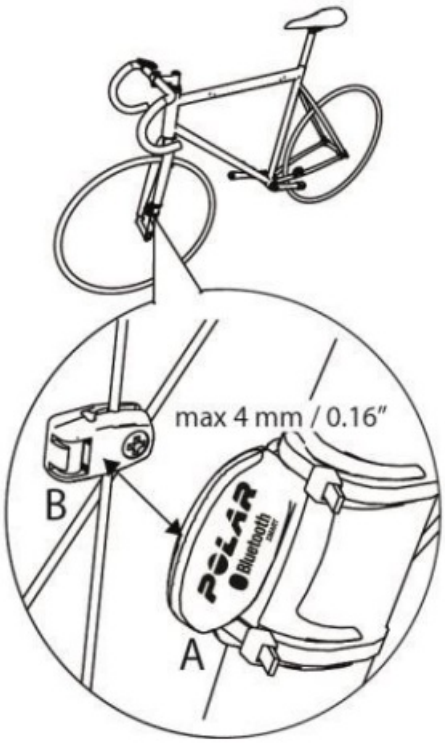
SPEED SENSOR PARTS

1. Speed sensor (pictures 1 A and 2 A)
2. Spoke magnet (picture 2 B)

Picture 1.



Picture 2



INSTALLING THE SPEED SENSOR

To install the speed sensor and spoke magnet, you need cutters and a cross-head screwdriver.

1. It is recommended to install the speed sensor on the front fork of your bicycle (as in picture 1 A).
2. Attach the rubber part to the speed sensor **(picture 3)**

   Picture 3.

3. Pass the cable ties over the speed sensor and rubber part (picture 2 A). Adjust the sensor to the front fork so that the

   POLAR logo faces outwards. Adjust the ties loosely. Do not tighten them fully yet.
4. Attach the magnet to a spoke at the same level as the speed sensor (picture 2). There is a small caved dot on the backside of the sensor (picture 3 A), which indicates the spot the magnet should be pointing at when passing the sensor. Fasten the magnet to the spoke and tighten it lightly with a screwdriver. Do not tighten it fully yet.
5. Fine-tune the positioning of both the magnet and the speed sensor so that the magnet passes close to the sensor but does not touch it **(picture 2)**. Move the sensor towards the wheel/spokes as close as possible. The gap between the sensor and the magnet should be under 4 mm/0.16”. The gap is correct when you can fit a cable tie between the magnet and the sensor.
6. Rotate the front tire to test the speed sensor. The flashing red light on the sensor indicates that the magnet and the sensor are positioned correctly. If you keep rotating the tire, the light will stop flashing. Tighten the screw to them agnet with a screwdriver. Also tighten the cable ties securely and cut off any excess cable tie ends.

Before you start cycling, set the wheel size of your bicycle into the receiving device or mobile application.

PAIRING

Your new sensor must be paired with the receiving device in order to receive data. For more information, see the user guidance material of the receiving device or mobile application.

 To ensure a good connection between the sensor and the receiving device, it is recommended to keep the device in a bike mount on the handlebar.

Important Information

Care and Maintenance

To ensure the longevity of the speed sensor, it is important to keep it clean and dry. Do not expose it to extreme temperatures or immerse it in water.

Your safety is important to us. Make sure that you can turn your handlebars normally and that the cable wires for brakes or gears do not catch the bike mount or sensor. Also, make sure that sensor does not disturb pedaling or using the brakes or gears. While riding your bike, keep your eyes on the road to prevent possible accidents and injury. Avoid hard hits as these may damage the sensor.

Replacement magnet sets can be purchased separately

Battery

The battery cannot be replaced. The sensor is sealed in order to maximize mechanical longevity and reliability. You can purchase a new sensor from the Polar online store at www.polar.com or check the location of nearest retailer at **www.polar.com/en/store-locator**.
The battery level of your sensor is displayed on the receiving device if it supports Bluetooth® Battery Service.
To increase battery life, the sensor goes into standby mode in thirty minutes if you stop cycling and the magnet is not passing the sensor

What should I do if the speed reading is 0 or there is no speed reading while cycling?

- Make sure the position and distance of the sensor to the magnet are appropriate.
- Check that you have activated the speed function in the receiving device or mobile application.
- Try keeping the receiving device in a bike mount on the handlebar to improve the connection.
- If the 0 reading appears irregularly, this may be due to temporary electromagnetic interference in your current surroundings.
- If the 0 reading is constant, the battery may be empty.

TECHNICAL SPECIFICATION

Operating temperature: -10 °C to +50 °C / 14 °F to 122 °F
Battery life: Average 1400 hours of use.
Accuracy: ±1 %
Material: Thermoplastic polymer
Water resistance:

Splash proof
FCC ID: INWY6
Speed Sensor Bluetooth QD ID: B021136

FREQUENTLY ASKED QUESTIONS

What should I do if .. the speed reading is 0 or there is no speed reading while cycling?

Make sure the position and distance of the sensor to the magnet are appropriate.
Check that you have activated the speed function in the receiving device. For further information, see the user guidance material of the receiving device or mobile application.
Try keeping the receiving device in a bike mount on the handlebar. This may improve the connection.
If the 0 reading appears irregularly, this may be due to temporary electromagnetic interference in your current surroundings.
If the 0 reading is constant, the battery may be empty.

there are irregular speed, distance or heart rate readings?

Disturbance may occur near microwave ovens and computers.
Also WLAN base stations may cause interference when training with Polar Speed Sensor. To avoid erratic reading or misbehaviors, move away from possible sources of disturbance.

I want to pair the sensor with the receiving device before installation?

Follow the instructions in the user guidance material of the receiving device or mobile application. Instead of rotating the crank/wheel, activate the sensor by moving it back and forth close to the magnet. The flashing red light indicates that the sensor is activated.

How do I know….. if the sensor is transmitting data to the receiving device?

When you begin cycling, a flashing red light indicates that the sensor is alive and it is transmitting speed signal. As you continue cycling, the light stops flashing.

Documents / Resources

	POLAR Speed Sensor Bluetooth Smart and Cadence Sensor Bluetooth Smart Set [pdf] User Manual Speed Sensor Bluetooth Smart and Cadence Sensor Bluetooth Smart Set, Bluetooth Smart and Cadence Sensor Bluetooth Smart Set, Cadence Sensor Bluetooth Smart Set, Sensor Bluetooth Smart Set, Bluetooth Smart Set, Smart Set, Set

References

- Support | Polar Global
- Heart Rate Monitors, fitness trackers and sports watches | Polar Global

- Store Locator | Polar Global
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- Store Locator | Polar Global