EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

easy AIRDROP

DANGER

COG'
SOG'

Locating - Marking - Measuring

easyAIRDROP

Locating alert situations, marking dangerous floating objects or Maritime Research

MADE IN
GERMANY

easyAIRDROP -
AIS based VHF locator unit

The easyAIRDROP-rechargeable is developed for multi-usage purposeses. The package contains the VHF based personal locating beacon vmsTRACK-PRO-CS to support rescue teams, such as SAR airplanes or SAR helicopters. The AIRDROP unit can also be used by research teams doing current measurement or from flight patrol members looking out for dangerous objects floating in the water.

Function

The easyAIRDROP with the built-in locator beacon is ready for use. Just open the box, get the easyAIRDROP out and throw it out of an aircraft. An automatic triggering function activates the internal VHF locator when it is submerged into water.
Marking dangerous floating objects, measuring special currents for research or locating MOB events, - the usage and the preparation of the unit is quite simple at all.
By means of the integrated Bluetooth modul, individual programming can be done easily via the Weatherdock free of charge app vmsTRACK-PRO. Once paired with the mobile phone, the locator beacon can be edited with special name, area of activity, etc.
Customized VHF frequencies as well as the standard AIS frequencies can be used for position reports depending on national authorities.
In case of ON mode, these individual data will be transmitted. In case of ALERT mode the AIS MOB safety message setting will be broadcasted.
The air deployable housing is made of 2 floatable plastic foam parts and is kept together with 2 rubber straps. A soluble tablet is fixing the straps until the whole unit is submerged into water.
The locator beacon is mounted inside the housing.
By dissolving the tablet, the housing is opened and the unit starts transmission by water activation. A weight at the bottom will keep the easy-AIRDROP in upright position for best possible signal radiation and floating with the actual current.
With the long antenna the transmission range will be 9 to 12 nm to a vessel. SAR airplanes or helicopters will receive the signal in a distance of up to 100 nm by 1000 feet flight level.

Application

☑ **Marking floating objects**
Patrol flying airplanes or helicopters discovering dangerous floating objects like hidden container units or oil spills will be able to mark the position for follow-up vessels. Position reports will be done usually on customized frequencies after water activation.

☑ **Research current measurement**
To know the speed of special currents might be a helpfull data source for research issues as well as future rescue operations. Position reporting with COG and SOG of the floating easyAIRDROP will be done usually on customized frequencies after activation.

☑ **Locating alert situations**
SAR airplane or SAR helicopter crews will be able to mark the position of alert situation. Just pressing the ALERT button at the locator beacon before dropping the easyAIRDROP out of the window. The unit starts transmitting a safety related message that SAR vessels will receive after they entered the transmission range of the transmitter.

Highlights

- ☑ **Internal fully approved & certified VHF locator unit vmsTRACK-PRO-CS**
- ☑ **Water activation in tracking mode when submerged**
- ☑ **Current GPS position of alert situation via AIS - the fastest way possible**
- ☑ **Floatable due to special housing**
- ☑ **High transmission range**
  - **up to 12 nm (on water surface with 20 ft receiving antenna height)**
  - **up to 100 nm (flight level 1000 ft)**
- ☑ **Longlife battery power**
- ☑ **48 hours continuous transmission after activated once**
- ☑ **Rechargeable batteries**

Technical Data

- ☑ **According BSH standards**
- ☑ **Radiated RF power: approx. 2 W**
- ☑ **Dimensions (WxH): 200 x 130 mm (easyAIRDROP housing)**
- ☑ **Weight: approx. 750 g**
- ☑ **Operating conditions: -20°C - +65°C**
- ☑ **Battery lifespan: up to 1000 cycles**
- ☑ **Part #A167**

What is necessary to run the easyAIRDROP?

The easyAIRDROP with the internal locater beacon is ready for usage. Additionally there are specifications needed to be pre-programmed via the Programming-Software and the programming socket.

To receive the transmitted signal, an AIS capable chartplotter or PC software is required to display the relevant data.
If transmission is done on customized VHF frequencies, Weatherdock's easyRX3 or an AIS Class B unit from Weatherdock to receive the incoming position report data.

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