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PLB1, the World's smallest PLB

- Waterproof to 15m
- No subscription
- Link via satellite to Emergency Services
- High intensity (1 candela) strobe
- Fast accurate positioning
- Easily deployed antenna
- 7 year battery life
- 30 percent smaller
- Flotation pouch
- Homing Beacon to aid final location by search and Rescue craft

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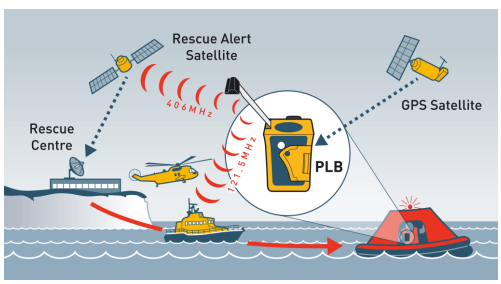
(http://oceansignal.com/wordpress/wp-content/uploads/rescueME-PLB-network-diagram.png)



- 30% smaller (typ) by volume
- Easily fits in lifejacket
- Retractable Antenna
- 7 Year Battery Life
- 7 year warranty
- 24+ hour operational life
- High brightness strobe light >1candela
- 66 channel GPS receiver
- Unique mounting clip
- Operates on the global Cospas Sarsat rescue system
- Free to use, no subscription charges

- Supplied with free flotation pouch

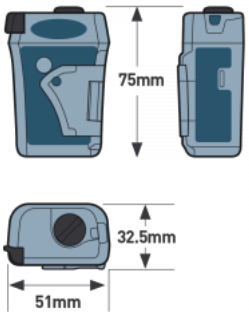
Wherever you are, at sea, on land, the **rescueME PLB1** provides the reassurance that global emergency services can be alerted by the press of a button.

The **rescueMe PLB1** can be operated with a single hand in even the most challenging situations. A simple spring loaded flap covers the activation button preventing inadvertent use.

rescueME PLB1 works with the only officially recognised worldwide dedicated search and rescue satellite network (operated by Cospas Sarsat). As this is funded by governments there are NO CHARGES to use this service.

When activated the **rescueME** PLB1 transmits your position and your ID to a Rescue Coordination Center via satellite link. Rescue services nearest to your are promptly notified of your emergency and regularly advised of your current location to assist prompt rescue.

The rescueME PLB1 is provided with a flotation pouch to fit the PLB into to enable it to float. Please note that the PLB will not float in an operating position in the pouch. Please ensure the PLB is firmly attached to the pouch with the provided lanyard, using suitable self locking knots.



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Product Selection (http://oceansignal.com/comparison/)

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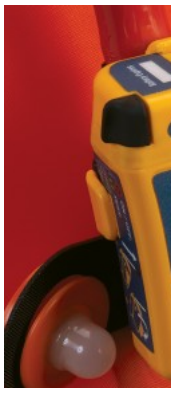

FREQUENTLY ASKED QUESTIONS

When I register my EPIRB or PLB is the 0 in the 15 digit HEX ID (UIN) the number 0, or the letter O?

The HEX ID consists of the numbers from 0 to 9 and the letters from A to F only. The character 0 is the number zero.

If I register my PLB in one country, can I use it in another country?

Yes, you can use your PLB anywhere in the World. When you register your PLB, make sure you give emergency contacts who will know where you are if you need to activate the PLB in an emergency. This aids the rescue authorities to make sure it is a real alert and will speed up your rescue.

What is the location accuracy of the rescueME PLB1?

The Cospas Sarsat system uses two methods of locating a beacon. The satellite system is designed to locate your beacon using the transmission alone. The accuracy of this fix is approximately a 5 nautical mile radius, but is typically much better. The rescueME PLB1 has a built in GPS receiver which is used to encode the position in the transmission. When the GPS has a reliable fix, usually within a few minutes, the accuracy is typically within 100 metres of your actual position can be acheived.

Why is the pouch permanently attached to the PLB1?

For Australia and New Zealand the regulations require that the PLB must float. Because of the small size of the rescueME PLB1, the pouch is used to provide buoyancy and must be permanently attached when supplied in those countries.

If you require to remove the pouch for land based usage, cut the black cord leaving enough length to make a loop to re-attach the pouch or to tie a separate lanyard to.

When testing the PLB, I get two green flashes. What does this mean?

The test indication is repeated. So for a battery which has been used for less than one hour, you will see single green flash, which is repeated after a short pause.

If the battery has been used for over one hour, the indicator will change to an amber (orange) colour. Over two hours and the indicator will flash amber two or more times in a close group, which will be repeated after a short pause.

Carrying a PLB on aircraft as luggage.

The Ocean Signal rescueME PLB1 can be safely carried on board a passenger aircraft as either checked in or carry on luggage under section 2.3.5.9 of the IATA Dangerous Goods Regulations. The lithium metal battery in the rescueME PLB1 contains less than 2g of lithium and have been tested in accordance with 38.3 of the UN Manual of Tests. Precautions should be taken to prevent accidental activation if placed in checked in baggage.

Is the battery replaceable on the PLB1?

Yes, the battery will be replaceable after the expiry period or after the unit has been activated. The battery is not user replaceable and must be sent to an authorised service dealer for replacement. Please contact the distributor in your country for further information.

When should I replace my PLB1 battery

Under normal circumstances the battery in the PLB1 should be replaced before the expiry date marked on the unit.

If the unit has been activated in emergency or if the test indicator LED is flashing amber (orange) the battery must be replaced before it is used again to ensure the full 24 hours of operation in emergency.

The typical lifetime of the PLB1 is greater than 24 hours, but this is under defined conditions of storage and test usage. Do not assume that just because the activation was only for a short length of time the battery will not need exchanging.

Details of battery exchange in your region can be found by enquiring with your local distributor. Please see www.oceansignal.com/stockists (http://www.oceansignal.com/stockists) for information on our distributors.

SPECIFICATIONS

406MHz Satellite Transmitter

Frequency	406.040MHz
Tolerance	±1kHz
Output Power	5watts (nominal)
Stability	2ppb/100ms
Modulation	Phase ±1.1radians (peak)

121.5MHz Homing Beacon

Frequency	121.5MHz
Stability	±50ppm
Output Power	25-100mW PERP
Modulation	Swept Tone AM
Emission Designator	3K20A3X

Emission Designator	16K0G1D
Encoding	Bi-phase L
Data Rate	400bps
Duration	520ms

Low Duty Cycle Strobe Light

Light Type	High intensity LED
Output Power	~1candela

Battery

Type	Lithium Primary
Chemistry	Manganese Dioxide (LiMnO2)
Operational Life	>24hours @ -20°C

Dimensions

Height	77mm
Width	51mm
Depth	32.5mm
Weight	116g

Modulation Depth	85-100%
Sweep Range	400Hz – 1300Hz

GPS Receiver

Sensitivity Cold Start	-148dBm
Sensitivity Re-acquisition	-163dBm
Satellites channels tracked	60
GPS Antenna	Microstrip patch

Environmental

Operating Temperature Range	-20°C to +55°C
Storage Temperature Range	-30°C to +70°C
Waterproof	15metres at +20°C
Drop	1metre @ -30°C

Standards

Cospas-Sarsat	T.001 / T.007
ETSI	EN302 152
RTCM	SC11020
FCC	CFR47 part 95K