Offering high performance, at a low cost, the SmartFind AIS electronics range brings important safety advantages of the Automatic Identification System (AIS) to a wider range of vessels than ever before. Ideally suited for vessels, where the complexity of an AIS Class A Transponder is not necessary, the McMurdo SmartFind M10 AIS Class B Transponder and SmartFind M15 AIS receiver range will receive and process all AIS targets within 20 miles of the vessel, typical.
McMurdo SmartFind AIS Electronics Range

The SmartFind M10 AIS Class B Transponder transmits vessel position information and has a built-in GPS receiver to determine the vessels position, speed and course; and once this is combined with other navigational information, it is automatically transmitted without any user interaction. Engineered for flawless integration with a wide range of navigation systems, dedicated chart plotters and PC or Mac based software programs, the SmartFind AIS range have advanced interface capabilities, supporting both standard NMEA0183 interfaces as well as USB connectivity, they offer integration with the vessel’s other navigation equipment. The SmartFind M10 AIS Class B Transponder also has state of the art NMEA2000 duplex interface capabilities to support the latest generation of NMEA2000 navigation display devices.

The SmartFind M10, also has an SD card slot, which can be used as a data logger, enabling the capture of all messages — to assist in system and safety monitoring, including incident investigation. 4Gb card will store approximately 30 day’s worth of data. The ‘Silent mode’ option, allows the user to temporarily stop the broadcast of identifying information on occasions where either privacy or security is required.

**SmartFind M10**
- GPS
- In built data logger
- NMEA 2000
- NMEA 0183
- USB
- 12/24v DC
- WiFi (M10W version)

**SmartFind M15**
- AIS Receiver
- Dual channel
- NMEA
- USB 2.0
- 12/24V DC or USB power
- Compact and economical
- Splitter (M15S version)

Specifications for all units

**ENVIRONMENTAL**
- Operating Temperature: -15°C-55°C
- Storage Temperature: -25°C-70°C
- Humidity Operation: 0-95% RH at 40°C
- Vibration: IEC 60945
- Waterproof: IPX2

**PHYSICAL**
- Size in mm (w): 128mm
- Size in mm (h): 36mm
- Size in mm (d): 88mm

**TYPE APPROVAL**
- CE, FCC — M10 models only
- Check the McMurdo website for additional type approval information.

**OPERATION**
- AIS CH-1: 161.975MHz
- AIS CH-2: 162.025MHz
- Number of AIS Receivers: 2 channel
- Message Format: AIS Class A & B

**POWER SUPPLY**
- Supply Voltage: 12/24V DC
- Power Consumption: <4 Watt @ 12V

**INTERFACE**
- VHF Antenna Connector
- Female Type M (PL 259)
- NMEA 0183: 38400(default), 4800 bps USB2.0 Supported

**Model Specific Specifications**

**M10**
- Led Indication: Power, Error, AIS Rx,
- Tx/Silent, SD
- Tx Power Output: 2 Watt (33 dBm ±1.5dB)
- Rx Sensitivity: ≤107 dBm @20% PER
- NMEA 2000: Connector
- NMEA 0183: (RS-422), Support two
- Baud rate configurable (default 38,400 bps)
- Separate Tx/Rx baud rate.
- Weight: 250g
- GPS: 50 channel, GPS antenna included

**M15**
- Led Indication: Power, Error, AIS Rx,
- Radio Tx
- (M15S model only)

**Wireless connection: IEEE 802.11 b/g/n (Smartfind M10W only)**

**VHF Radio (M15S)**
- Female Type M (PL 259)
- VHF Port Insertion Loss (M15S)
- Receiver Path 3.5dB, Transmit Path 1.2dB
- Weight 210g (incl. cable)
- USB power option included

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