

# NAUTICAST A2

## Nauticast A2 Class A AIS Transponder

The robust AIS solution for professional use, both SOLAS and Inland

### Easy installation, full connectivity

Single-box design with integrated colour display for easy installation. RS232/RS422 interfaces (NMEA 0183) allow for integration with other ship systems. Pilot plug and USB connector located in front panel give easy access to static and dynamic data.

### Reliable and future proof

The NAUTICAST A2 is regarded by many as the most reliable device in its class, exceeding all relevant specifications (IMO, ITU, IEC and CCNR). Built as SDR (software defined radio) it offers maximum capability for upgrades to future technical standards.



[www.nauticast.com/en/cms/a2](http://www.nauticast.com/en/cms/a2)

**FCC** FCC Equipment  
Authorization  
2AEIINAUTICASTA2

USCG: 165.155/EC0735/4322749

Inland approved



WSV.de  
R-4-305

(CCNR Standard 2.0)

Wheelmark approved



4581/001/4322749/15

(ITU-R M.1371-5)

### Other main features

- Weatherproof & compact design
- Pilot plug and USB located in front panel
- Quick software upgrade via USB
- SART alarm and test support
- Intuitive graphical user interface
- Languages EN, DE, NL, FR, HU, ES, RO

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## Specifications & Accessories

### Technical Specifications

■ <b>Model</b>	<b>Nauticast A2</b>	■ VHF:	SDR Transceiver Frequency 156-163 MHz Output power 1/12.5W (±1.5dB) Sensitivity < -111 dBm Connection: BNC female
■ Size:	237x70x170 mm	■ GPS:	50 Channels Frequency: L1(1575.42 MHz) Update rate: 1 Hz Antenna feed: 5 V DC Cconnection: TNC female
■ Weight:	2,20 kg	■ Accuracy:	Position <2.0 m DGPS (CEP) Position <2.5 m GPS (CEP) (SA off)
■ Power:	24VDC (12VDC) 17W avg consumption, 24W (48W) peak 1A (4A) peak current	■ Sensitivity:	Tracking -162 dBm Cold Start -148 dBm
■ Interfaces:	5 x RS422 / 1 x RS232 1 x USB 1 x Digital In (e.g. Blue sign) Alarm Relay / Pilot plug		
■ Environmental:	Protected (EC 60945-Ed.4) -15 °C to 55 °C		

### Box Content & Recommended Accessories

Purpose	Description	Prod. No.
<b>Box Content</b>	Nauticast A2 device, power cable, printed installation & operation guides; USB-Stick with full documentation & firmware (optional: printed product manual, Art.No. 1001001-2)	100 1001
<b>Mounting</b>	Standard mounting bracket Gimbal mounting bracket	100 1005 100 1006
<b>Interface</b>	Connection Box for A2 Data cable A2 for Connection Box 2m Data cable A2 with open ends (labelled individually) Alarm Relay for A2	100 1011 100 1013 100 1003 100 1010
<b>Upgrade</b> (from previous Nauticast AIS SOLAS/Inland models)	Retro fit frame drop-in mount (replacing X-Pack/X-base models) Upgrade cable for VHF and GPS Set: Upgrade data cable / Inland Upgrade cable sensor / data only Upgrade cable Blue Sign only Interface cable for connection box (model for AIS/X-Pack)	100 1052 100 1007 100 1008 100 1008-1 100 1008-2 100 1004
<b>GPS Antennas</b>	MA700 GPS antenna with 10m cable (TNC male) AT575-68 GPS antenna (without cable) plug: TNC female	100 1020 300 1019
<b>VHF Antennas</b>	VH-3200 VHF Whip antenna with 5m cable and mounting gear Procom CXL 2-1/I N	100 1028 100 1035
<b>Combi Antennas</b>	Comrod AC17 with splitter AC Marine VHF/GPS-2 with splitter	100 1025 100 1027

Note: AIS type approval requires operation in Solas or Inland-mode with one of the certified GPS antennas (MA700 or AT575-68 or combi-antenna AC-Marine VHF/GPS-2). In compliance with the certifications the VHF antenna may be any technically equivalent marine VHF antenna.

### Inquiries & Orders

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