

# sMRT SHIELD+



The sMRT SHIELD+ is a high-tech Personal Locator Beacon (PLB) that combines 406 MHz, AIS, and VHF DSC systems in a compact, durable design. It provides visual alerts using a DSC receiver and includes Return Link Technology (RLS) to notify users when their distress signal has been acknowledged.

This device offers both global coverage through the 406 MHz Search and Rescue Network and local alert and tracking functions via VHF DSC and AIS, making it a reliable solution for worldwide emergency communication and location tracking.

## Key Features

- **406 MHz**

Frequency used for global distress alerts and location tracking in emergency situations.

- **VHF DSC**

Nearby vessels are alerted about the man-overboard situation via

DSC technology.

- **AIS**

The live location of the individual overboard is continuously updated and displayed through AIS technology.

- **Dual GNSS**

Integrated GPS and Galileo receivers ensure rapid, global detection, enhancing accuracy in locating the individual.

- **RLS**

Return Link Service (RLS) confirms distress signal reception, improving rescue coordination.

- **Class-M Compliance**

Compliant with European regulation ECC/DEC/(22)02 pertaining to MOB device usage, ensuring adherence to international standards.

- **Mobile App Compatibility**

Connects seamlessly to the sMRT Beacon Management App via NFC, allowing users to monitor device status and conduct health checks conveniently.

- **Strobe Light**

Features a high-powered strobe light for enhanced visual identification during night-time, aiding rescue efforts in low-light conditions.

- **Coloured LEDs**

LEDs change colour based on the beacon's status, providing visual cues for device functionality and alerts.

- **5-Year Battery Life**

Offers extended battery longevity backed by a UK manufacturer's warranty, providing reliability and peace of mind.

- **Audible Alarm**

Features an audible alarm to aid in location and alert users of potential false activations, enhancing user awareness.

- **Environmental Consideration**

Packaged in 100% recyclable materials; batteries replaced only by approved service centres, promoting sustainability and responsible disposal.

- **Test Functionality**

Enables manual testing and app-based compatibility checks for power and functionality status, allowing users to verify device readiness.

- **Waterproof Design**

Designed to withstand water exposure, ensuring durability and reliable performance in marine environments.