AIS comar SYSTEMS

ⓘ **PREVIOUSLY KNOWN AS THE SLR400NG**

RECEIVERS

R400NG NETWORK AIS RECEIVER WITH ETHERNET & GPS

SKU: 001-1044

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OVERVIEW

The R400NG is an AIS receiver unit with built in GPS Receiver and Ethernet interface, designed specifically for coastal monitoring of AIS equipped vessels.

Connected to an Ethernet Network and directly or via a Router to a PC running compatible software, AIS data transmitted from ships within range can be displayed on the screen giving a visual interpretation of the traffic within VHF range. The unit can also be mounted at a remote location and AIS data sent over the Internet to a fixed IP address for use on a dedicated server.

The R400NG has been specifically designed for use by the professional market and uses Comar's well proven and internationally specified high sensitivity dual channel parallel receiver.

FEATURES

- **Industry Grade Dual Channel AIS Receiver**
- **Ideal for land-based monitoring of sea traffic**
- **With Ethernet network connectivity**
- **With Internal GPS Receiver**
- **Ideal for feeding vessel tracking data to a website or a vessel monitoring server**
- **Rugged plastic housing**
- **Supplied complete with software**
- **Quick and easy to configure and install**
- **Universal AC power supply**

APPLICATIONS

- For shoreside monitoring of shipping by Government bodies
- Managing traffic at local port approaches
- Assisting in Search and Rescue operations
- Locating ships for local tug/supply operators
- Analysing shipping in specific areas
- Monitoring fishing zones
- Feeding data to AIS vessel tracking websites

RELATED PRODUCTS

R400N - Network AIS receiver with Ethernet Output

R500Ni - Intelligent Network AIS receiver with WIFI

G500Ni - Intelligent GPS receiver with WIFI

AV200 - Base Station Antenna with Ground Plane

AV300 - Fibreglass VHF Antenna

AV400 - Commercial Antenna for AIS

AG100 - GPS Antenna

SPECIFICATIONS

PHYSICAL

Weight:	600g
Dimensions:	L 130 mm W 105 mm D 46 mm
Mounting:	To flat surface with case brackets
Connections:	RJ45 Ethernet 10 / 100 Base-T; BNC Coaxial to AIS VHF antenna TNC Coaxial to GPS antenna
Construction:	Plastic housing
Finish:	Black plastic, textured

ELECTRICAL

Power Supply:	12 V dc 3 W nominal (9-30 V dc)
Antenna Impedance:	50 Ω
Network protocols:	TCP/IP, UDP/IP, ARP, ICMP, TFTP, TELNET, DHCP, BOOTP, HTTP and AUTOIP
Data Output:	NMEA 0183; 38,400 Baud; VDM output message

OPERATIONAL

Frequency	Channel A 161.975 MHz Channel B 162.025 MHz
Sensitivity:	< -112 dBM
Display:	3 Indicator LEDs (Ch A; Ch B; ON)
Data Types Received:	Name of Vessel; MMSI Number; Position; Speed (SOG); Course (COG); Type of Vessel; Call Sign; Heading; Rate of Turn; Navigational Status; Vessel Dimensions; Destination

ENVIRONMENTAL

IP Rating:	IP40
Operating temp:	-15°C to +55°C
Compass:	Safe Distance 50 cm

APPROVALS

Conforms with:	IEC 61993-2; IEC 60945; EN 61000-6-1 & 2; FCC part 15

ADDITIONAL

Supplied:	R400NG receiver
Supplied:	Universal 100-250 V ac to 12 V dc Power Supply
Supplied:	Installation manual
Supplied:	Network configuration program
Supplied:	Ethernet to com port utility
Supplied:	AIS viewing program
Supplied:	USB to virtual com port utility
Supplied:	PL259 to BNC antenna adaptor
Supplied:	2 m Ethernet cable

ISO 9001:2015 CERTIFIED COMPANY

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