ACR THE SCIENCE OF SURVIVAL

ADVANCED AIS CLASS A TRANSPONDER
AISLink™ CA2

Designed as a compact single unit solution, the AISLink CA2 can exchange dynamic and static ship data with other AIS systems. The AIS message sending functionality is simple to use and the 7" full-color display provides real time marine traffic information. An instant message and alarm function provides immediate notification of hazards, including deployment of AIS Man Overboard Devices which are available as part of ACR's comprehensive suite of AIS products.

Class A
AIS Transponder

Compact single unit solution with full color display

AISLink™ CA2
ADVANCED AIS CLASS A TRANSPONDER

The AISLink CA2 AIS Transponder is a fully compliant Class A transceiver designed to complement the existing range of maritime safety equipment from ACR Electronics. Used as an aid to collision-avoidance, the CA2 combines the trusted technology and fluid product design that have become synonymous with ACR products.

The coastline map view and radar view have various orientation display options allowing for user preference whilst a standard target list display gives immediate detailed listings of nearby vessels which can be sorted to the owner's desire.

The AIS message-sending functionality is simple to use, ensuring safety related messages can be quickly delivered or received by the user with very little effort. An instant message and alarm function provides immediate notification of any potential problems or hazards including the deployment of ACR's AISLink Man Overboard Beacon. It is also compatible with all other AIS Man Overboard devices including Ocean Signal's MOB1, the world's smallest Man Overboard AIS/DSC device.

Dynamic data such as location, speed over ground and course over ground is calculated automatically using the integrated 99-channel GPS receiver, while the static and voyage related data such as MMSI, call sign and name, type of ship, destination, ETA etc. is easily programmed into the AIS transponder via a user-friendly menu interface.

This single unit solution to meet AIS requirements ensures a minimal use of bridge space and its surface or free-standing mounting options allow for easy installation into almost any position or location. It also includes multiple connectivity options including WiFi, USB port, serial and Pilot plug.

The AISLink CA2 AIS Transponder Class A unit meets the requirements of the EU MED (Wheelmark) Directive and USCG/FCC regulations. It also complies with the EU Inland Waterways standard, administered by the CCNR.

- Compact single unit solution
- AIS Message Send Functionality
- Incoming message & alarm display
- USB and Wifi for PC and Tablet connection
- Full Color Display
- Simple to install and use
- Supplied with GPS Antenna
- Waterproof Construction IPx7

SPECIFICATIONS

Product Number: 2666
Model Number: CA2

General

Temperature Range	5°F to 131°F (-15°C to +55°C)
Waterproof	IPx7 (1 meter for 30 minutes)
Supply Voltage Range	9.6V to 31.2V
Dimensions	8.5" x 8.3" x 5.9" (214 x 211 x 150 mm)

Interfaces

Serial ports	IEC61162-1 & -2, 3 Rx only, 3 Rx/Tx / Pilot Plug / USB[1]

Transmitter

Transmit Power	12.5/1 Watts
Frequency Range	156.025 – 162.025 MHz
AIS Modulation	GMSK: BT 0.4

Receiver

Sensitivity	-107 dBm for 20% packet error rate
Frequency Range AIS RX1 & RX2	156.025 – 162.025 MHz
Frequency DSC	156.525 MHz

GPS

Receiver	High Sensitivity
Channels	99 (acquisition) / 33 (tracking)

Compliance

Approvals	MED, USCG/FCC, Transport Canada
Standards	IEC61993-2, IEC60945, IEC62288[2]

[1] For Maintenance/Configuration
[2] AIS Operation Only