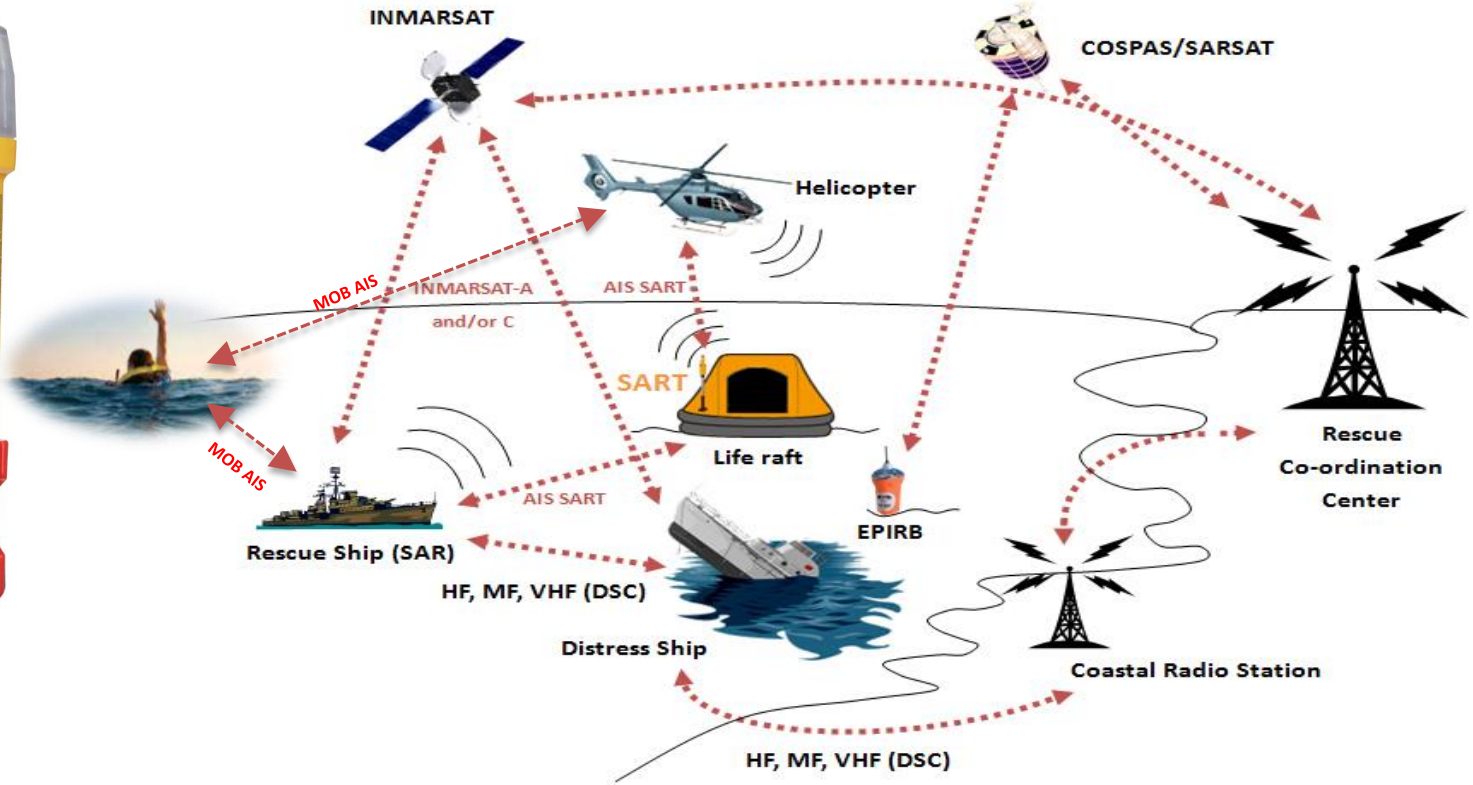
WHEREVER LIFE TAKES YOU,
KE GME.

MO520
AIS MOB
Man Overboard Beacon

MOB in
Global Maritime Distress Safety System (GMDSS)



What is an AIS MOB?

- AIS **M**an **O**verboard **B**eacon
- Can be carried by each unit of the crew as a search and rescue locating device
- Able to transmit messages that indicate the position, static and safety information of a man overboard in distress
- The transmitted messages are compatible with existing AIS installations
- The transmitted messages can be recognized and displayed by AIS devices in the reception range

Key Performance

- Waterproof : Submersible up to 50 mt
- Latest IEC Standard Compliance
- Military Grade Ruggedness
- Water Sensor for Automatic Activation
- 36 hours long operation time

Easy To Use

- Pull & Pull: just 2 steps to activate!
- Can be easily activated by unskilled personnel.
- Visual LED to indicate correct operation.

Technical Characteristics

- 50 GPS Channels.
- >4 NM range.
- Rubber Coated Antenna.
- Explosion Protection (CNS: Ex e m II T6 X)

- ETSI EN 303 098-1 V1.2.1
- ETSI EN 303 098-2 V1.2.1 final draft
- I EC 61097-14 (AIS SART)
- ETSI EN 301 489-1
- ETSI EN 300 152-1, -2 and -3(121.5MHz beacon)

Unique User ID

- A unique identifier (User ID) is pre-programmed on each unit to ensure integrity of the VHF data link.
- User cannot change the User ID of the AIS MOB unit.

Activation Process

Manual

Step 1:
Pull off the red tab antenna cap to release the antenna.

Step 2:
Pull off the activation tab to start transmission of messages.

Water Sensors

Step 1:
Pull off the red tab antenna cap to release the antenna.

Step 2:
The water sensor is located at the bottom of the device. The device will activate and begin transmission when the sensor has been immersed in water for more than three seconds.

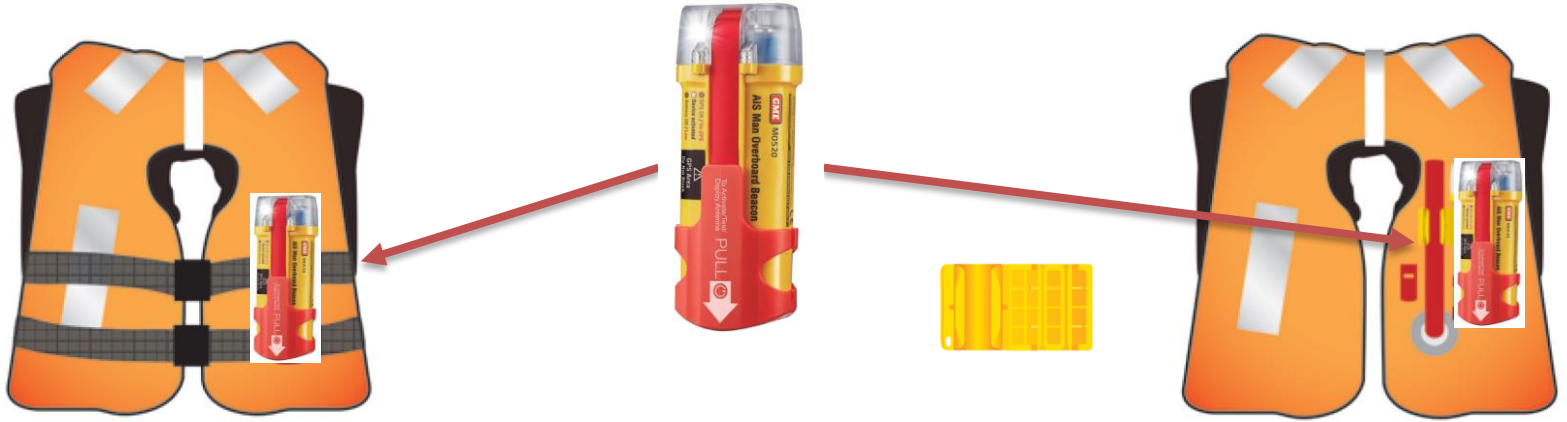
Mounting Process

Strap Clip :

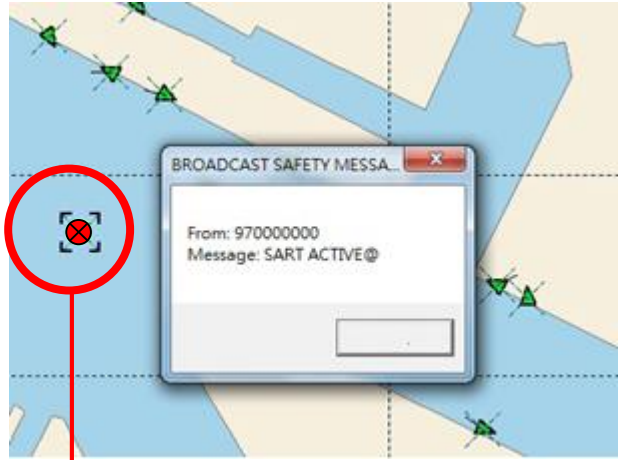
The MO520 is supplied with a clip that can be used to attach the device to a lifejacket strap .

Oral Tube Clip:

The MO520 is supplied with a clip that can be attached to a life jacket's oral tube. The clip can be attached on the left or right side of the oral tube nd the doorway entrance and locate the pole in vertical position at Life-Boat.



Reception by AIS Receivers

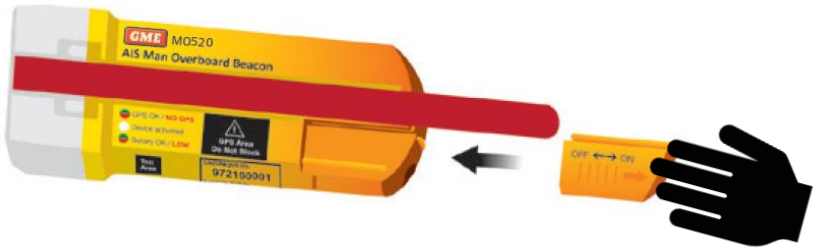


SART
Symbol

Deactivating Process

Step 1:

To stop the MO520 from transmitting, reinsert the activation tab into the device. If the device was activated by the water sensor, pull the tab off and reinsert it to stop transmission.



Self Test Process

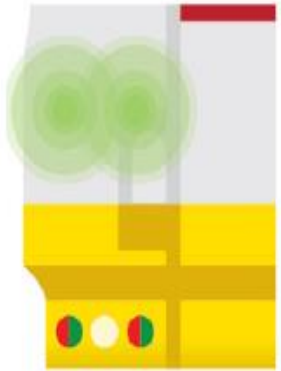
Battery Life Test:

Hold “magnetic TEST tag” for 1 second on test Area .

The high brightness LED flashes and the device beeps once indicating that the device is in battery life test mode. A green flash indicates that the battery has passed the test. A red flash indicates that the battery has low power and needs to be replaced. The device flashes three times and beeps once to end the test.

Full Function Test:

Hold “magnetic TEST tag” for 4 second on test Area .



The high Brightness LED flashes once and the device beeps once. Hold the magnet next to the test area for three seconds. A second beep indicates that the device is in full function test mode. The battery LED and the GPS LED flashes every three seconds to indicate the battery and GPS locating status:

- A green battery LED indicates that the battery has passed the test. A red battery LED flashing indicates that the battery has low power and needs to be replaced.
- A green GPS LED flashing next to the antenna indicates that a GPS fix is obtained. A red flashing GPS LED next to the antenna indicates that a GPS fix cannot be obtained.

NOTE : The test mode can be interrupted at any time by pulling off the activation tab and reinserting it. The device does not transmit distress messages while in test mode with the activation tab removed. There is no risk of activating distress transmissions if the activation tab is pulled off to abort the test mode.

Summary

- Latest IEC Standard Compliance
- Waterproof : Submersible up to 50 mt
- Military Grade Ruggedness
- Water Sensor for Automatic Activation
- 36 hours long operation time
- MO520 is a great choice to ensure crew safety.

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...Thank you