

Man Over Board sMRT Alert

The sMRT ALERT is an innovative man overboard (MOB) device that utilises AIS and VHF DSC to enhance localised MOB recovery. By incorporating app-based status checks along with audible and visual acknowledgements, it instils user confidence, while also harnessing the water-activated alerting capabilities of DSC (Digital Selective Calling).



Function

With two-way signalling, automatic alerting, and real-time accurate location tracking, the sMRT ALERT is the trusted MOB solution.

Features

- **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
- **Mobile app:** mobile phone compatibility via NFC (Near Field Communication) and sMRT App
- **Audible Alarm:** highlight activation to both aid location and raise awareness of false activation
- **Strobe light:** high powered strobe light to aid visual identification
- **Colored leds:** LEDs change color dependent on status of beacon
- **Arming door:** swing door to prevent false arming activations
- **Audible alarm:** highlight activation to both aid location and raise awareness of false activation
- **Belt pouch:** a wearable neoprene belt pouch provides drop protection to protect the device
- **5 year battery life:** long term battery life with the confidence of manufacturer's warranty
- **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
- **Environmentally conscious:** packed in 100% recyclable materials & batteries only changed by an approved service center
- **Clipping system:** multiple fixing systems allows easy attachment and integration with life jackets

- **Water proof:** the device is designed to withstand submersion up to 10 meters, ensuring its protection against water

TECHNICAL SPECIFICATIONS

Dimensions	H 207mm (incl. antenna) x W 59mm x D 23mm
Weight	180 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° to +55°C (-4° to +131°F) as per IEC 60945
Temperature (storage)	-30° to +70°C (-22° to +158°F) as per IEC 60945
Waterproof	IP68 to 10 meters depth
Battery type	9.0V 1650mAh Lithium Manganese Dioxide (LiMnO ₂)
Battery life	Minimum of 12 hours at -20°C
Strobe light	30 candela, 170° dispersion, flash rate 12/minute
Approvals	European approvals: EN 303 132 V2.1.1, US approvals: RTCM 11901.1, Class M Compliant



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Personal locator device