



Ashametrics, Inc.



LifeBand - Wrist

Data Sheet v1.1

Ashametrics, Inc.

1035 Cambridge St. #8
Cambridge, MA 02141
(617) 494-1001

<http://www.ashametrics.com>
email: info@ashametrics.com
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LIFEBAND – WRIST BAND



The Lifeband wristband is a wearable wireless physiology measurement device. The Lifeband is designed for to transmit data to a mobile phone via the Bluetooth protocol.

The Lifeband contains a washable strap and removable pocket, which holds the electronics.

Specifications:

- Skin conductance (0.05 microseimens resolution)
- Three-axis accelerometer (10-bit resolution)
- Temperature sensor (+/- 1 degree C)
- Real-time clock with quartz crystal accuracy and phone autosync
- Data logger support with on-board 2 GB data storage
- Logged data can be downloaded wirelessly via Bluetooth
- Internal lithium-polymer battery
- Onboard indicator LED lights
- USB rechargeable, via PC or AC adapter
- Two-way Bluetooth wireless communication
- Adjustable sampling rate
- IEEE802.15.4, RFID/NFC, and ANT communication are available as custom options

For further information, please contact: info@ashametrics.com

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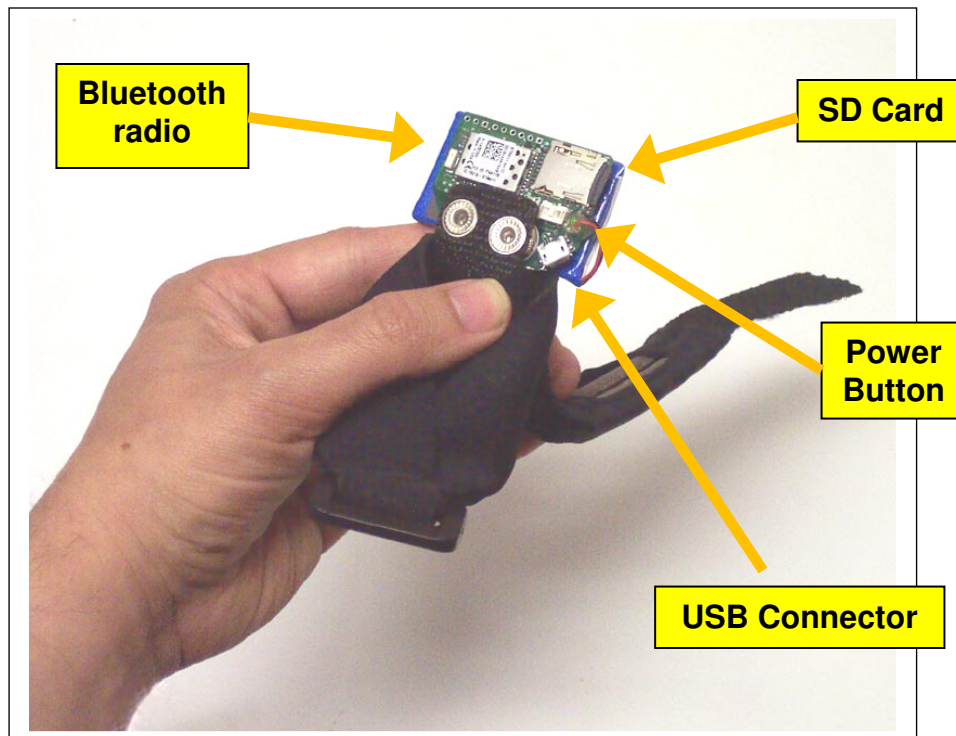
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LIFEBAND – INTRODUCTION



The LifeBand can be easily removed from its neoprene shell by flipping it over and turning the pocket inside out. As can be seen, the battery and sensor module are connected to the textile band through metal clothing snaps.



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LIFEBAND – GETTING STARTED

The sensor band has an adjustable strap and should be worn fairly snug on the wrist in order to make good contact with the conductive fabric electrodes on the wrist.

To turn ON the sensor band, press the power button for half second. If the battery is charged, you will see the red blinking light, indicating the band is operating and transmitting data.

Press and hold the button for 10 seconds to turn OFF the sensor band.



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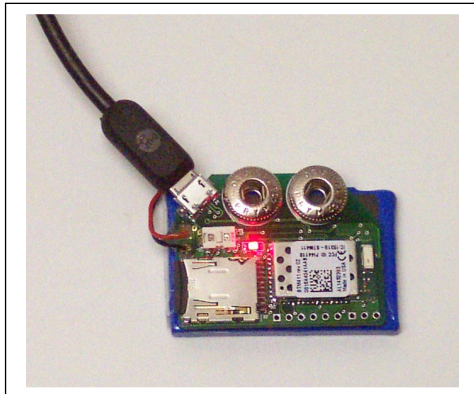
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LIFEBAND – MAINTENANCE



The electronics pocket can be removed from the sensor band by gently pulling the electronics module off the textile band. In order to avoid ripping the fabric around the snap, it is useful to use both hands, and the fingernails from one of the hands can be used to gently separate the snaps.



A standard micro-USB cable can be used to charge the battery. When the battery is charging, a steady red glowing light will be seen. The light will turn off (or grow very dim) once the charge is complete. The charging time may vary, but should be approximately 2-3 hours. (note: it is not necessary to unplug the sensor module from the textile band for charging)

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LIFEBAND – MAINTENANCE

With the electronics module removed, the Lifeband wrist band can be washed by hand in warm soapy water and air dried. Please do not machine wash.

When not in use, the wrist band should be stored in a waterproof plastic bag in order to keep the conductive electrode fabric in good condition.

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