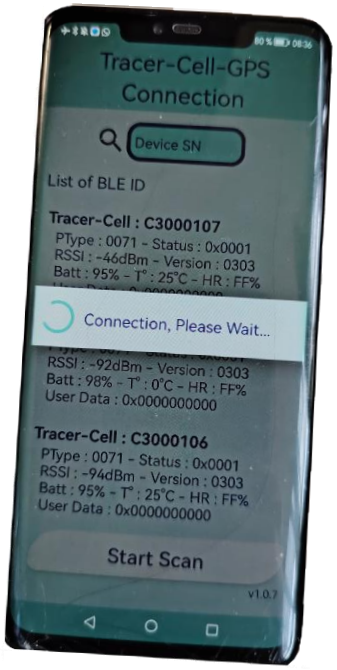
ineo·sense
BRINGING SENSE TO WIRELESS

# User Guide

***Object*** This document briefly presents the functions and uses offered by the Android mobile application INS-TRACER-CELL-GPS.



# Summary

# Revisions

| Version | Date | Contributeur(s) | Changements |
|---|---|---|---|
| 01.00 | 2025-03-24 | MSA | First Release |

# Document approval

| Version | Redaction | Review | Validation |
|---|---|---|---|
| **NAME** | MSA | | |
| **FUNCTION** | App Dev | | |
| **DATE** | 2025-03-24 | | |
| **VISA** | | | |

# Reference Documents

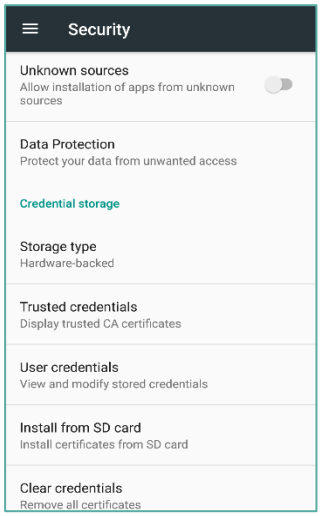
| Ref. | Title | Designation |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

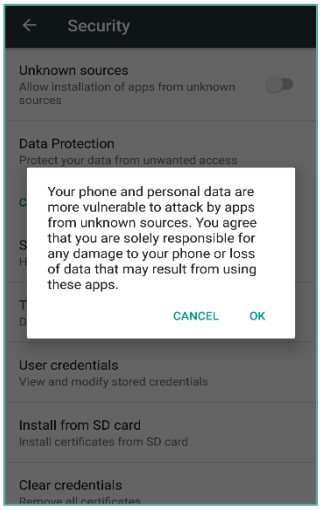
Source : SUPP_UG0003_INS-TRACER-CELL-GPS_C3_01.00_EN_2503.docx

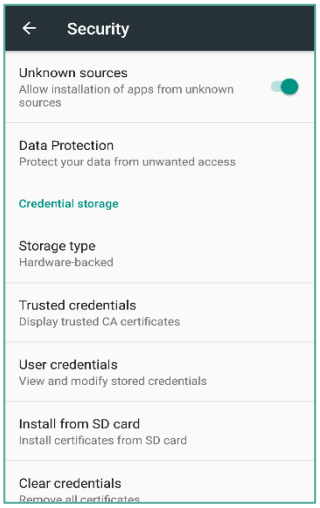
# 1. Dowload & Installation

Allow installation of apps from unknown sources in your mobile security settings.

## 1.1. Allow unknown sources applications




## 1.1. APK download link

Download from target Android smartphone:

https://ineo-sense.com/downloads/INS_Tracer_CELL_GPS_v1.apk

## 1.2. Installation

Find the APK file on the SmartPhone, open it and follow the instructions.

An icon will be created on the home screen once the installation is complete.

# 2. Find Tracer-Cell-GPS & Connect

***IMPORTANT*** It is necessary to have Bluetooth and location enabled and to have accepted the permissions requested during the first launch.

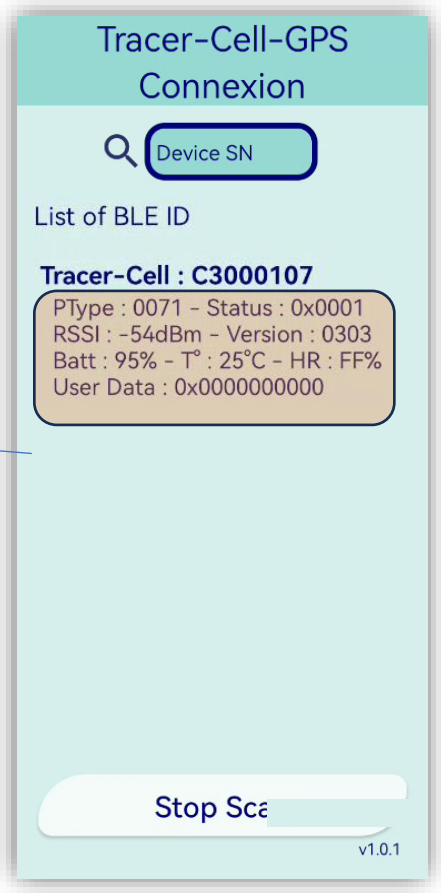
When launching the application, the ACS-Padlock-II scan starts directly.

Each time a device is found, it will appear on the screen as shown opposite.

To connect to Tracer-Cell-GPS, click on the product's serial number or information.

A loading popup will appear to inform the user that the connection is in progress.

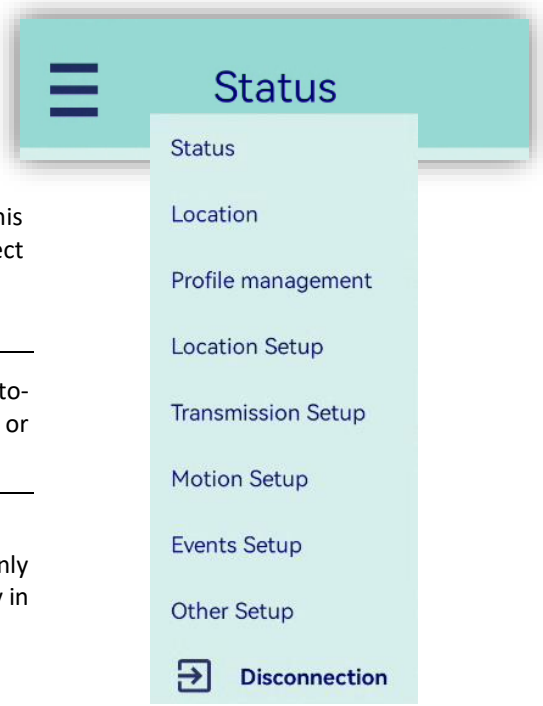
Enter the BLE PIN code if requested (default is 123456). In case the device does not connect directly after entering it, simply click on it again.



# 3. Screen presentation

## 3.1. Generalities

### 3.1.1. Navigation




The Burger Menu is available at the top left of all pages. This menu allows direct access to a page, as well as disconnect from the device.

***NOTE*** In addition to the Burger Menu, screen-to-screen navigation can be done by swiping left or right, in a circular way.

Each time you arrive on a page, the information is only collected from the device one second later for more fluidity in the swipe and to only stop on the desired screen.

### 3.1.1. Application of confguration modifications

Any change on a screen causes the Bluetooth icon to change to blue.
This indicates that changes are pending, to be sent to the device.
Once the changes have been entered, click on the Bluetooth icon to configure the device accordingly.
Once done, a popup indicates the end of the operation and the icon turns gray again.

**This principle is true on all screens.**

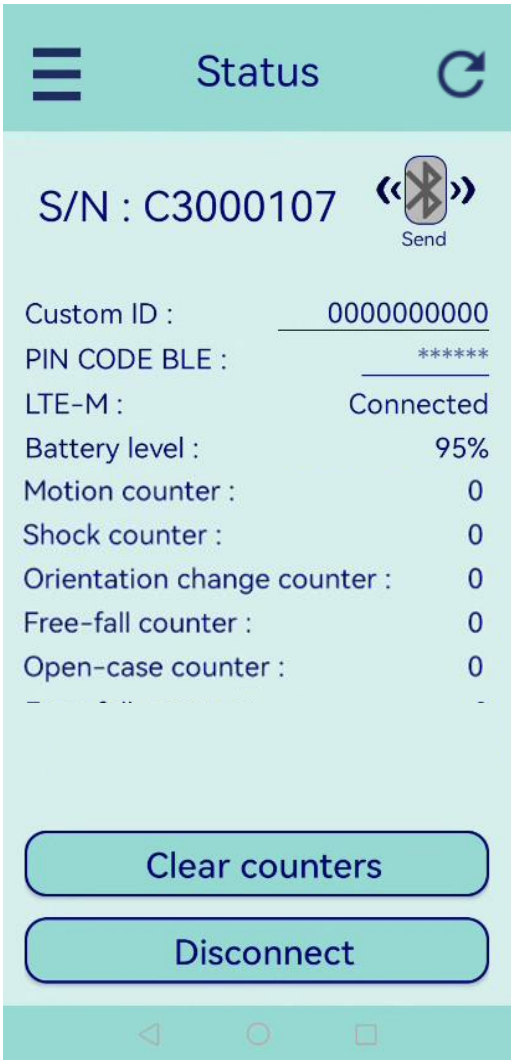
### 3.1.2. Refreshing the data displayed

A refresh button is available on all screen. Clicking on it will replay the reading of the parameters (like when the screen is loaded).

## 3.2. Status

Once the connection has been made, the Status page is opened.

On this creen, the user will find a range of information relating to the status of the product.




It is possible to modify :

***Custom ID*** ..... 10 hexadecimal characters

***PIN CODE BLE*** ..... 6 number

The other articles of association carried forward are :

***LTE-M*** ..... Current status of JOIN to a network

***Battery level*** ..... Remaining battery level

***Motion counter*** ..... Number of motion events detected

***Shock counter*** ..... Number of shock events detected

***Orientation counter*** Number of orientation change events detected

***Free-fall counter*** ..... Number of free-fall events detected

***Open-case counter*** . Number of Open-case events detected

The 2 buttons below have the respective function of reset the 5 detections mentioned above and disconnect from the product..

***ATTENTION*** Don't forget to click on the blue Bluetooth icon to apply the changes.

## 3.3. Location

On this page, users will be able to see the latest GNSS, WiFi sniffing and LTE-M locations.

If no location information is available, a simple text will be displayed: « No location ».

In the opposite case, the text will be purple and underlined because it offers the user the possibility of clicking on it to open a map application such as Google Maps in order to compare the GPS point given by the Tracer-Cell and the GPS position of the phone.

The two buttons allow the user to send a location frame using :

- ***Wifi sniffing***
- ***GNSS***

## 3.4. Profile management

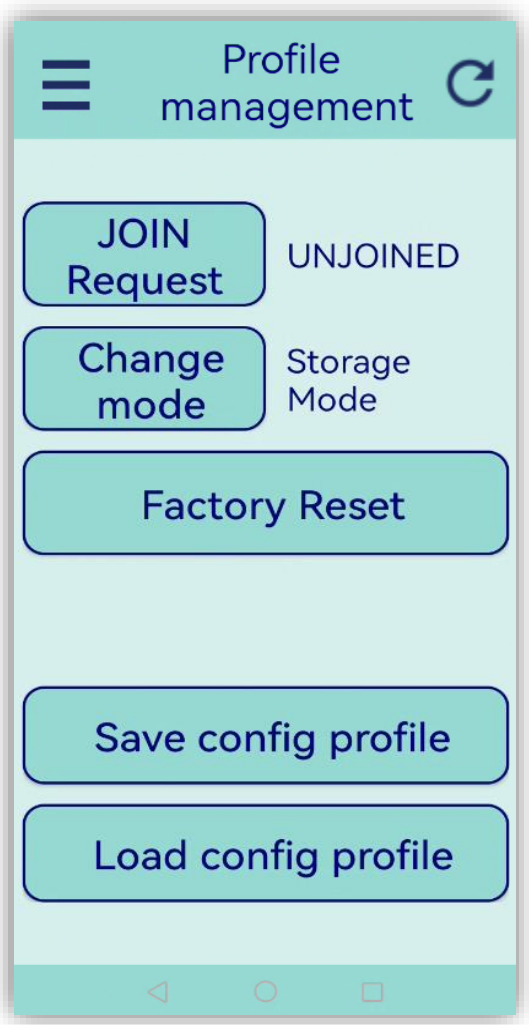
This screen permits to launch a LTE-M JOIN request by clicking on the **JOIN Request** button. If the ACS-Padlock-II is already JOINED, clicking on this button will make it launch the JOIN procedure again.

The **Change mode** button aims to switch between the operation mode ("Run Mode") and the Standby mode ("Storage Mode").

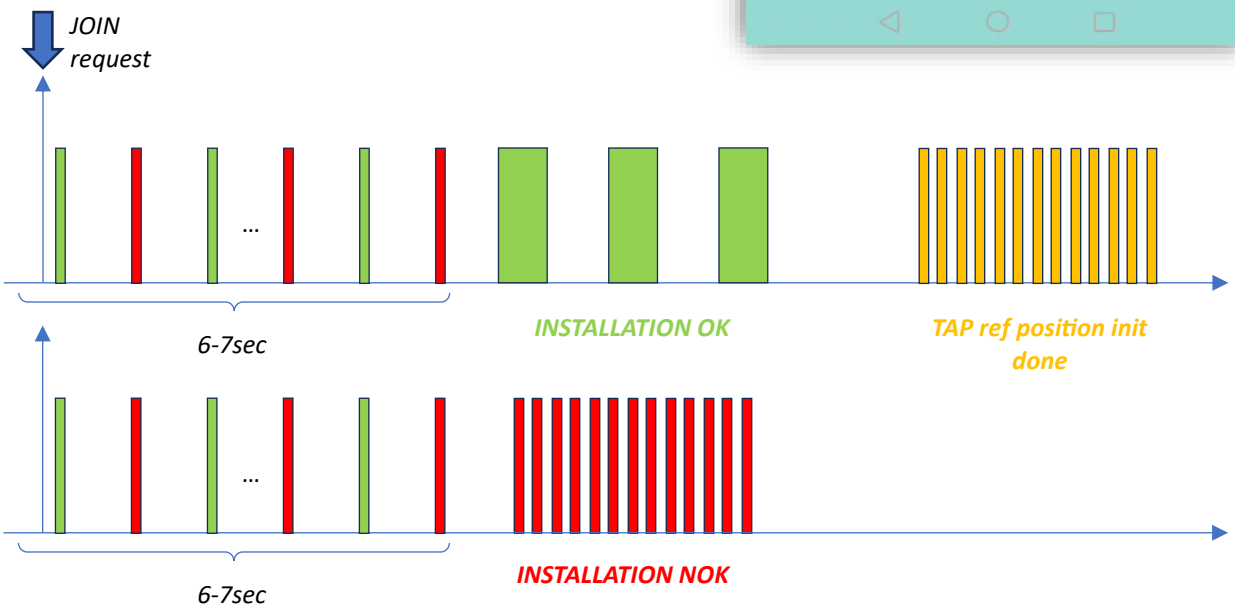
The **Factory Reset** button allows you to return the device to its default configuration.

Clicking on **Save config profile** will prompt the user to enter a file name that will contain the current device configuration profile.

Clicking on **Load config profile** will allow the user to choose a previously saved file in order to load the configuration into the device.




***Reminder of JOIN OTAA sequence***



## 3.5. Location Setup

On this screen, users can activate or deactivate Wifi or GPS location using the two associated buttons.

The user can also define the periods associated with the events using the associated drop-down lists.

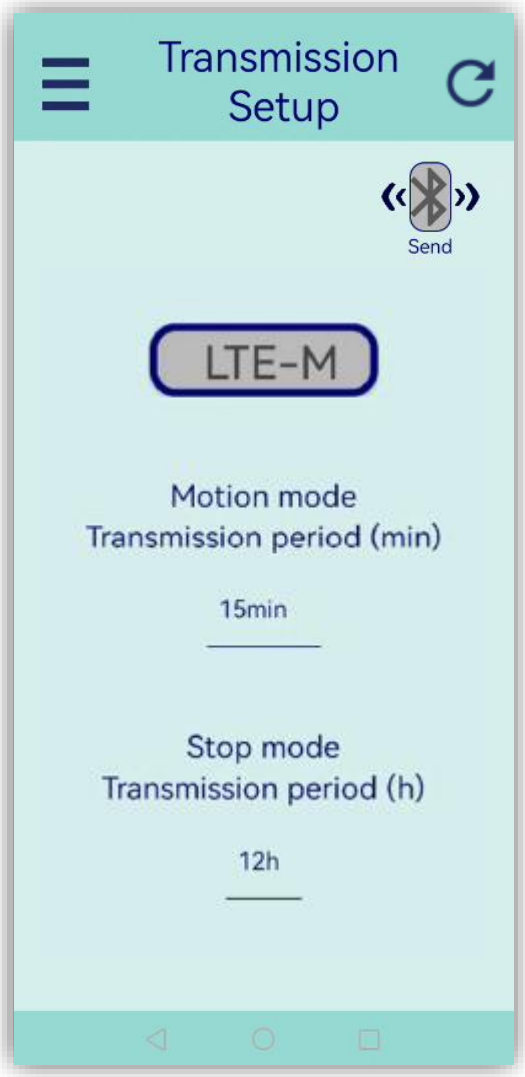
***ATTENTION*** Don't forget to click on the blue Bluetooth icon to apply the changes.

## 3.6. Transmission Setup

This screen enables you to activate LTE-M transmissions by clicking on the **LTE-M** button.

It is also possible to choose the periods for automatically sending Motion and Stop event frames using the associated drop-down lists.

***ATTENTION*** Don't forget to click on the blue Bluetooth icon to apply the changes.

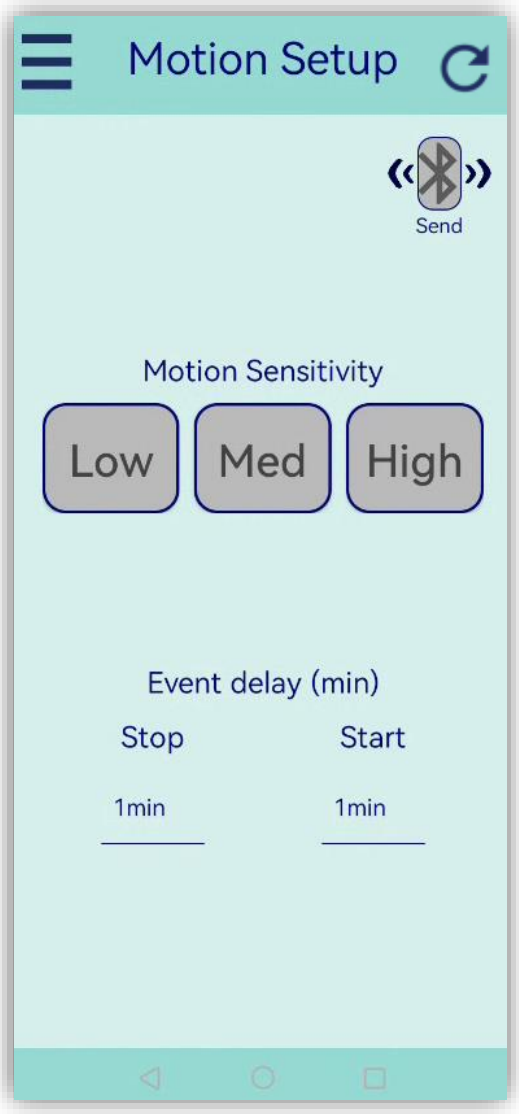


## 3.7. Motion Setup

On this screen the user can adjust the sensitivity of Motion events by clicking on one of the 3 associated buttons.

They can also modify the delay of associated events using the drop-down lists.

***ATTENTION*** Don't forget to click on the blue Bluetooth icon to apply the changes.



## 3.8. Event Setup

This screen shows how events are managed, whether they are sent during a location event or during an LTE-M communication.

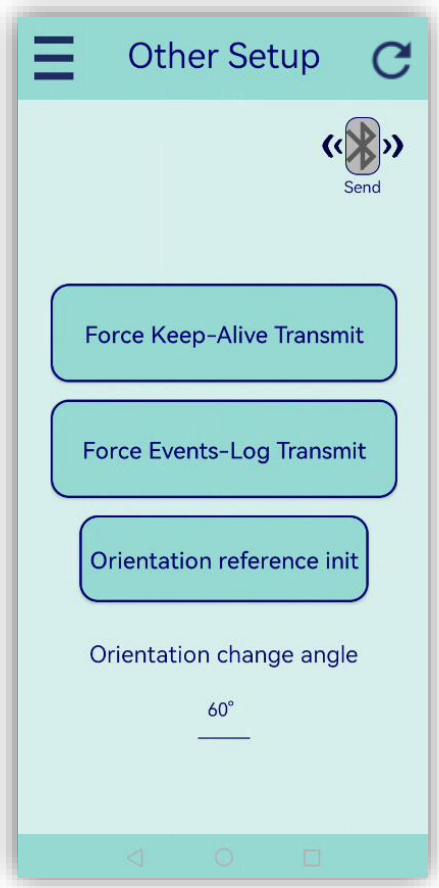
***ATTENTION*** Don't forget to click on the blue Bluetooth icon to apply the changes.

## 3.9. Other Setup

This screen allows the user to force a frame to be sent :

- ***Keep-Alive***
- ***Events-Log***

It can also be used to initialise the reference used to detect changes in orientation and the associated angle using the drop-down list.




***ATTENTION*** Don't forget to click on the blue Bluetooth icon to apply the changes.