



# Satlink ELB100GPS

Safety at Sea



## CLASS II EMERGENCY POSITION INDICATING RADIOBEACON

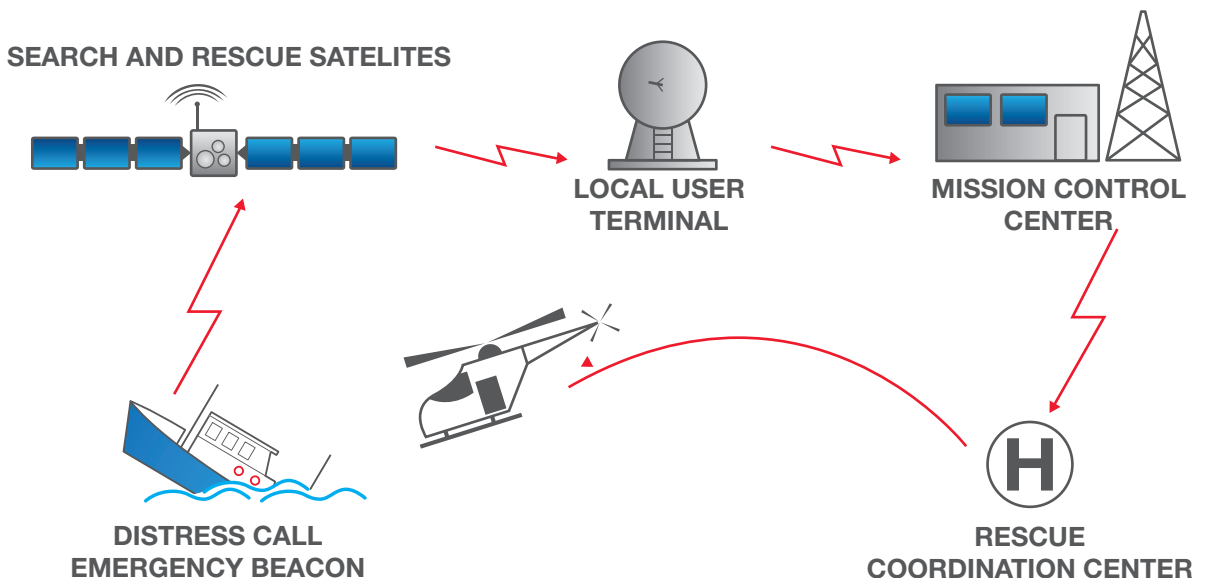
EPIRB (Emergency Position Indicating Radio Beacons) represent a considerable breakthrough in regard to safety at sea, so much so that they have now become an essential item on board vessels, as they are designed to facilitate search and rescue operations in the event of an emergency at sea.

The benefits of equipment transmitting on frequency 406 MHz are well known given that, apart from including the identification code, they also enable the rescue co-ordination centre to ascertain the name and characteristics of the vessel in distress.

Nevertheless, Satlink has added to these already numerous benefits by including a 12-channel GPS receiver which is released and goes into operation automatically in the event of the vessel sinking.

All of these features make the Satlink ELB100GPS radio-beacon the best emergency equipment for any type of vessel.

## OPERATING DIAGRAM



SATLINK ELB100GPS

## TECHNICAL SPECIFICATIONS



### 406 MHz RADIO BEACON WITH GPS RECEIVER (CLASS II)

#### GENERAL

Antenna	Whip antenna (199 mm)
Battery	LI/SOC12 (+10.8 V) Non hazardous
Automatic trigger device	Valid operating period: 2 years
Activation	Automatic and manual
Operating time	48 hours (or longer)
Temperature	Operating (-20 °C to +55 °C); Stowed (-30 °C to +70 °C)
Radio beacon dimensions	400 mm (height incl. antenna); 136 mm diameter
Weight	0.85 Kg
Casing dimensions	177x150x420 mm
Stroboscope	White LED (20 flash/min)
Standards	COSPAS-SARSAT T001; IEC 61097-2; IEC 60945
Certified by	CE (MED-MB-5001-11)

#### 406 MHz TRANSMISSION

Frequency	406.037 MHz $\pm$ 2ppm
Output pow	5W $\pm$ 2dB
Modulation	1.1 $\pm$ 0.1 rad
Short-term stability	$\wedge$ 2 x 10 <sup>°</sup>
Medium-term	< 10 <sup>°</sup>
Residual variance	$\wedge$ 2 x 10 <sup>°</sup>
Bit rate	400 bits/s
Type of message	Long message

#### 121.5 MHz TRANSMISSION

Frequency	121.5 MHz $\pm$ 10ppm
Output power	Up to 60 mW
Modulation	1100 Hz to 400 Hz frequency sweep

#### GPS RECEIVER

Type	Ceramic dielectric antenna
Frequency band	L1 1575.42 MHz
Tracked satellites	12
Position capture	Less than 3 minutes following start-up
Position updating	Every 2 minutes