easyRESCUE-PRO (BT)

weatherdock AG
EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

MADE IN GERMANY

easy **RESCUE** PRO
AIS + DSC

AIS MOB

**If you can't see them
you can't rescue them**

weatherdock
EXCELLENCE IN RADIO TECHNOLOGIES

To switch OFF press
both buttons 3 sec.

TEST

ON

to activate:
1) push slider
down
2) press the
„ON" button

GPS

easy **RESCUE** PRO
AIS + DSC

**Alerting via AIS + DSC (RX/TRX)
Up to 8 preprogrammable MMSI possible
via Bluetooth® connectivity**

AIS & DSC distress call:
Get the best of both alert systems.

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

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

By means of DSC distress call, other vessels with DSC controller (VHF radio) 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 vessels crew will know exactly where the victim is, as well as every other ship with an AIS receiver within range. When the easyRESCUE-PRO's AIS message is received, it triggers an alarm on every AIS chart plotter with a worldwide standarized symbol. With accurate GPS data, a search-and-rescue can initiated much faster.

Upon activation, in addition a DSC distress call is sent automatically to the own ship of the victim or further 7 ones with preprogrammed MMSI. Once the „closed loop" has been sent to the own vessel and there has been no acknowledgement for 10 minutes, an „open loop DSC distress call" to every DSC receiver within range will be triggered. „Open loop" transmission will be relayed 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 transmissions by easyRESCUE-PRO are terminated. In the meantime AIS messages are of course still send until the unit is is completely switched off.

How to operate

The easyRESCUE-PRO needs no additional accessory. The device is ready to use, grab'n'go! An AIS receiver connected to a chart plotter is mandatory in order to receive and to display the AIS position report. A DSC radio unit is also mandatory to get the DSC distress call along with GPS coordinates of the victim.
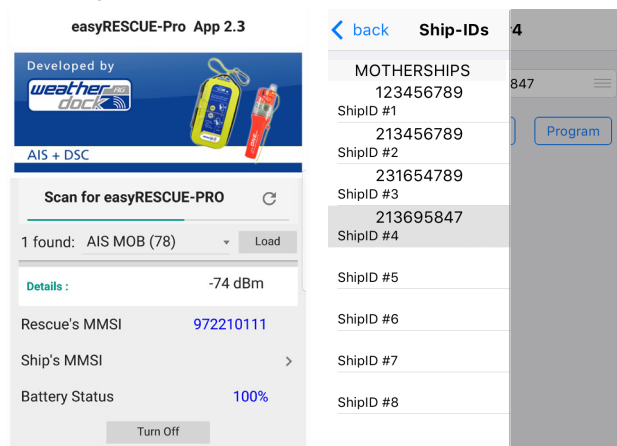

Highlights

- ☑ **Automatic activation by water contact**
- ☑ **Automatic activation by rip cord meachanism with magnetic switch at lifevest inflation**
- ☑ **Simultanious automatic activation of DSC distress call**
- ☑ **Up to 8 MMSI numbers for „closed loop" to own ship or group of ships.**
- ☑ **MMSI numbers preprogammable via Bluetooth® and free easyRESCUE-PRO App**
- ☑ **After 10 minutes change to „open loop", sending to all ships, if no closed loop acknowledgement**
- ☑ **Protection against unintended activation**
- ☑ **Mother ship knows where the victim is**
- ☑ **Mother ship receives DSC distress call**
- ☑ **GPS position is updated every minute**
- ☑ **8 AIS messages per minute**
- ☑ **Ships with DSC controller can start search and rescue and /or relay the distress call**
- ☑ **Approval:**
  - ☑ **CE and R&TTE approval**
  - ☑ **BSH**
  - ☑ **SOLAS**
- ☑ **DSC according RTCM and Class D**
- ☑ **Range up to 15 nm (depending on height of receiving antenna)**
- ☑ **No registration or activation costs**
- ☑ **No annual fees**
- ☑ **No time delays due to satellite communication**
- ☑ **Made in Germany by Market Leader**

Technical Data

- ☑ **IP68 waterproof**
- ☑ **Operating conditions: -20°C - 55°C**
- ☑ **Dimensions (L/W/H): 125 x 68 x 30 mm**
- ☑ **Weight: approx. 350 g**
- ☑ **≥24 hours of persistent transmission after activation with both technologies**
- ☑ **Battery lifespan: 5 years (SOLAS standard)**
- ☑ **Service intervall:**
  * after usage
  * after 5 years, in testing mode only
- ☑ **AIS**
  CE and R&TTE approval
  Transmission power: > 2 W
  90h (DSC acknowledged at once)
- ☑ **DSC**
  Transmission power: 0.5 W
  DSC frequency 156,525 MHz
  Compliant to RTCM and DSC Class D
  Closed & open loop acc. RTCM standard 11901.1
- ☑ **Bluetooth® LE module**
- ☑ **Part #A040-PRO(BT)**

Free easyRESCUE-PRO App for iOS and Android:

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