

# Lifevisa WIRELESS BIKE CADENCE SENSOR [RPS-2300] USER MANUAL

2.4GHz

Thank you for purchasing Lifevisa products. This manual contains information required to use Cadence Sensor. Please read this manual thoroughly before you use the Cadence Sensor.

## COMPONENTS



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## CADENCE SENSOR BATTERY INSTALLMENT

This Cadence Sensor includes a 3V CR2032 lithium battery. Please follow below steps to install the battery.

### Step 1.

Insert the battery (CR2032) with the positive (+) side up.  
☆ *Make sure the battery is hooked by the contact spring.*

### Step 2.

Put on the O-Ring in the groove to ensure water resistance.

☆ *Make sure to place the O-Ring properly in order to prevent battery composition from being spoiled by rain or water.*

### Step 3.

Place the battery cover and use a coin to twist it clockwise until it is tight enough.



### NOTE:

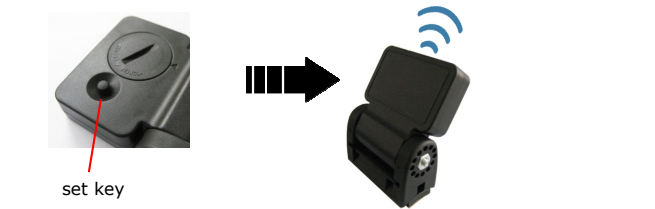
☆ *Open the battery cover only when changing the battery to ensure a long life, and make sure the O-Ring is not damaged, in which case you should replace it with a new one.*  
☆ *Keep battery away from children. If swallowed, contact a physician at once.*

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## HOST CONNECTION

This Cadence Sensor must be recognized to the host before being used for the first time. We recommend making this approach before installation. Please follow below instructions to complete the connection.

1. Turn on the host and enter connection mode. The host will wait the signal for 1 minute. If not receiving the signal, the host will exist the connection mode automatically.  
☆ *The effective distance/range is within 10 meters. Be sure no other devices are within this distance making the same approach.*
2. Press the set key of Cadence Sensor. Then wait for connection.



3. The host should begin to display a reading, showing the connection has been done and you can start to install the Cadence Sensor and Magnet.



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**NOTE:**

- ☆ This step only has to be done at the first time of use with the same Cadence Sensor and host. Afterwards, even changing battery, you don't need to reconnect to the host.
- ☆ See TROUBLESHOOTING AND CARE section if you are experiencing connection issues.

### HOW TO INSTALL THE CADENCE

The Bike Cadence Sensor measures and sends your pedaling strokes per minute information to the host. Please follow the simple instructions below to mount the Cadence on your bike.

To install Cadence Magnet and Cadence Sensor, you need cutters and cross-head screwdrivers. Before installment, clean and dry the position of the device.



1. Find an appropriate position and place the Cadence Magnet to inner side of the crank arm. The Magnet should face toward down tube or chain stay.
2. Pass 2 zip ties over the Cadence Magnet and tighten them. Carefully snug 2 zip ties and trim the excess. Make sure the Magnet is mounted



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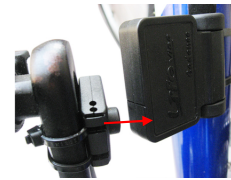
### HOW TO INSTALL THE CADENCE

3. Place the Cadence Sensor on the down tube or chain stay. The position of Cadence Sensor should be corresponded to Magnet's. There is an indication line on the top of the Sensor, which limits the effective range

effective range



indication



4. Sensor's logo is toward you and you can adjust Sensor's angle to find the suitable gap. Remember that the best gap between Cadence Sensor and
5. Remove the adhesive of foam pad from Cadence Sensor and attach the Cadence Sensor to the marked position on the down tube or chain stay.



6. Pass 2 zip ties over the Cadence Sensor and tighten them. Carefully snug 2 zip ties and trim the excess. Make sure the Cadence Sensor is mounted securely.



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### HOW TO INSTALL THE CADENCE

7. Fine-tune the angle of Cadence Sensor to ensure the Magnet can pass as close to the Sensor as possible but does not touch it. The gap between the Sensor and the Magnet should be 4mm (0.16"). Finally, tighten the screw on the Sensor with a screwdriver.



**NOTE:**

- ☆ If you have done host connection before installment, make sure you do not touch the set key accidentally; otherwise, please repeat HOST CONNECTION section.

### TROUBLESHOOTING AND CARE

#### Troubleshooting of the Cadence Sensor

- If you are not getting a good connection to the host, please
  - (a) Make sure the position of the Sensor to the Magnet is installed correctly.
  - (b) Make sure the gap between the Sensor and Magnet is appropriate.
  - (c) Check if the battery is installed properly or change a new battery.
  - (d) Repeat HOST CONNECTION section.

- The effective range of the whole system is 3 meters. If the host is away

#### Care of the Cadence Sensor and Magnet

- Keep the Cadence Sensor and Magnet clean after every use.
- Keep the Cadence Sensor and Magnet out of extremely cold and hot.

We care about your safety. Make sure the device is not against any parts of your bike and to avoid being heavily hit during cycling as it may damage the Sensor.

For the latest version of this user manual and more product information, please visit our website at <http://www.biotronic.com.tw>

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## **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).

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.