

Man Over Board sMRT AU11-X PLB

The sMRT AU11-X is an ATEX Zone 2 certified Man Overboard (MOB) Maritime Survivor Locating Device (MSLD), which automatically alerts on 121.5MHz and tracks casualties via AIS to within 10 metres. With GPS position updated every minute via AIS, your and every nearby vessel becomes an instant SAR asset.



Function

Automatic activation will alert you of every MOB incident within 2 – 5 seconds. With GPS position updated every minute via AIS, your and every nearby vessel becomes an instant SAR asset able to track multiple casualties up to 75 miles away.

Features

- **121.5 MHz:** features a low power homing signal to assist local rescue efforts
- **VHF DSC:** all nearby vessels are automatically alerted of the man overboard situation via DSC
- **AIS:** the live location of the man overboard is regularly updated and displayed via AIS
- **Dual GNSS:** combines both GPS & Galileo GNSS receivers for accelerated detection
- **Class-M:** compliant to European regulation ECC/DEC/(22)02 relevant to the usage of MOB devices
- **Audible Alarm:** highlight activation to both aid location and raise awareness of false activation
- **Test Functionality:** manual and app based device safety, providing a health check on power and functionality
- **Dual Activation Methods:** device can be activated manually or after immersion in water meaning it will still work if user is incapacitated
- **ATEX Approved:** meets the European ATEX directive and IECEx approval for use in zone 2 explosive atmospheres
- **Dual GNSS Receivers:** dual GPS and Galileo GNSS receivers for accelerated location detection
- **Water Proof:** the device is designed to withstand submersion up to 10 meters, ensuring its protection against water

TECHNICAL SPECIFICATIONS

Dimensions	Height 80mm Width 95 mm Depth 35 mm
Weight	250 grams
Frequency	VHF DSC Channel 70: 156.525 MHz AIS Channel 1: 161.975 MHz AIS Channel 2: 162.025 MHz
AIS transmission Power	Nominal 1W EIRP
Temperature (operational)	-20°C - +55°C
Temperature (storage)	-45°C - +70°C
Waterproof	IP68
Battery type	6V Li-MnO2
Battery life	Minimum of 12 hours at -20°C
Approvals	European approvals: EN303 132 V2.1.1 US approvals: RTCM 11901.1 EMC: EN 301 489-22 V1.3.1, EN 301 489-1 V1.8.1 Electrical safety: EN 60950-1:2006 Marine: IEC 60945:2002 Radio (121.5 MHz): EN 302 961 V1.2.1, RTCM 11901.1:2012 Radio (AIS): EN 303 098 V1.2.1, RTCM 11901.1:2012 ATEX: IEC 60079-0:2012, IEC 60079-11:2012