

 PREVIOUSLY KNOWN AS THE SLR350N



## RECEIVERS

# R400N NETWORK AIS RECEIVER WITH ETHERNET OUTPUT

SKU: 001-1042

## FEATURES

- **Industry Grade Dual Channel AIS Receiver**
- **Ideal for land-based monitoring of sea traffic**
- **Comprehensive network capability with Ethernet connectivity**
- **Built-in USB port for local monitoring**
- **Ideal for feeding vessel tracking data to a website or a vessel monitoring server**
- **Rugged plastic housing**
- **Supplied complete with software**

## OVERVIEW

The R400N provides a method of monitoring the position, speed and heading of AIS vessels within VHF range. It can decode of Class A, Class B, Aids to Navigation, SARTS and all other AIS message types. When connected to a PC using the industry standard RJ45 Ethernet connector, the R400N enables AIS data to be viewed directly, or shared on a local network. The unit can also be mounted at a remote location and AIS data sent via the Internet to a fixed IP address for use on a dedicated server.

The R400N 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.

## 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

[R400NG](#) - Network AIS receiver with Ethernet & GPS

[R500Ni](#) - Intelligent Network AIS receiver with WIFI

[R500NGi](#) - Intelligent Network AIS receiver with WIFI & GPS

[AV200](#) - Base Station Antenna with Ground Plane

[AV300](#) - Fibreglass VHF Antenna

[AV400](#) - Commercial Antenna for AIS

PHYSICAL	
<b>Weight:</b>	350g
<b>Dimensions:</b>	L 132 mm W 106 mm D 46 mm
<b>Mounting:</b>	To flat surface with case brackets
<b>Connections:</b>	RJ45 Ethernet 10 / 100 Base-T; USB 2.0 type B socket; BNC Coaxial to antenna
<b>Construction:</b>	Plastic housing
<b>Finish:</b>	Black plastic, textured

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

OPERATIONAL	
<b>Frequency</b>	Channel A 161.975 MHz Channel B 162.025 MHz
<b>Sensitivity:</b>	< -112 dBm
<b>Display:</b>	3 Indicator LEDs (Ch A; Ch B; ON)
<b>Data Types Received:</b>	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	
<b>IP Rating:</b>	IP40
<b>Operating temp:</b>	-15°C to +55°C
<b>Compass:</b>	Safe Distance 50 cm

APPROVALS	
<b>Conforms with:</b>	IEC 61993-2; IEC 60945; EN 61000-6-1 & 2; FCC part 15

ADDITIONAL	
<b>Supplied:</b>	R400N receiver
<b>Supplied:</b>	Universal 100-250 V ac to 12 V dc Power Supply
<b>Supplied:</b>	Installation manual
<b>Supplied:</b>	Network configuration program
<b>Supplied:</b>	Ethernet to com port utility
<b>Supplied:</b>	AIS viewing program
<b>Supplied:</b>	USB to virtual com port utility
<b>Supplied:</b>	PL259 to BNC antenna adaptor
<b>Supplied:</b>	2 m Ethernet cable

