



Smartfind M12 Class B AIS Transponder Series

Advanced Class B+ Technology for Demanding Mariners

The McMurdo M12 Series combines high-performance Class B+ AIS technology with advanced connectivity features for users who demand greater visibility and enhanced integration.

Designed to provide dependable AIS performance, enhanced situational awareness and seamless integration with modern onboard electronics.



SmartFind M12 Class B AIS Transponder Series

Utilising 5W SOTDMA transmission technology, the M12W and M12WS offer increased transmission power and more frequent reporting intervals compared with traditional Class B transceivers, helping improve vessel detection in busy waterways and offshore environments.

Integrated Wi-Fi connectivity enables AIS data to be shared directly with smartphones, tablets and PCs, supporting both Access Point and Client operating modes. Whether connecting to onboard navigation systems or mobile charting applications, the M12 Series provides a powerful and flexible navigation solution.

The flagship M12WS further simplifies installation through the addition of an integrated VHF splitter, delivering a complete AIS, Wi-Fi and antenna-sharing solution in a single compact unit.

M12 Series Key Features

- AIS transmit and receive functionality
- External GNSS antenna included
- Simple installation
- Compatible with chartplotters and multifunction displays
- Robust waterproof construction
- Integrated Wi-Fi with Access Point and Client modes
- Integrated VHF antenna splitter for single antenna installations - M12WS model only

Introducing the full McMurdo SmartFind Class B AIS Range

Delivering reliable vessel visibility, enhanced situational awareness and seamless connectivity, the McMurdo AIS Range has been designed to meet the needs of today's leisure, cruising and professional mariner. Combining proven AIS technology with modern networking capabilities, the new M11 and M12 Series, 4 models in total, provide a complete solution for vessels seeking greater safety and confidence at sea.

From cost-effective Class B transceivers to advanced Class B+ models with Wi-Fi and integrated VHF antenna sharing, the McMurdo AIS range offers a model to suit every installation. Featuring NMEA 0183, NMEA 2000 and USB-C connectivity as standard, all models are engineered to integrate effortlessly with chartplotters, multifunction displays and navigation software.



Why Choose McMurdo AIS?

The new McMurdo AIS range builds on decades of maritime safety expertise, delivering dependable performance, straightforward installation and modern connectivity in a robust marine-grade platform.

Every model includes an external GNSS antenna, NMEA 0183 and NMEA 2000 networking, USB-C connectivity and support for both 12V and 24V DC systems.

With options ranging from entry-level Class B transceivers to advanced Class B+ solutions with Wi-Fi and integrated VHF splitting, McMurdo AIS products provide the confidence, awareness and connectivity needed for safer navigation in today's marine environment.



CSTDMA vs SOTDMA Comparison Table

Feature	Class B (CSTDMA)	Class B+ (SOTDMA)
AIS Technology	Carrier Sense Time Division Multiple Access	Self-Organised Time Division Multiple Access
McMurdo Models	M11, M11S	M12W, M12WS
Transmission Power	2 Watts	5 Watts
Position Reporting Rate	Every 30 seconds (typical)	Up to every 15 seconds (depending on vessel speed)
Slot Management	Uses available AIS time slots	Actively reserves future transmission slots
Priority on AIS Network	Lower	Higher
Visibility to Other Vessels	Excellent for recreational boating	Enhanced visibility in congested waterways
Performance in Busy Areas	Good	Superior

Technical Specifications

Model	McMurdo SmartFind M12W Class B+ Transponder with Wi-Fi and GNSS Antenna (10m Cable)	McMurdo SmartFind M12WS Class B+ Transponder with Wi-Fi and Integrated VHF Splitter and GNSS Antenna (10m Cable)
AIS Classification	5W SOTDMA	5W SOTDMA
GNSS Antenna	10m GNSS Antenna	10m GNSS Antenna
Wi-Fi	Yes	Yes
Integrated VHF Splitter	No	Yes
NMEA 0183	Supported	Supported
NMEA 2000	Supported	Supported
USB Interface	USB-C	USB-C
Power Supply	12V / 24V DC	12V / 24V DC
Environmental Rating	IP68	IP68
Dimensions	151.25 x 128.6 x 50 mm	151.25 x 128.6 x 50 mm
Weight	400 g	400 g
Part Number	21-200-005A	21-200-006A

