

# Man Over Board sMRT V300-X2 PLB

The Zone 2 approved sMRT V300-X2 is a commercial-grade Maritime Safety Locator Device (MSLD) featuring AIS, VHF DSC, and the 121.5 MHz emergency frequency for improved localised alerting, tracking, and recovery. With both manual and automatic water-activated activation, on immersion for 2 seconds, it enhances the speed and efficiency of MOB recovery.



## General information

With water-activation technology, audible and visual indicators, and multiple fixing options for life jacket integration, the sMRT V300-X2 significantly enhances the speed and efficiency of MOB recovery. Additionally, its increased signaling range and Class M compliance guarantee accelerated signaling and reliable tracking over extended distances. This advanced technology enhances safety and effectiveness during man overboard incidents.

## Features

- **VHF DSC:** Nearby vessels are automatically alerted about the man-overboard situation via DSC technology
- **Dual GNSS:** Integrated GPS and Galileo receivers ensure rapid, global detection, enhancing accuracy in locating the individual
- **121.5 MHz:** Features a low power homing signal to assist marine and aviation rescue efforts
- **Strobe Light:** Features a high-powered strobe light for enhanced visual identification during night-time, aiding rescue efforts in low-light conditions
- **Arming Door:** Includes a swing door mechanism to prevent unintended arming and activations, reducing the risk of false alarms
- **Dual Activation Methods:** Can be activated manually or upon water immersion, ensuring functionality even if the user is incapacitated or unable to activate the device
- **Test Functionality:** Enables manual testing and app-based compatibility checks for power and functionality status, allowing users to verify device readiness
- **AIS:** The live location of the individual overboard is continuously updated and displayed through AIS technology
- **Class-M Compliance:** Compliant with European regulation ECC/DEC/(22)02 pertaining to MOB device usage, ensuring adherence to international standards
- **Water Activation:** Activates automatically when submerged in water for 2 seconds, ensuring a swift response in emergency situations

- **Coloured LEDs:** LEDs change colour based on the beacon's status, providing visual cues for device functionality and alerts
- **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
- **Waterproof Design:** Designed to withstand water exposure, ensuring durability and reliable performance in marine environments

## TECHNICAL SPECIFICATIONS

Communication method	AIS (Automatic Identification System) DSC (Digital Selective Calling)
Dimensions	H 207 mm, incl. antenna x W 59 mm x D 23 mm
Weight	190 grams
Frequency	AIS Channel 1: 161.975 AIS Channel 2: 162.025MHz VHF DSC Channel 70: 156.525 MHz
AIS transmission	Nominal 1W EIRP
Transmit Power	
DSC Transmission	Nominal 1W EIRP
Transmit Power	
Temperature (operational)	-20°C - +55°C
Temperature (storage)	-30°C - +70°C
Waterproof	IP68 up to 10 meter depth
Battery lifetime	5 years (shelf life at +20°C)
Battery type	9V Lithium
Strobe light	30 candela, 170° dispersion, flash rate 12/minute
Approvals	European approvals: EN 303 132 & IEC 60945 US approvals: RTCM SC11901.1 ATEX: IEC 60079-0:2012, IEC 60079-11:2012 Marine: IEC 60945:2002, Class M Compliant