

**easy**  
**RESCUE PRO**  
AIS S.A.R.T. + DSC

easyRESCUE-PRO

If you can't find him  
you can't save him



AIS S.A.R.T. plus DSC  
Get the best of both  
technologies



# AIS S.A.R.T. & DSC distress call:

## Get the best of both to alert vessels about situation of distress.

If a „MAN OVER BOARD“ situation happens, you need to keep the victim in sight. It is essential for his survival.

The easyRESCUE-PRO has been developed from the well-known and fully approved AIS S.A.R.T. unit easyRESCUE. In addition to the full AIS emergency functionality, the easyRESCUE-Pro has got a 2nd built-in communication alert: DSC distress call

By means of DSC distress call, other vessels without AIS aboard are able to provide support as a potential emergency responder.

It's a lightweight personal locating device which is fixed to clothing or lifejackets and which can be mounted onto a pole for use on a liferaft.

### Function

Upon activation, the easyRESCUE -PRO unit starts transmitting AIS signals via VHF frequencies, providing the current GPS position along with COG, SOG and individual unit ID.

The victim's position is updated every minute and transmitted 8 times per minute for at least 96 hours.

As a result the crew of the ship will know exactly where the victim is, as well as every other ship with an AIS receiver within range. When an emergency AIS S.A.R.T. message is transmitted, it triggers an alarm on every AIS chart plotter with a worldwide standardized Symbol and predefined „AIS S.A.R.T. active“ text. With accurate GPS data, a rescue can be initiated much faster.

By means of DSC distress call, other vessels without AIS will also get this information. DSC distress call is sent automatically to the own ship of the victim. Once the „closed loop“ has been sent to the own vessel and there has been no acknowledgement for 5 minutes, an „open loop DSC distress call“

to every DSC receiver within range will be triggered. „Open loop“ transmission will be forwarded to the coast guard by commercial vessels.

If there is an acknowledgement on DSC in the „closed loop“ or by a commercial vessel in „open loop“, DSC is shut down. In the meantime AIS S.A.R.T. message is still being sent until the unit is completely switched off

### What is necessary to run the easyRESCUE-PRO?

The easyRESCUE-PRO needs no additional accessory. The device is ready to use, grab'n'go! An AIS receiver is mandatory in order to receive and display the AIS S.A.R.T. emergency position report. A DSC radio unit is also mandatory to get the DSC distress call along with GPS coordinates of the victim.

### Highlights

#### AIS S.A.R.T. transmitter

- ☒ Fully floatable
- ☒ One-handed manual activation
- ☒ Fully approved and certified by
  - \* German Maritime Agency BSH
  - \* SOLAS
  - \* United States FCC
  - \* United States Coast Guard
  - \* ATEX (explosion protection)
- ☒ 96h in pure AIS S.A.R.T. mode
- ☒ Individual unit ID is transmitted
- ☒ Clear function indication by 4 LEDs
- ☒ High radio range of up to 15nm (depending on antenna reception height)
- ☒ GPS position is updated every minute
- ☒ Parent ship knows where the victim is
- ☒ No annual charge or subscription
- ☒ No waiting for satellites
- ☒ Activation function possible
  - \* manually
  - \* water contact mechanism when submerged
  - \* rip cord mechanism with magnetic switch

#### DSC radio transmitter

- ☒ 2 technologies to alert other vessels
- ☒ Other DSC receiver can start DSC relay functionality
- ☒ Fully conforms to RTCM 11901.1
- ☒ Increasing number of potential emergency responders without AIS aboard



### Technical Data

#### AIS S.A.R.T.

- ☒ BSH approval: BSH/4615/4361565/10
- ☒ Transmission power: approx. 2W
- ☒ Waterproof, IP68
- ☒ Operating conditions -20°C - 65°C
- ☒ Length 125mm, width 68mm, height 30mm, weight approx. 300g
- ☒ Battery lifespan: 5 years (SOLAS standard)
- ☒ Service interval:
  - \* after usage
  - \* after 5 years, in testing mode only

#### DSC radio transmitter

- ☒ Transmission power: approx. 0.5W
- ☒ DSC frequency 156,525 Mhz
- ☒ 45 hours of persistent transmission after activation with both technologies
- ☒ Closed & open loop acc. RTCM standard

Made in Germany

This product is available at:

for more information please visit  
[www.easyais.com](http://www.easyais.com)



Excellence in Radio Technologies

#### Weatherdock AG

Sigmundstraße 180  
D - 90431 Nürnberg  
Tel.: +49 (0) 911 - 37 66 38 30  
Fax: +49 (0) 911 - 37 66 38 40  
Mail: [info@weatherdock.de](mailto:info@weatherdock.de)  
URL: [www.easyais.de](http://www.easyais.de)

Stand: 08/2014 - Subject to alternation