

AIS FLARE ECO Man Overboard Beacon

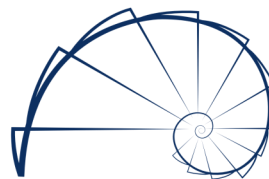
- Sailing
- Boating
- Wind & Kite surfing
- Fishing
- Diving
- Kayaking
- Stand Up Paddleboards
- Surfing
- Aboard Cruise Ships
- Anywhere on the water
anywhere in the world



The smallest, longest lasting,
most affordable, highest quality
AIS/DSC man overboard beacon
available anywhere in the world!



The Sea Angel AIS FLARE ECO is
designed and manufactured by FT-TEC
Electronics, Austria. Aquaventures, Inc.
is an authorized distributor.



Aquaventures, Inc.

954 646 7633

www.aquaventures.net

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The Very Best MOB in the World!

SEAANGEL AIS Flare ECO
With DSC



**Broadcasts emergency distress
signal on AIS and DSC for the
fastest rescue possible.**

- Broadcasts for 72 Hours
(3 times longer than others)
- Waterproof
- LED Strobe Light
- 5 Year Battery Life
- Activated manually by pressing
button or pulling ripcord.
- Automatic activation when properly
fitted to inflatable life vests.
- Rubber antenna - No sharp edges
- Smallest unit in the world at 90
grams
- Built to SOLAS standards



2017 Miami International
Boat Show
Innovation Award Winner

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AIS

Automatic Identification System

- What is AIS?

A radio based collision avoidance system which allows ships to “see” other ships. Each ship with AIS is represented by a symbol on the AIS radars and electronic chart systems of every ship within range.

- Who has AIS?

All commercial ships, most yachts and many small boats. AIS is now standard on almost all vessels in the world. AIS is also constantly monitored by Coast Guard agencies worldwide.

- How can AIS help me get rescued?

When the **AIS FLARE ECO** is activated every vessel within range will see a very obvious emergency symbol on their AIS radars and electronic chart systems and are required by law to rescue you. The AIS position comes from the GPS device built into the **AIS FLARE ECO**.

- What is the range?

AIS range is based on line of sight. The higher the transmitting and receiving antennas, the farther the range is. The range on the **AIS FLARE ECO** is 4 miles up to 10 miles.

- How long will the **AIS FLARE ECO** transmit?

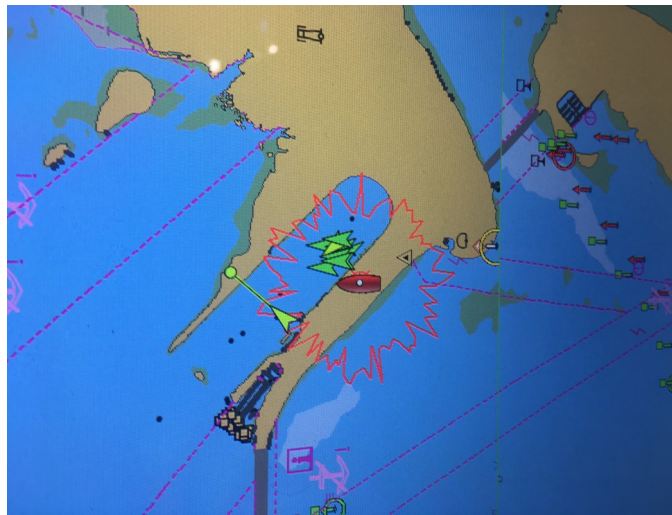
At least 72 hours.

- How long will the **AIS FLARE ECO** battery last?

At least 5 years (designed for 7 years)

- How does AIS compare to EPIRBs and PLBs?

EPIRBs (Emergency Position Indicating Radio Beacon) and PLBs (Personal Locator Beacon) transmit a 406 MHz distress signal to a satellite which is then relayed to the closest search and rescue (SAR) organization. 97% of 406 MHz distress alerts are false alarms so each alert must be verified before beginning SAR efforts which takes time. AIS is a local system that transmits to all AIS equipped vessels in the area. Since only SAR has your EPIRB distress information it is likely that AIS equipped vessels are closer and could effect a rescue much sooner. The two systems are complimentary.



This is what the AIS MOB signal looks like on a chart plotter when the **AIS FLARE ECO** is activated. The jagged red “circle” flashes and rotates to draw attention to the MOB alert.



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DSC

Digital Selective Calling

- What is DSC?

DSC is a VHF radio service that allows mariners to instantly send a distress alert to Coast Guard or other search and rescue authority anywhere in the world. Local vessels are authorized to forward this distress information, including vessel position.

- Who has DSC?

All commercial ships, all yachts and almost all small boats carry a VHF radio which will receive a DSC distress signal. DSC has been required on all VHF radios in the US since 1999. DSC is the worldwide standard for VHF radio automatic distress alerts.

- How can DSC help me get rescued?

The **AIS FLARE ECO** will broadcast a DSC distress alert to your own vessels VHF radio. This will let your crew know that there is a “Man Overboard”. This is especially useful when crew is below and at night.

- What is the range?

VHF range, like AIS, is based on line of sight. The higher the antenna of the transmitting and receiving units, the farther the range is. The range on the **AIS FLARE ECO** is 4 to 10 miles.

- What is the MMSI number?

Every vessel required to have a VHF radio aboard is assigned a unique Maritime Mobile Service Identity (MMSI) 9 digit number by the country of registry. The FCC (Federal Communications Commission) does this in the USA. If there are multiple **AIS FLARE ECO** units aboard, each unit is programmed with the same vessel MMSI number. Recreational boaters not required to carry a VHF radio may obtain a MMSI number from Boat US or the U.S. Power Squadron.

- Does the **AIS FLARE ECO** always broadcast a DSC distress alert?

No, the **AIS FLARE ECO** must be programmed with the vessels MMSI number to match that which is programmed into your vessels VHF radio.