Gemini 210

User's Guide

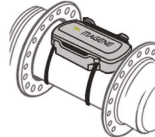# MAGENE

I. Introduction of the sensor

The GEMINI 210 is a Bluetooth, ANT + dual protocol sensor for cycling APPs and GPS bike computers, with both speed and cadence modes, and can be switched between two modes by reloading the battery.

Indicator red / green

Turn the battery cover counter-clockwise   Silicone pad mounting port

open

II. Mode selection and installation

Remove the insulation paper under the battery before first use.

Speed Mode

1. Reinstall the battery and the green LED indicates that the sensor is in speed mode.
2. Install the arc-shaped silicone gasket on the bottom of the sensor.
3. Use the appropriate rubber ring to mount the sensor to the front hub .
4. Turn the wheel and search it via ANT + or BLE.

Cadence Mode

1. Reinstall the battery, the red LED indicates that the sensor is in cadence mode.
2. Install the flat silicone gasket on the bottom of the sensor.
3. Use the appropriate rubber ring to mount the sensor on the inner side of left crank.
4. Turn the crank and search it via ANT+ or BLE.

Note: After installing, make sure the sensor and rubber ring will not rub with shoes and bicycles when riding, in case of unnecessary loss.

III. Device connection

This product is ANT+ and Bluetooth dual protocol sensor, compatible with a variety of devices and APPs that support standard protocols. With built-in device identification code, this production can avoid misconnection in multi-sensor situation. When using ANT + protocol, the probability of misconnection is 1 / 60,000, while using Bluetooth protocol, it's 0.

Indicators and device status

Indicator LED	Device status
The green LED blinks	Bluetooth is broadcasting in speed mode *
The red LED blinks	Bluetooth is broadcasting in cadence mode *
The green LED and the red LED blink alternately	The battery is low *

* The sensor goes to sleep after 1 minute of inactivity, and starts BLE broadcasting when woken up by motion, in which case, users can use their APPs or bike computers to search and connect the sensor.

* ANT+ and bluetooth protocol：When awakened，the sensor will keep broadcast.The bluetooth just connects only one app or bike computer.It will be connected or searched again when disconnected.

*Some APPs require to do BLE search within the APPs, rather than through the mobile phone system search.

IV. Product specification

Model： GEMINI210
Product Name: Bike speed and cadence 2-in-1 sensor
Operating temperature : -20 ℃ - 50 ℃
Battery: CR2032 battery
Battery Life: about 400 hours of exercise (depending on the ambient temperature)
Dimensions : 38.2mm(L)×29.6mm(W)×8.5mm(H)
Weight : 9g (With battery inside)
Maximum speed : 110km/h for 700c
Water Resistance : IP67
Sensor: Geomagnetic sensor
Wireless Connectivity : Bluetooth Smart、ANT+
Accessories : Sensor x1、CR2032 battery x1、Silicone pad   x 2
rubber band x 4

V. Contact us

Company：Qingdao Magene Intelligence Technology Co,.Ltd.
E-mail：service@magene.cn
Website：www.magene.cn
Address：HaoQiGongChang No.512, Xuzhou Road, No.79, Shinan District, Qingdao, China

---

MAGENE

Gemini 210

使用说明书

一、传感器介绍

GEMINI210 是一款应用于骑行 APP 和 GPS 码表的蓝牙、ANT+ 双协议传感器，拥有速度与踏频两种模式，通过重装电池在两种模式间切换。

指示灯 红 / 绿

逆时针旋转开启电池仓 硅胶垫安装口
安装时确认按压平整再转动旋钮

二、模式选择安装

请在首次使用前去掉电池仓中的绝缘纸。

速度传感器模式

1. 重新安装电池，绿色指示灯亮起表示传感器处于速度模式。
2. 将弧形硅胶垫片安装于传感器底部。
3. 使用适合的橡胶圈将传感器安装于前花鼓。
4. 转动车轮，并使用 ANT+ 或蓝牙搜索。

踏频传感器模式

1. 重新安装电池，红色指示灯亮起表示传感器处于踏频模式。
2. 将平面硅胶垫片安装于传感器底部。
3. 使用适合的橡胶圈将传感器安装于左侧曲柄内侧。
4. 转动曲柄，并使用 ANT+ 或蓝牙搜索。

注意：安装传感器后，请确保骑行时传感器和橡胶圈不会与鞋子及自行车产生摩擦，以免产生不必要的损失。

三、设备连接

本产品为 ANT+ 蓝牙双协议传感器，可与各类支持标准协议的设备及 APP 兼容。内置设备识别码，减少多传感器同时使用时误连的情况，ANT+ 协议下误连率为 1/60000，蓝牙协议下误连机率为 0。

指示灯与设备状态

指示灯	设备状态
绿灯闪烁	速度模式蓝牙正在广播 *
红灯闪烁	踏频模式蓝牙正在广播 *
红绿灯交替闪烁	设备电池电量低 *

* 传感器在静止 1 分钟后自动进入休眠状态，被唤醒后 ANT+ 与蓝牙立即开始广播，此时可使用相应设备搜索并连接传感器。

* ANT+ 和蓝牙协议：会在传感器唤醒之后，持续广播，蓝牙只能同时连接一个app 或码表，断开后才可以被其他app或者码表搜索链接.

* 红绿灯交替闪烁表明传感器电量过低，电池电量低时请及时为传感器更换电池。

* 部分手机 APP 需要在 APP 内搜索蓝牙传感器，通过手机系统蓝牙功能搜索无效。

四、产品规格说明

型号： GEMINI210
品名：踏频速度双模式传感器
操作温度：-20℃--50℃
电池：CR2032电池
续航：运动状态 400 小时左右（视环境温度而不同）
体积：38.2mm(长)×29.6mm(宽)×8.5mm(高)
重量：9g（安装电池状态下主机重量）
最高检测速度：700c 110km/h
防水性能：IP67
传感器：地磁传感器
无线接口：Bluetooth Smart、ANT+
标准配件：主机 x1、CR2032 电池 X1、硅胶垫 X2、橡胶圈 X4

五、联系我们

公司：青岛迈金智能科技有限公司
邮箱：SERVICE@MAGENE.CN
网站：www.magene.cn
地址：山东省青岛市市南区徐州路79号