smartAIS

It could save your life

WatchMate XB-8000
*smart*AIS transponder

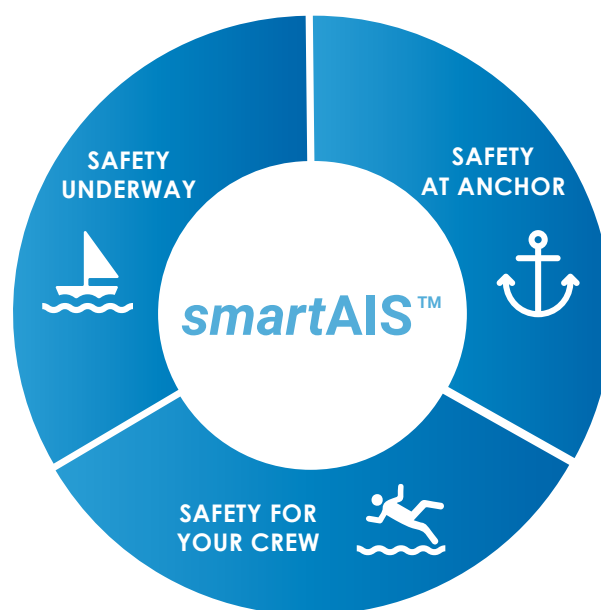**Built-in Collision Prevention, Anchor Watch and MOB Alarms**

DEDICATED ALARMS AND WIFI

The full-featured Class B *smart*AIS transponder from Vesper Marine has all the *smart*AIS functions of Collision Prevention, Anchor Watch and Man Overboard (MOB) Alarms actively keeping your vessel and crew safe.

It can be viewed on any tablet, smartphone, PC or Mac over WiFi or USB, but is continuously watching and alerting you even when your screen is off. Integrate it with your network of chart plotters, MFD's and NMEA instruments. All your navigation instrument data from NMEA 2000 or NMEA 0183 along with GPS and AIS is available on your mobile devices or PC for alarm management and critical action, giving you complete control of every situation.

- Sounds its own dedicated external alarm for anchor drag, man overboard or collision avoidance. Mount the external silence switch anywhere on-board.

- NMEA 2000 / 0183, WiFi and waterproof USB

- Fast 5Hz GPS update rate provides greater detail and higher resolution plotting

- Can be put in Silent Mode (receive-only)

- Includes 50 channel GPS with WAAS/EGNOS and powerful external GPS antenna

- Free WatchMate app for iPhone / iPad / Android providing interactive remote control

- Wide variety of compatible 3rd party apps for Windows, Mac, iPhone, iPad and Android.

THE *smart*AIS ADVANTAGE

SAFETY UNDERWAY

SAFETY AT ANCHOR

smartAIS™

SAFETY FOR YOUR CREW

SAFETY UNDERWAY - Collision Prevention
Continuously determine crossing situations, receive collision alarms with full vessel information for critical action.

SAFETY AT ANCHOR - Anchor Watch
Sleep soundly, knowing you'll be alerted if your anchor is dragging.

SAFETY FOR YOUR CREW - Man Overboard
Be alerted when your crew activate an AIS MOB device and see their current location for easy retrieval.

CONNECT - AS EASY AS IT GETS

Wireless
Splitter
USB
VHF Radio
NMEA 0183 or 2000
MFD   Wind   Depth   Heading   Others

NMEA GATEWAY, WIFI AND GPS

WatchMate XB-8000 translates NMEA 2000 instrument data such as heading, wind, depth, speed, log, and temperature. This allows you to view this data, along with GPS and AIS information, simultaneously on up to five WiFi devices (tablets, smart phones, computers) as well as computers via USB or plotters using NMEA 0183. For more than five mobile devices or to combine with on-board internet the XB-8000 can wirelessly connect to other WiFi routers.

ROBUST AND RELIABLE

- Fully waterproof, rated IPx7 (submersible to 1m for 30 minutes)
- Wide operating temperature range
- Galvanic isolated NMEA and USB connections prevent ground loops and damage to connected devices
- Self diagnosis status lights to indicate functioning AIS, GPS and antenna
- World-wide two year warranty

Incorporates Vesper Marine patented AIS technology.

TECHNICAL DATA

SIZE	200mm wide x 130mm high x 60mm depth 7 7/8" x 5 1/8" x 2 3/8")
POWER SUPPLY	10-32 VDC 2A max, 3W nominal
ENVIRONMENTAL	Watertight (IPx7)
OPERATING TEMPERATURE	-25°C to +55°C (-13°F to 131°F)
STORAGE TEMPERATURE	-25°C to +80°C (-13°F to 176°F)
NUMBER OF RECEIVERS	2 AIS, 1 DSC (timeshared)
NUMBER OF TRANSMITTERS	1 AIS
RECEIVE FREQUENCY RANGE	156.025 – 162.025 MHz
TRANSMIT FREQUENCY RANGE	161.500 – 162.025 MHz
AIS SENSITIVITY	-113 dBm < 20% PER
POWER OUTPUT	33 dBm (2W)
GPS SENSITIVITY	-159dBm tracking & navigation -142dBm acquisition
GPS DIFFERENTIAL SUPPORT	SBAS: WAAS, EGNOS, MSAS, GAGAN
GPS NAVIGATION RATE	Selectable 1Hz or 5Hz with magnetic variation included in output
SERIAL DATA	1 USB port (isolated), 1 NMEA input (isolated RS422), 1 NMEA output (RS422)
NMEA 2000 GATEWAY	Converts selected instrument PGN's to and from 0183, WiFi and USB
USB CONNECTOR	Mini USB (USB 2.0)
NMEA 2000 CONNECTOR	NMEA 2000 Micro-C male. Requires female drop cable (not included)
WIRELESS	802.11 b/g in Access Point or Client Mode
ACCESS POINT SECURITY	WPA2 Personal
CLIENT MODE SECURITY	None, WPA & WPA2 Personal

EASY INSTALLATION

- Compact low profile unit can be placed in any orientation
- All cable connection points are contained within the footprint of the unit
- External GPS antenna is included with small cable connector facilitating easy routing through holes and conduits
- Standard VHF antenna connection does not require special cables or connectors
- Fully NMEA 2000 certified for compatibility
- Interface with any devices over NMEA 0183, NMEA 2000, WiFi and USB
- Convenient remote configuration and troubleshooting via smart phone/tablet using WiFi