

# PLB3



Personal Locator Beacon with AIS and Return Link Service

## Your worldwide link to emergency services

With the introduction of Automatic Identification System (AIS) functionality, Return Link Service (RLS) technology, and Near Field Communication (NFC) capabilities in one 406 MHz Personal Locator Beacon (PLB), the rescueME PLB3 represents a significant step forward in the evolution of PLB's.

The merging of 406 MHz and AIS distress messaging effectively pairs both global and local rescue, thereby maximizing access to the most effective rescue resources available. Addition of NFC allows for mobile app connectivity and interaction with the PLB that has never been possible before.



Mobile App Connectivity



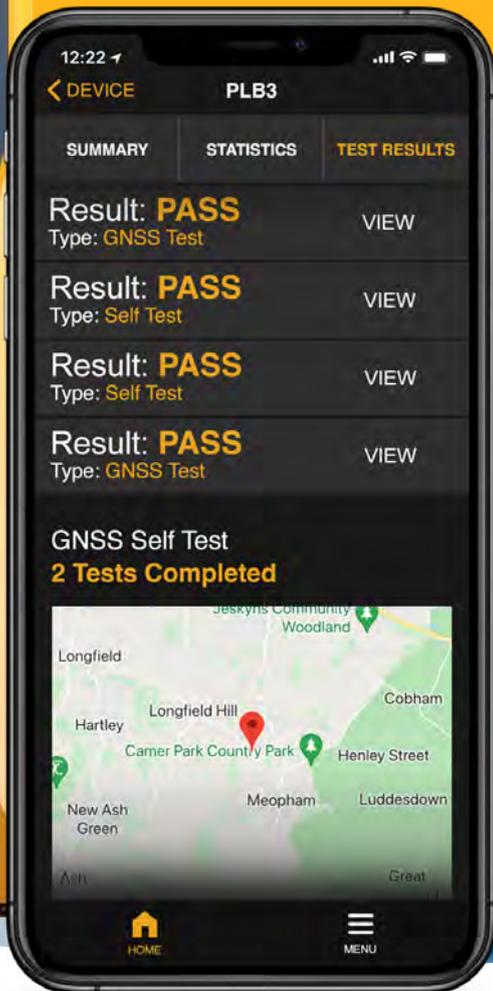
Galileo Return Link Service Capable



406 MHz & 121.5 MHz Signals



AIS Locating Signal



This device has not yet been authorized as required by the Rules of the FCC or Cospas-Sarsat and does not comply with the requirements of RED (Radio Equipment Directive). This device is not, and may not be offered for sale or lease, or sold or leased until such authorization is obtained.

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## Personal Locator Beacon with AIS and Return Link Service

### Pairing Global and Local Rescue

The Worldwide Cospas Sarsat satellite system includes 3 different constellations to ensure your 406 MHz distress signal immediately reaches the global network of Search and Rescue forces with your location accurate to within 100 meters. With multiple levels of integrated signaling technology including 406 MHz and GNSS (GPS, Galileo, Glonass) positioning, the PLB3 also transmits a 121.5 MHz homing signal which guides Search and Rescue services to the beacon's current location when they arrive on the scene, as the beacon may have drifted from the originally transmitted position.

The addition of AIS (Automatic Identification System) transmissions means the PLB3 simultaneously alerts all vessels equipped with AIS transponders within the VHF radio range of the PLB's distress position. This greatly increases both the likelihood and speed of rescue since nearby vessels receive the alerts. Immediately upon deployment of the beacon an AIS Safety Message or MOB Alarm with the beacon's MMSI and location is presented on any AIS screen within range. This makes it easy for nearby vessels to home in on the beacon since it is an active AIS target on their screens.

The PLB3 will light the way as rescuer arrive on scene with both a white visible strobe and infrared strobe providing rescuers with the visual reference they need during nighttime or other low visibility rescue operations.



### Smartphone Connectivity utilizing Near Field Communication (NFC)

The integration of NFC technology provides users with the ability to conveniently access beacon data from their mobile phone. The simple act of placing a phone near the beacon automatically opens the Ocean Signal Product App and provides access to a wealth of usage data including current battery life, number of self-tests completed, number of GNSS tests completed, and if applicable, the amount of time the beacon has been activated.

Detailed information on each self-test and GNSS test performed by the beacon is also available if desired. For each successful GNSS test, users can view a map showing exactly where the test was performed, the date and time of the test, the time it took the beacon to get a fix on your GNSS coordinates, the number of satellites the beacon used to obtain that fix, and the accuracy of the location.





## Return Link Service

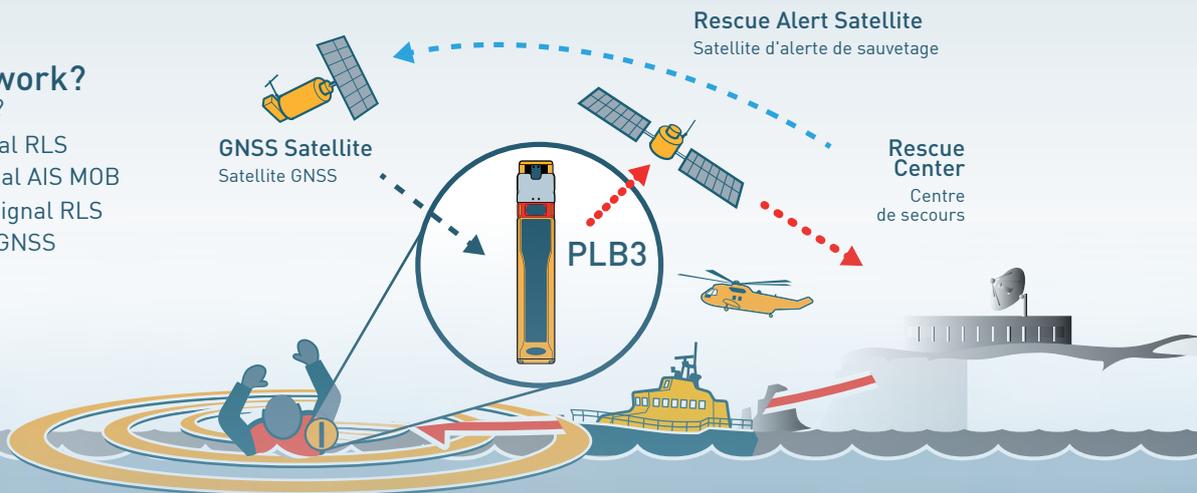
Return Link Service or RLS functionality works when Search and Rescue send a signal back through the Galileo satellite network to confirm to the beacon user that their distress message has been received and their location detected. User confirmation is distinctly indicated by a flashing blue light on the PLB3. In addition to including a comprehensive feature set, the PLB3 is built for comfort.

Enjoy the peace of mind in knowing that your distress message has been successfully delivered and that help is on the way.

### PLB3: How does it work?

PLB3: Comment ça marche?

- 406 MHz Signal Signal RLS
- ))) AIS MOB Signal Signal AIS MOB
- Galileo RLS Signal Signal RLS
- GNSS Signal Signal GNSS



## Life Jacket Integration

The PLB3 is designed to install within a life jacket and activate upon inflation of the jacket (semi-automatic).

Installation is made simple using the included oral inflation tube clip to attach the PLB3 to the life jacket with a ribbon connected around the bladder of the life jacket. Once correctly installed, the action of the life jacket inflating triggers deployment of the antenna and activation of the beacon.

Users not wishing to install the PLB3 within a life jacket have the option to utilize the included webbing clip to attach the beacon to an appropriately sized belt or the webbing of an inherently buoyant life jacket.



# PLB3

rescueME

## Personal Locator Beacon with AIS and Return Link Service

### Specification

Part Number: 732S-03668

Model Number: PLB3

#### Activation

Manual or Semi-Automatic when fitted to a compatible life jacket

#### Class

Class 2 Operation (@ -4°F / -20°C)

#### Buoyant

No (optional flotation jacket available)

#### Size

7.87" (L) x 1.41" (W) x 1.81" (D)  
20.0 cm (L) x 3.6 cm (W) x 3.0 cm (D)

#### Weight

0.42 lbs (190 g)

#### Operational Life

↑24hours @ -20°C (-4°F)

#### Temperature Range

Storage: -30°C to +70°C (-22°F to +158°F)  
Operating: -20°C to +55°C (-4°F to +131°F)

#### Waterproof

Yes

#### Battery

Non-rechargeable Lithium Batteries

#### Battery Replacement

Due 6 years from date of manufacture or 5 years after beacon is placed into service, whichever is first, or after emergency use.

#### Warranty

5 Years

#### Approvals (Pending)

Cospas-Sarsat, FCC, Canada, RED, AMSA

### Key Features

-  Return Link Service Compatible
-  AIS Locating Signal
-  Simple Life Jacket Integration
-  GPS, Galileo, and Glonass
-  5 Year Battery Life
-  Rugged and Waterproof
-  24 hours Operation
-  MEOSAR Compatible
-  Visible and IR Strobe



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