

# Actisense<sup>®</sup>

## The NMEA Specialists



# NGW-1-STNG

## NMEA 0183 to Seataalk NG Converter

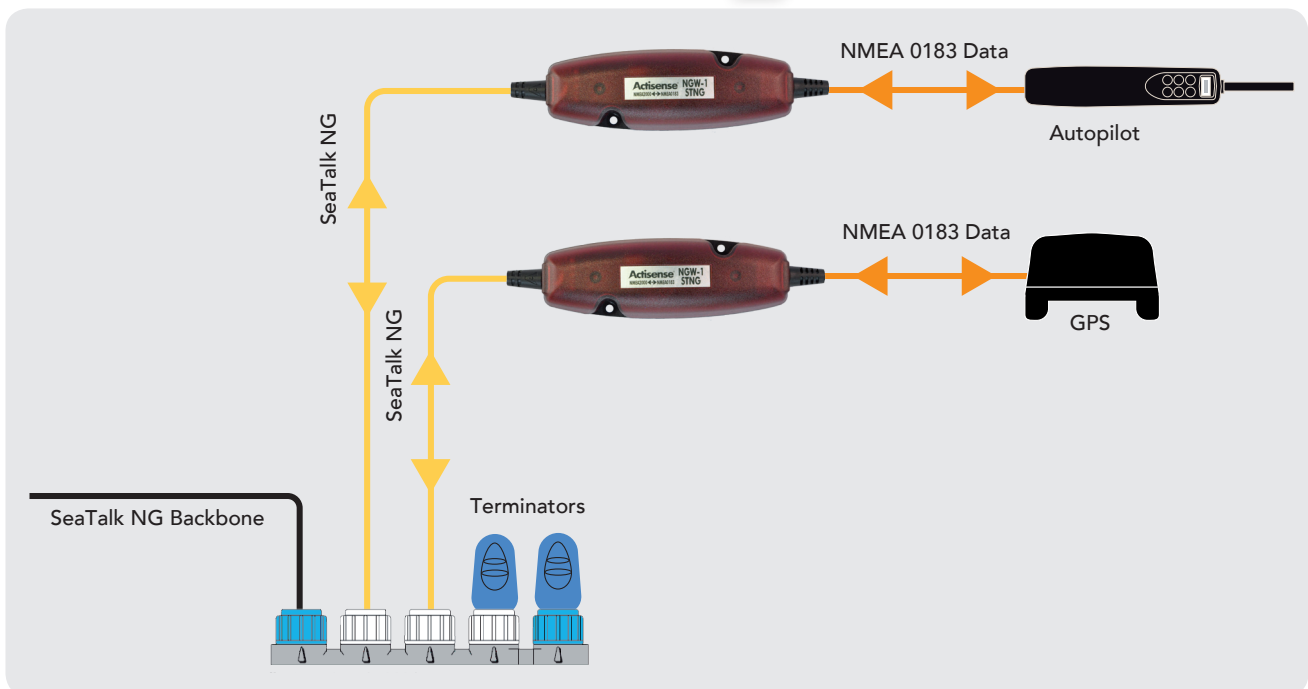
### Integrate seamlessly with Raymarine<sup>®</sup> products

The NGW-1-STNG enables users to convert NMEA 0183 data into SeaTalk NG and vice-versa. The NGW-1-STNG combines a standard NGW-1-ISO with a Raymarine SeaTalk NG adapter cable to interface legacy instruments to the NMEA 2000<sup>®</sup> based SeaTalk NG bus. To ensure your system is protected from ground loops, Actisense have also incorporated unique and essential ISO Drive™ technology.

#### Benefits

- Allows users to upgrade individual NMEA 0183 devices, in easy to manage maintenance projects
- Professional and prompt technical support available from both Actisense and Fugawi
- Reduces the costs associated with upgrading your devices to SeaTalk NG
- Simple plug and play installation

#### Example Configuration



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### Product Specifications

NMEA 2000 Port	
Compatibility	Fully NMEA 2000 Certified
Galvanic Isolation	Refer to 'NMEA 0183 Port' or 'USB Port'
Speed / Baud Rate	250 kbps
Connectivity	M12 Male (A Polarised) Connector Moulded on Cable
Cable Length NMEA 2000	1.5 m
Cable Length STNG Adapter	0.4 m (1.9 m with NMEA 2000 cable connected)
NMEA 0183 Port	
Compatibility	Full NMEA 0183, RS232 & RS422 Compatible. RS485 Listener Compatible
Galvanic Isolation	2500 V Input to Ground 1500 V Output to Ground using ISO-Drive™
Speed	4800 to 115200 Baud
Output Voltage Drive	>= 2.1 V (differential) into 100 Ω
Output Current Drive	20 mA max.
Output Protection	Short Circuit and ESD
Input Voltage Tolerance	-15 V to +15 V Continuous -35 V to +35 V Short Term (< 1 second)
Input Protection	Current Limited and Overdrive Protection to 40 VDC
Connectivity	Cable Length is Stripped and Tinned (5 mm)
Cable Length	1.5 m
Power Supply	
Supply Voltage (NMEA 2000 port)	10 to 35 VDC
Supply Current (NMEA 2000 port)	35 mA @ 12 VDC
LEN	1
Mechanical	
Housing Material	Polycarbonate
Weight	260 g
Approvals and Certifications	
Fully NMEA 2000 Certified	
Protection	IP54
Operating Temperature	-20°C to +70°C
Recommended humidity	0 - 80% RH
Guarantee	3 years

### STNG Cable Ends



### Selected by Raymarine<sup>®</sup>...

"We identified Actisense as an expert in the field of NMEA connectivity. The NGW-1-STNG allows seamless data transfer between external NMEA 0183 devices and SeaTalkng which is exactly what we were looking for and Actisense performed to the brief admirably." - **Stuart Heptonstall, Senior Global Product Manager, Raymarine (2012)**

### Created by Actisense...

"We are delighted to partner with Raymarine®, a global leader in marine electronics. Our combined vision for the SeaTalk Gateway (NGW-1-STNG) is to be the number one device for data handling, conversion and reporting for NMEA systems and we have spent a significant amount of time and resource in developing this very user-centric product." - **Phil Whitehurst, Actisense (2014)**

### Contact the team at Actisense for more information

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