PRODUCT CATALOG
MOB+ MULTIFOB

MOB+ ™
WIRELESS MAN OVERBOARD SYSTEM

STOP FOB | ALARM FOBS
OVERRIDE HOLD 3 SEC
STOP
PAIRING HOLD 3 SEC
MOB+
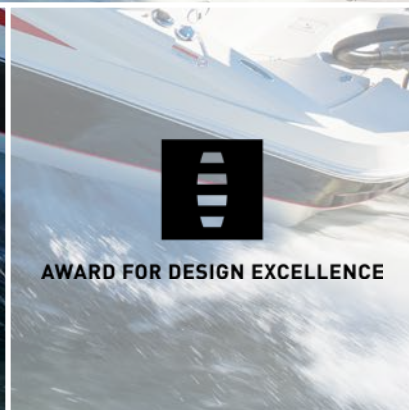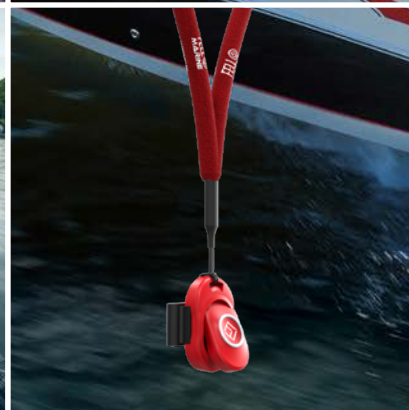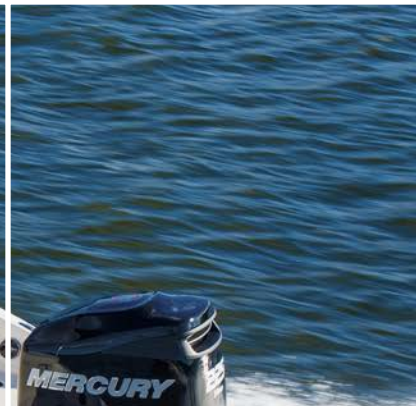
AWARD FOR DESIGN EXCELLENCE

FELL MARINE®

YOUR PERSONAL LIFEGUARD

The xFOB is your personal safety guard at sea. Being placed in the accompanying xBAND or xTAG, the xFOB unit does not inhibit any movement or motion. Should you fall into the water the engine(s) will stop in just one second.

SECURE EVERYONE ONBOARD

Up to four xFOBs can be connected to the xHUB™ at the same time, with one unit acting as the captain's stop unit, and the additional three as alarm or stop units for passengers. Let your passengers have their personal FOB, protecting everyone on board.
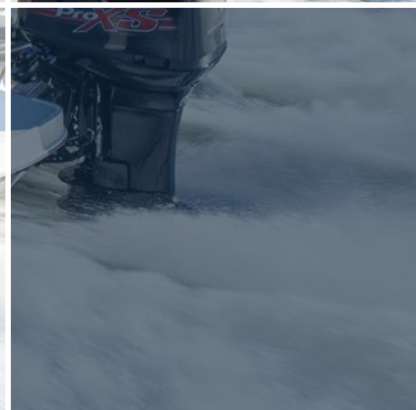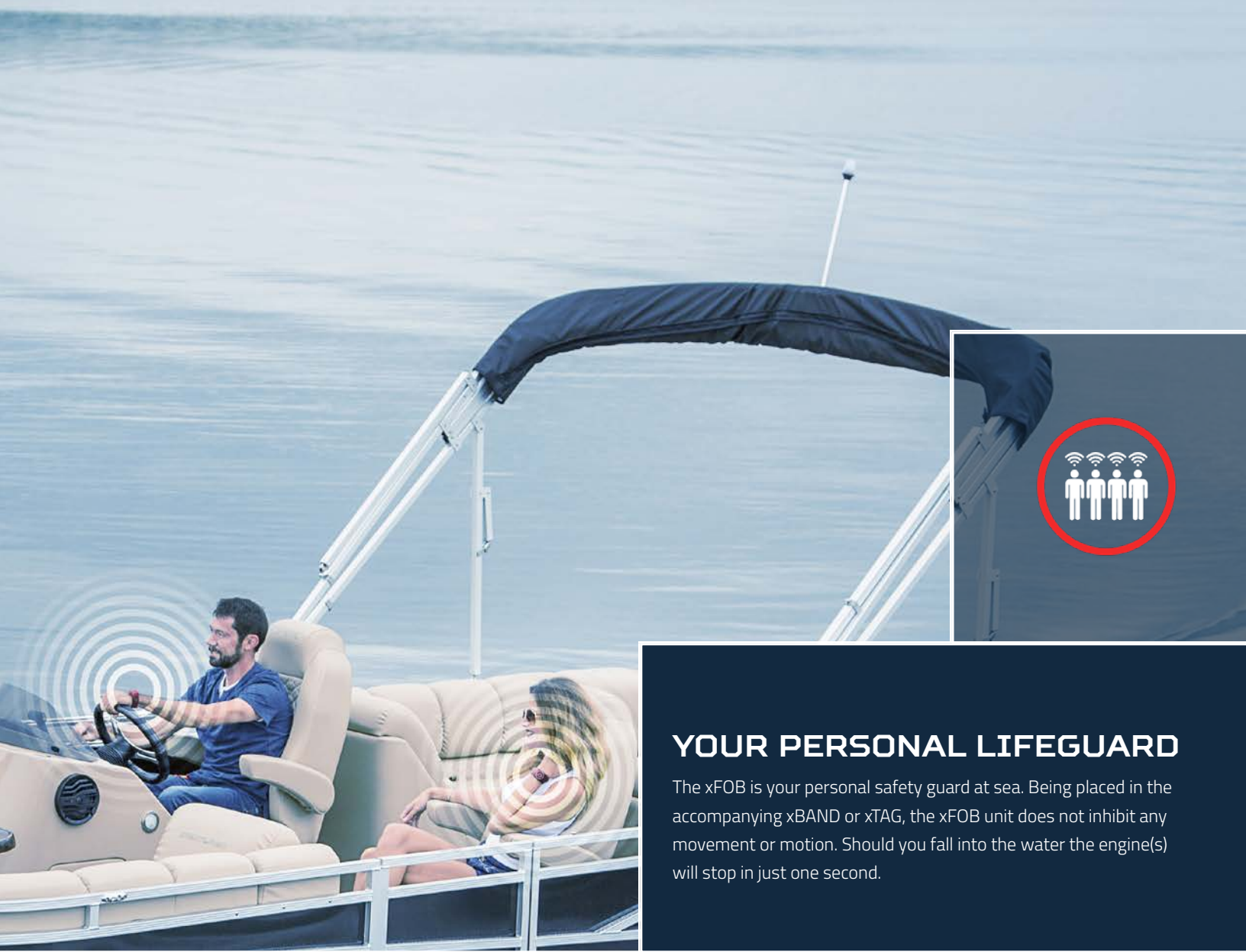
LIFE-SAVING DEVICE

The MOB+™ Wireless Man OverBoard system is an innovative, ABYC compliant, lifesaving safety device for your boat. It provides greater freedom of movement than a traditional kill switch lanyard, and stops the engine should you fall overboard.

Corded Lanyard
-1972

# NEXT GENERATION WIRELESS BOATING
-2018

Falling overboard is one of the most likely cause of death while boating

Traditional lanyard type cut-off switches are not always used by boaters, resulting in a rising trend in both injuries and fatal accidents. According to USCG statistics almost 60% of all boat related deaths in in 2016 was caused by fall overboard.

❌ *Freedom of movement*

❌ *Easy to use*

❌ *Convenience*

❌ *Good-looking and pioneering*
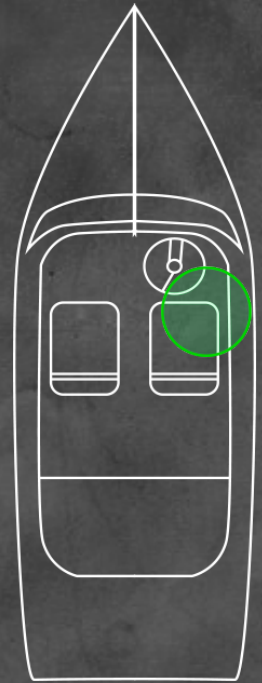
A WIRELESS REVOLUTION

MOB+ sets a new standard for wireless man overboard devices and safety onboard. MOB+ is developed to provide 100% stability and save you in just one second should you fall over board.

FREEDOM OF MOVEMENT ✅

EASY TO USE ✅

CONVENIENCE ✅

GOOD-LOOKING AND PIONEERING ✅

MULTIPLE CONNECTIONS ✅
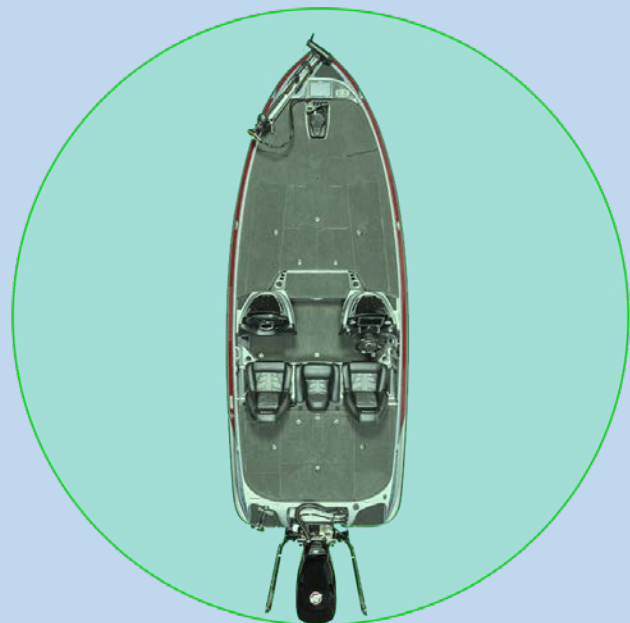
TECHNOLOGY

WiMEA®
Wireless Marine Electronics Algorithm

- Unique ID Technology
- Dual Antenna Diversity
- Advanced MOB Algorithm
- High speed, low latency data link
- Dynamic Output Power

SECURE MARINE WIRELESS

WiMEA® is a highly advanced marine security protocol. Utilizing a high speed link and Unique ID Technology, it enables the MOB+™ to provide a robust signal while keeping the low latency needed to quickly react in a man over board situation. The WiMEA® Protocol operates across several frequency channels and has 4D Antenna coverage to avoid interference and unintented signal blocking, which makes it virtually impossible for any other wireless system to interfere with the operation of a MOB+ system.

WiMEA® PROTOCOL
WIRELESS PERFORMANCE GUARANTEE
CERTIFIED TECHNOLOGY

TRUSTED BY MILITARY AND LAW ENFORCEMENT

MOB+ ™
WIRELESS MAN OVERBOARD SYSTEM

The system consists of an easy to install xHUB™ mounted in your boat and up to four wearable xFOBs™. The xFOBs communicate wirelessly with the xHUB. Four xFOB's can be connected to the xHUB at the same time, with one unit acting as the captain's stop unit, and the additional three as alarm or stop units for passengers.

MOB+ offer a range of wearable options for you to be most comfortable using the system. The xFOB has more than 300 hours of battery life, and is powered by an easy to change standard coin cell battery. The xHUB connects to your boats power system (12V-24V) and to your engine stopping system. Intuitive and easy to use via a one-click user interface. Just click the xFOB once when you enter your boat and you are ready to go!

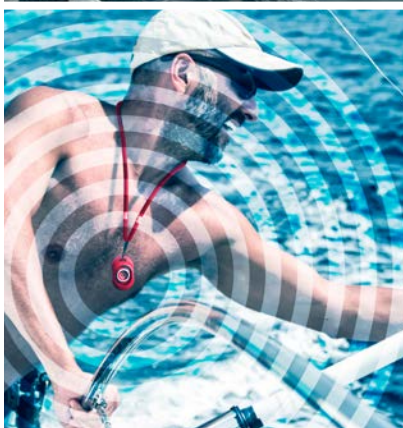**MOB+ Basepack**

COMPLIES WITH
ABYC A-33 & E-11

ABYC®
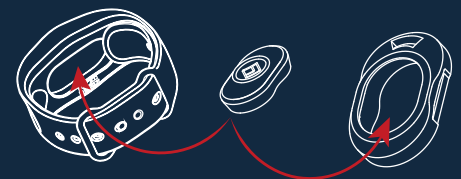Boating Safety... Built In

x**BAND**™

x**TAG**™ **Clip-On**

x**TAG**™ **Lanyard**

Insert the xFOB into the xBAND or xTAG

UNIVERSAL CONNECTION INTERFACE

- First Come, First Served: First connected xFOB becomes the STOP FOB. Successive connections automatically becomes ALARM FOBs.

- Use any universal xFOB with the same xHUB system, just pair and connect. No need to keep track of which xFOB is STOP FOB and ALARM FOB before connecting to drive.

- FOB Indication: The xHUB has four light bars indicating connected xFOBs. Unique sound separates the STOP FOB and ALARM FOB signal when connecting each xFOB.

- Battery indication: Each xFOB has more than 300 hours battery life. If the battery is low (10%), the respective xFOB light bar will blink and give a sound signal to indicate low battery.
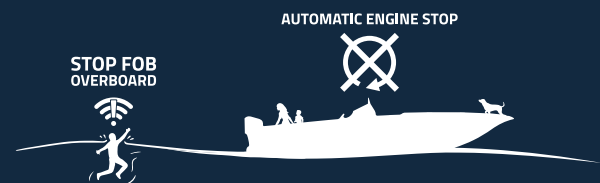
ALARM 1

ALARM 2

ALARM 3

STOP FOB

xHUB
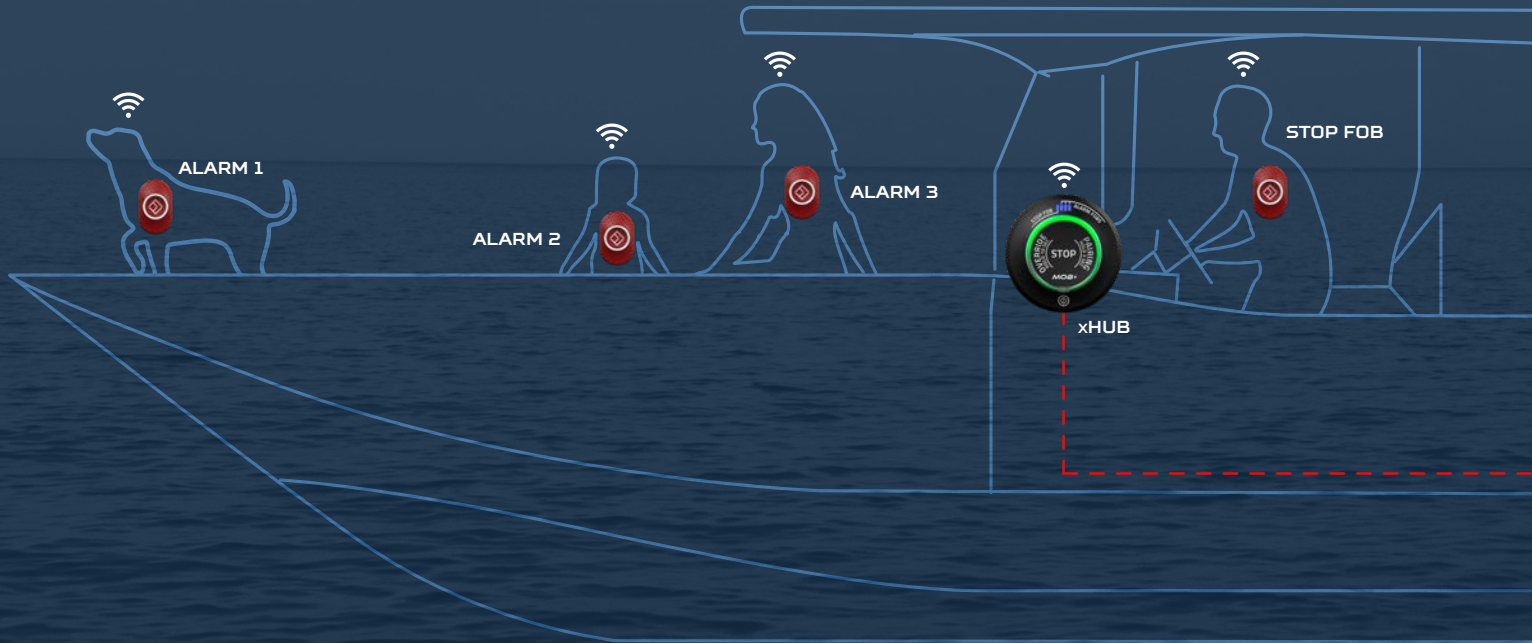
STOP FOB

CONNECTION: The first connected xFOB on each boat trip will be assigned as the "Master" and become the STOP FOB.
MOB EVENT: The STOP FOB will automatically shut down the engine if the pilot falls overboard.
MOB EVENT RESTART: After 6 seconds any remaining passengers onboard can restart the engine without interfering with the system.

STOP FOB
OVERBOARD

AUTOMATIC ENGINE STOP

ALARM FOB

THREE ALARM FOBs: In addition to having the STOP FOB, three additional xFOBs can be connected as ALARM FOBs for family, children, dogs or other crew members onboard.
ALARM FUNCTION: If any of the ALARM FOBs falls overboard the xHUB will sound the MOB Alarm, flashing on the xFOB indication bar and flashing red on the light circle. The alarm continuous until the STOP button on the xHUB is pushed to disengage the alarm.
MOB EVENT RECONNECT: In a MOB event where the STOP FOB falls overboard, remaining passengers with an ALARM FOB can choose to reconnect one of their xFOBs to become the new STOP FOB, successive connections will become ALARM FOBs as normal.

ALARM FOB OVERBOARD

ALARM

STOP FOB
● KILL SWITCH

ALARM 1

ALARM 2

ALARM 3

STOP FOB   ALARM FOBS

OVERRIDE   HOLD 10 SEC   STOP   PAIRING   HOLD 3 SEC

MOB+

CONNECTION SEQUENCE

FIRST CONNECTION

1

STOP FOB

SECOND CONNECTION

2

ALARM FOB

THIRD CONNECTION

3

ALARM FOB

FOURTH CONNECTION

4

ALARM FOB

STOP FOB   ALARM FOBS

STOP FOB   ALARM FOBS
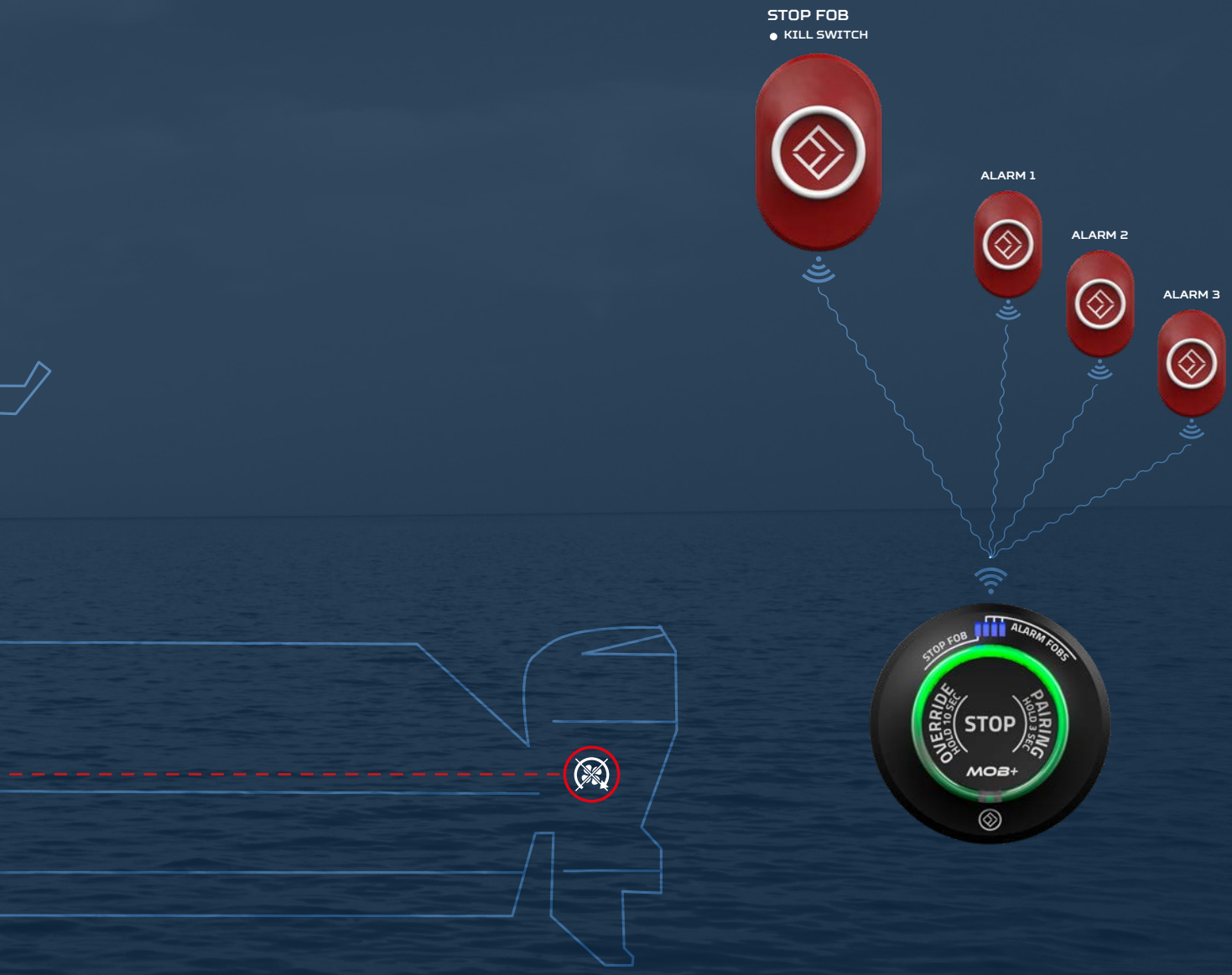
STOP FOB   ALARM FOBS
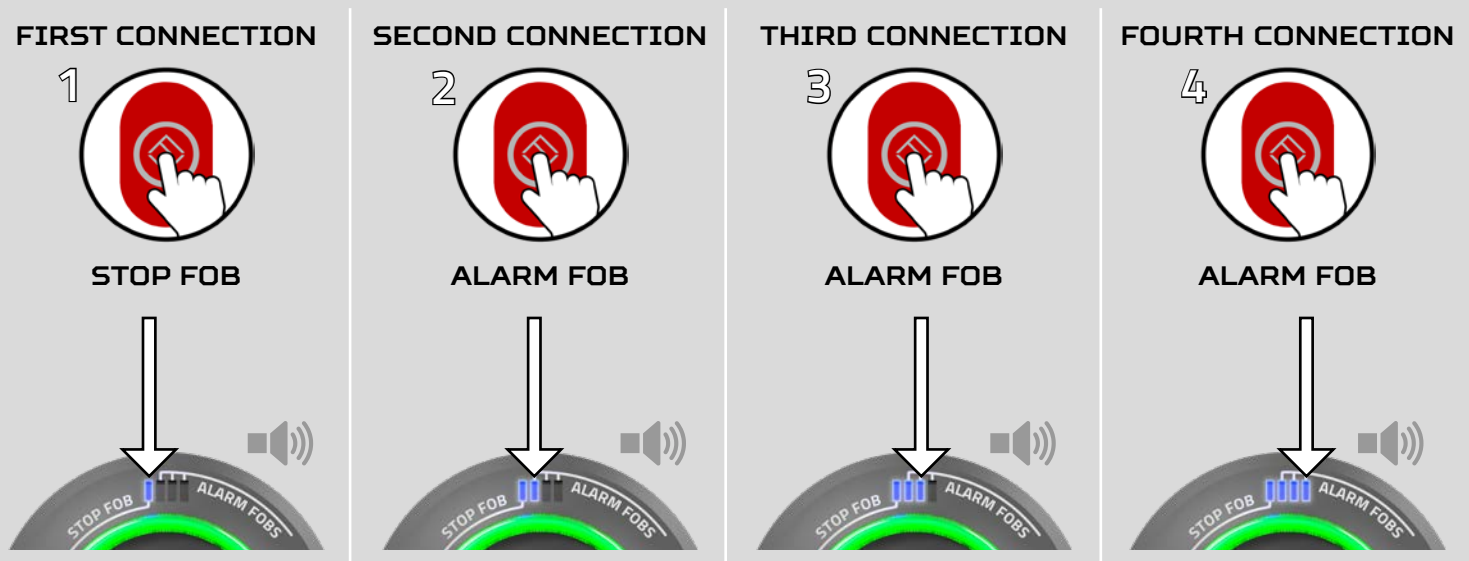
STOP FOB   ALARM FOBS

ALARM FOB FUNCTIONALITY

Connect
As you step aboard your boat, press the xFOB to connect to the xHUB.

STOP FOB Connected
When connecting the first xFOB it becomes the STOP FOB.

1

Connect ALARM FOBs
When connecting the second, third and fourth xFOBs they automatically become ALARM FOBs.

2
3
4

ALARM FOB OVERBOARD
If any of the ALARM FOBs goes overboard the xHUB will sound the MOB Alarm, and give a light signal.

Disengage Alarm
The alarm continues until the STOP button on the xHUB is pushed to disengage the alarm.

Reconnect ALARM FOB
Click the button on the ALARM FOB to reconnect.

Disconnect
Disconnecting the STOP FOB will disconnect all FOBs regardless of their connected state and shut down the engine(s).
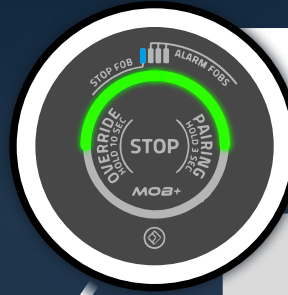
ALARM FOB OVERBOARD

ALARM

STOP FOB FUNCTIONALITY

Connect
As you step aboard your boat, press the xFOB to connect to the xHUB.
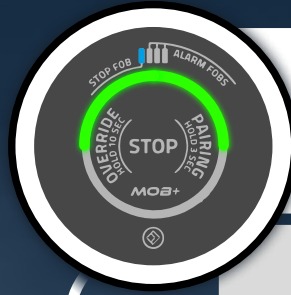
STOP FOB Connected
When connecting the first xFOB it becomes the STOP FOB.

Connect ALARM FOB with STOP Function
After connecting the first FOB; Press and hold the button on the xHUB for 3 seconds to activate STOP function on the next connecting ALARM FOB. The xHUB lights shifts between green and blue.

Immediately after releasing the button on the xHUB, click the button on the next xFOB to be connected as ALARM FOB with STOP function.

STOP FOB OVERBOARD
Should any of the STOP FOBs go overboard the system will disconnect all xFOBs and shut down the engine(s)

Direct Restart
6 seconds after shut down passengers can restart the engine(s) to save the person in the water.

Disconnect
When leaving the boat press the any of the connected STOP FOBs once to disconnect and shut down the engine(s).

STOP FOB OVERBOARD

AUTOMATIC ENGINE STOP

AUTO MOB

MOB MODE

MOB Mode (Man Overboard Mode) is the safety mode of the system. MOB+ will automatically activate shut down of the engine when the STOP FOB is submersed in 4 inches (10 cm) of water or travels out of range from the xHUB. When a FOB goes overboard, the xHUB sounds an alarm and flashes red in the light circle accompanied by flashing on the respective FOBs indication bar. This allows for identification of which of the connected FOBs that has fallen overboard. After 6 seconds, the system automatically activates Override Mode. In Override Mode, any passenger or crew on board can restart the engine without the need to interact with the MOB+ system. This allows for a quick recovery of the missing person in the water and enhances safety.

IN THE ZONE

As long as you stay within wireless range you are free to drive your boat and move about as you feel like. Just relax as MOB+ cares for you if a MOB event should occur.

IN THE WATER

Should you fall overboard the MOB+ will stop the engine because the wireless connection is lost when submerged in over 4 inches of water, even if you are still within 50 feet of your boat.

OUT OF RANGE

If you get out of the wireless range of MOB+, whether by falling overboard in the water or walking away from your boat on the docks, the engine will stop.

OB+™
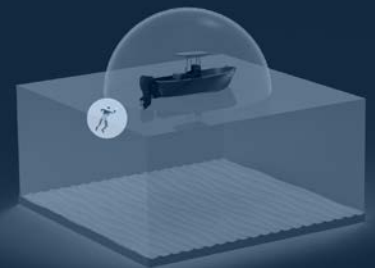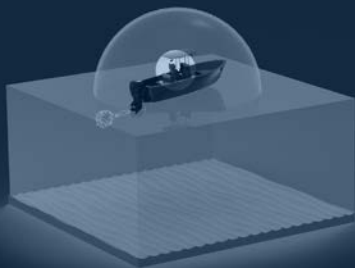
OVERBOARD SYSTEM

dStart™

Enhanced man overboard safety feature; The system automatically reengages the kill switch 6 seconds after a man overboard event, to allow any remaining passengers on board to restart the engine as normal without having to engage with the xHUB in the boat.

50 ft

MOB ZONE

SECURE EVERYONE ONBOARD

Connect up to four people to at the same time. Choose to connect an AlarmFOB with alarm only, or stop and alarm functionality. This unique feature enabled with the revolutionary WiMEA Protocol allows you to have any combination of ALARM or STOP functionality for your passengers, crew or pets onboard.

ALWAYS ON
NEVER INTRUSIVE

Easily switch pilots while driving, secure any kids or pets onboard with either an alarm or have the engine stop if they fall overboard. Unlimited freedom and safety enhances your performance onboard!

PRODUCT
INFORMATION

MOB+™ BASEPACK

MOB+™ Basepack is our base option to get started. In the Basepack you get all you need to start using MOB+. The Basepack consists of the xHUB™, xFOB™, Cables, Antenna, Cable Splices, User Manual and a CR2032 Battery for the xFOB.

NEW PRODUCT

AUTO MOB™

UNIVERSAL INSTALLATION
All engine brands and multiple engine configuration supported

4D COVERAGE ANTENNA™ DIVERSITY

12V OR 24V SUPPORTED

MOB+™ xFOB™

xFOB™ lets everyone using the boat have a wireless kill switch. The xFOB is the heart of the MOB+ system. xFOB is a small device, but packed with groundbreaking wireless technology. It weighs in at only 0.35 ounces and is only 1 3/4" long. The xFOB can be worn on your wrist, in your pocket, around your neck or clipped to your life jacket using either the xBAND™ or xTAG™ accessories. The waterproof xFOB™ has more than 300 hours of battery life, and is powered by an easy to change standard coin cell battery.

MOB+™ xTAG™

MOB+ xTAG™ is a complete kit for carrying the xFOB around your neck, on your belt or on your life jacket. The Clip-On is standard measure to fit on all garments and life jackets equipped with lash tab. Tip: The xTAG can also be placed on pets or small children.

MOB+™ xBAND™

The MOB+ xBAND is a highly durable marine-grade silicone wristband. This enables you to use the xFOB at your wrist, so it's always on and never intrusive. The xFOB fits perfectly inside the wristband. Choose your favorite color!

xHUB

- xFOB Connection Indicator
- Light and Sound Alarm
- Self-locking Nut
- Pairing, Override and Stop Button
- Internal Antenna
- External Antenna

228 mm (9 inches)
166 mm (6.5 inches)
49 mm (1.9 inches)
52 mm (2 inches)
66 mm (2.6 inches)
17 mm (0.7 inch)
62 mm (2.45 inches)

xFOB

- Button to connect/disconnect
- 300 hours battery life
- IP68 3 meters water resistant

11,5 mm (0.45 inch)
28 mm (1.1 inches)
44 mm (1.7 inches)

xFOB Battery
xHUB will indicate low battery on the xFOB by blinking the light bar respective to the connected xFOB.

MEASUREMENTS AND PERFORMANCE

Weight	164g / 5.8oz.
Housing material	ASA / TPU / PBT / POM – RoHS
Temperature range	From -15°C / 5°F to 55°C / 131°F
Voltage Source	10-32Vdc
Energy consumption Active mode	2.5W max. at 13.8Vdc, Standby: <30mA, <0.4W max. at 13.8V
Fuse	1A-3A
Alarm decibel level	>85db
Kill Switch max electricity	8A continuously, 10A puls

WIRELESS PERFORMANCE

Frequency area	EU: 868 MHz	US: 915 MHz
RF signal (in)	10 dBm max.	
RF signal (out)	10 dBm max.	
4D Antenna diversity	✅	

MEASUREMENTS AND PERFORMANCE

Weight	10g / 0.35oz.
Housing material	ASA / TPU / POM
Temperature range	From -15°C / 5°F to 55°C / 131°F
Voltage Source	Coin Cell Battery - 3V nominal
Power consumption	0.3 µA in sleep (0.00033 W) 30 mA in active mode (0.098W)
Battery life	300 hours continous usage

WIRELESS PERFORMANCE

Frequency area	EU: 868 MHz	US: 915 MHz
RF signal (in)	10 dBm max.	
RF signal (out)	10 dBm max.	
4D Antenna diversity	✅	

BATTERY XFOB

Battery type	CR2032
Battery voltage	3V lithium battery

KEY BENEFITS

- ⭐ Easy to use
- ⭐ Safety
- ⭐ Freedom
- ⭐ Always on
- ⭐ Cheap life insurance
- ⭐ Multiple connections

FAQ HIGHLIGHTS

- ⭐ xFOB: Waterproof: 10ft.
- ⭐ xFOB: Coin Cell Battery
- ⭐ xFOB: 300h Battery Life
- ⭐ xHUB: Battery Indicator
- ⭐ ALARM & STOP
- ⭐ xHUB: Override: YES

CERTIFICATIONS

Wireless	US: FCC Part 15C	EU: R&TTE - ETSI EN 300 220
EMC	US: CISPR16	EU: EN 301 489
IP Grade	xFOB™: IP68, xHUB™: IP67 EN60945	
Materials	RoHS (2002/95/EC)	
Flammability	IEC 60950 1&22	

We have tested and certified MOB+to meet all the current standards – for your safety. ABYC A33 & E-11 Compliant (US Emergency engine/propulsion kill devices standard)

COMPLIES WITH ABYC A-33 & E-11
ABYC
Boating Safety... Built In

Discover other marine safety on our website.