M200

safe SEA

Class M AIS Maritime Survivor Locating Device with 121.5 MHz

Designed to Meet the Needs of both Recreational Boaters and the Professional Marine Market and its Offshore Workers

Featuring multiple methods of distress alerting, the M200 features dual infrared-white strobe lights and transmits via AIS, DSC, and 121.5 MHz to facilitate rescue efforts and thereby maximize the speed and efficiency of rescue. Compliant with the AIS Class M regulation, the M200 is a Class M DSC (Digital Selective Calling) MOB device that incorporates a durable design with a form factor that is opportunely smaller than other comparable models.



- **Class M Compliant (ECC/DEC/(22)02)**
- **AIS Enabled for Local Rescue**
- **Integrated 2-Way DSC Transmitter***
- **121.5 MHz Homing Signal**
- **Automatic Activation Simple PFD Integration****
- **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

M200

AIS Maritime Survivor Locating Device with 121.5 MHz

Building upon the tried and proven core architecture of its predecessor, the M200 stays true to Ocean Signal's core design principles and accomplishes an impressive feat by bundling additional features into an even more compact form factor. Meeting regulation ECC/DEC/(22)02, otherwise known as the AIS Class M Regulation, the M200 includes a DSC (Digital Selective Calling) Receiver which is utilized to stop the MOB from continuing to send DSC messages over the DSC channel once a distress signal has been acknowledged. The inclusion of dual infrared-white strobe lights in combination with distress alerting via AIS, DSC, and 121.5 MHz allows for maximum detection by emergency services.

How it works

Upon activation, the M200 starts transmitting the 121.5 MHz homing signal and then the first individual distress will be broadcast within 15 seconds. The M200 sends 8 AIS messages per minute and once a GNSS fix has been obtained, each sequence of 8 AIS messages includes GNSS coordinates to alert rescuers of your precise location. The M200 also has the ability to send various types of DSC messages. The type of DSC message(s) transmitted (Individual Distress Relay Call, Group Call, or All Ships Distress Alert) is dictated by specific regulations by country.

App Connected

With the inclusion of Near Field Communication (NFC) technology, placing your phone near the beacon automatically launches the Ocean Signal Product App, giving you access to a range of usage data. User specific data such as a vessel's MMSI can be entered into the M200 while also allowing vital information such as battery life and self-test history to be easily displayed. The use of NFC also ensures that the internal battery life is maximized for safety purposes.

Lifejacket Integration

The M200 can be activated manually or automatically when installed within an inflatable lifejacket that automatically inflates. Installation is made simple using the included oral inflation tube clip to attach the M200 to the lifejacket in conjunction with the activation tape connected around the bladder of the lifejacket. Once correctly installed, the action of the lifejacket bladder inflating triggers the deployment of the antenna and activation of the beacon.

* 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.

Specification

Part Number: 745S-05489
Model Number: M200

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
Battery	Lithium battery, $LiMnO_2$
Dimensions	4.52 (H) x 1.81 (W) x 1.06 (D) in (115 (H) x 46 (W) x 27 (D) mm)
Weight	119 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

Homer Transmission

Transmit Power (EIRP)	50 mW
Frequency	121.500 MHz

Approvals

- EU RED / CE

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

Operation

Operation Time	Over 12 hours
GNSS	Multi-constellation receiver (GPS, Galileo)
Strobe	Infrared (IR) and White
Digital Selective Calling (DSC) Frequency*	156.525MHz
DSC Transmit Power (EIRP)	1 Watt
DSC Messages	Individual Distress Relay / All Ships Distress Alert
DSC Baud Rate	1200 Baud

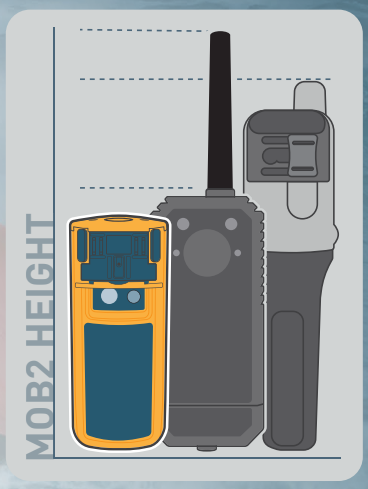
Activation

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

Other Features:

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

Over 20% Smaller Than Other Class M AIS MOBs



ocean SIGNAL
www.oceansignal.com