

# TrackViews\_ID<sup>tm</sup>

USER MANUAL for:

**RECEIVER Model # REC-103**

**ANKLE TRANSMITTER Model# XTMR 103**

DATE: 01-30-15

## DESCRIPTION:

The Trackview ID system is designed to monitor individuals wirelessly. Two components are utilized for this monitoring:

### REC-103 Receiver

#### XTMR 103 Transmitter ankle bracelet

The system provides data as to the wearers physical activity level, heart rate, and approximate location within the monitored area. This information is highly useful in institutional settings where numerous individuals must be accounted for both in location and in health status.

The REC-103 receivers may be connected via the internal USB output to any compliant infrastructure such as a WIFI, Ethernet, or USB network. The information is processed and displayed at a remote server running the companies Graphical User Interface and Display software. Up to 200 receivers may be connected via the network at any one time. The accuracy of the location feature of the system is directly related to the number AND density of the receivers- 3 receivers within a 25 foot circumference being optimal. A linear spacing of 30 feet also gives good location data providing localization down to 15 feet.

**SET UP:** This manual addresses only the hardware installation and use of the equipment.

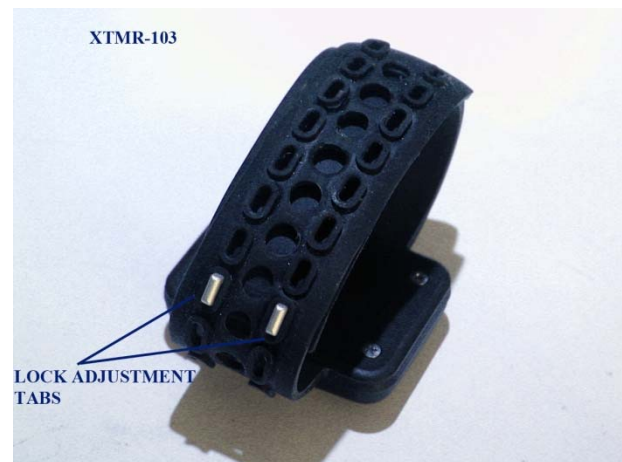
Setup is simple and straight forward provided these basic instructions and suggested installation precautions are followed. Please refer to the Unintentional Interference section at the end of this manual. Please Refer to Figures Below:



## RECEIVER INSTALLATION-

1. The REC-103 must be connected to its Wall converter which is plugged into any standard 120 Volt AC Mains outlet.
2. Remove the bottom Battery compartment cover and install a 9 volt Battery.
3. Take the supplied Antenna and screw it into the F type connector jack on the side of the REC-103
4. Using the USB cable supplied, plug the cable into the REC-103. Plug the other end of this cable into any existing network using an appropriate converter. For example a serial to Ethernet converter will allow the data to enter the network and be supplied to the server running the GUI (Graphic User Interface).
5. Locate the receivers as high as possible with 8 ft being a nominal height. It is important to make sure that there are no obstructions immediately in front of the REC-103 as this may cause attenuation of the received signals from the XTMR 103 Ankle Bracelet's transmitter.

## ANKLE TRANSMITTER XTMR 103 SET UP



## XTMR 103 Application-

1. Activate the XTMR 103 by removing the tab on the side of the unit.
2. Apply the ankle bracelet and bring it to a slightly snug position on the ankle.
3. Use the locking mechanism provided to secure the XTMR 103 to the individual.

The system is fully operational at this point and is transmitting data to the server every 30 seconds.

### End of Installation Instructions

#### General Specifications:

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

#### XTMR 103 Transmitter

Photo Transducer – Wireless  
RFID

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Frequency of Operation	916.5 MHz( ISM Band)
Power Requirements	3 volt Lithium 1000 ma/hr
4 emitters / receivers	High Output Infrared 915 nm
RFID Range	60 ft indoor/ 140 ft outdoor
RFID (# Unique IDs)	1 million
Battery Life	2800 Hrs ( 120 days)
Modulation	OOK ( on off Key)

#### REC-103 Display Receiver

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Size	6 x 4 x 1.5”
Frequency of Operation	916.5 MHz.( ISM Band)
Power Requirement	5 Volt wall adapter or 4 AA ( 5 Days continuous)
Outputs	USB
DATA Channels	Heart Rate Motion REC Battery XTMR Battery REC ID XTMR ID Tamper RSSI ( Signal Strength)

**CAUTION:** Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

### **RADIO AND TELEVISION INTERFERENCE**

This equipment has been tested and found to comply with the limits, 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 the 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.

You may also find helpful the following booklet, prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and Modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission's rules.