

attenti

attentifusion

# Tracker 100 and Beacon 100

User Guide

October 2023



Version	Comments	Author	Date
1.0	Initial release version.	Steve Graniewitz	18 October 2023

Information in this documentation is subject to change without notice and does not represent a commitment on part of Attenti Electronic Monitoring. The software described in this document is subject to the license agreement that is included with the product, which specifies the permitted and prohibited uses of the product.

Any unauthorized duplication or use of this documentation, in whole or in part, in print, or in any other storage or retrieval system is prohibited. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form by any means for any purpose other than the purchaser's personal use without the permission of Attenti Electronic Monitoring.

© 1995-2023 Attenti Electronic Monitoring. All rights reserved.

Unless otherwise noted, all names of companies, products, street addresses, and persons contained herein are part of a completely fictitious scenario and are designed solely to document the use of an Attenti Electronic Monitoring product.

---

## Contact Info:

### Corporate Headquarters:

Attenti Electronic Monitoring, 2 Ha-Barzel St., P.O. Box 13236, 61132 Tel Aviv, Israel.

T: +972-3-7671800 // F: +972-3-7671801 // U.S.A Customers, call 1-800-313-1483

Visit us at: [attentigroup.com](http://attentigroup.com)



# Safety Information

Please read, understand, and follow all safety information contained in these instructions prior to the use of this Attenti Electronic Monitoring device. Retain these instructions for future reference.

## Intended Use


This Attenti Electronic Monitoring device is part of an electronic monitoring system, which performs data transfer using cellular network to a monitoring platform. This device has not been tested for and is not intended for use on airplanes, in hazardous environments, in healthcare facilities, or where cellular phones or other intentional transmitters are restricted.

The functional operating temperature of the Tracker 100 is -20°C to +55°C. The operating temperature of the Beacon 100 is -20°C to +55°C. The storage temperature of the Tracker 100 is -40°C to +70°C. The storage temperature of the Beacon 100 is -40°C to +70°C.

Explanation of Signal Word Consequences	
 <b>WARNING</b>	Indicates a hazardous situation which, if not avoided, could result in serious injury or death.
 <b>CAUTION</b>	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and/or property damage.
<b>NOTICE:</b>	Indicates a situation which, if not avoided, could result in property damage.

Safety information for:


- Rechargeable hand-held/wearable devices
- Non-rechargeable hand-held/wearable devices
- Cradles/receivers/base units

 **WARNING**

Avoid placing a device next to an implanted electronic device (e.g., don't carry the device in a shirt or jacket pocket directly near an implanted device).

**To reduce the risks associated with fire or explosion:**

- Do not intentionally open or damage the device.
- Ensure storage temperature of device is within the range as specified in device manual.
- Do not attempt to access or replace battery. Battery is not user-replaceable. The device shall be opened by Attenti authorized service only.
- Do not use device outside of the specified operation temperature range.

 **WARNING**

**To reduce the risks associated with hazardous voltage:**

- Do not modify, decorate, or attempt to service the device. Return to Attenti authorized personnel or location for repair or service. There are no user serviceable parts.
- If the device or power cord becomes damaged, contact the agency representative from which you are monitored.

**NOTICE:**

- Only authorized personnel can turn off or remove the device.

Safety information for:

- Rechargeable hand-held/wearable devices
- Cradles/receivers/base units

**WARNING****To reduce the risks associated with hazardous voltage:**

- Do not modify AC/DC power adapter plug.
- Do not force the power plug into an outlet where it does not fit.
- Use only an Attenti provided AC/DC power adapter to recharge or power the device.
- Use only a Safety certified LPS AC/DC plug-in adapter with output rating 5 VDC, 2A.
- Do not unplug AC/DC adapter by power cord. Handle the adapter by the body only.
- Do not attempt to charge the device using an outdoor outlet. Only use the AC/DC adapter indoors.
- Do not expose power adapter to rain, steam or wet conditions.
- Do not submerge the device, or hold the device under running water, while it is charging.

**CAUTION****To reduce the risks associated with hot surfaces:**

- Do not touch thermal pads on device or charger if charging is interrupted.
- In ambient temperatures of 40°C, the wearable device's touch-temperature may reach 43°C.
- Do not charge the device in temperatures above 45°C.

Safety information only for:

- Rechargeable Hand-held/wearable Devices
- Non-rechargeable Hand-held/wearable Devices

**WARNING****To reduce the risks associated with fire or explosion:**

- Do not enter areas with potentially explosive atmosphere. Potentially explosive areas are often, but not always, clearly marked.



#### CAUTION

- Avoid installing the electronic monitoring device in the presence of ulcers, open wounds, blisters, swelling or skin infection over the expected area of contact with the electronic monitoring device.
- If the user reports pain, numbness or other symptom over the expected area of contact with the electronic monitoring device, a medical opinion is recommended prior to installation.
- If the user reports concerns about an underlying medical condition that could be exacerbated by use of the electronic monitoring device, a medical opinion is recommended prior to installation of device.
- If, during use, the user experiences skin changes or symptoms in the area in contact with the electronic monitoring device, the user should immediately contact their agency representative.

#### **Cancer Patients that have been treated with Radiotherapy:**

- Avoid installing the electronic monitoring device in the presence of radiation-induced skin changes (such as ulcers, open wounds, blisters, desquamation, erythema, hyperpigmentation) over the expected area of contact with the electronic monitoring device. Otherwise, there is no currently available evidence the use of the electronic monitoring device is contraindicated in cancer patients that have been treated with Radiotherapy.

#### **Pregnant women:**

- Avoid installing the electronic monitoring device in the presence of ulcers, open wounds, blisters, swelling or skin infection over the expected area of contact with the electronic monitoring device. Otherwise, there is no currently available evidence the use of the electronic monitoring device is contraindicated in pregnant women.

Safety information only for:

- Cradles/receivers/base units



#### WARNING

#### **To reduce the risks associated with hazardous voltage:**

- Do not submerge the device or hold the device under running water.

## WEEE



This symbol according to the European Directive indicates that the Waste of Electrical and Electronic Equipment (WEEE) must not be disposed of as unsorted municipal waste and must be collected separately. Please contact an authorized representative of the manufacturer or an authorized waste management company for information concerning the decommissioning of your equipment.

# FCC

**Tracker 100 FCC ID:** NC3Tracker-100

**Beacon 100 FCC ID:** NC3Beacon-100

## FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 STATEMENT

The equipment 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.

This device complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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:

1. Reorient or relocate the receiving antenna, 2. Increase the separation between the equipment and the receiver, 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected, 4. Consult the dealer or an experienced radio/TV technician for help.

Attenti Electronic Monitoring has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

## FCC SAR

The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/Kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized

For body worn operation, this model phone has been tested and meets the FCC RF exposure. Guidelines when used with an accessory designated for this product or when used with an accessory that Contains no metal and that positions the handset a minimum of 0mm from the body

The maximum SAR value is 0.506W/kg when the phone used 0mm close to user

# Table of Contents

1	Introduction .....	8
2	Operating the Tracker 100 .....	9
2.1	LED Indicators.....	9
2.1.1	Power LED Indication.....	9
2.1.2	Attention LED Indication During Tracking Mode .....	9
2.2	Charging the Unit .....	10
2.3	Tracker 100 Power Pack .....	10
2.3.1	Power Pack LED Indication.....	11
2.4	The Beacon 100.....	11
2.5	General Rules for the Offender .....	11

# 1 Introduction

The attentifusion Tracker 100 is a body-worn device designed specifically to monitor offenders participating in GNSS tracking programs.

The system integrates tracking, communication, and mapping technologies that enable operators to efficiently track offenders at varying levels of intensity.

Each monitored offender is assigned a tracking unit which continuously gathers location data in real-time. The Tracker 100 stores and processes the location data and communicates with the monitoring center to report the whereabouts of the offender or alert in the event of a violation. Alerts are configured according to the offender's individual schedule and zone restrictions.



Figure 1: attentifusion Tracker 100

## 2 Operating the Tracker 100

There are a number of basic functions that are designed for your use when participating in monitoring programs. These are explained in the following sections.

### 2.1 LED Indicators









The Tracker 100 features two LED indicators that inform the offender of the unit's status. If vibration notification is enabled, the Tracker 100 vibrates in order to prompt the offender to check the status of the LEDs.





Figure 2: LED Indicators

The following sections explain the Tracker 100's LED indication during regular operation and during the installation sequence.

#### 2.1.1 Power LED Indication

LED Indication	LED Pattern	Status Description
	 Solid red	The Tracker 100 is connected to the charger and is not yet fully charged.
	 Solid green	The Tracker 100 is connected to the charger and the battery has been completely recharged. You may disconnect the charger from the Tracker 100.
	 Flashing green (once every 10 seconds)	The Tracker 100 is functioning and its battery is not low.
	 Flashing red (once every 6 seconds)	The Tracker 100's battery is low and needs to be charged.

#### 2.1.2 Attention LED Indication During Tracking Mode

LED Indication	LED Pattern	Status Description
	 Flashing red (once every 3 seconds)	The Tracker 100 has generated an event that is configured to notify you.

## 2.2 Charging the Unit

You should charge the Tracker 100 for at least two hours per day using the power adaptor supplied.



Figure 3: Tracker 100 Power Adaptor

## 2.3 Tracker 100 Power Pack







The Tracker 100 Power Pack is a dedicated attachment including a rechargeable battery that fits to the bottom of the Tracker 100. The Power Pack connects to a wall mount power supply that recharges its battery when not in use.

When attached to the Tracker 100, the Power Pack charges the device while allowing you to go about your daily routine unhindered.



Figure 4: Tracker 100 Power Pack

### 2.3.1 Power Pack LED Indication

LED Indication	LED Pattern	Status Description
	 Solid red	The Power Pack is connected to the charger and is not yet fully charged.
	 Solid green	The Power Pack is connected to the charger and its battery has been completely recharged.
	 OFF	The Power Pack is disconnected from its charger.

## 2.4 The Beacon 100

The Beacon 100 is an RF device that monitors your presence in the curfew area. Once installed, do not disconnect or move the beacon curfew unit.



Figure 5: Beacon 100 Curfew Unit

## 2.5 General Rules for the Offender

The following are general Tracker 100 monitoring program rules for the offender:

- Whenever the tracking unit vibrates, **you must check the LED indicators** on the top of the device.
- Whenever you receive notification that indicates that you need to perform a task, **you must comply**.
- **Never** attempt to open the tracking unit.
- **Never** attempt to open the tracking unit's strap.
- **Never** attempt to cut or break the tracking unit's strap.
- **Never** attempt to disconnect or move the beacon curfew unit.
- **Never** leave the designated curfew site during the curfew time frame.
- **Never** attempt to tamper with the tracking unit. Tamper attempts will be reported to the monitoring center and will be considered a violation of your program.