



# ANTI-KIDNAP PROFESSIONAL

## Manual - Help

### Getting started



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To operate Anti-Kidnap professional successfully, you have to be owner of a Texas Instruments Sensor-Tag device, which is a BLE 4.0 (Bluetooth Low Energie) sensor not much larger than a

keyring! You can purchase and order the SensorTag directly form Texas Instruments online store, you will receive it in around 3-4 shipping days worldwide !! You can use it with other apps

form iTunes too !

Please purchase it at TI e-store here: [Texas Instruments ehsop store](#)

**Order it now !**

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### How it works

The Texas Instruments SensorTag keyring size Bluetooth low energy 4.0 tag device is unbelievable great, it runs with a single coin battery for years, it has several sensor like gyroscope, humidity, temperature e.g. and two buttons. Anti-Kidnap professional uses

these two buttons on the tag to initiate communication between the app and the SensorTag! Once a button is pressed a Test initiated or a real SOS GPS email is fired up including your current position data, which can be viewed by the trustful recipient in a online maps system! The remote activation of

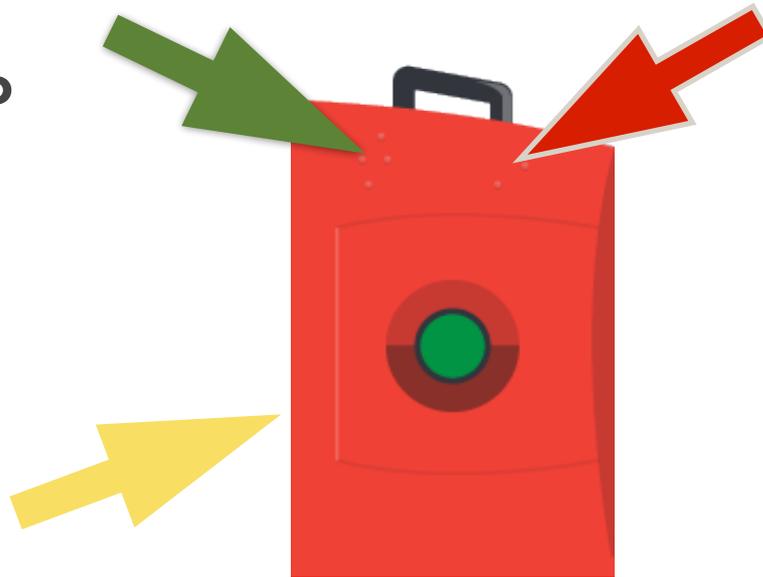
these actions via the SensorTag buttons works with in a range of 1-10 meters concerning walls and layer or other environmental influences.

**Bluetooth option on and 3G on, on your iPhone's settings are required.**

**Test connection to the app!(left button)**

**On/Off switch, pairing button**

(on the left side of the housing)



**Fire SOS GPS email !(right button)**

SensorTag image: Texas Instruments:  
Content is available under Creative Commons Attribution-Share Alike 3.0 license unless otherwise noted.[http://processors.wiki.ti.com/index.php/File:SensorTag\\_assembly.png](http://processors.wiki.ti.com/index.php/File:SensorTag_assembly.png)

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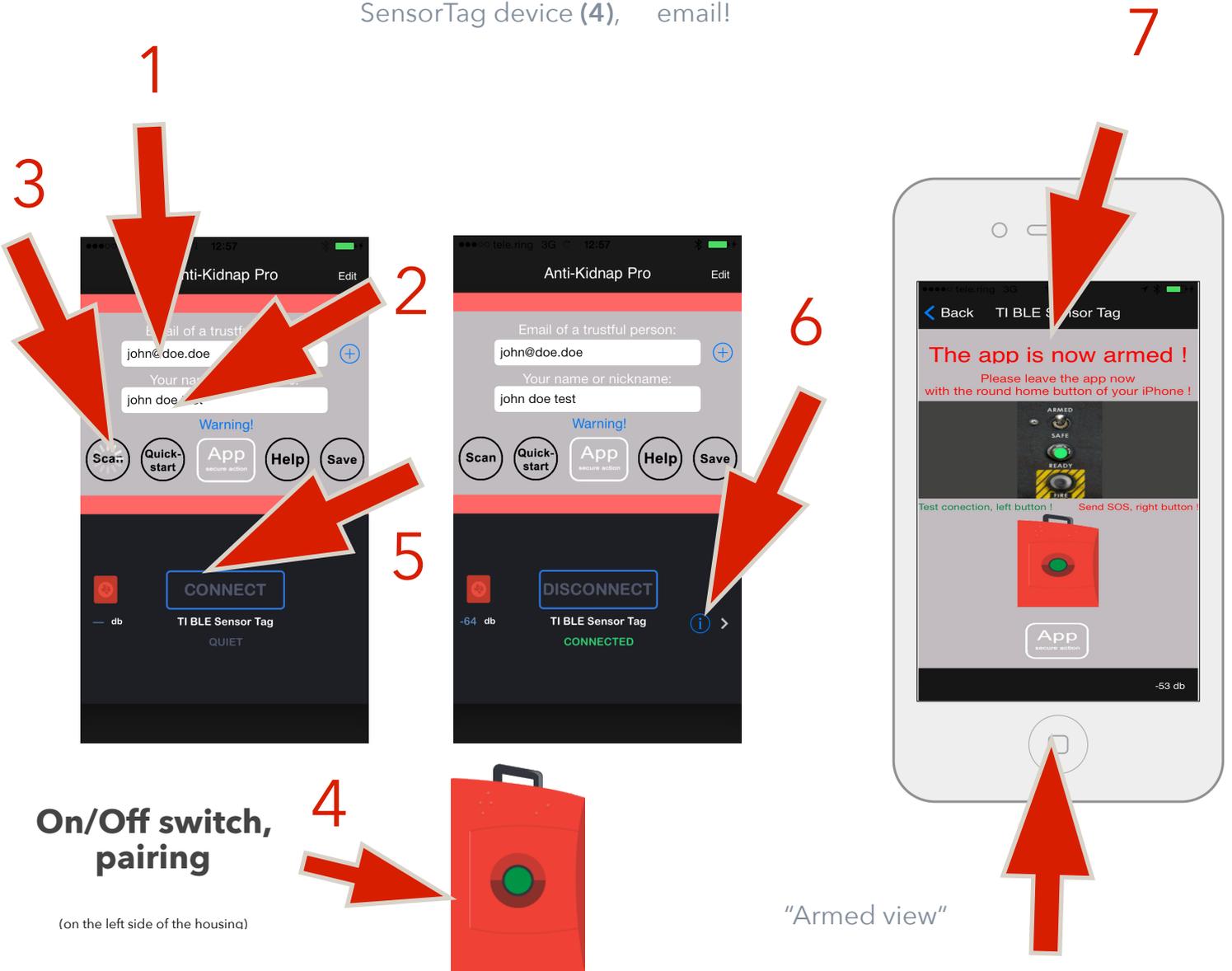
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### Setup the app

Please enter a email **address of a trustful person (1)**, who will receive you SOS GPS email, inform the trustful person about this fact !  
Enter your **name or nickname (2)** now you can use the scan button **(3)** to scan for SensorTag devices, Switch on your SensorTag device **(4)**,

the On/Off button is located on the left side of the housing!  
Connect **(5)** to the device with the connect button!  
Once it is connected, select it **(6)** and slide on to the "app armed view" **(7)**!  
Now you are ready to test the connection or to fire a SOS GPS email!

**Important:**  
If you want to run the app in background mode, you just have to press the round home button **(8)** of your iPhone now! To let it work successfully you have to always do this in the „app armed view“!!!!



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### Alarms, SOS GPS email

If you run the app in background mode (leave the app in the "armed view" with the round home button of you iPhone. Several different push notifications are generated:

Test connection notification (left button pressed once)

Preparing SOS GPS email (right button pressed once)

Around 4 seconds later the SOS GPS email will be sent ! (if no error occurs !)

If the app was not able to send the SOS GPS email, an error

notification will be displayed ! An error could happen if no Internet-connection is available, the i-formula servers are down (unlikely) No error notification will be displayed if the TI SensorTag was disconnected



Test notification left  
SensorTag button



Preparing SOS email  
notification right SensorTag  
button



SOS successfully send  
confirmation notification

Original SOS GPS email looks like:

Alert! From Anti-kidnap professional iPhone app

Alert !! The user of the iPhone app Anti-Kidnap Professional: JohnDoetest Last known GPS position (Latitude, Longitude): 61.773123,-120.410156 Position readable on the map: <http://maps.google.com/maps?f=&q=61.773123,-120.410156> registered your email-address as a confidential person of himself and is in a real case of

emergency !! Please start to proceed the safety procedures, as previously arranged with him personally now !! The users has send this email form his iPhone ip-address: 192.168.00.152 Automated email from the iPhone app anti-kidnap

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### Range, Disconnection

The range of the TI SensorTag can be up to 6 meters, but can also decrease to 1 meter by walls, reinforced concrete, layers cloths, electromagnetic fields, environmental influence

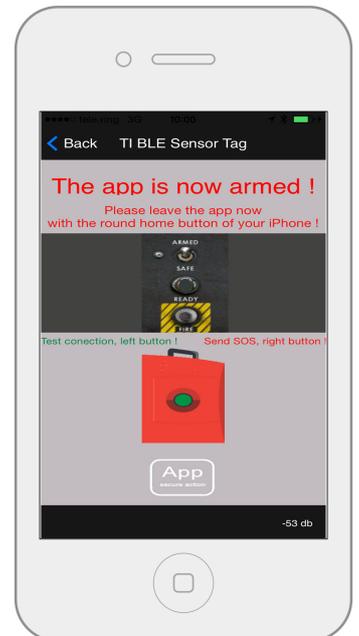
To get a feeling for the distance  
Connect to the SensorTag with the app as described

before and stay at the "app armed view", now take the iPhone and leave the SensorTag at its place and move away slowly. If you reach the end of the range a beep and a alert message will be displayed in the "armed view"  
It is a good idea to test it this way to get a range feeling !

If the SensorTag is disconnected from the iPhone a notification appears and a warning email is sent. The armed flashlight in the armed view stops flashing !



1-6 meters tested



"Armed view"

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### Installation of the TI SensorTag

Once the Texas Instruments SensorTag arrived at your home after 3-4 days you already have purchased at the Texas Instruments e-store installation is easy !

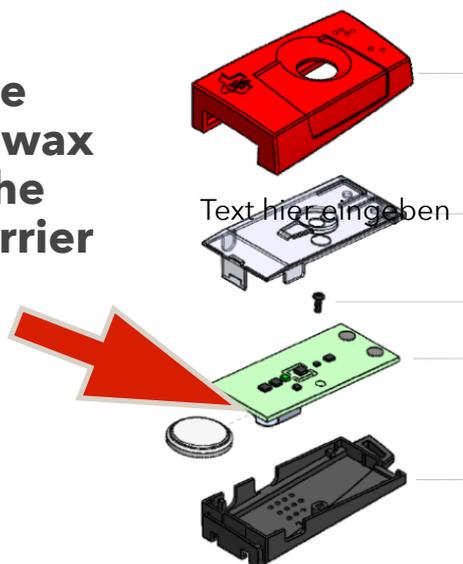
Unpack it, follow the TI SensorTag installation manual !

Put the coin battery in the silver battery carrier on the board, put the board in the plastic housing, place the screw and screw it slightly. Put the rubber housing

around the plastic housing. Press the On/Off button once for a short time (click). If everything was done correctly you now can see a small green light blinking fast at the bottom of the circle transparent area of the frontside of the housing. If you have daylight just cover a part of it with you hand to discover the green light flashing. (It is the BLE pairing light) If you want to switch off the device just hit the On/Off button again !

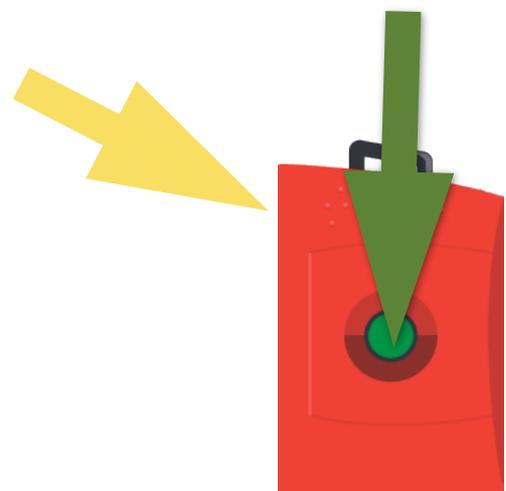
In our testings in rare cases there was a kind of wax from the soldering process at the inner side of the battery carrier, actually on the minus pole (silver center circle area inside the carrier, on the board) Texas Instrument explains this fact also in its manual and advises to move the battery in and out for several times to get the device work. Experts can also use a nail file to remove the wax.

**Remove soldering wax inside the battery carrier**



**On/Off switch, pairing**

**Green blinking, pairing light On/off visual control**



SensorTag image: Texas Instruments: Content is available under Creative Commons Attribution-Share Alike 3.0 license unless otherwise noted. [http://processors.wiki.ti.com/index.php/File:SensorTag\\_assembly.png](http://processors.wiki.ti.com/index.php/File:SensorTag_assembly.png)

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### Experts advice

Test the app with the TI SensorTag before first use. Send a SOS GPS email and check if the trustful Person email address received it, think of spam folder !

Carry the SensorTag as near to your iPhone as possible, in your jackets pocket, handbag or keyring.

If you separate the iPhone from the SensorTag out of its range the system will be disconnected and will not work again until you manually reconnect it !

Always be sure you have left the app from the "armed view" if you leave the app in another view like the setup connect view, the app will not work!

The best strategy to avoid crime is retreat ! Always additionally call the police or other authorities if possible !!

Inform the trustful person about your app and your SOS GPS email app system !

Texas Instruments says battery life of the SensorTag is up to years, always check the status of the battery before use !

Think of that this app and the TI SensorTag are high technology products, magnetic field or high voltage energy, environmental influences may leads to malfunctions and errors.

If you are unsure which of the two buttons you should press in an emergency situation, left or right button, press both buttons several times

Push notifications are now silent since the iOS 7, to provide these notifications with sound and vibration goto iPhone's settings,

notification center, choose Anti-Kidnap Professional and activate sounds

### Use the latest TI SensorTag firmware

revision 1.5.0 (Oct.23 2013), you can upgrade your SensorTag using the official TI SensorTag app:

[https://  
itunes.apple.com/app/  
ti-sensortag/  
id552918064?mt=8](https://itunes.apple.com/app/ti-sensortag/id552918064?mt=8)

Select your SensorTag and select green „upgrade FW“ button at the bottom of the view.

If you need help with the installation or ordering the TI SensorTag please contact us:

[office@i-formula.com](mailto:office@i-formula.com)

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### Warnings, exclusion of warranty, liability and guarantee !!

!Exclusion of liability !  
Exclusion of warranty  
and guarantee !

That powerful validation, and our reputation for safety, durability, reliability, and ease of use, has also driven our consumer dedication further than ever anticipated. Moving forward, our commitment to "Perfection" remains steadfast: we will never compromise quality. We will continue to invest tremendous resources in the technology and talent necessary to improve our products wherever possible; and we will always strive to deliver maximum customer satisfaction!

Changes as well as spelling and typing errors may appear, the author of this document is not responsible for these errors. The manual is a "living document", which is constantly expanded and improved! Exclusion of damages claims, warranty - !Exclusion of liability ! Exclusion of warranty and guarantee !

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