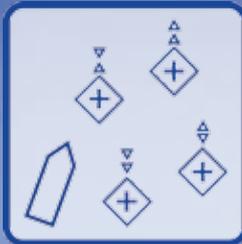


# easy AtoN



**AIS transponder used as 'Aids to Navigation' station to provide location and identification of buoys, beacons or floating objects to nearby vessels on AIS chart displays in real-time**



**AIS Aids to Navigation (AtoN) transceiver Type 3 with low power consumption**

The easyAtoN is an AIS transponder used as 'Aids to Navigation' station to provide location and identification of buoys, beacons or floating objects to nearby vessels on AIS chart displays in real-time.

The easyAtoN is a Type3 "AIS Aids to Navigation" device. It has got a rugged IP67 housing which can be mounted easily on fixed or floating objects, e.g. buoys to prevent collisions by transmitting the identification and position of the mark. The unit is able to create "synthetic", "virtual" as well as "real" electronic navigation marks who appear on AIS capable electronic chart plotters or navigation PC-software.

The easyAtoN is developed for the typical usage at marina or harbor entries, maritime warning signs or any kind of fixed or floating navigational marker buoys.

## Function

The easyAtoN is a small VHF based AIS transceiver which can be mounted on a buoy or at a pole. With the integrated AIS receiver the easyAtoN can synchronize itself with the AIS time-slot-scheme and transmit the navigation information within the free slots so no message will be overwritten. The synchronization with the AIS traffic can be done by FATDMA or RATDMA.

The easyAtoN uses the AIS system to broadcast up to 32 AtoN real, synthetic and/or virtual navigation marker positions to all AIS receivers within the vicinity.

- Real AtoN  
existing navigation marker with transmitter equipment
- Synthetic AtoN  
existing navigation marker without transmitter equipment which become visible within the AIS system on chart plotter
- Virtual AtoN  
a position of no existing navigation mark becomes visible within the AIS system on chart plotter

The configuration of the easyAtoN can be done with the programming software installed on a PC or Laptop connected via USB cable with the device.



## Highlights

- Capability of generating virtual and synthetic AtoN navigation marks
- Integrated GPS Source
- AIS FATDMA or RATDMA (by software selectable)
- Anti-Tamper Proof
- Waterproof and dust resistant IP67

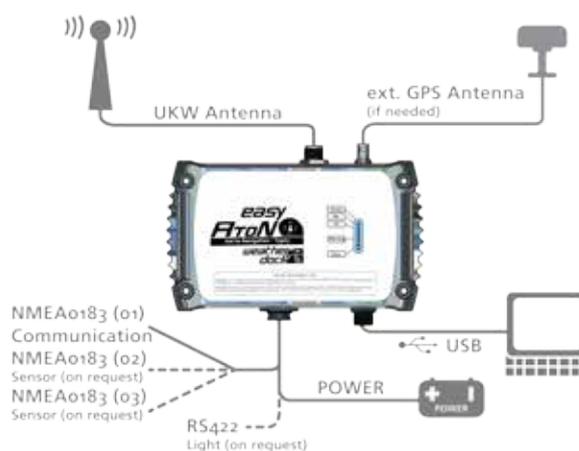
## Technical Data

- Dimensions (LxWxH): 180 x 120 x 50 mm
- Weight: 700 g
- Power Supply: 9.6 - 31.2VDC  
Consumption: 3-6W@12VDC (depending on configuration level)  
Source: solar panel
- Transmission Power 5 Watt
- IP67 waterproof and dust resistant
- 72-channel GNSS receiver
- Operation temperature: -10°C to +55°C
- Functionality: 3 Buttons, 8 Status LEDs
- Compliance/Certifications
 

|              |                          |
|--------------|--------------------------|
| AIS          | IEC 62320-2 Ed.2 (2016). |
| Environm.    | IEC 60945:2002           |
| GPS          | IEC 61108-2003           |
|              | EN 301843-1:2004         |
| Prod. Safety | EN 60950-1               |
|              | ITU-R M.1371-5           |
- Part #A20004

## Used Applications

- Seafarm protection
- Harbour entry marking



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