

 PREVIOUSLY KNOWN AS THE SLR400NG



## FEATURES

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

## RECEIVERS

# R400NG NETWORK AIS RECEIVER WITH ETHERNET, GPS & USB

SKU: 001-1044

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## OVERVIEW

The R400NG is an AIS receiver unit with built in GPS receiver, Ethernet interface and USB port is 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.

## 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

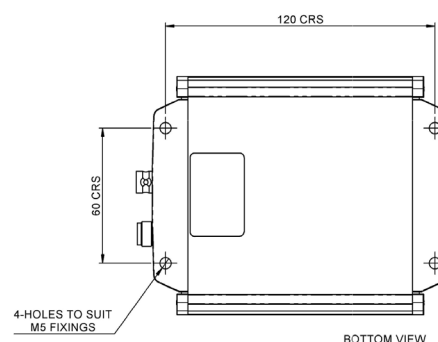
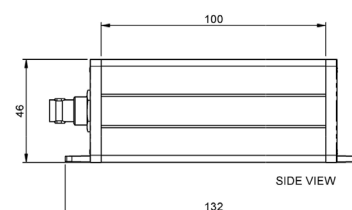
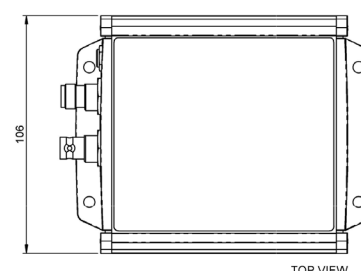
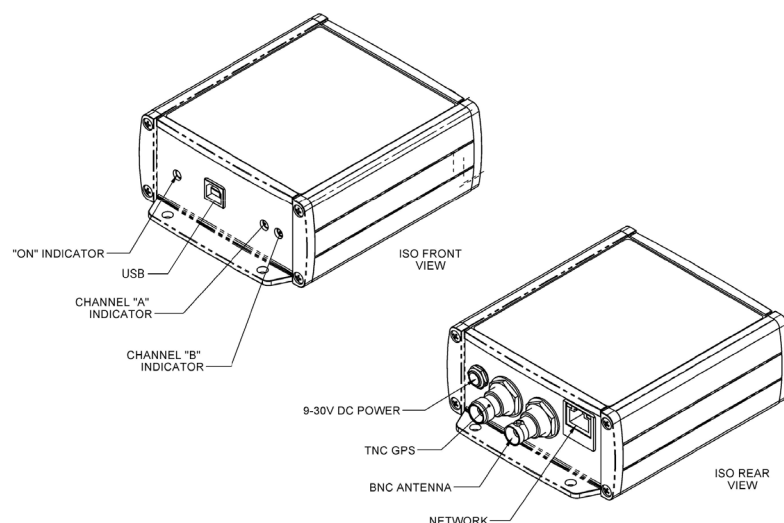
| PHYSICAL             |                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Weight:</b>       | 350g                                                                                                                                   |
| <b>Dimensions:</b>   | L 130 mm W 105 mm D 46 mm                                                                                                              |
| <b>Mounting:</b>     | To flat surface with case brackets                                                                                                     |
| <b>Connections:</b>  | RJ45 Ethernet 10 / 100 Base-T<br>BNC Coaxial to AIS VHF antenna<br>TNC Coaxial to GPS antenna<br>USB 2.0 Port: Type B (Cable Supplied) |
| <b>Construction:</b> | Aluminium, ABS End Caps                                                                                                                |
| <b>Finish:</b>       | Black Fine Texture Paint, Grey ABS                                                                                                     |

| ELECTRICAL                |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| <b>Power Supply:</b>      | 12 V dc 3 W nominal (9-30 V dc)                                       |
| <b>Antenna Impedance:</b> | 50 $\Omega$                                                           |
| <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<br>Channel B 162.025 MHz<br>GPS: 1575.42MHz                                                                                                       |
| <b>Sensitivity:</b>         | VHF: Up to -112 dBm<br>GPS: Up to -155 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 |

| ADDITIONAL       |                                                |
|------------------|------------------------------------------------|
| <b>Supplied:</b> | R400NG 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> | AIS viewing program                            |
| <b>Supplied:</b> | USB to virtual com port utility                |
| <b>Supplied:</b> | Antenna Connector Adaptor                      |
| <b>Supplied:</b> | 2 m Ethernet cable                             |



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