

MOB2

rescueME))

Class M AIS Maritime Survivor Locating
Device with VHF DSC

The World's Smallest AIS Man Overboard System With Integrated VHF DSC

Alerting your vessel about a Man Overboard is the most rapid and reliable recovery option. In rough seas, losing sight of a man overboard can occur shockingly fast. That's why the MOB2 combines both AIS and VHF DSC emergency technology in the latest professional class M-compliant solution for the maritime market.

At nearly half the size of the competing products, with dual IR and white strobe lights, and NFC mobile app connectivity; the MOB2 fits perfectly inside inflatable lifejackets.



Class M Compliant
(ECC/DEC/(22)02)



Integrated 2-Way DSC
Transmitter*



Automatic Activation
Simple PFD Integration**



Mobile App



IR and White High
Intensity strobes

This device has not been authorized as required by the Rules of the FCC. This device is not, and may not be offered for sale or lease, or sold or leased, until authorization is obtained.

www.oceansignal.com


ocean SIGNAL

MOB2

rescueME

Class M Personal AIS Man Overboard Locator

Introducing the **world's smallest AIS MOB device with integrated VHF DSC** – the **rescueME MOB2** from Ocean Signal. This vital component of any maritime safety kit is designed for rapid response in man-overboard emergencies. Compact and lightweight, the MOB2 integrates seamlessly with even the most compact inflatable life jackets, ensuring automatic activation upon inflation.

The MOB2 sends the first alert within 15 seconds, broadcasting your precise location using AIS technology to nearby vessels and onboard navigation systems. It communicates with the vessel you've been separated from and other vessels up to 5 miles away, depending on conditions. Additionally, nearby vessels are instantly notified of the man-overboard situation through DSC technology.

In an emergency, the rescueME MOB2 provides two methods of rapidly communicating your position, accurate to a few meters, and offers visual indication via its built-in strobe lights. Its integrated dual Infrared (IR) and White strobe lights ensure maximum visibility in low light conditions, providing peace of mind for sailors and boaters by enhancing safety on the water and potentially saving lives in critical situations. Waterproof to 20 meters, the MOB2 features a robust construction and a long-lasting battery.

* DSC functionality is subject to regulations of country.

** Always refer to the lifejacket manufacturer for specific instructions before installing this product directly to your lifejacket.

† Subject to warranty statement. (Note: When used in commercial applications the warranty period is restricted to two years.)

Smartphone Connectivity utilizing Near Field Communication (NFC)

The integration of NFC technology provides users with the ability to conveniently program the MOB2 with a vessel's MMSI and access beacon data from their mobile phone. The simple act of placing a phone near the beacon automatically opens the Ocean Signal Product App and provides access to a variety of usage data including current battery life, number of self-tests completed, number of GNSS tests completed, and if applicable, the amount of time the beacon has been activated.

Class M Approved

Engineered to exceed Class M requirements, the MOB2 is Compliant with regulation ECC/DEC/(22)02 regarding the use of MOB devices.

Lifejacket Integration**

The MOB2 can be activated manually or automatically when installed within an inflatable lifejacket (automatic). Installation is made simple using the included oral inflation tube clip to attach the MOB2 to the lifejacket with a ribbon connected around the bladder of the life jacket. Once correctly installed, the action of the lifejacket inflating triggers the deployment of the antenna and activation of the beacon.

Specification

Part Number: 744S-05485

Model Number: MOB2

General

Temperature Range	-4°F to +131°F [-20°C to +55°C]
Storage Temp. Range	-22°F to +158°F [-30°C to +70°C]
Waterproof	10m depth
Battery	5 Year Lithium battery, LiMnO ₂
Dimensions	5.27" (H) x 1.5" (W) x 1.06" (D) 13.4 cm (H) x 3.8 cm (W) x 2.7 cm (D)
Weight	0.2 lbs (92 g)
AIS Tx	161.975/162.025 MHz +/- 500 Hz (1W) / 9600 Baud Rate
AIS Message	Message 1 (position) / Message 14 (MOB Status) 8 Messages Per Minute

Activation

Manual Activation or Via Lifejacket Inflation System (Semi-Automatic)**

Approvals (Pending)

- FCC
- EU RED / CE

(see www.oceansignal.com for full list of approvals)

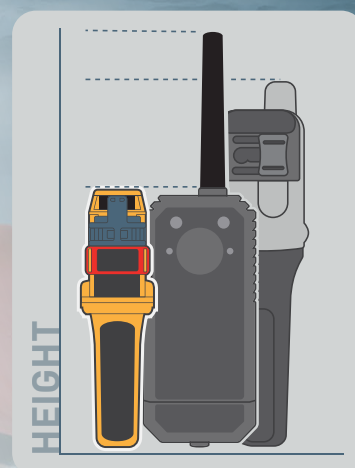
Operation

Operation Time	24 hours @ -20°C
GNSS	Multi-constellation receiver (GPS, Galileo)
Strobe	Infrared (IR) and White
Digital Selective Calling (DSC) Frequency*	156.525MHz
DSC Transmit Power (EIRP)	0.5 Watt
DSC Messages	Individual Distress Relay / All Ships Distress Alert
DSC Baud Rate	1200 Baud

Other Features:

- GNSS via GPS, and Galileo
- Fast accurate positioning
- LEDs verify DSC distress signal receipt
- 5-year battery life
- 5-year warranty†
- Mobile connectivity via Near Field Communication (NFC)

Significantly
Smaller Than
Other Class M
AIS MOB's



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