

LifeGait Motion Sensors User Manual

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1 Introduction

LifeGait Motion Sensors is a Tracker which is designed for getting information of human motion , including WIFI function meanwhile(e.g. a wearable product). With superior receiving sensitivity, WIFI frequencies 2.4GHz. Based on the embedded wireless protocol, LIFEAIT MOTION SENSORS can communicate with the backend server through WIFI function, and transfer data of sensor, device information etc...

2 Product Overview

2.1 Appearance



Figure 1-1

2.2 Switch/5PIN Interface Description

Button /5PIN Interface Description	
KEY/interface	Description
SWITCH	Power on/off LifeGait Motion Sensors
5PIN interface	Connect a 3.8V Li-ion or Li-Polymer battery can power on LIFEAIT MOTION SENSORS Connect a 5V DC adapter can charge the internal battery

	Backend server developer or administrator can use the data cable to configure LIFEGAIT MOTION SENSORS (by RD or engineer not by end user).
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2.3 LED Description

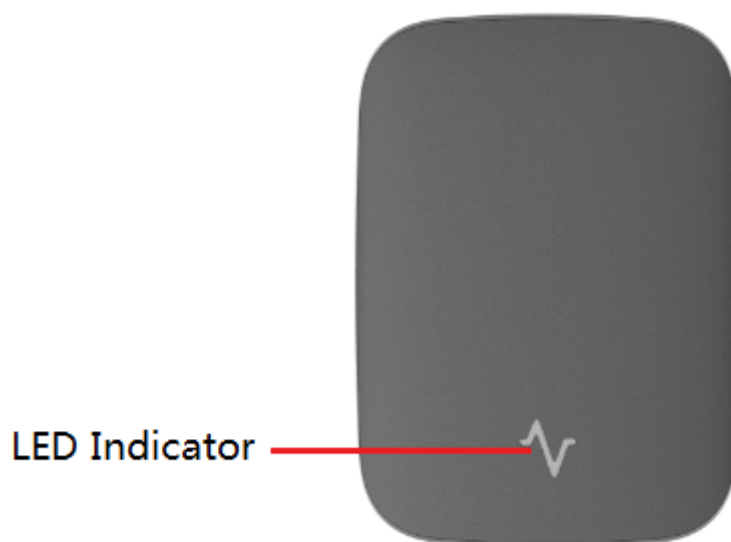





Figure 1-2

There are Three LED lights in LifeGait Motion Sensors device, the description as following.

Light	Event	State
POWER LED	Power On	Blue LED Solid
	Power Off	Blue LED Dark
Charging LED	Fully charged	Green LED Dark
	In charging	Green LED Solid
LOW BATTERY LED	Low battery	Red LED Solid
	High battery	Red LED Dark

3 Getting Started

3.1 Parts List

Name	Picture	Remark
LifeGait Motion Sensors		LifeGait Motion Sensors
USB Cable		It is used to charge the internal battery of LifeGait Motion Sensors
LifeGait Motion Sensors Data and charger Cable		the data cable which can be used for firmware upgrading and debug. It also includes the charger interface (by RD or engineer not by end user).

3.2 Battery Charging

The following items are suggestion for battery charge, please pay more attention.

- ◆ Please connect AC-DC power adapter with LIFEGAIT MOTION SENSORS device.
- ◆ Insert the AC-DC power adapter into the power socket.
- ◆ During the charging process, the LOW BATTERY LED light will flash slow. When the battery is fully charged, the Power LED light will be Ever-light.
- ◆ You can also charge the battery using charging cable which connects LIFEGAIT MOTION SENSORS device with the Adapter.
- ◆ Charging will last about 3 hours.

Note: If the LifeGait Motion Sensors device is firstly used, please make sure the battery is fully charged, which will make the life of battery much longer.

3.3 LifeGait Motion Sensors Data Cable

LifeGait Motion Sensors Data Cable is a cable with a 5PIN connector.

The data cable is used for data download, which will be used for firmware update or configuration and can be used for charging at the same time (by RD or engineer not by end user).



Figure 2-1

3.4 Power on/Power off



Figure 2-2

Power on:

- ◆ Push the On/off Switch to the right side then power on LIFEAIT MOTION SENSORS. Note that, the Power on LED(Blue) light will be solid.

Power off:

- ◆ Push the On/off Switch to the left side then power off LIFEAIT MOTION SENSORS. Note that, the Power on LED(Blue) light will be dark., this indicates the LIFEAIT MOTION SENSORS has been powered off..

4 Trouble shooting and Safety info

4.1 Trouble shooting

Trouble	Possible Reason	Solution
Unable to power off LifeGait Motion Sensors .	On/off Switch is damage	The device will power off when push the On/off Switch to the left side
Battery can not be charged	The battery has not been used for too long time and has been locked.	Using a external power source with 3.6V to 4.2V DC power supply to active the battery or apply for after sale help.

4.2 Safety info

The following items are suggestion for safety use, please pay more attention.

- ◆ Please do not disassemble the device by yourself.
- ◆ Please do not put the device on the overheating or too humid place, avoid exposure to direct sunlight. Too high temperature will damage the device or even cause the battery explosion.
- ◆ Please do not use *LifeGait Motion Sensors* on the airplane or near medical equipment.

FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

§ 15.21 Information to user.

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

§ 15.105 Information to the user.

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.

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. (2) This device must accept any interference received, including interference that may cause undesired operation.

RF Radiation Exposure Statement:

1. This equipment compliance with FCC RF radiation exposure limits set forth for an uncontrolled environment for body-worn configuration.
2. The maximum summation of SAR was 0.03 W/Kg(1g) for Body.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.