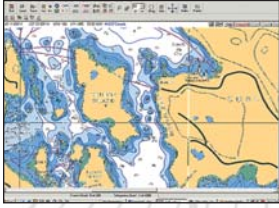# ComNav®

Mariner X2
Class B AIS Transceiver
Automatic Identification System

Enhanced Safety and Security at Sea

- Safety — See and be seen using your on-board chart plotter
- Display graphically AIS target overlay on standard radars and multifunction chart displays
- Wireless exchange — Navigation status between vessels and shore traffic monitoring centers
- Vessel monitoring of Class A and Class B Transmissions over standard VHF frequencies
- Allows fleet of vessels to be efficiently monitored and port traffic better managed
- Type approvals: FCC, USCG standard in USA, R&TTE Europe, and IC in Canada
- IP67 waterproof enclosure design with marine grade connectors
- Small and rugged, shock and vibration resistant
- Standard NMEA 0183, NMEA 2000® and USB interface
- Silent mode — User selectable
- Built-in 50 channel GPS receiver complemented by an integrated GPS antenna
- Four LED status indicators
- Includes Pro AIS2 software for configuration and diagnostics
- Easily upgradeable through PC software via USB
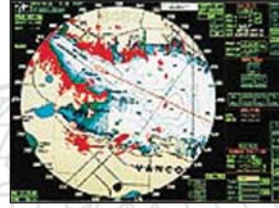- Meets CE requirements
- 2 year warranty

Safety
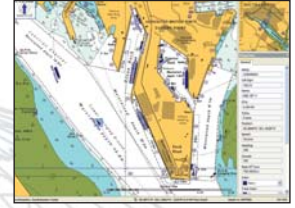AIS improves safety on water through enhanced navigation awareness and reduces search and rescue times.

Security
AIS helps to identify and track vessels and improve border security. Improve coast guard response time by transmitting precise navigation data.

Vessel Monitoring
AIS enables automatic control and intruder or vessel movement alerts within designated areas.

Port Vessel Traffic Management
AIS enables port traffic management by using precise tracking and identification data.

SPECIFICATIONS:

Power: 12 to 24 VDC
Power Consumption: 150mA @12VDC, <2W average

CONNECTIONS
GPS Receiver: AIS internal
50 channels
IEC 61108-1 compliant

DATA INTERFACES
USB
NMEA2000®
IEC61162-1: NMEA0183 output, 38400baud
IEC61162-1: NMEA0183 input, 4800baud
Silent mode switch input

VHF TRANSCEIVER
Transmitter x 1 / Receiver x 2
Frequency: 156.025 to 162.025 MHz in 25KHz steps
Output power: 2W
Receiver sensitivity: <-110dBm @ 20% PER

USER INTERFACE
Four LED indicators for power, transmit timeout, error and silent mode

ENVIRONMENTAL
IPx7 rated for water ingress
IEC 60945 'Protected' category
Operating temperature: -15°C to +55°C

COMPLIANCE: FCC, USCG, R&TTE, IC, RoHs
Standards and Approvals
IEC62287-1 Edition 2
ITU-R M.1371-4
IEC60945 Edition 4
IEC61162-1/2 Edition 2
IEC61108-1
NMEA2000® Edition 2.20
Supplied with
2m power and NMEA0183 data cable
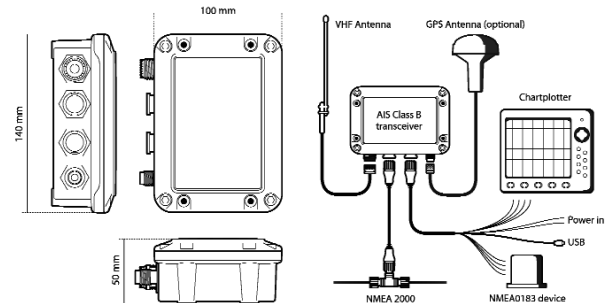1m USB cable
proAIS2 configuration software
User manual and quick start guide
Fixing screws

GPS ANTENNA OPTIONAL

X2 AIS TRANSCEIVER

VHF ANTENNA or VHF SPLITTER to ANTENNA (CUSTOMER SUPPLIED)

OPTIONAL CHART PLOTTER

DIMENSIONS: 140mm x 100mm x 50mm / 5.51" x 3.94" x 1.97"

WEIGHT: 280g

100 mm

VHF Antenna

GPS Antenna (optional)

Chartplotter

AIS Class B transceiver

140 mm

50 mm

Power in

USB

NMEA 2000

NMEA0183 device

ADDITIONAL FEATURES:

- Supplied with configuration and set up software
- Data display for MMSI, vessel name, call sign, vessel type, etc.
- GPS display of position, COG and SOG
- GPS diagnostics and satellite signal bar chart
- Key status indicators
- Shows Transponder software and firmware version
- Displays receiver and transmitter statistics
- Displays Class A, Class B, base station and A to N target data
- Real time display for serial data output
- Ability to log data to file

ComNav®

Certified System ™
ISO 9001

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Worldwide Service

Represented by:

Specifications subject to change without notice