# easyONE-DSC$_{CL}$

## A10901/A10902

## AIS MOB + DSC

## User manual

## english

## Vers.: 1.2

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## Table of abriviations

| | |
|---|---|
| **AIS** | Automatic Identification System |
| **COG** | Course over Ground |
| **DSC** | Digital Selective Call |
| **ECDIS** | Electronical Chart Display |
| **GMDSS** | Global Maritime Distress and Safety System |
| **GNSS** | Global Navigation Satellite System |
| **MMSI** | Maritime Mobile Service Identification |
| **MOB** | Man over Board |
| **SAR** | Search and Rescue |
| **SOLAS** | Safety of Life at Sea |
| **SOG** | Speed over Ground |

# 1 FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# 2 Safety information

Please read the safety information and instructions carefully. Please keep the safety information and instructions for future reference.

- Keep the device out of reach of children.
- The built-in strong transmitter may possibly have a negative effect on medical devices such as pace-makers.
- Wrongful triggering of an AIS alert is not a minor offense and may entail consequential costs.
- The unauthorized opening of the device voids the warranty. Unauthorized and violent opening can destroy the device.

- Caution: Risk of explosion if battery is replaced by an incorrect battery type. Dispose of used batteries according to instructions.
- The capacity of the batteries decreases if the device is used at a temperature below 0°C or above 55°C. Keep the device away from heat or hot environments. If these safety instructions are not observed, the batteries may overheat, explode or ignite inside the easyONE-DSC$_{CL}$ and may cause permanent damage to the device or environment.

# 3 Product and Performance Description

## 3.1 Use for intended purpose

The easyONE-DSC$_{CL}$ is a portable, battery-operated AIS MOB (Man over Board) and DSC distress transmitter with an integrated GPS/GNSS receiver. The device is intended for the usage in combination with an automatic life jacket. The easyONE-DSC$_{CL}$ (A10901) has a manual release mechanism and an automatic release mechanism by water contact.

The easyONE-M-DSC$_{CL}$ (A10902) has only a manual release mechanism. The device is floatable without the need of any flotation aids.

The AIS / DSC distress transmitter is designed for usage in distress situation for alerting via:

- AIS: All AIS receivers within transmission range of the AIS MOB (8 x per minute, position update every min.)
- DSC Closed Loop: Only pre-programmed MMSIs of DSC receivers within range (Every 5 minutes for the first 30 minutes, then every 10 minutes)
- DSC Open Loop: All DSC receivers within range of the transmitter (possible for one time)

These recipients get information about the event of a

distress situation as well as the current position.

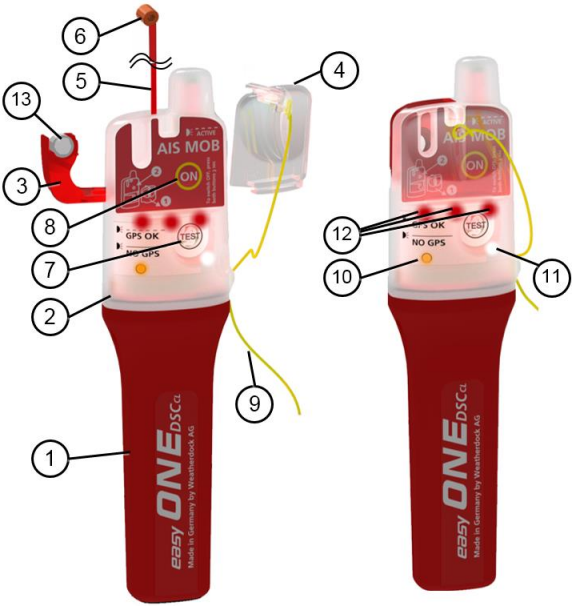
A transmission of position report in DSC closed loop is possible to up to 8 different MMSIs, if they are already programmed into the easyONE-DSC$_{CL}$ device (programming can be done easily with an iOS or Android device via Bluetooth)

A position report transmission in DSC open loop can be triggered manually once by pressing the TEST button for 5 seconds during ALERT mode.

=> Responsible regulating authority can provide country specific information if DSC open loop is allowed in your area.

The easyONE-DSC$_{CL}$ device is compliant to the world wide used AIS System (Automatic Identification System) and DSC radio system (Digital Selective Call).

# 4 Product overview




**1.** Bottom section housing
**2.** Upper section
**3.** Antenna flap
**4.** Alarm flap
5. Antenna
**6.** Antenna winding head
**7.** "TEST" button
**8.** "ON" button
**9.** Seizing, 1m
**10.** GPS status LED
11. FLASH LEDs
12. Red FLARE LED
**13.** Water soluable cellulose tablet

# 5 Operating elements

## 5.1 Alarm flap

The transparent plastic cover (4) in the upper frontal section of the device serves to avoid false alarms and locks the antenna flap (3) at the same time.

## 5.2 „ON“ button


The easyONE-DSC$_{CL}$ can be activated manually by pressing the “ON“ button (8).

Parallel to the AIS Signal a DSC distress call is broadcasted.
(only to pre-programmed MMSI numbers)
(more information for alert functionality see chap. 5.1)

## 5.3 „TEST“ button


TEST The device can be activated for an electrical function test by pressing the “TEST“ button (7).

In addition to the AIS test message an one-time DSC distress call is sent to all pre-programmed MMSI numbers. The red LED FLARE is also activated once.

During test transmission the red LEDs are blinking.

## 5.4 Antenna


The antenna (5) is rolled up in the upper section of the transmitter. It’s locked by a water soluble pill (12) and the alarm and antenna flap. When the antenna flap (3) was triggered upon water contact or the alarm flap (4) was removed manually the antenna unfolds independently. The device activates automatically upon water contact without requiring user intervention.

# 6 Operation

The easyONE-DSC$_{CL}$ is floatable without any floatation aids. During heavy sea the floating AIS MOB easyONE-DSC$_{CL}$ may take a longer time to get the position information by GPS/GNSS.

The best AIS transmitter and GPS/GNSS receiver performance will be achieved by holding the distress transmitter with your hands as far away from the water as possible.

| LED display | Operating status |
|---|---|
| ***FLASH-LED (11) + red FLARE LEDs (12) flashing*** | Device is transmitting |
| ***GPS-Status-LED (10) permanently on*** | Current position is being determined |
| ***GPS-Status-LED (10) flashing*** | GPS/GNSS signal is perfect. The position is continously being determined |

## 6.1 ALERT

### 6.1.1 Automatic Activation (only A10901)

The AIS/DSC MOB easyONE-DSC$_{CL}$ is designed for carrying it in an automatic life jacket. If falling into the water, the life jacket opens and the floating body inflates due to the water contact. As a result, the transmitter gets into the water and the antenna is released. If the antenna is unfolded, two contacts are exposed through which the transmitter activates independently upon concurrent water contact.

The white FLASH LED (11) and the yellow GPS Status LED (10) are indicating the operating status.

IMPORTANT: Only the easyONE-DSC$_{CL}$ (A10901) can be triggered automatically.

### 6.1.2 Manual Activation

For manual activation, the alarm flap (4) is torn off from the device by using the yellow seizing (9). As a result the rolled up and taut antenna (5) can unfold. The "ON" button (8) is now exposed and can be pressed in order to trigger the emergency signal.

**When activating manually,**
**keep the device away from your face!**

IMPORTANT: The easyONE-DSC$_{CL}$-M (A10902) can only be triggered manually.

### 6.1.3 Functionality

**AIS**

Upon an automatic or manual activation of the AIS MOB easy-ONE-DSC$_{CL}$ in an emergency, an AIS signal is generated which is received by all ships in the proximity that are equipped with an AIS receiver.
This distress signal includes:

- Current GPS/GNSS position information
- Current COG and SOG
- Text message "MOB ACTIVE"
- Unique serial number of the device (MMSI)
- Navigational Status 14 (AIS Search and Rescue Transmitter active)

Usually the easyONE-DSC$_{CL}$ is displayed like an AIS S.A.R.T. as a circle symbol on the electronic display / chart
(System update of display / chart may be necessary):

On earlier systems, it appears as a ship symbol:

The 9-digit "Unit-ID" (MMSI) of the easyONE-DSC$_{CL}$, beginning with "972...." and a safety Message (SRM) "MOB ACTIVE" are displayed and an audible and/or visual alarm is triggered, respectively.

## DSC Closed Loop

Within seconds after the activation a first DSC alerting of all pre-programmed MMSI numbers is send out in closed loop mode. This transmission contains the unit ID of the distress transmitter, but no position information details because there is still no fix with the satellite.

As soon as the position fix is established, a next DSC distress call in closed loop is transmitted to all (up to eight) numbers on the list with current position. This DSC broadcast will be repeated after 5 minutes, later on every 10 minutes.

## DSC Open Loop

**Country-specific regulations have to be observed by the user, as the activation of the DSC Open Loop is an alarm in the GMDSS rescue chain!**

Please note in addition that a DSC emergency call, but even a false triggering, can trigger a charge. Handle the device with care to avoid false alarms!
Pressing the „ON" button for more than 5 seconds will trigger an one-time DSC open loop transmission which can be received by every DSC system within range. As an acknowledgement for this, the red FLARE LEDs will flash for a second.
This single one-time DSC open loop distress call will not interfere other functionalities of the AIS MOB unit

easyONE-DSC$_{CL}$. After this broadcast this unit will fall back into DSC closed loop distress call automatically. Persistent AIS transmission will be done parallel.

**Red LED FLARE**

In event of triggering AIS and DSC emergency transmission, the strong red LEDs of the electronical safety FLARE start flashing within same clock rate as the white flash LEDs do.

The FLARE will flash every 2 seconds. As longer the AIS MOB is in alert mode, the flashing time reduces but the intervall will stay at every 2 seconds.

## 6.2 TEST-Function (MOB TEST)

Please check the transmitting function of the AIS MOB easyONE-DSC$_{CL}$ on a regular basis. An annual or semi-annual test is usually sufficient. Too frequent testing reduces battery capacity. The battery is designed for 7 years and more than 30 test activations.

**The antenna mechanism does not have to be triggered for the function test!**

Carrying out the test:

- Leave the antenna rolled up inside the device.
- Press the „TEST" button (7) and make sure that the easyONE-DSC$_{CL}$ has a clear view tot he sky in ordert o have good GNSS reception conditions.
- As a sign that the test mode has been started, the FLASH LED (11) and GPS Status LED (10) light up for one second. Subsequently the GPS Status LED (10) is permanently on. Once a position information is received, the GPS Status LED (10) starts flashing. The easyONE-DSC$_{CL}$ start sending a bundle of AIS messages with the content "MOB TEST".
- You can check the transmission of the AIS MOB easyONE-DSC$_{CL}$ by using commercially available AIS receivers which needs to be connected to a chart plotter or laptop with navigation software. Usually the easyONE-DSC$_{CL}$ is displayed like an AIS S.A.R.T. as a circle symbol on the electronic display.

On earlier systems, it appears as a ship symbol. The 9-digit "Unit-ID" (MMSI) of the easyONE-DSC$_{CL}$, beginning with "972...." and a safety Message (SRM) "MOB TEST" are displayed and an audible and/or visual alarm is triggered.

- In addition to the AIS telegrams, a DSC telegram is sent to the optionally programmed MMSI numbers.
- The DSC transmission takes place immediately after switching on without position. AIS transmission with position only after position fix.
- The DSC transmission can be checked with a DSC enabled radio. As information, the 9-digit "Unit-ID" (MMSI) of the easyONE-DSC$_{CL}$, starting with "972 ....." and the message "TEST CALL" is displayed.
- After a successful test, the device switches itself off.
- If, for any reason (barrier by large buildings; no "clear view" to the sky), a GPS/GNSS position cannot be received, the device sends after five minutes a bundle of AIS telegrams without a position and switches off automatically.
- The test mode may be terminated early by pressing the "TEST" button (7) (for more than 3 seconds). The LEDs stop flashing and the device switches off.

- At the end of test mode, before the unit is switching off automatically, the LEDs will display the test result:

| GPS-LED (10) display | Test result |
|---|---|
| GPS status LED glows | The reception was OK. A position was determined. |
| GPS status LED flashes | No GPS/GNSS position could be determined within the first five minutes of testing time. |
| **FLASH-LED (11) display** | **Test result** |
| Flash LEDs glowing | The battery life is OK (> 24 h) |
| Flash LEDs glowing<br>+ 1 x flashing slow | The battery life is 50% (> 12 h) |
| Flash LEDs flashing fast<br>+ 2 x flashing slow | The battery life is only 25% (> 6 h) |
| Flash LEDs flashing<br>+ 3 x flashing slow | The easyONE-DSCCL found that the battery capacity is limited (< 6 h). This happens when the device has been activated (MOB ACTIVE) or if the expiration date is exceeded or if the "TEST" button has been pressed more than 30 times. |

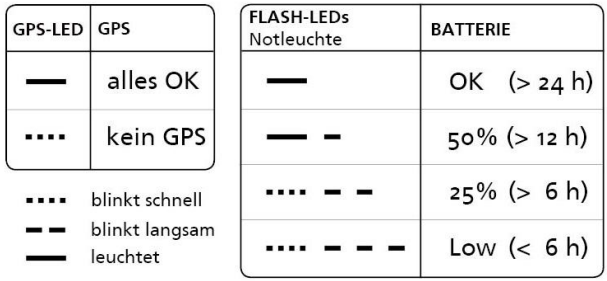



*Table 1: Blink-/ Leuchtmuster Test-Status*

**For more information about using the easyONE-DSC$_{CL}$ please visit our webpage (www.easyAIS.com).**

The current battery status of the easyONE-DSC$_{CL}$ can be read out also by the Weatherdock-App via Bluetooth®.

Please keep the amount of Bluetooth connections only the bare necessities to go easy on power resources for event of emergency.

## 6.3 Deactivation (switching off the device)

Deactivating the ON-Mode:
Press the "ON" button (8) and the "TEST" button (7) at once for at least 3 seconds.

Deactivating the TEST-Mode:
Press the "TEST" button (7) for at least 3 seconds.

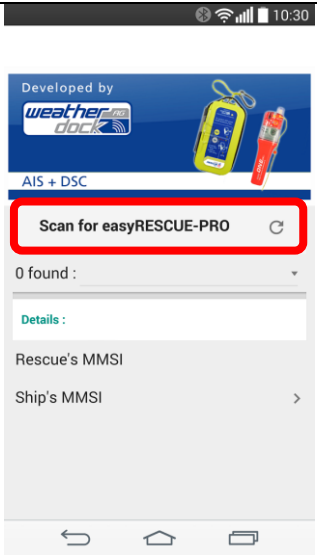
# 7 Programming of MMSI numbers for DSC closed loop

The programming of up to 8 different MMSI numbers of vessels can be done with a smartphone or tablet via Bluetooth® connection between the easyONE-DSC$_{CL}$ and the mobile device.

The requested app "easyRESCUE-PRO" (also for the AIS MOB easyONE-DSC$_{CL}$) is available free of charge for downloading on Appstore® (iOS 5 or higher) or Google Playstore® (Android 4.3).

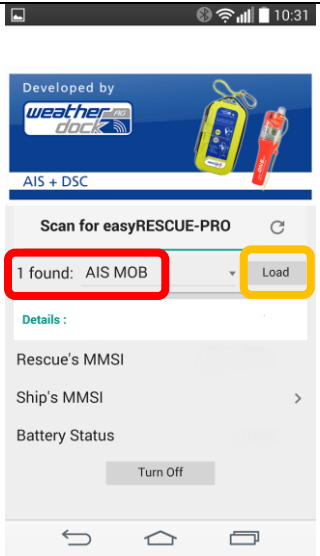
After downloading and installing the suitable app please follow the next working steps:


- Press the TEST button for 3 seconds until the LEDs start flashing fast
- The Bluetooth module needs up to 20 seconds to boot
- After 20 seconds only the yellow LED is illuminated
  → Bluetooth is ready

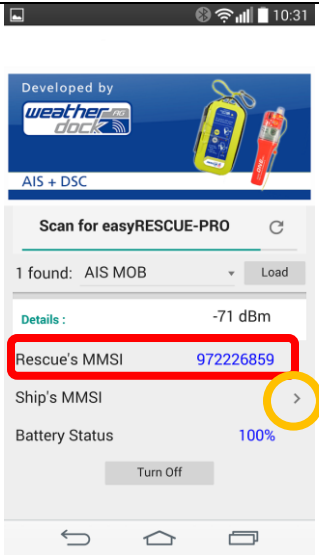



- Please open the app on your mobile device
- If not activated, the App will ask for automatic activation of the BLUETOOTH® function. Tick "allow" in this case
- Tip on "scan for Device", to connect the easyONE-DSC$_{CL}$ with your mobile device

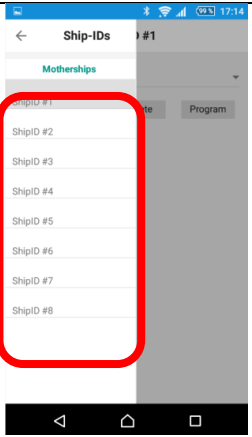
- Tip on easyONE-DSC$_{CL}$ to select this kind of device
- This App is designed for the programming of the AIS SART unit easyRESCUE-PRO as well



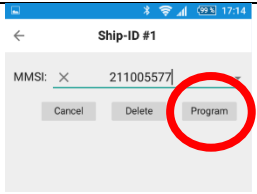

- If the connection was not done automatically, tip to select manually
- Click on "Load"
- Information to the easyONE-DSC$_{CL}$ will appeare



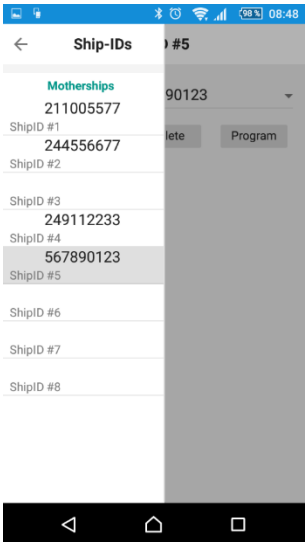

- On the back of the easyONE-DSC$_{CL}$ you will find the unit ID of the device. Please check if the numbers are correct
- If correct, please tip on the small right arrow to start programming the MMSI numbers



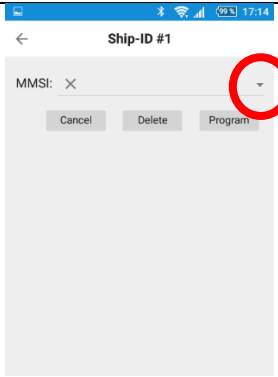

- The programming mask will start as displayed
- Tip on one of the eight "ShipID" fields to enter there the ships MMSI
- Enter the MMSI number you want to programm



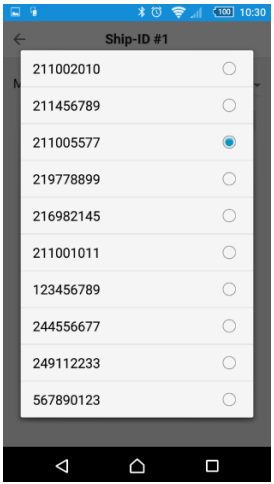

- Tip on "Programm" to store the number into the easyONE-DSC$_{CL}$



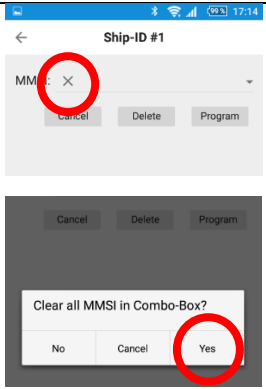

- Your entered number is stored.
- The device will confirm with a yellow flashing LED
- If you want to store more than one MMSI, please repeat the previous steps
- This is an examplary programming of 4 different ship MMSI
- If you entered a wrong number, just tip on that number to correct
- All changes you do will be acknowledged by the yellow LED flashing after pressing “Programm”



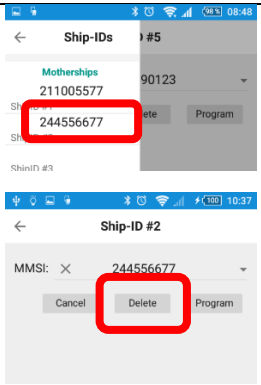

- Sometimes you need to enter the same numbers into different easyONE-DSC$_{CL}$ units.
- In event of such a case please tip on the “down” arrow



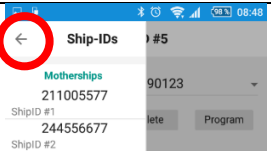

- A list opens up with all MMSI numbers which had been programmed with this mobile device
- Choose the number you need to programm



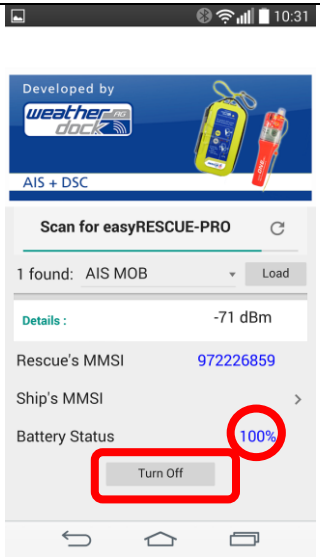

- If you want to delete the "frequently used MMSI" list out of the app (not on the easyONE-DSC$_{CL}$), please click on "X" and acknowledge with "YES"




- If you want to delete a ship MMSI from the easyONE-DSC$_{CL}$, click on the number
- Press "delete"
- Every elimination will be confirmed by the yellow LED flashing




- Click on the left arrow to get back to main menu




- The app's starting window displays battery status of the device in addition
- Click on "turn off" to shut down the easyONE-DSC$_{CL}$
- If you don't switch off the easyONE-DSC$_{CL}$ by your own, 1 minute of inactivity will trigger self-shut-down functionality
- The easyONE-DSC$_{CL}$ is now ready for usage in case of emergency

If there are too many Bluetooth activated devices like wearables, fitness trackers, etc. in the vicinity of the easyONE-DSC$_{CL}$, they might cause problems with the connection establishment. In case of this please shut down the bluetooth function of your mobile device. Additionally please shut down all other bluetooth devices as well. After that, please start your mobile device again to connect with the easyONE-DSC$_{CL}$ to start programming.

**Please keep the amount of Bluetooth connections only the bare necessities to go easy on power resources for event of emergency.**

# 8 Life Jacket integration

The AIS MOB easyONE-DSC$_{CL}$ is designed for usage in combination with an automatic life jacket.

Choose the part of the jacket without inflating mechanism. The device has to be slided upside-down between the folded blatter after the life jacket was opened a bit. The seizing (9) of the easyONE-DSC$_{CL}$ has to be fixed on a ring inside the jacket. Finally close the opened jacket.

With this positioning the device will be pushed out into the water the right way while the life jacket is inflating automatically when submerged.

**Please also note our video instructions and the information on our website (www.easyais.com)**

# 9 Maintenance and Service

## 9.1 Basic Antenna Position

If the antenna mechanism of your easyONE-DSC$_{CL}$ should have been triggered unintentionally or you notice in the process of time that the water soluble pill starts breaking apart, you have the possibility to return your easyONE-DSC$_{CL}$ to original state. Therefore you'll need a standard allen key (size 3mm) and a Secumar dissolvable activation pill from your specialist shop.

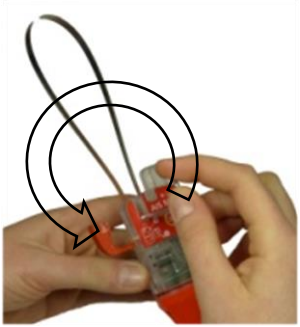
Implementation:

1. Get the Allen key und spare pill ready.
2. Insert the red antenna winding head (6) into the antenna slot.
3. Insert the Allen key into the antenna winding head's hexagonal hole and screw the antenna with the Allen key counterclockwise.
4. Hold the Allen key with the thumb
   (Warning: Spring effect of the screwed antenna!)
5. Insert the water soluble pill into the antenna flap.
6. Close the antenna flap and fix it with the alert flap.
7. Ready. Your easyONE-DSC$_{CL}$ is fully functional again.

**1.**


**2.**


**3.**



**4. / 5.**

6.


7.


**The overhaul of the trigger mechanism by a non-certified distributor or reseller is at your own risk!**

**Only original spare pills are suited for replacement.**

**Please also note our video tutorials and the reference information on our website (www.easyais.com)**

## 9.2 Maintenance/Service

Upon expiry, the batteries must be replaced by a specialist dealer. This is the only way to ensure 100 % functionality of the device for further use.

## 9.3 Cleaning

In order to prevent damage to the plastic parts, use only a light damp cloth (no scouring agents and alkaline detergents or detergents containing acids or alcohol) to dust the product.

## 9.4 Contact and Product Support

Although WEATHERDOCK strives for accuracy in all its publications, this material may contain errors or omissions, and is subject to change without prior notice. Weatherdock AG shall not be made liable for any specific, indirect, incidental or consequential damages as a result of its use. Weatherdock AG components may only be used in safety of life devices or systems, with the express written approval of Weatherdock AG, as the failure of such components could cause the failure of the Weatherdock AG device or system. If these fail, it is reasonable to assume that the safety of the user or other persons may be endangered.

Contact your local dealer for support.

If the dealer may not be able to help, please contact our service department:

Weatherdock AG
Emmericher Strasse 17
D-90411 Nuernberg

Phone: +49 (0)911-376638-30
Telefax: +49 (0)911-376638-40
E-Mail: info@weatherdock.de
Internet: www.easyais.com

## 9.5 Disposal

The AIS MOB easyONE-DSC$_{CL}$ uses lithium batteries. They shall not be given to household waste and must be given to the collection of recyclables.

# 10 Troubleshooting

Please read the following tips for troubleshooting carefully. They might be vital if a problem occurs in an emergency situation!

| Fault | Action |
|---|---|
| Antenna does not unfold automatically | Pull the alarm flap (4) with the seizing (9) off the device and press the antenna flap (3) counterclockwise with your hand outwards. The antenna (5) unfolds immediately. By pressing the "ON" button (8) you activate the distress signal manually. |
| The device cannot be activated manually by pressing the "ON" button | Keep the device under water for 5 seconds, so that the device is automatically activated through the water contacts. |
| The easyONE-DSC$_{CL}$ does not receive a GPS position (GPS Status LED not flashing) | Keep the easyONE-DSC$_{CL}$ in one hand and hold it away from the water as far as possible. This also increases your transmission range! |

| | |
|---|---|
| The easyONE-DSC$_{CL}$ is jammed in the life jacket or between the life jacket and your body. | Try to free the easyONE-DSC$_{CL}$ carefully. You can have the device floating beside you. |
| The TEST mode cannot be activated. | Please send the device immediately back to your dealer for service. This is for your own safety! |
| After the TEST the LEDs are flashing | Please take a look at the following table |

*Table 2: Troubleshooting*

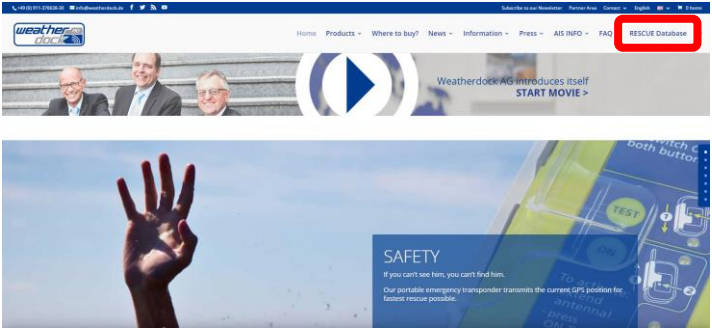
**If the device cannot be activated (TEST / ON mode), send it back to your dealer for service immediately!**

# 11 RESCUE Database and Login

To increase functionality of AIS based personal locating beacons more safe and more effective, Weatherdock AG is providing a web-based database where customers can give additional relevant information.

For more information about that service please look on our website:

**www.easyais.com**




On this webpage you can relate detailed personal data to your AIS MOB easyONE-DSC$_{CL}$ device. The details might be helpful for SAR organizations to save lifes.

On a voluntary basis, you can enter information concerning your boat and personal data, which are relevant for you as an

owner of an easyONE-DSC$_{CL}$. With your data you create an information platform which helps the emergency organization to do the right things - for example, in cases of diabetes or pharmaceutical intolerance.

Beside you, only official authorities e.g. German „DGzRS“ or the British „UK Coast Guard“ will have access to your data. This is because of live saving reasons and happens only when your easyONE-DSC$_{CL}$ will be activated.

To enter your data, please use the Unit-ID of the unit itself as well as the password, which is also printed on the product label.

# 12 License agreement

By using the easyONE-DSC$_{CL}$ you agree to the following warranty agreement. Please read the agreement carefully.

The Weatherdock AG grants a limited license for using the device for normal operation of the product. Name, property rights and intellectual property rights in and of the software remain with the Weatherdock AG.

# 13 Warranty

This Weatherdock product is warranted to be free from defects in materials or workmanship for 24 month from the date of purchase. Within this period, Weatherdock will at its sole option repair or replace any components that fail in normal use. Repairs or replacement at the expense of Weatherdock AG will be made at no charge to the customer for parts or labour, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

The warranties and remedies contained herein are exclusive and in lieu of all other warranties express or implied or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose, statutory or otherwise. In no event shall Weatherdock be liable for any incidental, special, indirect or consequential damages, whether resulting from the use, misuse, or inability to use this product or from defects in the product.

Weatherdock retains the exclusive right to repair or replace the unit or software or offer a full refund of the purchase price at its sole discretion.

Such remedy shall be your sole and exclusive remedy for any breach of warranty.

If you choose to use easyONE-DSC$_{CL}$ in a boat, it is the sole responsibility of the owner/operator of the AIS MOB easyONE-DSC$_{CL}$ to secure easyONE-DSC$_{CL}$ so that it will not cause damage or personal injury in the event of an accident. It is the sole responsibility of the operator of the boat to operate the boat in a safe manner, maintain full surveillance of all boating conditions at all times, and never become distracted by the easyONE-DSC$_{CL}$ to the exclusion of safe operating practices.

# 14 Specifications

| Description | Value |
|---|---|
| **Dimension** | 195 * 50 * 30 mm |
| **Weight** | 120 grams |
| **Waterproof** | up to 10 meter depth |
| **Battery** | LiMn cells |
| **Bettery operating time** | 36 h at 0°C |
| **Battery lifetime** | 7 years |
| **Frequencies** | AIS: 161.975 MHz and 162.025 MHz<br>DSC: 156.525 MHz |
| **Radiated power** | AIS: ≥ 1 Watt<br>DSC: ≥ 0,5 Watt |
| **GPS/GNSS receiver** | 72 channel receiver with integrated antenna pursuant to IEC61108-1 |
| **VHF antenna** | foldout; rolled up in the device during inactive mode |
| **Display** | 9 LEDs<br>1x GPS status<br>2x Flash<br>6x FLARE |

| | |
|---|---|
| **Controls** | 2 buttons, "TEST" & "ON" |
| **supported AIS messanges in transmission mode** | **Message1**<br>AIS position report<br>8x per minute<br>Unit-ID (9 digits starting 972...)<br>Speed over Ground (SOG)<br>Course over Ground (COG)<br>**Message14**<br>AIS safety related message (SRM)<br>2x every 4 minutes<br>Unit-ID (9 digits starting 972...)<br>Text:<br>"MOB ACTIVE" in alert mode<br>"MOB TEST" in test mode |
| **transmitted information in DSC mode** | Unit-ID (9 digits starting 972...)<br>GPS position (LAT/LONG)<br>in test mode: TEST CALL<br>in alert mode: DISTRESS RELAY |
| **Operating temperatur** | -10°C to +55°C |
| **Storage temperatur** | -30°C to +70°C |
| **Identification** | MMSI: 972XXXXXX as MOB TEST or as MOB ACTIVE |

*Table 3: Specification*

# 15 Declaration of Conformity

Due to legal requirements the following declaration of conformity has to be placed aboard always!

EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

# EC DECLARATION OF CONFORMITY

We: **Weatherdock AG,**
Emmericher Str. 17, D-90411 Nürnberg

declare under our sole responsibility that the products

| Name and Type | **easyONE (A109), easyONE-DSC-CL (A10901), easyONE-DSC-CL-M (A10902)** |
|---|---|

are manufactured conform to the contents of the following table:

| | | |
|---|---|---|
| Product | AIS-MOB (Automatic Identification System Man-over-board transmitter) with optional DSC functionality | |
| EC Certificate of Conformity, Expertise No. | 14-113870 (PHOENIX TESTLAB) | |
| IC Certificate | 48IC17 (Timco Engineering Inc., LAB TEST Certification Inc.) | |
| EU Council Directive | Directive 2014/53/EU RED | |
| Testing standards | EN 60950-1:2006,<br>EN 301 489-1 V1.92,<br>EN 301 489-3 V1.6.1,<br>EN 61097-14:2010,<br>EN 300 440-1 V1.6.1, | EN 300 440-2 V1.4.1,<br>EN 301025-2, -3: V1.5.1 compliant (DSC)<br>RTCM 11901.1 compliant (DSC)<br>RSS-182, Issue 5, Jan 2012, RSS-287, Issue 2, Mar 2014) |
| Name, Address of manufacturer | Weatherdock AG,<br>Emmericher Str. 17,<br>D-90411 Nürnberg | |
| Notified Body | PHOENIX TESTLAB<br>Königswinkel 10<br>D-32825 Blomberg, Germany | |
| EU Identification Number | 0700 | |
| Marking on device label | CE | IC: 11269A-ONE<br>FCC ID: ZO5WDC-A109 |
| Additional standards or certifications | • USCG | |

**Usage:**
The intended usage of the easyONE is to provide Search and Rescue locating information for on-screen Search and Rescue in maritime distress situations.

**Technical Construction File:**
The technical construction file for this product is held by Weatherdock AG

On behalf of Weatherdock AG

Alfred Kotouczek-Zeise, CEO
Feb. 18th, 2020

Jürgen Zimmermann, CTO
Feb 18th, 2020

## Anhang : Mitführen in Luftfahrzeugen

Der easyONE (AIS-MOB) ist von dem Verbot des Betriebs elektronischer Geräte in Luftfahrzeugen nach der "Verordnung zur Regelung des Betriebs von nicht als Luftfahrtgerät zugelassenen elektronischen Geräten in Luftfahrzeugen (LuftEBV)" nach § 27 Abs. 3 des Luftverkehrsgesetzes vom 10.Mai 2007 (BGBl. I S. 698) ausgenommen.

Begründung:
Nach Absatz 2 der LuftEBV ist der easyONE (AIS-MOB) kein "Elektronisches Gerät" im Sinne dieser Verordnung, da das Gerät - in der Schwimmweste oder an einer Person befindlich - als Seenot-Rettungssender nicht aktiviert und im Sinne der Verordnung nicht in Betrieb ist. Der easyONE (AIS-SART) ist auch nicht in einer Betriebsart, die ein internes Weiterarbeiten des Gerätes zulässt (z. B. Stumm- oder Bereitschaftsschaltung). Die elektronischen Schaltkreise sind im deaktivierten Zustand von der Energieversorgung (Batterie) getrennt.
Ein unabsichtliches Senden im Sinne der Verordnung wird beim Tragen des easyONE (AIS-MOB) in einer Schwimmweste oder an einer Person durch die von der IMO (Internationale Maritime Organisation) in der Resolution IMO MSC.246(83) Annex 18 Absatz 2.2.1 vorgeschriebene Vorrichtung [*"The AIS-SART should: be fitted with means to prevent inadvertent activation;"*] verhindert.

## Annex : Carriage on Aircrafts

The easyONE (AIS-MOB) can be carried on aircraft according to the German regulation "Verordnung zur Regelung des Betriebs von nicht als Luftfahrtgerät zugelassenen elektronischen Geräten in Luftfahrzeugen (LuftEBV)" nach § 27 Abs. 3 des Luftverkehrsgesetzes vom 10.Mai 2007 (BGBl. I S. 698).

Explanatory Statement:
According to section 2 of LuftEBV the easyONE (AIS-MOB) is not an electronic device in the sense of this regulation, because the device, which is fitted on a life vest or carried at a person as a Search-and-Rescue-Transmitter, is not activated and therefore in non-operating state. The easyONE (AIS-MOB) is also not in a state, which allows an internal continued operation (e. g. silent or stand-by). The electronic circuits are disconnected from the power supply (battery) when deactivated.
An inadvertent activation of the transmitter in the sense of this regulation is prevented when the device is carried in a life vest or at a person by the requirement of the IMO Resolution MSC.246(83) Annex 18 section 2.2.1 : [*"The AIS-SART should: be fitted with means to prevent inadvertent activation;"*].

On behalf of Weatherdock AG

Alfred Kotouczek-Zeise, CEO
February 28th, 2012

Jürgen Zimmermann, CTO
February 28th, 2012

Visit us at:
www.easyais.com

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**Registered:** HRB 25498, Amtsgericht Nürnberg
**Int. VAT-ID:** DE232244562
**German taxation number**: 216/120/80108

# 16 Personal Notes

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easy ONE DSC CL

Made in Germany by Weatherdock AG