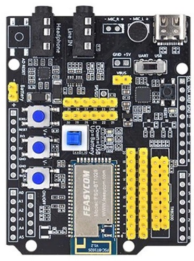
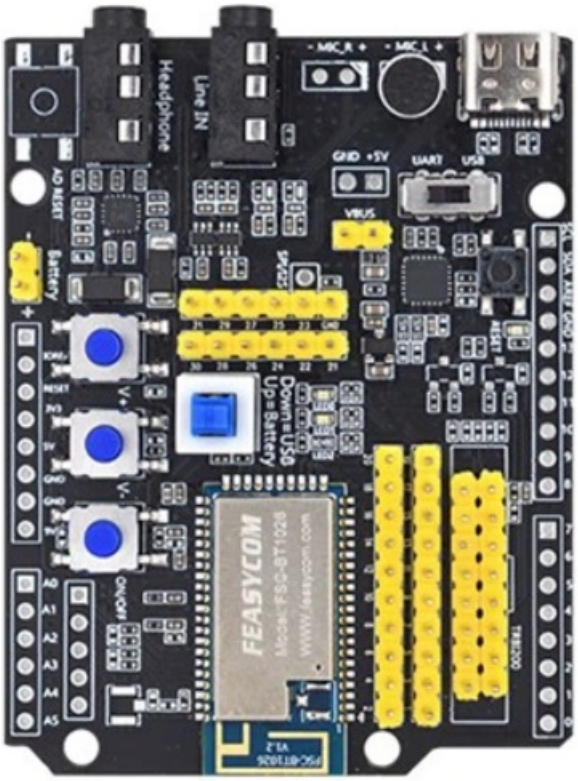


Omnisport F16IAF Bluetooth Module User Manual

Contents

Omnisport F16IAF Bluetooth Module



Product Information

The Fourth generation box PCB is a device that is used in conjunction with an exercise bike to track and display cycling data. It uses a Bluetooth SOC chip as a microprocessor to process the induction signal received from the sensor and sends it to a mobile app for display and recording. The device operates on an input voltage range of DC 1.8V-3.6V.

Product Usage Instructions

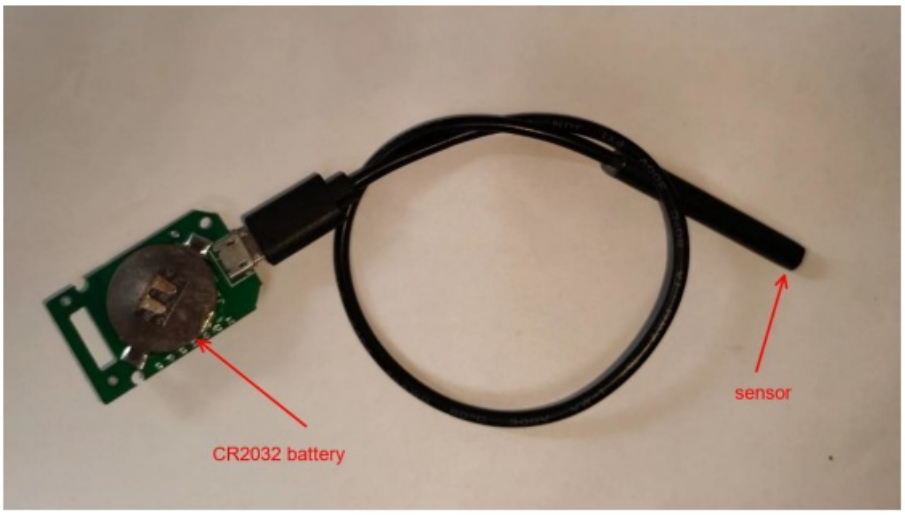
1. Before using the device, install the battery and ensure it is properly connected.
2. Place the sensor on a non-rotating structure of the exercise bike. Ensure that the nearest magnet is not greater than 5mm away from the sensor.
3. Start cycling on the stationary bike. The rotating mechanism of the bike will drive the magnet and sensor to induce signals. Each cycle of induction represents one complete rotation.
4. The induction signal is processed by the Bluetooth SOC chip and sent to a mobile app for display and recording. Ensure that the device is connected to the mobile app via Bluetooth for data transmission.

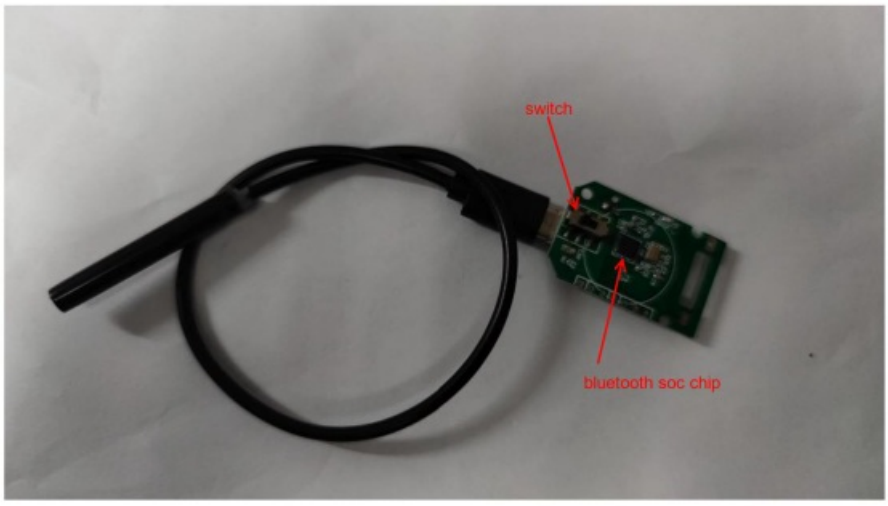
FCC Caution: This device complies with part 15 of the FCC Rules. It is important to note the following:

- This device should not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.
- Any changes or modifications not approved by the responsible party may void the user's authority to operate the equipment.

To maintain compliance with FCC's RF Exposure guidelines, it is recommended to keep a minimum distance of 20cm between the device and your body. Only use the antenna supplied with the device for optimal performance.

Fourth generation box PCB line specification





1. install the battery before use, and then turn on the power
2. Install the sensor on the non-rotating structure of the exercise bike, and the nearest magnet shall not be greater than 5MM
3. When cycling a stationary bike, the rotating mechanism drives the magnet and seesor to induction, once a

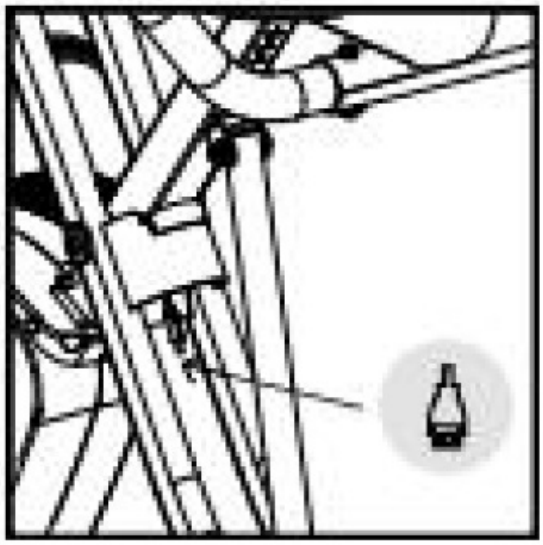
circle induction

4. The Bluetooth SOC chip is used as a microprocessor to process the induction signal when it is received and send it to the mobile APP for display and record
5. Input,DC1.8V-3.6V

CONNECTIVITY

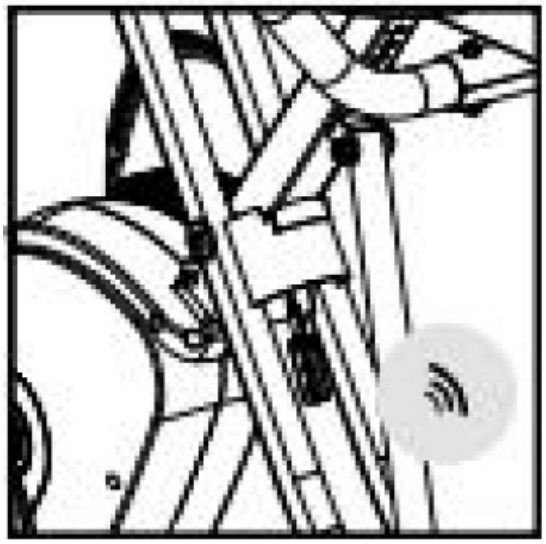
With an add-on Wireless Expandable Unit (25), you can connect the device with performance tracking Apps (eg. 7-Sport) on your smart phone, or tablets to monitor your biometrics while exercise.

1. Locate the sensor wire positioned in the middle section of the main frame.



2. Connect the sensor wire to the Wireless Expandable Unit.

3. Activate the switch and observe the continuous red light, indicating that it is now ready to establish a connection with your device.



Z-SPORT OVERVIEW

Operating environment

This App supports both Android and iOS system. Android phones: available for Android 5.0 and above system versions. IPhone: available for iOS 9.0 and above system versions. Software download: Both Android and Apple users can scan QR code below to download.

For Android users: open the Google Play Store, search for “Z-Sport” to download.
For iOS users: open the App Store and search for “Z-Sport” to download.

Android

iOS

Software introduction

The hardware devices currently supported by Z-Sport APP include spinning bikes (electrically controlled and manual). The software function is mainly combined with wireless connection hardware devices for game simulation sports. Aims to help users solve the sport boring, happy fitness.

FCC Caution:
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.

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

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Documents / Resources

	Omnisport F16IAF Bluetooth Module [pdf] User Manual 2BBEA-F16IAF, 2BBEAF16IAF, f16iaf, F16IAF, Bluetooth Module, F16IAF Bluetooth Module, Module