

# AIS VHF Splitter



## Improve Performance and Make AIS Installation Easy

The new SP-160 Splitter has higher performance than any other AIS splitter, whether it's used with an AIS receiver or an AIS transceiver. It's also been designed to be used with other manufacturers AIS receivers and transponders making it very versatile.

This new splitter provides a convenient and intelligent junction box for VHF, AIS and AM/FM break out points. Using the SP-160 allows instruments like AIS WatchMate to be easily installed with a single tidy coaxial cable run to each device with only one cable to your shared VHF antenna.

The unique design of the SP-160 means it doesn't have the signal loss associated with other AIS splitters ensuring you can achieve full performance from your WatchMate (or other AIS receiver or transceiver).

The SP-160 improves AIS receive range by providing amplification to the AIS signal resulting in much higher AIS sensitivity - especially useful for receiving the growing number of 2W class B AIS transceivers.

## MORE RANGE, THE EASY WAY

### **i** VERSITILITY

#### An AIS VHF Splitter to compliment WatchMate or any AIS Receiver / Transponder

Key features include:

- Designed to work with any AIS transponders with unique integration features for the WatchMate 850.
- VHF-in-use indicator appears on the screen of the WatchMate 850 whenever the VHF radio is being used.
- No adapters or special patch cords needed for VHF/AIS. Uses standard PL259 patch cables.
- Very compact and easy to install with built-in mounting flanges.
- 4 status LED's (power, VHF transmit, AIS transmit, antenna quality).
- Provides AM/FM radio connection.
- Fail-safe - VHF can always transmit even if the power to the splitter fails.
- The unique antenna quality LED will indicate a problem with the antenna, cable or installation.
- Low power consumption.
- Works with both 12/24 volts.
- Allows VHF radio to have priority.
- Waterproof, IPx7 rated. Quality construction made specifically for marine use.

### **i** YOUR LOCAL DEALER



## TECHNICAL DATA

<b>RF Performance</b>	Frequency Range 156MHz to 163MHz
<b>Operating temperature</b>	-25°C to +55°C (-13°F to 131°F)
<b>Overall Size (incl connectors)</b>	135mm Long x 107 Wide x 56 Deep (5 5/16" x 4 13/64" x 2 13/64")
<b>VHF / AIS Connectors</b>	SO-239 (uhf)
<b>AM / FM Connectors</b>	BNC, optional cable available BNC to Motorola plug
<b>Power Supply</b>	12 - 24 VDC, <0.8W nominal
<b>AIS Receive Gain</b>	12dB
<b>Insertion Loss</b>	VHF RX 1.5dB / VHF TX 1dB / AIS TX 1dB
<b>AIS Sensitivity, with WMX850 Transponder</b>	-119 dBm, 6dB improvement



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