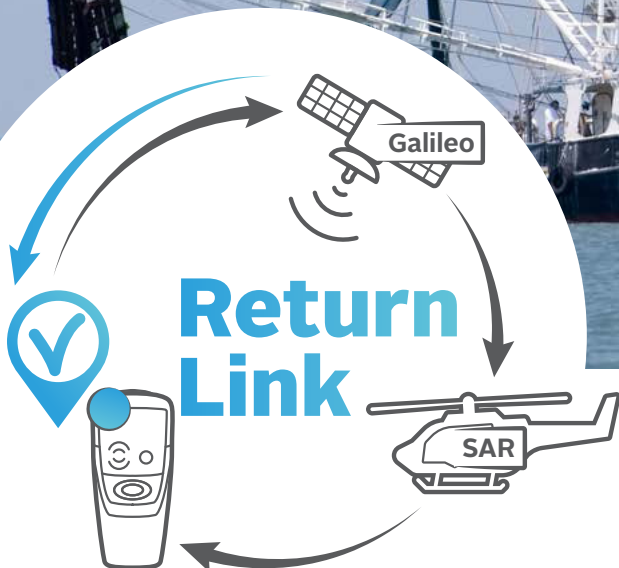


# FastFind ReturnLink™ Personal Locator Beacon

A new type of lifesaving distress beacon, the FastFind ReturnLink PLB, utilises unique functionality generated by Galileo satellite constellations Return Link Service (RLS) to send a signal to the FastFind ReturnLink beacon confirming the users 406MHz distress alert has been received and Galileo GNSS location coordinates have been detected.

**NEW**



ReturnLink's blue light confirms distress signal has been detected and independently located.

The FastFind ReturnLink confirms the signal with a blue flashing light, this life saving re-assurance signal allows those in distress; on land or sea; to know that search and rescue professionals are aware of their situation and they are not alone.

FastFind ReturnLink also offers the accelerated location detection with combined Galileo and GPS GNSS receivers and Orolia's tried and tested 406MHz technology, which has been at the core of search and rescue innovation since 1981.

The FastFind ReturnLink Personal Locator Beacon (PLB) is Orolia Maritime's most advanced search and rescue beacon to date. Using the latest MEOSAR utilising advanced technology, packed into a simple, rugged, lightweight, palm sized unit. Using the dedicated 406 MHz frequency, FastFind ReturnLink transmits your unique ID and ultra-precise GNSS position relayed via the global network of Cospas-Sarsat search and rescue satellites.

Explore the world with peace of mind knowing that if you find yourself in distress, activating your FastFind ReturnLink will summon emergency assistance and confirm when Cospas-Sarsat have received your call for help.

## Features

- RLS: the first of a new range of SAR beacons that receive a reassurance signal confirming distress alert and location have been received by the search and rescue authorities
- Multi Constellation GNSS: Building on Orolia's leadership in innovative location detection technology, FastFind Returnlink incorporates both Galileo and GPS GNSS services
- Multiple Attach Points: PLB come with belt attachable buoyancy pouch and life jacket oral tube clip attachments
- Floats: with provided buoyancy pouch
- Free to use: No subscription
- Power Assurance: 5-year battery life
- Waterproof: to 10m
- Lights: SOS Morse LED flash light & RLS Reassurance blue flashing light
- Practical: Safe-stow antenna and 3 stage activation

## What Happens Once Activated:

FastFind ReturnLink transmits and receives multiple signals simultaneously,

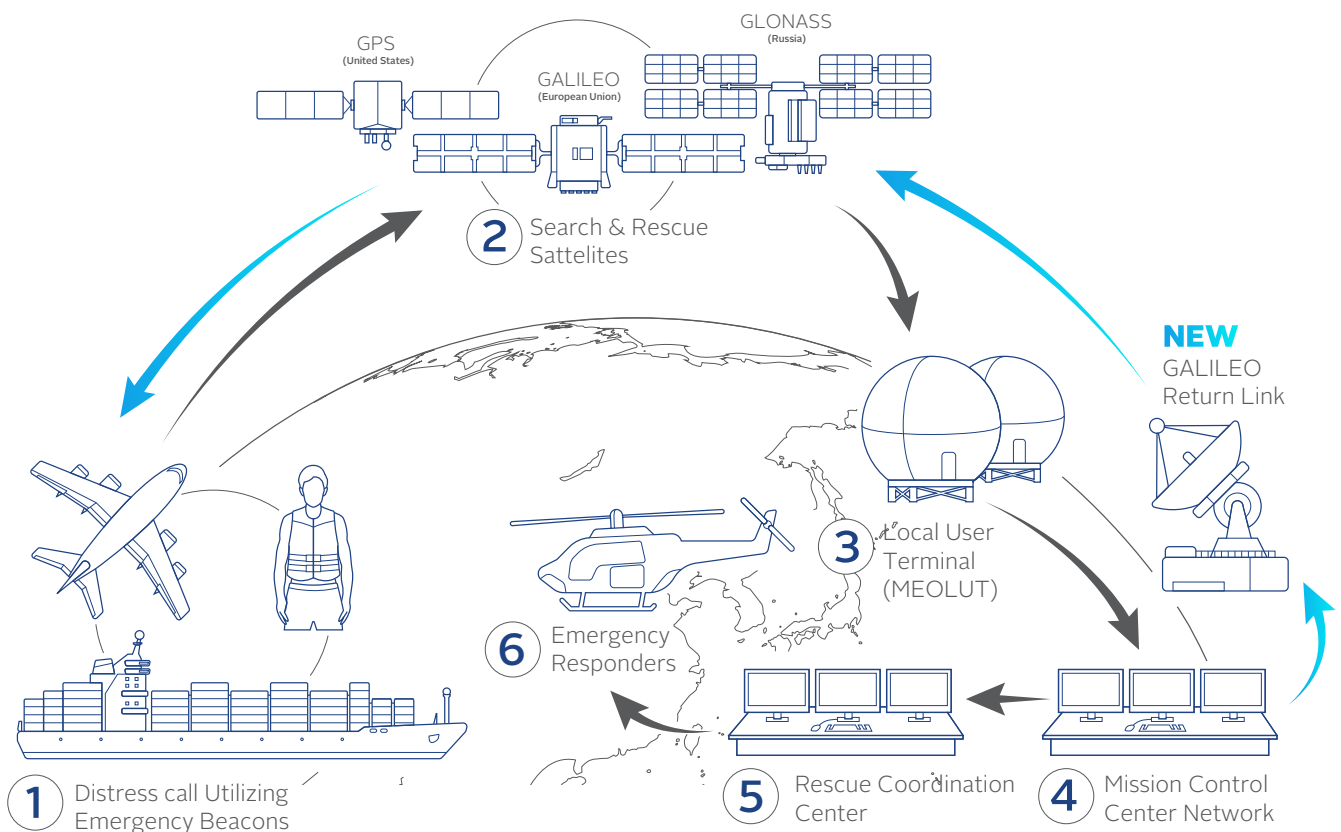
- Transmits 406 MHz via Cospas Sarsat to global professional emergency service
- Receives GNSS coordinates from Galileo and GPS satellites and transmits with 406MHz signal to regularly update location.
- Once location detection is confirmed the PLB receives Galileo RLS signal and activates blue light (after approx. 15mins)
- Transmits 121.5 MHz Homing signal to accelerate local recovery

## FastFind ReturnLink

- Global leader in MEOSAR & 406MHz technology
- Life Saving Innovation – RLS & 72 channel multi-constellation GNSS receivers
- Direct alert to rescue professionals, not call centres
- Small, rugged, easy to use
- Multiple self-tests of both battery and GNSS
- Perfect for solo adventurers with RLS Reassurance Signal
- Subscription free, with global coverage
- Worldwide support network of suppliers and service dealers

## How RLS Works

The new Galileo GNSS satellites, part of the Cospas Sarsat upgrade program MEOSAR, now consists of 26 satellites of a planned 30. The new system reached its operational phase in 2017, allowing technology with a Galileo-enabled receiver to use signals provided by its satellites for positioning, but on completion the Galileo constellation will offer the next technological evolution in life saving technology, the Return Link System or RLS.



## FastFind ReturnLink PLB Specifications

Standards	COSPAS-SARSAT T.001/T.007 class2, RTCM 11010.3 ETSI EN 302152-1, AS/NZS 4280.2, NSS-PLB11
Sealing depth	Immersion to 10 m (30 ft) for 5 minutes
Operating temperature	-20 to +55 °C (-4 to + 131 °F)
Storage temperature	-30 to +70 °C (-22 to +158 °F)
Altitude	12,192 m (40,000 ft)
Buoyancy	Category 2, will not float (optional buoyancy pouch provided)
Battery type	Lithium Manganese
Transmit duration	> 24 hours @ -20 °C (-4 °F)
Battery life (storage)	5 years
Battery replacement	Service centre
Battery Use	Logged by microprocessor
Transmitter Frequency	406.031 MHz (alert) / 121.5 MHz (homer)
Transmitter Power	5 W (alert) / 50 mW (homer) nominal
Unique ID Number	Factory or dealer programmed
GNSS Receiver	GPS(L1)+GALILEO(E1), 72 channel, ceramic patch antenna
Size (D x W x L)	36 x 50 x 112 mm (1.42 x 1.97 x 4.41 in)
Weight	164 g (5.8 oz)
Indicator Light	High brightness LED signal light
RLS Light	Blue LED
SOS flash light	Morse code SOS flash pattern, 30 operations
Activation	Manual, three stage
Self-test	Tests transmitters, battery and light
Standard Compass Safe Distance	1 m (3 ft)
Warranty	1 year (+ 4 years with online registration)