

# AIS WatchMate 850 Transponder



**ALWAYS  
ON  
ALWAYS  
VISIBLE  
ALWAYS  
WATCHING**

## WatchMate 850 includes a built-in Class B transponder incorporating GPS antenna

The innovative functionality of the WatchMate 850 includes:

- Full receive and transmission of all AIS data
- Built in GPS with GPS patch antenna
- Ability to connect to computers via waterproof USB
- Allows transponder to be put in Silent Mode
- Send AIS mayday safety message
- Unique VHF "in use" indicator (When used with Vesper Marine's VHF splitter)
- Self diagnosis to provide warnings if AIS, GPS or antenna are not functioning
- Simple installation, fully self contained, no need to wire an external GPS in most cases
- One of the lowest power consumption transponders on the market

## **i** AS EASY AS AIS GETS

Customers love the award winning features that have been designed to make AIS WatchMate the easiest device to use on your boat.

These features include:

- Alarm configuration and Filtering,
- Listing of vessels by target priority,
- Multiple profiles based on location,
- Plot future crossing positions,
- Low power consumption,
- Displays GPS status, position, course and speed,
- and of course WatchMate is a dedicated AIS safety instrument independent of all other equipment.

WatchMate has been designed to simplify the display of other ships AIS location and course information. As required WatchMate filters out non priority targets and only displays the vessels that may be on a collision course, removing the uncertainty and stress related to navigating in highly congested and isolated waterways.

The WatchMate installation is designed to be easy, with its built in GPS receiver, IP67 rated water proofing and multiple mounting options.

### EASY INSTALLATION

- Connection for optional external alarm
- Fully water proof, including USB connection
- Can be powered via USB during configuration
- Built in GPS antenna, doesn't have to have an external GPS antenna wired in
- Provides both flush and surface mount options
- Compact, fully self contained display
- Easy interfacing to optional computers, chart plotters or other devices
- Ultra low power consumption at 3 Watts

### SUPPLIED WITH

- WMX 850 with protective cover
- Mounting brackets
- Flush mounting hardware
- 2m Power / Data cable
- CD and User Manual
- \*As an Option - External GPS antenna
- \*As an Option - SP-160 Splitter
- \*As an Option - Waterproof USB cable

### TECHNICAL DATA

<b>Environmental</b>	Watertight (USCG CFR- 46, IPx7)
<b>Number of receivers</b>	2 AIS, 1 DSC (timeshared)
<b>Receive Sensitivity</b>	-113dBm
<b>Number of transmitters</b>	1 AIS
<b>Size</b>	208mm wide x 135mm high x 76mm depth (8 3/16" x 5 5/16" x 3")
<b>LCD panel</b>	125mm (5") FSTN 320x240 backlit
<b>Operating temperature</b>	-25°C to +55°C (-13°F to 131°F)
<b>Power supply</b>	12-24 VDC 3 watts nominal
<b>TX Power output</b>	33 dBm (2W)
<b>External alarm</b>	Maximum 150 mA
<b>Serial data</b>	1 USB port (mini), 1 NMEA input (RS422), 1 NMEA output (RS422)
<b>GPS</b>	50 channel, TNC for optional antenna
<b>VHF antenna required</b>	PL-259 connector. 50 ohm, max 2:1 VSWR



PATENT PENDING

As we are committed to continuously improving our products our technical data may be subject to change.

“It's so intuitive that a manual is not required. Great job! Congrats on a great product. *Jeanette & Jim Forrest, "Dancer", Palau*

Another great feature is the crossing display. Other AIS systems which only display the CPA don't tell you whether you should turn to starboard or to port, but it's obvious [what to do] from a glance at the WatchMate's CPA display. *Don Radcliffe, S/V Klondike, Florida*”



### YOUR LOCAL DEALER

This device has not been approved by the Federal Communications Commission. This device, is not, and may not be, offered for sale or lease, or sold or leased until approval of the FCC has been obtained.