

ComNav®



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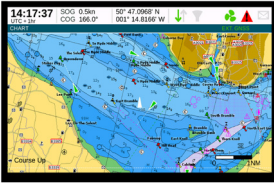
Class A AIS Transceiver Automatic Identification System *with Chartplotter*

Security for Deep Sea and Inland Waterways

- Compact design
- Intuitive and simple operation
- High-contrast, backlit color display
- Supports GPS, GLONASS, Galileo & BeiDou
- SOLAS, MED, FCC, Inland Waterway, Industry Canada certified
- Meets IMO Resolutions: A.694 (17), MSC.191 (79), MSC.74 (69), ITU-R M.1371-5 (2014)
- AIS data target overlay on standard radars and multi-function chart displays
- Monitors vessels of Class A and Class B
- Effective Port Traffic Management using Class A and Class B data
- Helps reduce search & rescue time
- MOB & SART alert tracking
- Available in various languages (optional)
- Optional encryption for additional security
- IPx6 & IPx7 rated
- CE and FCC for EMC compliance
- Shock and vibration resistant
- Worldwide service



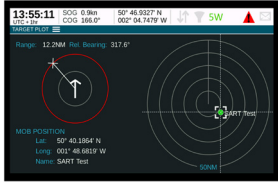
Detailed Chart



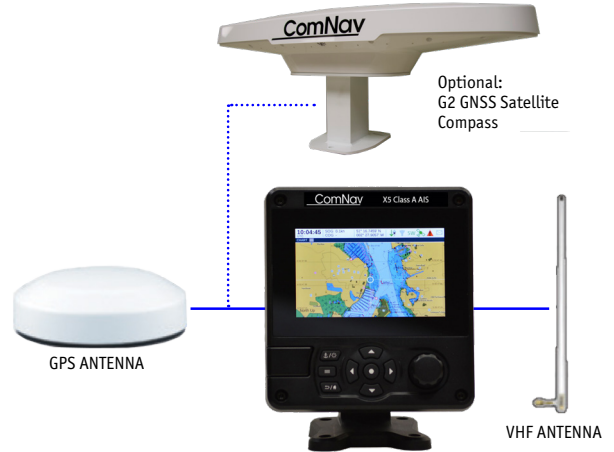
Radar View



MOB Tracking



Collision Alert



ELECTRICAL SPECIFICATIONS

Power Supply: 12 to 24VDC
Power Consumption: <12W

CONNECTORS

VHF Antenna Connector: S0-239 / UHF
GNSS Antenna Connector: TNC
Power: 2-pin connector (cable provided)
Serial Interface & Alarm Relay: 18-pin connector (cable provided)
Serial Inputs: 14-pin connector (cable provided)
NMEA 2000®: Micro Connector

VHF TRANSCEIVER

Transmitter: 1
Receiver: 3
Frequency: 156.025MHz to 162.025MHz
Output Power: 1W or 12.5W (automatic)
Channel Bandwidth: 2.5Hz
Channel Step: 2.5Hz
Modulation Modes: GMSK-TDMA
Bit Rate: 9600bits /sec
Receiver Sensitivity: -107dBm @ 20% PER

DATA INTERFACES

NMEA 0183 (IEC61162-2) Bi-directional Ports: 3
NMEA 0183 (IEC61162-1) Sensor inputs: 3
DGPS Correction Data Input (ITU-R M.823-2): 1
Alarm Relay Output: 1
NMEA 2000®: 1
WiFi: 802.11 b/g/n
Pilot Port: 1 (optional)

STANDARD COMPLIANCE

AIS Standard: IEC61993-2 Ed 2.0
 ITU-R M. 1371-5
 CCNR VTT Ed 2.0
Serial Data Interfaces: IEC61162-1 Ed 4.0
 IEC61162-2 Ed 1.0
 IEC61162-3 2008 Ed 1.2
Environmental Standard: IEC60945 Ed 4.0
GNSS Performance Standard: IEC61108-1 Ed 2.0
Product Safety: IEC60945 Ed 4.0

GNSS RECEIVER & ANTENNA

Channels: 72
GNSS Systems: Support parallel dual mode operations from GPS and GLONASS
IEC61108-1: Compliant
IEC61108-2: Compliant
GNSS Antenna: Supplied

USER INTERFACE

5" 800x480 Full Color LCD Display
 Rotary Encoder for Selection and Entry
 Four Menu Keys and Four Direction Keys
 Micro SD Card for Software Updates and Charts

PHYSICAL SPECIFICATION

Dimensions: 152mm x 165mm x 111mm
Weight: 1.5kg

ENVIRONMENTAL

Waterproof: IPx6 & IPx7 rated for water ingress
IEC 60945: Protected Category
Operating Temperature: -15°C to +55°C
Maximum Operating Humidity: 90% at +40°C, non-condensing

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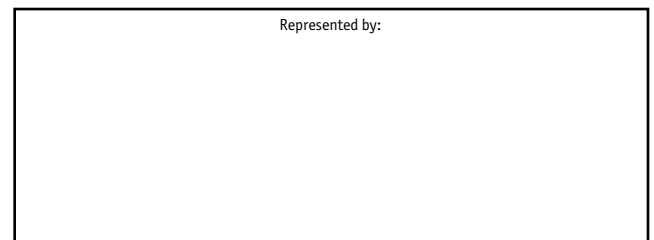


ComNav Marine Ltd.
 #15-13511 Crestwood Place,
 Richmond, British Columbia • Canada • V6V 2G1
 Phone: 604-207-1600 • Fax: 604-207-8008
 E-mail: sales@comnav.com

www.comnav.com
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Specifications subject to change without notice

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