

**BIOHARNESS TEAM SYSTEMS**

- TEAMSYSTEM-1A . Team System Physiology Monitoring for 1 Subject
- TEAMSYSTEM-1B . Team System Base (50 Charger)
- TEAMSYSTEM-10 . Team System Physiology Monitoring for 10 Subjects
- TEAMSYSTEM-30 . Team System Physiology Monitoring for 30 Subjects
- TEAMSYSTEM-50 . Team System Physiology Monitoring for 50 Subjects



**TEAMSYSTEM-1A**

TEAMSystem-1A is an RF telemetry physiology monitoring system for one person. The TEAM System can be expanded to simultaneously monitor multiple people in real time, anywhere in a stadium, field or other wide-area setting. Each subject wears a BioHarness system that telemeters heart rate, respiration rate, posture, activity, and acceleration back to a central TEAM central recording station. A single TEAM recording station can receive data from multiple subjects.

Key TEAM BioHarness features:

- Radio built in and memory for 24 days
- Works under extreme activity
- Fabric-based, dry contacts - no skin break down
- Comfortable over long periods, washable
- Unobtrusive, light and small
- No wires
- Logging or Radio
- Detect ventilatory (anaerobic) threshold
- Fitness and fatigue using well known methods
- Heart Rate reduction at end of activity Anaerobic threshold detection
- Biomechanical markers give context (at rest vs. active)
- Individually configurable thresholds and bio alarm algorithms for prioritization

**TEAMSYSTEM-1A Components**

BioHarness Unit x 1  
 BioHarness Charger  
 Smart Fabric strap - specify size when ordering:  
 Small fits 71-97 cm (28-38 inches) or Large fits 91-122 cm (36-48 inches)

USB Power  
 5 m USB ext cable  
 1 m USB A to miniB cable  
 Support Docs (Quick, Installation and User Guides)  
 Team System CD

**TEAMSYSTEM-1B**

The TEAM System Base is designed for customers monitoring a large number of subjects - up to 50 simultaneously - who want the convenience of a single, organized case for charging.

The system includes a large case that contains 50 charging stations, OmniSense software, gateway transmitter, repeater to extend range, and a barcode scanner.

Range extender for the ECHO system allows for far afield usage to cover the maximum amount of area on the market. Using four (4) ECHO Repeaters allow teams and users to measure up to over 4M2 feet live.

Barcode Scanner makes it easy to quickly assign and allocate participants and equipment in a hurry without touching the computer.



## TEAM SYSTEMS FOR WIRELESS MULTI-SUBJECT, MULTI-MEASUREMENT SOLUTIONS

Simultaneously capture comprehensive physiological and biomechanical data from 10, 30, even 50 or more active subjects in real-world situations.

Heart Rate, R-R Interval, breathing rate, Respiration, 3-Axis Accelerometry, Posture, Activity Level & More!

Zephyr™ TEAM Systems provide advanced physiological monitoring that incorporates class three BlueTooth Low Energy (BTLE) technology in a small form factor. Transmit via mobile and fixed data networks with an unmatched 1,000 ft range for genuine remote monitoring of human performance and condition in the real world.

OmniSense 4.0 software provides in-depth analysis of the data gathered by the BioModule.

Ideal for exercise physiology, sports conditioning, human factors, public health, and psychological studies.

OmniSense 4.0 software now offers new advanced capabilities including: Readiness Metric and protocol which calculates a Readiness Score of 0-10 so you can identify times of peak performance looking at each individual athlete's mechanical load whether in training or in action. Google Maps for graphical representation on path lines, heat maps, distance markers and shuttle function of position for comparison of multiple players/members simultaneously. Embedded Accelerometry provides instant feedback on athlete's performance and associated graphs and reports enable you to develop individual and team training strategies. ECHO Live Modes: two new Live ECHO modes which provide 1-second updates for twenty (20) subjects or 5-second updates for one hundred (100) subjects.

Data Logging must be enabled to download data. OmniSense 4.0 Software required.

ECHO Gateway for data transmission range of up to 1,000 ft (contact BIOPAC for repeater options to extend range if necessary).

TEAM Compression Shirts make connecting your BioModule a snap! Simply pop the sensor directly into the chest receptacle. Shirt provides data parameters to measure Heart Rate, Heart Rate Recovery, Heart Rate Variability, Accelerometry, Intensity & Load, and more. Respiration is currently not supported by Team Compression Shirt; if you need support for Respiration measurements, use the side strap.

- Smooth fabric provides complete comfort without restriction
- Compression fit bolsters muscle support and increases circulation
- Moves moisture away from the body for ultimate comfort
- Built specifically to let the Zephyr BioModule sensor snap straight in
- Machine Washable



### TEAMSYSTEM-10

10 Subject ADVANTAGE Pack includes:

- 10 Echo Modules
- 10 Large and 2 Small Straps
- 3 TEAM Shirts (Med, Lg, Extra Lg)
- Accessory Case
- OmniSense 4.0 Software
- Two 5 Bay Chargers

### TEAMSYSTEM-30

30 Subject ADVANTAGE Pack includes:

- 30 Echo Modules
- 30 Large and 5 Small Straps
- 3 TEAM Shirts (Med, Lg, Extra Lg)
- 50 Bay Multicharger Case
- Wired Bar Code Scanner
- OmniSense 4.0 Software

### TEAMSYSTEM-50

50 Subject ADVANTAGE Pack includes:

- 50 Echo Modules
- 54 Large and 6 Small Straps
- 3 TEAM Shirts (Med, Lg, Extra Lg)
- 50 Bay Multicharger Case
- Wired Bar Code Scanner
- OmniSense 4.0 Software

**TEAM ECHO-L – Team BioHarness Device with Large Strap**

TEAM BioHarness device with large strap for use with TEAM System station. Large strap holds BioHarness device and fits 91-122 cm (36-48").

**TEAM ECHO-S – Team BioHarness Device with Small Strap**

TEAM BioHarness device with small strap for use with TEAM System station. Small strap holds BioHarness device and fits 71-97 cm (28-38").

*See also:* [BioHarness Data Logger and Telemetry System](#)

**Notes:**

- BioHarness requires a computer with integrated Bluetooth or an external USB Bluetooth dongle (not included with system purchase).
- The TEAMSsystem-4A was discontinued in April of 2016.