



Same Design, New Features

What Is Galileo?

Galileo is Europe's own global navigation satellite system, providing a highly accurate, guaranteed global positioning service under civilian control. Currently providing Initial Services, Galileo is interoperable with GPS and Glonass, the US and Russian global satellite navigation systems. By offering dual frequencies as standard, Galileo is set to deliver real-time positioning accuracy down to the metre range.

What has changed?

The PLB design has been upgraded to include GNSS receivers that work with both the US GPS satellites and the newly activated European Galileo satellites. We refer to this as multi constellation as our PLB's GNSS receivers will be able to confirm location from more than one range of satellites.

What impact on Search and Rescue does Galileo have?

The PLB has the wider global network offering pole to pole coverage, with faster, more precise location detection as pilots and adventurers have more satellites overhead.

The benefits of multi constellation are reducing the time to confirm signal location and the 'canyon' effect of multiple satellites overcoming poor signal visibility and continuity associated with high sided environments such as mountains or canyons.

The New FastFind 220

The PLB uses advanced technology packed into a simple, lightweight, palm sized unit. Using the dedicated 406 MHz frequency, The unit transmits your unique ID and precise location to the global network of search and rescue satellites.

The electronics design was upgraded, offering accelerated location detection with the dual GNSS capabilities — GPS & Galileo receivers.



Within minutes rescuers are alerted to your situation, and receive regular position updates. Finally, emergency services can home in on your beacon's 121.5 MHz transmission to find you.

Explore the world with peace of mind. If you find yourself in a remote area without any other form of communication, activating your FastFind 220 will summon emergency assistance.



FastFind 220™

Personal Locator Beacon (PLB)

The World's First Galileo PLB

A lifesaving distress beacon with buoyancy pouch included, designed for aviation enthusiasts and adventurers. The FastFind 220 is the world's first Galileo PLB, offering accelerated location detection with GPS and Galileo GNSS receivers.

More lives saved faster

New Benefits:

- Increased Satellites coverage including GPS and now Galileo
- More accurate positioning data to rescuers
- Faster signal detection

Features

- Floats with buoyancy pouch
- GPS & Galileo GNSS Receivers
- No subscription
- 6 year battery life
- Waterproof to 10m
- SOS morse LED flash light
- Safe-stow antenna



Removing the Search from the Rescue

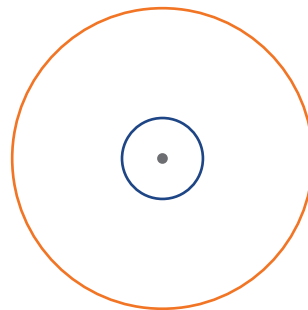
Once activated, FastFind 220 transmits two signals simultaneously

406 MHz Professional global emergency service

121.5 MHz Homing signal to speed up local recovery

By including more GNSS receivers, the search location is reduced from square miles to an exact location coordinate typically accurate to within 100 meters.

How does Galileo reduce the Search area?



Beacon frequency proximity to target

- **121.5 MHz Beacon**
12.5 nm radius
490 sq miles area
6 hours average to respond
- **406 MHz Beacon**
3 nm radius
28 sq miles area
1-2 hours average to respond
- **Beacon with multiple GNSS sources**
0.1 nm radius
0.03 sq miles area
10s of minutes to respond

Technical Specifications

Size (D x W x L)	34 x 47 x 106mm (1.34 x 1.85 x 4.17in)
Weight	152g (5.36oz)
Altitude	12,192m (40,000ft)
Transmit duration	> 24 hours @ -20°C (-4°F)
Battery life (storage)	6 years
Battery replacement	Service centre
Frequency	406.031 MHz (alert) / 121.5 MHz (homer)

Complete your safety pack with an ELT



The Kannad Integra ELT offers additional safety benefits including automatic activation through an internal G-Switch and a 406 back antenna offering the highest level of resiliency.



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