easy AtoN
Aid to Navigation - Type1

Real AtoN

easyAtoN Type1

NEW

AIS transmitter used as an ‚Aid to Navigation' to provide location and identification of buoys to nearby vessels and to display on AIS chart displays in real-time

weather dock
Geo-Fence

Internal power supply
1x fast flash
2x fast flash
3x fast flash

ON

OPERATING
CHARGING

To deactivate "ON":
Press "ON" button for 3 sec

GPS

easy AtoN
Aids to Navigation - Typ1

AIS Aid to Navigation (AtoN) type1 transmitter with low power consumption

The easyAtoN is an AIS transmitter used as ‚**A**id **to N**avigation' type1 to provide location and identification of buoys, beacons and marks to nearby vessels and to display them on AIS chart displays in real-time.

The easyAtoN type1 has got a rugged IP67 housing which can be mounted easily on fixed objects, e.g. buoys to prevent collisions by transmitting the identification and position of the mark. The unit is able to create "real" electronical navigation marks which appear on AIS capable electronic chart plotters or navigation PC-software.

The easyAtoN type1 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 type1 is operating in AIS FATDMA mode (**F**ixed **A**ccess **T**ime **D**evision **M**ultiple **A**ccess) into a special time slot which must be reserved by an AIS Base Station.

Vessels AIS system will get the information that this slot is occupied by the base station and will not transmit their AIS data within this slot.

The easyAtoN type1 is programmed in advance via programming socket and special programing software by means of the administrator to use only this slot to transmit the position and identification of the mark on both AIS frequencies.

Within range of the operating AIS Base Station every AtoN type1 has to have its own time slot reserved to transmit into the AIS traffic to inform all entering and exiting vessels.

For configuration of the easyAtoN type1 the programing socket (A124 - available as an accessory) needs to be connected via USB cable to a PC or Laptop with running programing software. The easyAtoN type1 has to be fixed on the programing socket. The socket can be used for more than one easyAtoN type1 configuration by an administration.

Highlights

- ☑ **Integrated GPS antenna**
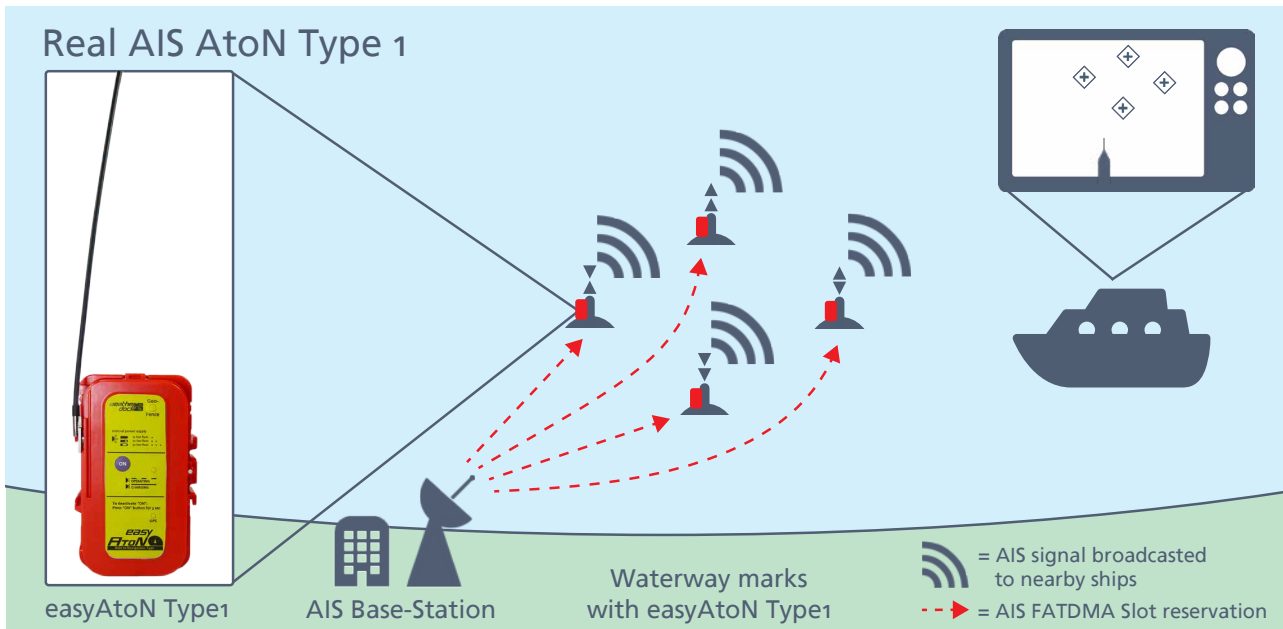- ☑ **AIS FATDMA**
- ☑ **Waterproof and rigid housing**

Technical Data

- ☑ **Dimensions (LxWxH): 130 x 70 x 30 mm**
- ☑ **Weight: 300 g**
- ☑ **Power Supply:**
  external power via cable
  Internal batteries for 5 days usage without power
  On request: external solar panel (t.b.d.)
- ☑ **Power consumption:**
- ☑ **Transmission Power >=2 Watt**
- ☑ **IP67 waterproof**
- ☑ **72-channel GNSS receiver**
- ☑ **Operation temparature: -10°C to +55°C**
- ☑ **Storage temperature range: -30°C to +60°C**
- ☑ **Functionality: 3 Status LEDs**
- ☑ **Compliance**
  ITU-R M. 1371-5
  IEC/EN 60945:2002 + Corr. 1:2008
  IEC 61097-14:2010
  IEC 62287-1:2013 Clause 11, 12
  IEC 61108-1:2003
  IEC 60950-1:2006
  IEC 62368-1:2014
  IEC 62320-2 Ed.2 (2016)

- ☑ **Part #A19302 easyAtoN type1**

Used Applications

- ☑ **Seafarm protection**
- ☑ **Harbour entry marking**
- ☑ **Waterway marking**
- ☑ **Buoy marking**

EXCELLENCE IN RADIO TECHNOLOGIES
Safety ● Navigation ● Tracking

Real AIS AtoN Type 1

easyAtoN Type1   AIS Base-Station   Waterway marks with easyAtoN Type1

= AIS signal broadcasted to nearby ships
= AIS FATDMA Slot reservation

weather dock AG