

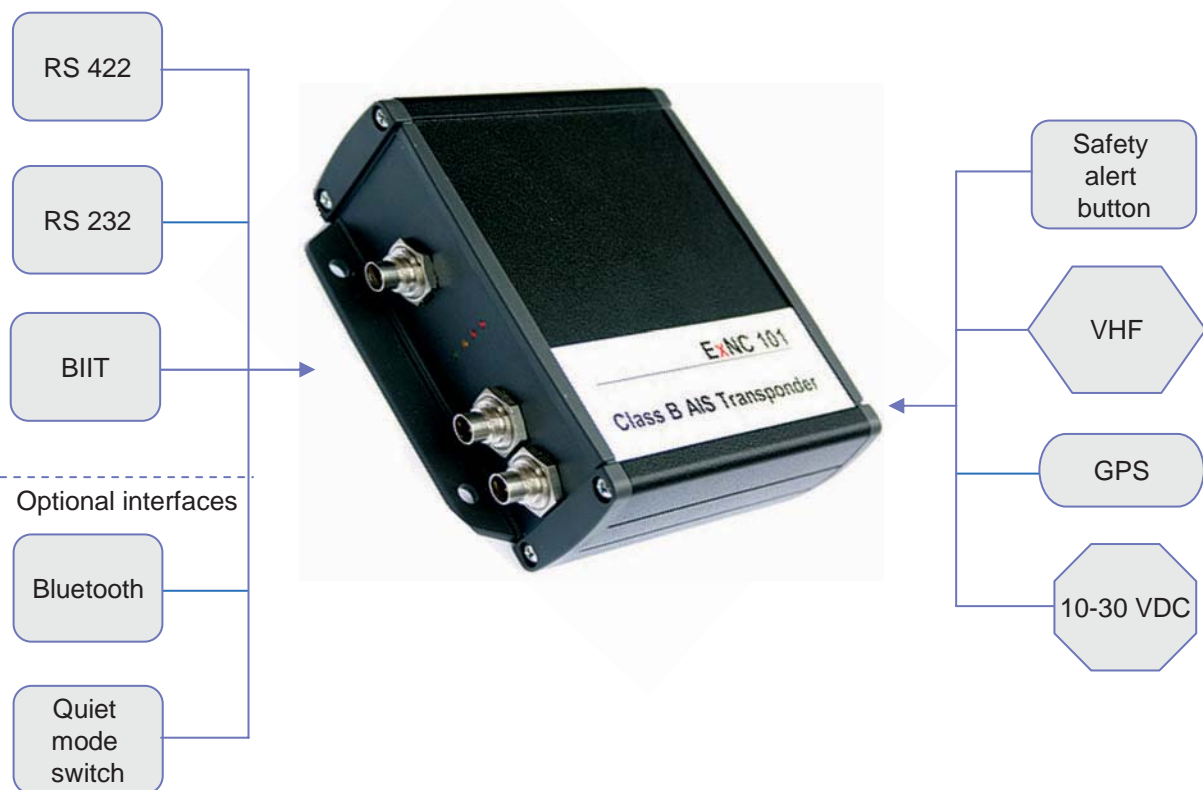
# ExNC 101 Class B AIS



The **ExNC 101 Class B AIS** transponder is designed to increase safety at sea by means of showing your own position, speed, course and call sign automatically to all AIS participants within your VHF range. All existing AIS messages (i.e. class A AIS transponder, AtoNs, Base Stations, SAR, etc.) are received and class B messages are transmitted via the VHF aerial.

The **ExNC 101 Class B AIS** transponder is a compact, rigid black box device which works autonomously, no action by the user is needed. Having standard interfaces the mariner is enabled to provide an electronic chart system to display all vessels equipped with AIS.

Designed and built according to IEC 62287; ITU-RM.1371-1; IEC 61162-1/-2; IEC 60945 standards. We care for quality!



## Technical Specifications

### Physical Dimensions

L: 100 mm, W: 90 mm, H: 45 mm  
Weight: ~ 300 g

### Power

Power supply: 10 - 30 Volt DC (isolated)  
Pow. consum cont.: 1,8 W - 0,15 A @ 12V  
Pow. consum aver.: 2,5 W - 0,20 A @ 12V

### Connectors

GPS antenna: TNC  
VHF antenna: N  
Output/Input: 2 x 5 pin socket

### GPS Receiver

12 channel  
WAAS – EGNOS interoperability  
DGPS correction

### Receiver

Frequency: 156.025 - 162.025 MHz  
Channel spacing: 25KHz  
Receivers: 2, one shared AIS/DSC  
Sensitivity: < -107dBm  
Demodulation: GMSK/FSK  
Data rate: 9600 bps

### VHF Transmitter

Output power: 1 W – 2 W adjustable  
Modulation: GMSK  
VDL access: CSTDMA

### I/O Interface

RS 232: 38.400 bps  
RS 422/NMEA: 4.800 bps

### Optional Interfaces

- Bluetooth
- Quiet mode switch
- Safety alert button

### Optional Features

#### Quiet mode

This special feature stops your ExNC 101 from transmitting and you will receive AIS data only to display on your interface.

#### Safety alert button

Allows you to inform other AIS participants about an incident automatically by pushing the alert button.

### Warning

Although ExNC strives for accuracy in all its publications, this material can contain errors or have omissions, and is subject to change without prior notice. ExNC shall not be made liable for any specific, direct or indirect, incidental or consequential damages out of its use.

For more information on this and our other products please contact us:

## ExNC

### Entwicklungs- und Vertriebsges.m.b.H

Oberdorf 9, A-9560 St.Urban, Austria  
Tel. + 43 676 320 81 51 ♦ Fax. + 43 463 8900 99 15  
FN 275418b ♦ UID: ATU 62385644