



SX Version

Electronic Monitoring Device



USER GUIDE

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1. INTRODUCTION

Thank you for choosing **SX Version**, the advanced GPS electronic monitoring device. To ensure maximum efficiency and satisfaction when using our products, please read this User Guide thoroughly before installing the Device on the Wearer and using the related software application.

Please note that in the text of this User Guide you will find phrases with the following labels:



WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury



CAUTION: Indicates a hazardous situation which, if not avoided, could result in minor injury or property damage.



NOTICE: these phrases are meant to draw your attention, not necessarily to a hazard

Please pay special attention to these markings, as failure to follow the instructions may result in malfunction or damage to the device, and in some cases may even lead to personal injury.

2. GENERAL INFORMATION

2.1. Terms and Definitions

The following words and terms, when used in this User Guide, shall have the following meanings, unless the context clearly indicates otherwise:

- **Device:** **SX Version** Electronic Monitoring Device
- **Wearer:** an individual wearing the Device and being monitored electronically
- **Agency:** authority/organization that owns and/or operates the Device and performs electronic monitoring of Wearer
- **Mobile App:** a specialized software application for monitored individuals, installed on the Wearer's smartphone or tablet PC and ensuring communication between the Wearer and the Agency

2.2. Regulatory Notice

For evaluation only; not FCC approved for resale

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This Device may not cause harmful interference, and
- This Device must accept any interference received, including interference that may cause undesired operation.

This ankle worn radio device has been evaluated and found to be compliant with the requirements as set forth in FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

2.3. Safety Precautions

The Device is safe to use, as long as it is used correctly in accordance with this User Guide.

Strictly observe the safety rules to avoid overheating, failure or breaking of the Device.

Make sure the Wearers are familiarized with the safety rules before installing the Device on their ankle.

i NOTICE: This Device does not contain any user-serviceable parts inside. In the event of failure or malfunction, please contact the Manufacturer's Support Team; **do not attempt to disassemble or perform any repairs on the Device.**

BATTERY SAFETY: The Device contains non-removable lithium-Ion batteries that may present a fire or chemical burn hazard if mistreated.

! CAUTION: Do not attempt to remove the batteries. Do not dispose of the Device in a fire. Do not disassemble, crush, or puncture the Device. Do not expose the Device to temperatures exceeding +140°F (+60°C).

! CAUTION: Do not charge the Device at ambient air temperatures below 0°C (32°F)

i NOTICE: To charge the Device, use only charging accessories supplied with the Device and follow the [charging instructions](#) given in this User Guide.

2.4. Disposal and Recycling

Dispose the packaging and the Device in accordance with your local e-waste management regulations.

This product, except for the silicone bracelet, must be disposed of separately from ordinary household waste at the end of its operable life.

Please be aware that it is your responsibility to dispose of electronic equipment at a recycling center to help conserve natural resources.

For information about your recycling drop off point, please contact your local electrical and electronic equipment waste management authority.

i NOTICE: Please collect used silicone bracelets and send them to the Manufacturer for recycling. Manufacturer's address can be found in [Getting Help](#) section.

2.5. Getting Help

Our Support Team is pleased to help you with any questions you may have regarding the use of **SX Version** Device and **Agency Web App**.

Do not hesitate to contact us at:

Customer Support Center: **tel. +-----**

Mailing/shipping address: **-----**

E-mail: **-----**

2.6. Limited Warranty Conditions

The Manufacturer hereby warrants that the **SX Version** Device will be free from defects in material and workmanship under normal use in accordance with the Quick Reference Guide and user documentation for the period shown in the following table ("Limited Warranty Period"):

Product Type	Limited Warranty Period
SX Version Electronic Monitoring Device	12 months from the date of purchase
Bracelet	12 months from the date of purchase

If the Device you have purchased is found to be defective in material or workmanship or has failed during normal use within the Limited Warranty Period, please contact the Manufacturer at **+-----** or **-----@-----** for assistance.

If Device repair or replacement is necessary, the User will be solely responsible for all shipping charges, freight, insurance and proper packaging to prevent breakage in transit, whether or not the Device is covered by this warranty.

This warranty does not apply to:

- natural wear and tear of the Device
- damage to the Device caused by Wearer or any third party, whether through accident, misuse, improper maintenance, or exposure to an unsuitable environment
- defects, failure or malfunction of the Device resulting from the use of non-original parts and components by Agency or Wearer
- any third-party components supplied with the Device, i.e. AC adapter, charging cable or portable charger/power bank.

3. DEVICE OVERVIEW

3.1. Description

SX Version is an ankle-worn radio-electronic monitoring device designed to determine the User's location and to exchange information with the Organization/Agency, having a built-in system to detect the opening and/or tampering with the device/bracelet.

The Device is permanently sealed, placed in a water- and dust proof case made of fire-retardant plastic, which contains: digital microcontroller; GPS and LTE modules; storage medium; power source (2 rechargeable batteries); signaling LED; bracelet control circuit; charging port.

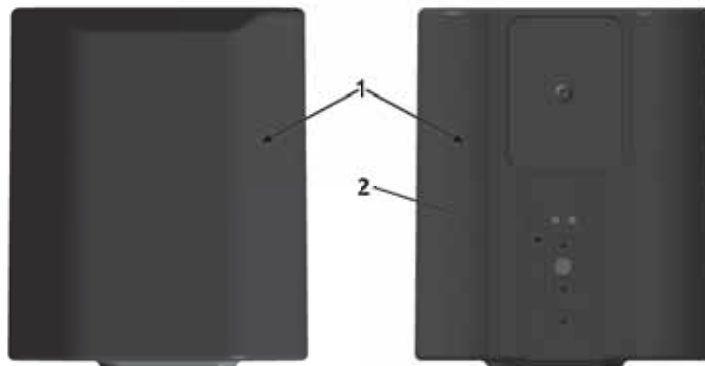


Fig. 1. SX Version Device - front (left) and rear (right) view

1 - device case; 2 - bracelet socket

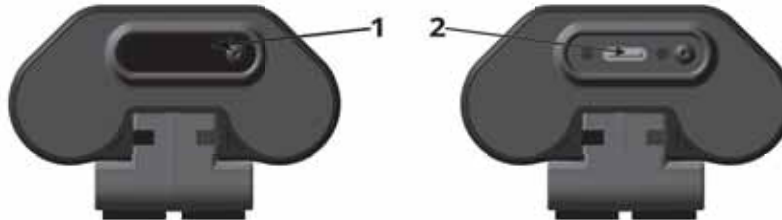


Fig. 2. SX Version - bottom view, with (left) and without (right) charging port cover
1 - charging port cover; 2 - charging port (USB Type C)



Fig. 3. SX Version - top view
1 - device enclosure; 2 - LED indicator

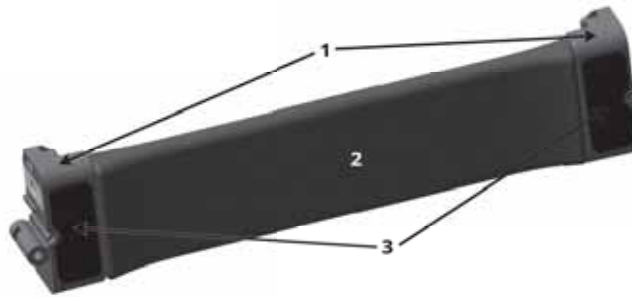


Fig. 4. Silicone Bracelet for SX Version - rear view
1 - bracelet ends; 2 - silicone strap; 3 - neoprene pads

Main features:

- Accurate indoor and outdoor geolocation using GPS positioning
- Supports GPS/BeiDou/Galileo satellite navigation systems
- Water- and dust-proof (IP68)
- Tamper-resistant design
- Ergonomic shape
- Tear-resistant, hard-wearing bracelets made of hypoallergenic silicone rubber
- A variety of bracelet sizes to choose from

3.2. Technical Specifications

Power supply:	4.2 VDC, 6000 mA·h built-in rechargeable battery
Communication:	- CAT M1 B2, 4, 5, 12, 25, 26, 66 / NB IoT B2, 4, 5, 12, 66 - GSM 850, 1900
Battery charging current:	5VDC, 2A
Battery charging time:	approx. 2 hours since the first low charge signal
Total battery life after full charge:	up to 200 hours
Dimensions (without bracelet):	63(W)x74.5(H)x41(D) mm
Weight (without bracelet):	175 g
Material:	Case: polymer (ULTEM 2300) Bracelet: silicone rubber Back pads: Neoprene
Ingress protection class:	IP68

3.3. Box Contents

- **SX Version** Electronic Monitoring Device
- Set of silicone bracelets (235, 245, 255, 265, 275, 285 mm)*
- AC adapter
- USB A to USB Type-C charging cable
- MIADY 5000 mAh Portable Charger
- Fabric ankle cuff
- User Guide
- Quick Reference Guide for wearers - (English & Spanish)
- Carrying bag for accessories
- Key (provided for several device sets)

**Other sizes can be provided individually upon request.*

3.4. Mobile App

Mobile App has been developed as part of software package for the Device. It is intended to be used by Wearer and must be installed on the Wearer's mobile phone or tablet PC. Mobile App is available for both Android and iOS operating systems and is delivered free of charge to the Agency when ordering the Devices.

Mobile App ensures consistent multichannel (messages and push notifications) communication between the Wearer and the Agency service managers. Depending on the type of Offender management system used, the Mobile App

performs a variety of functions, from making payments and receiving notifications to photo check-ins and battery status monitoring.

i NOTICE: Make sure the Mobile App is installed and properly configured on the Wearer's mobile device before the Wearer leaves your office, and that Device data is displayed correctly in the Mobile App.

4. USING THE DEVICE

4.1. Getting Started

Before you start using the Device:

1. Check the box contents and make sure they fully correspond to the list in the [Box Contents](#) section of this Manual, and no item is damaged or missing.
2. Charge the Device before attaching it to Wearer (for charging procedure, see **Charging the Device** section [below](#)).
3. Make sure the Wearer has read and understood the Quick Reference Guide.
4. Make sure the Mobile App is installed and properly configured on the Wearer's mobile device before the Wearer leaves your office.

4.2. Charging the Device

⚠ CAUTION: Do not charge the Device at ambient air temperatures below 0°C (32°F).

⚠ CAUTION: To charge the Device, use only AC adapter or power bank and USB A-to-USB C charging cable provided with the Device.

Charging procedure:

1. Connect AC adapter to USB cable.
2. Remove protective plug from Device's charging port.
3. Connect USB Cable to charging port.
4. Plug AC adapter in the electrical socket. Once plugged in, the charging process will start and the fade in & fade out green LED indicator will turn on. Full charging cycle normally takes 2 hours since the first low charge signal.
5. Once the Device is fully charged, the white LED indicator will turn on.
6. Disconnect the USB cable from the Device's charging port, then disconnect the AC adapter from the electrical socket.

i NOTICE: Once the battery charge is low, the red LED indicator on the front panel starts blinking. The Device then needs to be charged within 12 hours since the first low battery alert signal.

For more details on charging status indication, see [Device Light Indications and Alarms](#) section.

i NOTICE: We recommend charging the battery on a regular basis, at least 1 hour a day to avoid sudden discharge.

4.3. Assigning the Device

Before or after the Device is installed on the Wearer, it must be manually assigned to that Wearer in order to make tracking possible.

Assigning the Device consists of binding the Wearer's name to a specific Device using the Offender management Web App. As a result, the Device will be assigned to the Wearer for the duration of use.

To assign the Device, use the Offender Management Web App provided by the manufacturer, and follow the steps for assigning the Device, as prescribed by User Guide of a specific Web App.

4.4. Installing the Device on Wearer

Prior to installing the Device, make sure its battery is fully charged. See [Charging the device](#) for details on battery charging.

To install the Device:

1. From the set of bracelets, select a bracelet that matches the Wearer's ankle size.
2. Position the bracelet with contacts up and wrap it around the Wearer's ankle.
3. Align the two ends of the bracelet and press firmly until fully closed.

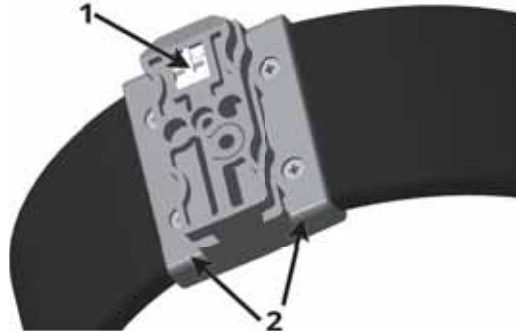


Fig. 5. Device bracelet, fully closed

1 - security contacts (must face up); 2 - bracelet ends

4. Make sure the space between the Wearer's ankle and the bracelet is sufficient but does not exceed 5 mm.
5. Position the Device with the bracelet socket open end facing downwards.
6. Slide the Device bracelet socket down onto the bracelet until stop.
7. Check the connection by gently pulling on it to make sure it is secure.
8. Check if the bracelet is in contact with the Device by viewing the Device status in your Offender management Web App.

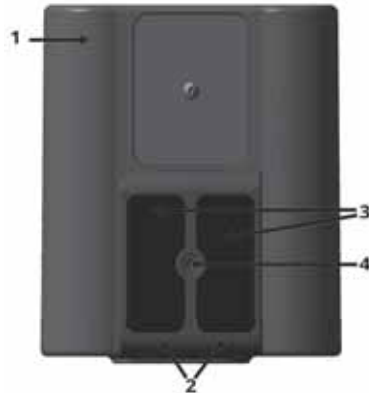
i NOTICE: Once the Device has been attached, make sure to give the accessories (AC adapter, USB cable, carrying bag, portable charger, and Quick Reference Guide) to the Wearer.

4.5. Removing the Device from Wearer

1. Cut the bracelet using safety scissors that have a rounded or blunt tip.

! WARNING: Risk of injury! When cutting the bracelet, exercise extreme caution so as to not cause injury to the Wearer! Use only safety scissors or a similar safety cutting tool.

2. Remove the Device with the bracelet from Wearer's ankle.
3. Pierce the keyhole (4) between the neoprene pads (3) using a key provided.



1 - Device case (rear view); 2 - bracelet ends; 3 - neoprene pads; 4 - keyhole

4. Press the key against the Device case and slightly move the bracelet ends downwards.
5. Remove the key from the keyhole and slide the bracelet downwards to remove it from the Device.

i NOTICE: Once the Device is removed, make sure that all the accessories given to the Wearer with the Device have been returned to you.

i NOTICE: Device bracelet is not reusable. Please collect used bracelets and send them to the Manufacturer for recycling.

As a rule, the device that is removed will need to be unassigned from Wearer before or after removal.

To do this, use the Offender Management Web App provided by the manufacturer, and follow the steps for unassigning the Device, as prescribed by User Guide of a specific Web App.

Once unassigned, the Device can be used again.

4.6. Device Light Indications and Alarms

The Device has built-in light indications. A built-in LED on the top panel of the Device indicates various statuses of the Device.

Indicator color & behavior	Device status
White, blinking every 3 seconds	Normal. Battery charge is sufficient
Red, blinking every 3 seconds	Device battery is low, needs charging
Green, fading in and out	Device battery is charging

In case of an emergency, violation or low battery charge, the corresponding alerts will be sent to the Wearer's Mobile App.