

The GPS wristband saving lives



Diol®



The roots of DIAL

Water sports enthusiasts know it: a fall into the sea can happen quickly and prolonged immersion in water can prove to be fatal

According to a survey published by the **National Public Health Agency in France**, since 2012, drownings **have been steadily increasing by 30% each summer.**

In particular, the survey revealed that **the sea is the place where accidents are the most numerous.** Sports enthusiasts are also increasing in number, but they are not always aware of the dangers.

For example, the body cools down after 20 to 30 minutes in water. Drowsiness appears below 32°C of body heat, then deep hypothermia from 28°C.

In France, during its interventions, the National Society for Rescue at Sea (SNSM) noticed that sports enthusiasts are unfortunately rarely equipped with devices that allow them to communicate in case of emergency, and therefore be easily located and rescued as quickly as possible.

In order to save lives, ido-data in partnership with the SNSM designed **DIAL. A waterproof wristband for water activities and sports (surf, sailing, swimming, etc.)**

DIAL allows you to share your GPS location with up to 3 trustworthy people: the emergency contacts. In case of an emergency, the user can press the button on the wristband and directly send an alert to the emergency contact's phone.

How does DIAL work in case of emergency?

1 The alert is triggered



In case of an emergency, the user has to **press the button for 3 seconds to activate the alert mode.**

The alert mode is only activated if DIAL is an area covered by **GSM/GPRS mobile networks.**

Even though DIAL is water-resistant, the **wristband has to be out of the water** as long as possible, to connect to the mobile network.

2 The emergency contact receives the alert



The alert is transferred to the emergency contact's phone (the user can have up to 3 emergency contacts).

Through the app, the emergency contact can see the user's location. Their phone must be in an area covered by **GSM/GPRS mobile networks** and must have **internet access** (3G/4G/wifi). If the internet is not available, the emergency contact receives the alert by **SMS.**

3 The emergency contact reaches the rescuers



The emergency contact can now reach the emergency services through the **international number 112.**

Thanks to the DIAL wristband, the emergency contact can see the GPS location of the user and provide this information to the rescue services.

DIAL in more details



Transmission of GPS location*

- The multi-operator SIM card can be used in 32 countries in Europe. It works with an annual subscription (first year included with the purchase of the device)
- The user chooses to share their location with their emergency contacts only in the event of an alert or off alert mode
- The user can configure the frequency of the GPS returns (5 to 20 minutes). They use can also view the track history of the last 10 positions of their beacon

Vibration to indicate the state of the beacon

- A vibrating motor inserted in the beacon lets you know if the beacon is on, off, or in alert mode

Autonomy of 4 days maximum with GPS data feedbacks every 20 minutes

- 2 days max with GPS data feedbacks every 5 minutes
- 6 hours max (in alert mode) with a minimum GPS data feedbacks every 15 seconds

Waterproof up to 20m for 4 hours

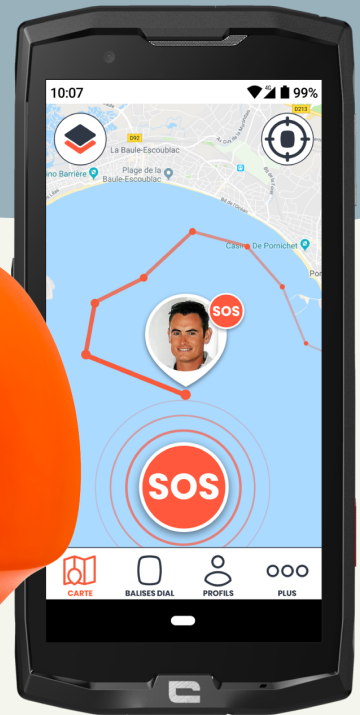
- However, DIAL is not suitable for the practice of scuba diving or other underwater activities. Underwater, no communication with the earth is possible

*DIAL does not need a nearby phone to transmit its location data. The beacon must be in an area covered by the mobile internet network or the GSM network to function. DIAL transmits its data encrypted by mobile internet (GPRS) but if this network is not available DIAL then transmits its data by SMS via the GSM network.

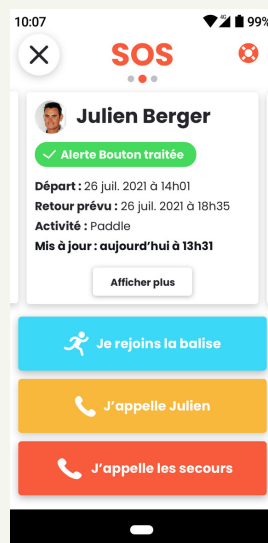
The role of the emergency contact



From Android 4.1 and iOS 9



The emergency contact corresponds to a trustworthy person, such as a relative, a spouse, or a friend of the DIAL user. Indeed, the emergency contact will be in charge of receiving and then analyzing the alert. The emergency contact can transmit crucial information (such as the location of the DIAL user) to the emergency services.



Through the app, the emergency contact can:

- See the location of the user
- Define who will receive the alert
- Check the status of the beacon

If the **alert mode is triggered** the emergency contact can:

- Join the beacon
- Call the DIAL user
- Contact the emergency services

Technical features

DIMENSIONS OF THE BEACON

Length 53mm x Width 43.6mm x Height 21.6mm

WRISTBAND

Size: 270 mm
Wrist circumference* : 135 mm to 210 mm Reinforced attachment system with two rivet buttons and a belt loop

WEIGHT

Beacon: 42 grams Beacon + Bracelet: 80 grams

BATTERY TYPE

Non-replaceable Lithium Polymer battery (UN 38.3 certified and IEC 62133) voltage : 3.7 V - capacity: 420 mAh
Rechargeable by induction (charger supplied)

AUTONOMY

- 4 days max with a GPS data feedback every 20 minutes
- 2 days max with a GPS data feedback every 5 minutes
- 6 hours max (in alert mode) with a feedback of GPS data every 15 seconds

WATERTIGHTNESS

IPX6 (protected against strong jets of water from all directions at the lance (12.5 mm nozzle, distance 2.5 m to 3 m, flow rate 100 l / min \pm 5%)) and IPX8 (waterproof to 20 m for 4 hours)

TYPE OF SIGNALS

GPS in reception to determine the location
GPRS and GSM to share information on cellular networks via internet and SMS

MOBILE NETWORK

Multi-operator SIM card (included in the tag), works in 32 European countries and Overseas departments of France**

POWER BAND AND FREQUENCY

880-915 Mhz

SPECIFIC ABSORPTION RATE

On the frequency band:
(SAR) GPRS 900: 0.171 W / kg (on channel 124)
GPRS 1 800: 0.266 W / kg (on channel 885)

* it is the responsibility of parents to explain the use of the product to children. The product is not recommended for children whose wrist circumference is less than 135 mm. If you would like to use DIAL for a minor who does not have a smartphone to create a personal account, please contact support at support@dial.snsn.org

** The app is only available in France, but the tag can work in 32 countries including:

Europe: Austria, Belgium, Bulgaria, Cyprus, Croatia, Denmark, Spain (including the Canary Islands), Estonia, Finland, France, Greece, Hungary, Germany, Ireland, Iceland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Norway, Netherlands, Poland, Portugal, Czech Republic, Romania, United Kingdom, Slovakia, Slovenia, Sweden, Switzerland.

Overseas departments and regions of France: Réunion, Mayotte, French Guiana, Guadeloupe, Martinique, Saint-Barthélemy, Saint-Martin (french side)



For more information, visit
<https://www.dial.help>
and
<https://dial.snsn.support>

Contact us:
judith.kemp@dial.help



<https://ido-data.fr>

Headquarters

4 and 5 Avenue Joannes Hubert
69160 Tassin La Demi-Lune
France

Offices

100 Rue des Fougères 69009 Lyon France	Jean-Monnet-Strasse 2 10557 Berlin Germany
--	--