Smartfind M5 features ensure ease of use

Smartfind M5 provides automated AIS communication from 'ship-to-ship' and 'ship-to-shore', transmitting and receiving vessel, voyage and safety related information. Own vessel voyage, position and course information is automatically transmitted and the AIS information provided by other ships in the vicinity, shore based stations and AIS equipped aids to navigation is clearly displayed.

The complete AIS solution

The comprehensive interface capability of Smartfind M5 supports connection to a vessel's existing navigation sensors; connection of Electronic Chart Display and Information System (ECDIS), or Electronic Chart System (ECS) using NMEA, NMEA2000 or USB interfaces. Smartfind M5 is suitable for all vessels that are required by legislation to fit AIS equipment.

OPTIMISED FOR USE WITH

S10
AIS Beacon

S20
AIS Beacon

MOB alarm

Smartfind AIS M5 specifications

Technical Data

Standards: Meets the requirements of the international standards for Class A Shipborne AIS systems; IMO Resolution A.694(17), IMO MSC.74(69) Annex 3, IMO Resolution MSC 191(79), ITU-R M.1371-4, ITU-R M.1084-5, ITU-R M.825-3, IEC 60945, IEC 61993-2, IEC 61162-1,2,3, IEC 61108-1, IEC 62288.
Type Approvals: Marine Equipment Directive (MED) 96/98 EC, 2011/75/EU,2012/32/EU
Visit www.mcmurdomarine.com for latest information

Technical specifications

Power consumption: 9W average, 65W peak @ 12V DC
Power supply requirements: 12/24 VDC
Default Frequencies: AIS1 161.975 MHz, AIS2 162.025 MHz
DSC channel 70: 156.525 MHz

AIS Transceiver
Power output: 12.5 Watt / 1.0 Watt
Frequency range: 156.025-162.025 MHz

DSC Receiver
Frequency range: VHF Channel 70 (156.525 MHz)

Connection Interface
VHF antenna: PL259, 50 Ohms
GNSS antenna: TCN, 50 Ohms
DC Power, Mini USB, 37 pin data connector.
Interface ports: RS-422, IEC 61162-1,2
3 x navigation sensor input ports SEN1, SEN2, SEN3 and SEN4
2 x Bi-directional input/output ports MAIN and AUX/Pilot
1 x Bi-directional input/output port LR (Long Range)
1 x DGNSS correction input
1 x NMEA 2000
Alarm relay output
Integral GNSS: 50 channel GPS receiver, SBAS, MSAS, WAAS, GAGAN and EGNOS enabled. Supports DGPS correction by AIS msg 17 or RTCM input port.
Provides UTC and fallback navigation position for AIS.

Controls
Display: 3.5" 320 x 240 colour TFT LCD
Backlight: Multi level
Viewing Mode: Map outline, Radar view, Target List, Message views.
Controls: 6 keys, Multi-Function Knob

Environmental
Operating temperature: -15 º C to +55 º C
Storage temperature: -20 º C to +70 º C
General: IEC 604945 protected category
Control unit: IPX2

Physical
Width x Height x Depth: 261 x 184 x 102 mm
Mounting: Desk bracket and panel fixing kit included
Weight: 2.5 kg
Breakout junction box
Screw termination connection block.
Width x Height x Depth: 165 x 55 x 85 mm

GPS antenna
Size: Diameter 90.8 mm x 104.7 mm high
Mounting: 11/4 inch thread
Cable 10m, connector (fitted): TNC 50 Ohms

Pilot Plug box
IMO compliant socket with 2m cable
Width x Height x Depth: 104 x 60 x 40 mm

Items included:

- Transponder unit with colour display ■ GPS antenna
- Junction box and link cable ■ Pilot plug – remote socket box
- Companion PC AIS Viewer Software

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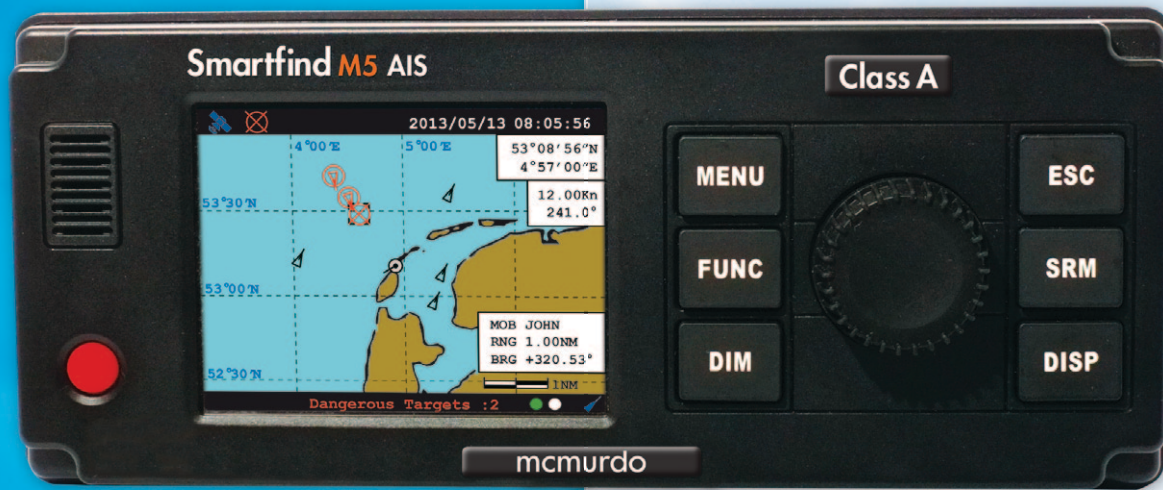www.mcmurdomarine.com

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Smartfind M5
AIS CLASS A Transponder

Features AIS MOB SART alarm to aid MOB recovery

COLOUR   2 yr   GPS

Smartfind M5 AIS

Class A

mcmurdo

The **Smartfind M5 AIS Class A Transponder** gives mariners the ability to view at a glance the AIS status of vessels all around them and provides access to a host of detailed vessel navigation information. A compact single box solution, the Smartfind M5 features.

- Compact Design
- 3.5" colour LCD display
- Embedded coastline map
- Detailed target list and Radar overview
- Features AIS MOB SART alarm to aid MOB recovery
- GPS antenna
- Cable junction box
- Mounting kit and flush mount
- PC AIS Viewer software

Low cost, reduced size and easy installation make the M5 ideal to meet the budgets and demands of owners and vessel operators.
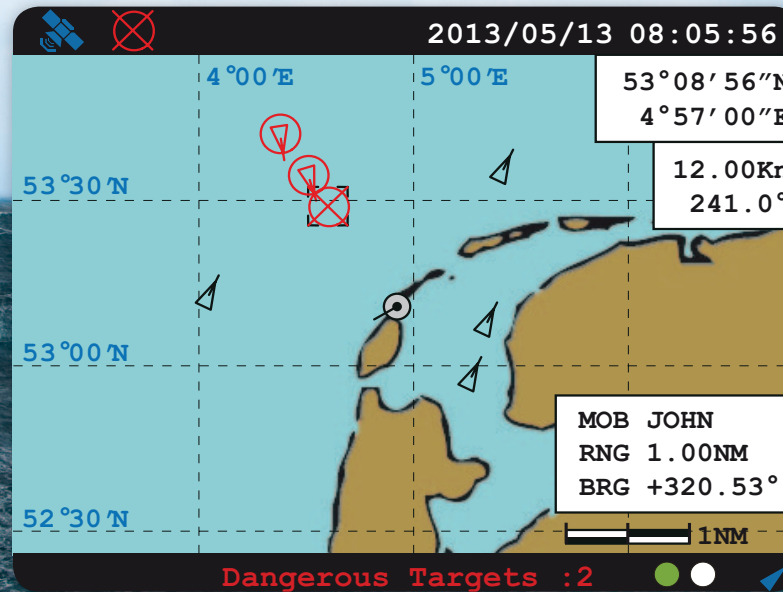

Pioneering Safety features

Smartfind M5 is a flexible, user-friendly and cost-effective AIS Class A transponder, incorporating a fully comprehensive AIS MOB and AIS SART alarm to aid MOB recovery. It provides on screen indication and internal buzzer when any AIS SART/ MOB TXID is received, an optional remote waterproof (MOB / alarm) sounder is also available. It also allows a "buddy list" of the vessels own AIS MOB IDs and associated crew name and has a steer to rescue MOB casualty target screen. The AIS MOB alarm feature is compatible with the McMurdo S10 AIS Beacon, Smartfind S20 SRS and other AIS SART devices.

Smartfind M5
AIS Class A Transponder

COLOUR	**MOB alarm**	**Meets EU fishing mandate**
Colour screen	MOB alarm	Meets EU fishing mandate
GPS	**2 yr**	**NMEA2000**
GPS	2 year warranty	NMEA2000

Display readout

2013/05/13 08:05:56

53°08'56"N
4°57'00"E

12.00Kn
241.0°

MOB JOHN
RNG 1.00NM
BRG +320.53°

1NM

Dangerous Targets :2