User Manual for the SPY and NEMO Detectors and the ATROPA Application ver. 1.0







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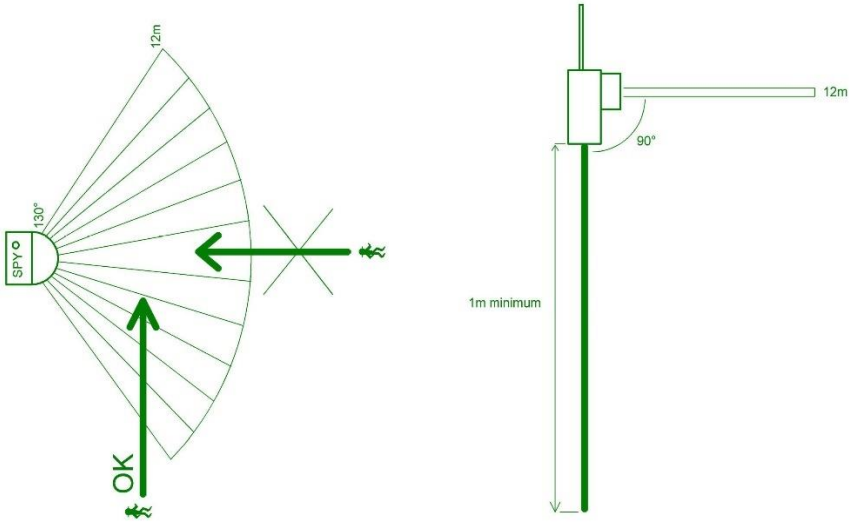
6 - SPY BT technical specifications and manufacturer information.

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1 – Description, operation and installation of the SPY BT motion detector

The **Atropa Spy BT** detector is a volumetric infrared detector with a 130° x 12 m detection range, transmitting alarms and other operating parameters via Bluetooth™ to an Apple or Android smartphone.

Due to the detection angle, the detector must be mounted at the following height and tilt in order to avoid detecting animals passing in front of the detector.



Optimal detection occurs with movement perpendicular to the detector. Indeed, because of the use of a Fresnel lens with a flat detection zone (130° over 12 m by 2 cm), any movement directly towards the detector is only detected at approximately 3 m (see diagram).

A volumetric IR detector is by definition sensitive to variations in infrared radiation movement. The SPY BT is therefore optimized for nighttime use and not for daytime use between shade and sunlight, or inside a vehicle during the day, in order to avoid false triggering.

It is equipped with a blue detection LED to test its proper installation, and this LED can be turned off remotely via the application, making it invisible at night.

Bluetooth disconnection systematically re-enables the operation of the built-in blue LED.

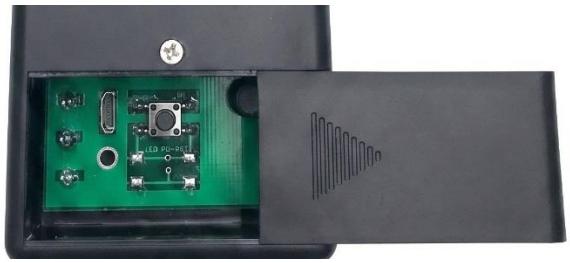
The SPY BT can also be switched off remotely, again via the application. Its radio range is approximately 150 m in open terrain, depending on weather conditions. Obstacles reduce the transmission range.

Its battery life is approximately 1 month in continuous operation.

Cutting off its power supply by a long press on the built-in push button triggers a "Connection Loss" alarm on the phone application.

2 – Starting up the SPY BT detector

The SPY detector is switched on by a short press on the push button located behind the battery hatch at the rear of the detector. It is switched off by a long press on this same button, or more simply via the application on your smartphone.



The included lithium battery is also recharged behind the battery hatch using the supplied USB -> micro USB type B cable. The built-in LEDs indicate the charge status as follows:

Low battery detected



Battery charging



Batterie charged



3 - Installing the Atropa application from the Apple Store™ and setup on iPhone

The Atropa application can be downloaded from a link on the Atropa website http://www.atropa-technologie.com/ or directly from the Apple Store™.

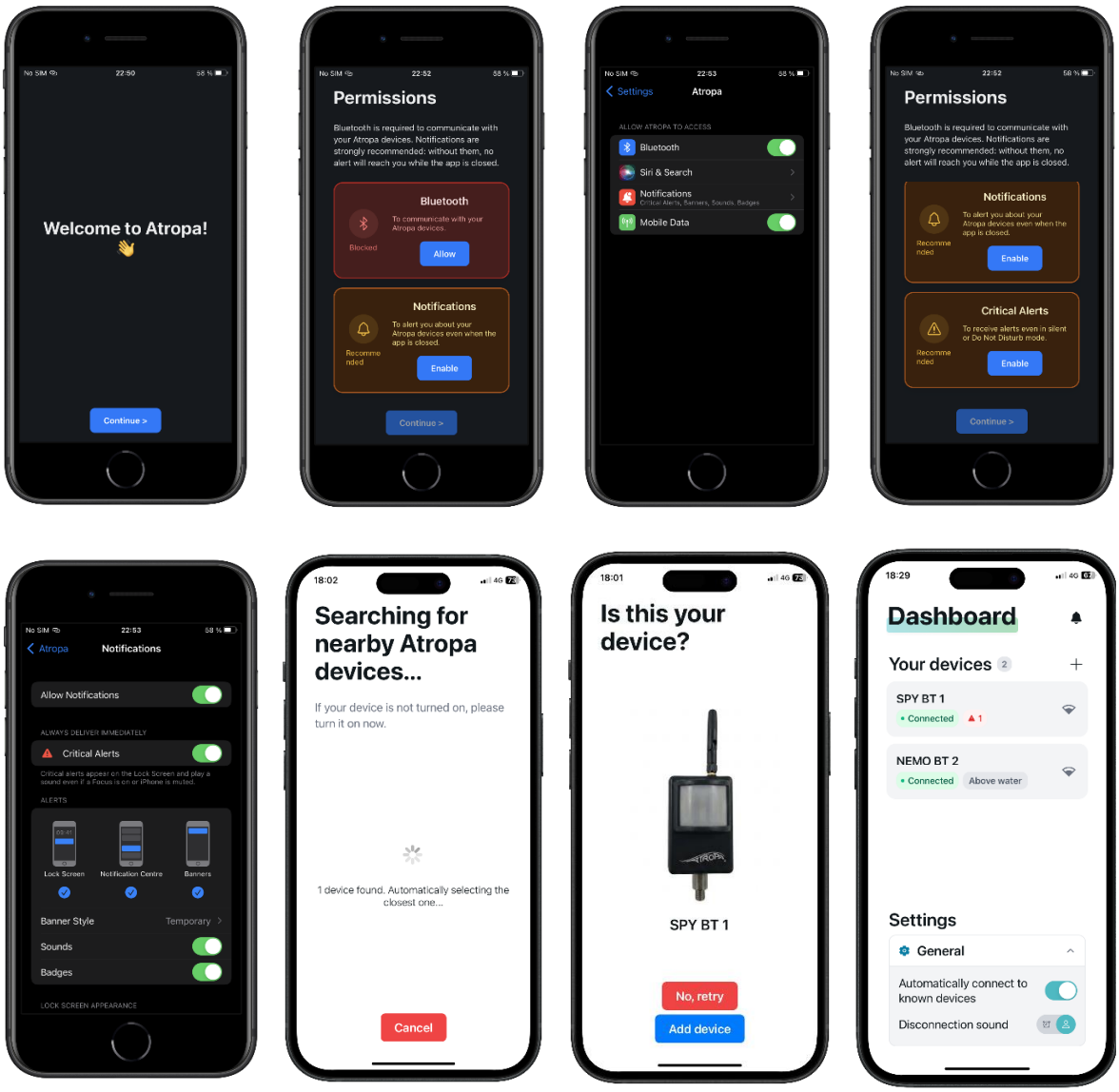
After downloading, you will need to configure your iPhone™ according to the following steps to launch the application and take full advantage of its features and those of your Spy BT.

The Atropa application is compatible with iPhones™ running iOS™ version 15.8.7 and later.

Step 1 : Start your SPY BT with a short press on the built-in push button. The blue LED starts flashing and the built-in buzzer sounds intermittently.

Step 2 : Launch the Atropa application 

Then follow the instructions and prompts on the screen.



Step 3 : check the application settings and search for your devices…

The application is now functional on your iPhone. Your SPY BT has been memorized and you will receive its alarms.

You should now refer to section "**5 – Operation of the Atropa application on iPhone or Android**" for the operation of the application, which is the same for Android and Apple.

4 - Installing the application from the Google Play Store™ and setup on Android

The Atropa application can be downloaded from a link on the Atropa website http://www.atropa-technologie.com/ or directly from the Play Store.

After downloading, you will need to configure your Android device according to the following steps to launch the application and take full advantage of its features and those of your SPY BT.

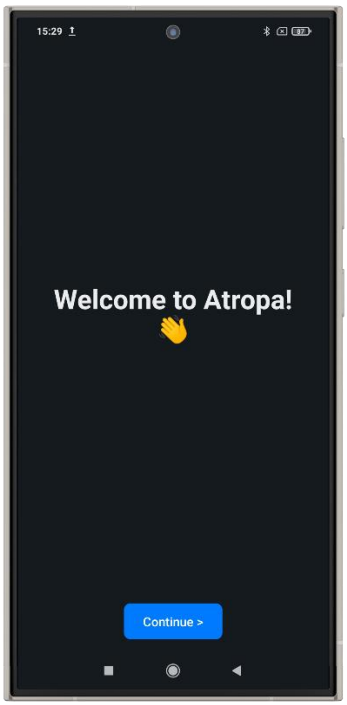
There are several versions of Android which may vary slightly.

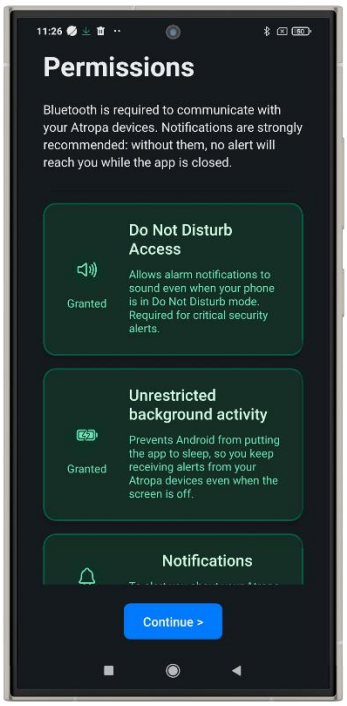
<u>When your smartphone goes into sleep mode, it must do so with the Atropa application open, and you must close all other background applications so that the Atropa application is not closed by Android, which could disconnect all of your registered detection devices.</u>

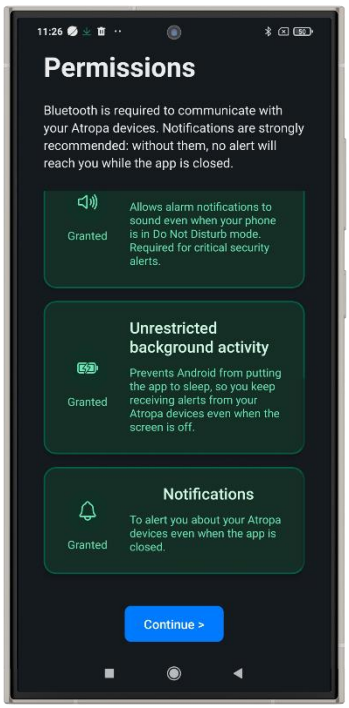
Step 1 : Start your SPY BT with a short press on the built-in push button. The blue LED starts flashing and the built-in buzzer sounds intermittently.

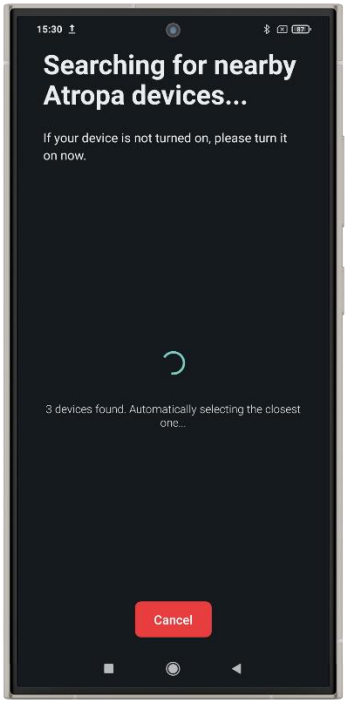
Step 2 : Launch the Atropa application 

Then follow the on-screen instructions and prompts.

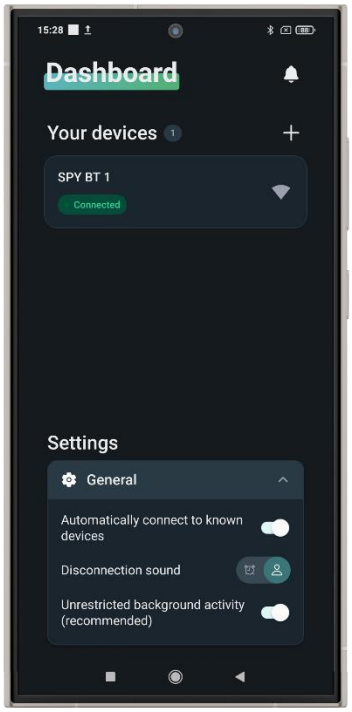




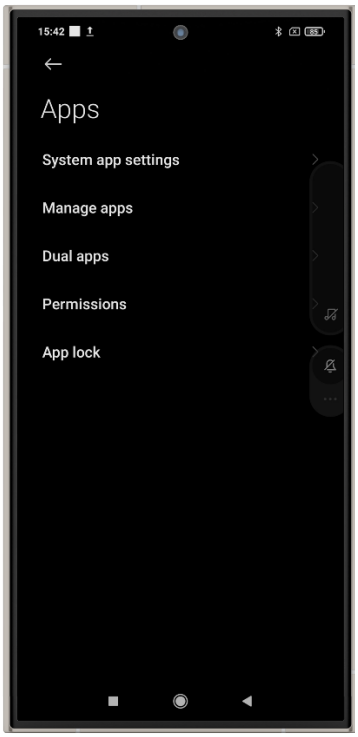


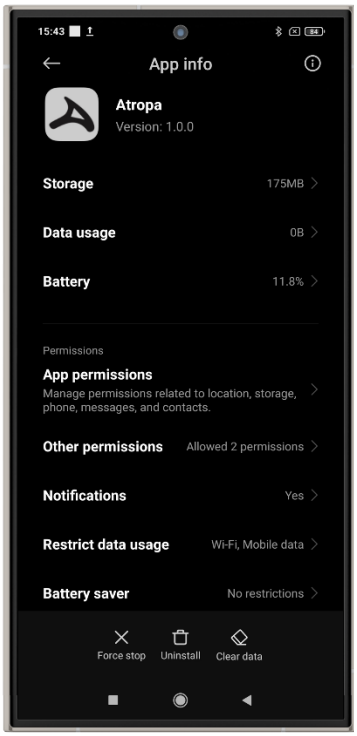


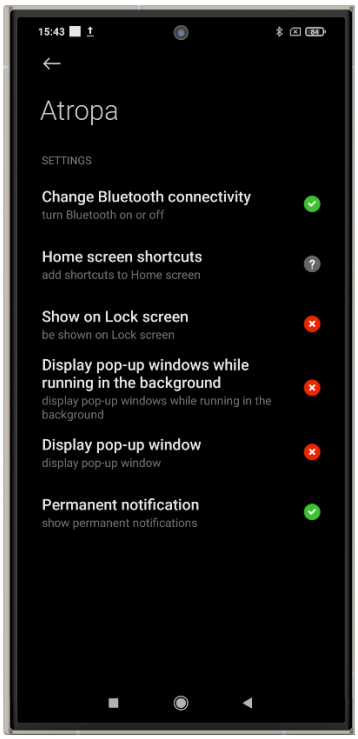


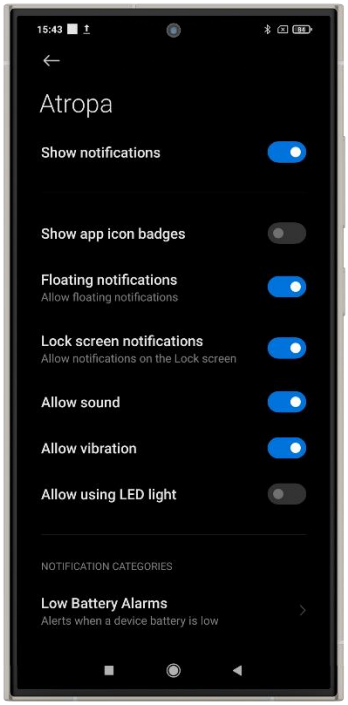


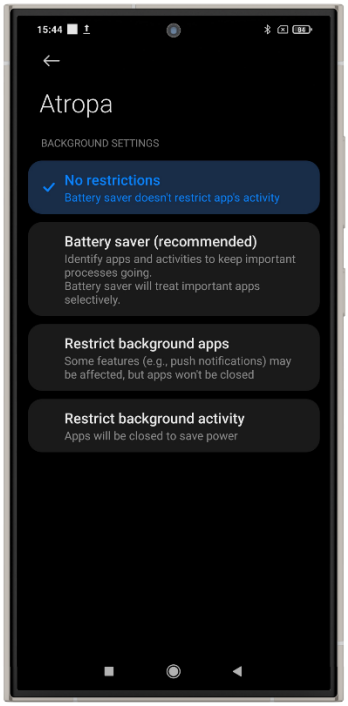
Step 3 : Then adjust and check the ATROPA application settings in "Applications" for notifications, battery and each type of alarm.

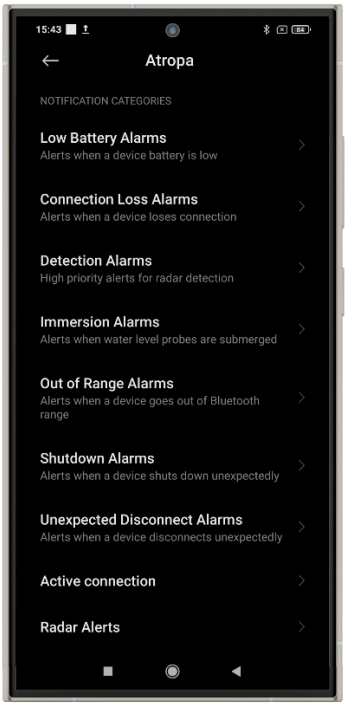


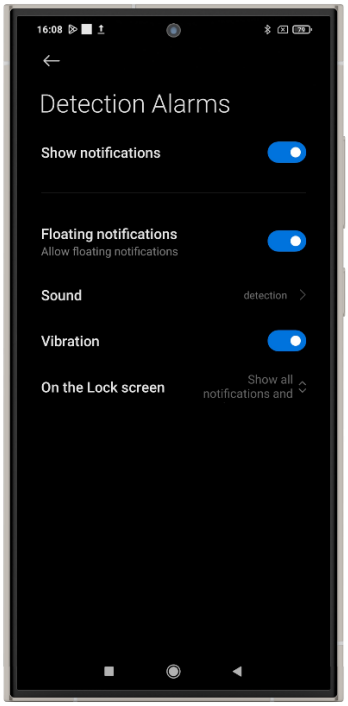












……Check other alarms notifications too

The application is now functional on your Android device. Your SPY BT has been memorized and you will receive its alarms.

5 – Identical operations of the Atropa application on iPhone or Android phones

<u>The different audible and visual alarms and their settings :</u>



Spy detection



Connexion loss



SPY power failure

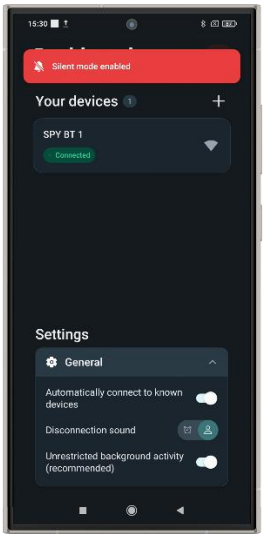


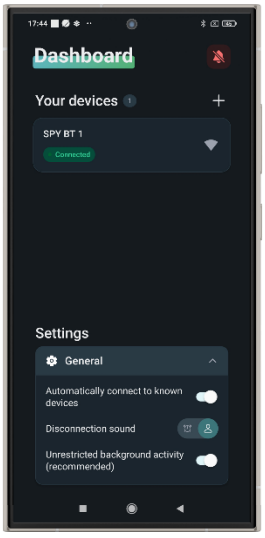
Low battery

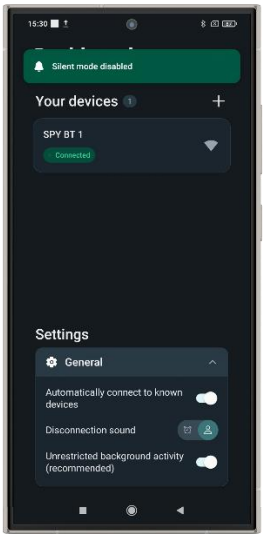
The volume of these alarms is adjustable. They are adjusted like the usual sound settings of the phone (volume, vibration). They can also be voice alarms (slider at the bottom of the dashboard that selects "sound" or "voice").

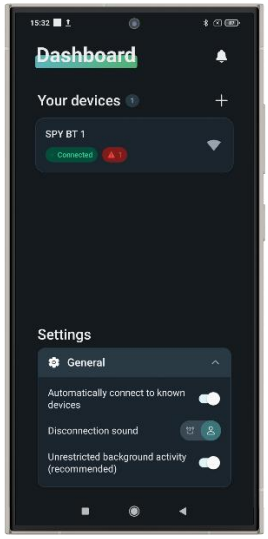
A silent mode can be activated on the dashboard, at the top right, by selecting the "little bell". This is very practical when you pass in front of the detector(s) many times without wanting to stop or disconnect them, and without triggering alarms.

Silent Mode Management



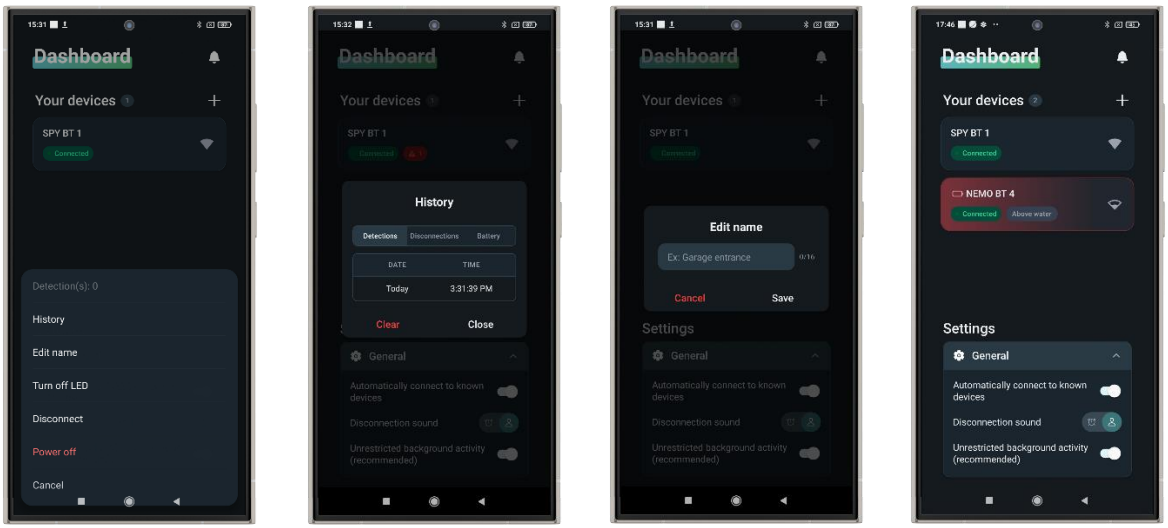






Management of detectors and alarms from the dashboard. From the application you can :

- Add other devices using the « + » button..
- Manage the history of all alarms.
- Change the name of the detectors.
- Monitor the battery status of your detectors.
- Disable or enable the blue detection LED of the SPY BT.
- Disconnect or/and reconnect your detectors.
- Switch off your detectors remotely .
- Forget/delete your detectors from the dashboard.





When your Android smartphone turns off and goes into sleep mode, it must do so with the Atropa application opened, and you must first close all other applications.

6 - SPY BT technical specifications and manufacturer information

- Volumetric infrared detector designed for nighttime use
- Detection angle of 130° x 12 m x 0,50m (12m)
- Flat volumetric detection zone
- Bluetooth range of approximately 150 m line of sight, without obstacles, depending on weather conditions
- Battery life of over 700 h in continuous operation
- Remaining operating time after "low battery" alarm: approximately 6 h
- Powered by rechargeable lithium battery
- Full battery charging time of 5 to 6 h via micro-USB type B
- Dimensions without the antenna: 110 mm x 50 mm x 55 mm
- 3/8 BSW thread screw for mounting on a bank stick (British standard thread)
- Entirely designed and manufactured in France
- 2-year warranty

Designed and manufactured in France by **ATROPA TECHNOLOGIE**

Innovative solutions for the most demanding anglers

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