

easy2-MOB

A22800

MOB: AIS + DSC

User Guide

English

Vers.: 1.2

easy2-MOB

Made in Germany by Weatherdock AG

Table of Content

1 SAFETY INTRUCTIONS 5

2 RESTRICTIONS 6

3 PRODUCT AND PERFORMANCE DESCRIPTION .. 6

4 PRODUCT OVERVIEW 8

5 CONTROLS 9

5.1 Alarm flap 9
5.2 Magnet slider 9
5.3 Button "ON" 10
5.4 Button "TEST" 10
5.5 Antenna 11

6 OPERATION 12

6.1 TEST function (MOB TEST) 13
6.2 ALARM 16
6.2.1 Automatic activation 16
6.2.2 Manual activation 18
6.2.3 Functionality 18
6.3 Deactivation (switching off the device) 22

7 PROGRAMMING OF MMSI NUMBERS FOR DSC DISTRESS CALL USING APP 23

8 INSERTION IN LIFE JACKET 34

9 MAINTENANCE AND SERVICE 35

9.1 Basic Antenna Position 35
9.2 Maintenance/Service 39
9.3 Cleaning 39
9.4 „End of Use“ 39
9.5 Contact and Product Support 40
9.6 Disposal 41

10 TROUBLESHOOTING 42

11 RESCUE DATABASE AND LOGIN 44

12 LICENSE AGREEMENT 46

13 WARRANTY 47

14 TECHNICAL DATA 49

15 DECLARATION OF CONFORMITY 52

16 NOTES 53

Revisions
Stand 1.0, MK – 02/2023
Stand 1.1, JZ – 04/2024
Stand 1.2, VB; End of Use – 03/2025

Index of Abbreviations

AIS	Automatic Identification System
COG	Course over Ground
DSC	Digital Selectiv Call
ECDIS	Electronical Chart Display
GMDSS	Global Maritime Distress and Safety System
GNSS	Global Navigation Satellite System
LED	Light-emitting diode
MMSI	Mobile Maritime Service Identification
MOB	Man over Board
SAR	Search and Rescue
nm	nautical mile (1m = 1852 m)
SOLAS	Safety of Life at Sea (International Convention for the Safety of Life at Sea)
SOG	Speed over Ground
VHF	very high frequency
Unit ID	Individual device code

1 Safety Intructions

Read all safety warnings and instructions. Keep all safety notices and instructions for future use!

- Please keep the device out of the reach of children!
- Due to the internal, strong transmitter, medical devices such as e.g. B. Cardiac pacemakers can be impaired in their function!
- False triggering of an AIS/DSC emergency call is not a minor offense and can result in follow-up costs!
- Only have maintenance carried out by authorized service providers/dealers!
- Unauthorized opening of the device will void the warranty. Unauthorized and violent opening can destroy the device.
- Caution: There is a risk of explosion if the batteries are replaced with an unsuitable type of battery. Dispose of used batteries according to the instructions.
- If the device is used below 0°C or above 55°C, the capacity of the batteries will decrease. Keep the device away from heat or hot environments. The batteries inside the easy2-MOB could overheat, possibly even explode or burn and cause damage to the device and the environment!

2 Restrictions

There are no known restrictions for the usage of the easy2-MOB in EU countries.

USA: FCC ID: ZO5WDC-A228

3 Product and Performance Description

The easy2-MOB is a portable, battery-operated AIS MOB/DSC distress transmitter with integrated GPS/GNSS receiver. The device is intended for use in an automatic life jacket. In addition to the manual release, the device (A22800) has an automatic release by water contact. The device can float without additional aids.

The AIS/DSC distress beacon easy2-MOB is used in an emergency situation for direct notification via:

- AIS: All AIS receiving systems within range of the distress beacon. (8 x per minute; position updated every minute)
- DSC „closed loop“: Pre-programmed MMSI numbers from DSC receiving systems within range of the emergency transmitter. (for 10 mins)
- DSC „open loop“: All DSC receiving systems within range of the emergency transmitter. (after 10 minutes "closed loop" without confirmation)

These recipients receive information about an existing distress situation and the current position.
A transmission of the position report in the so-called DSC "closed loop" is possible to up to 8 different MMSI, provided these have been programmed into the device. (Programming can be done at any time with an iOS or Android device via Bluetooth 4.0).

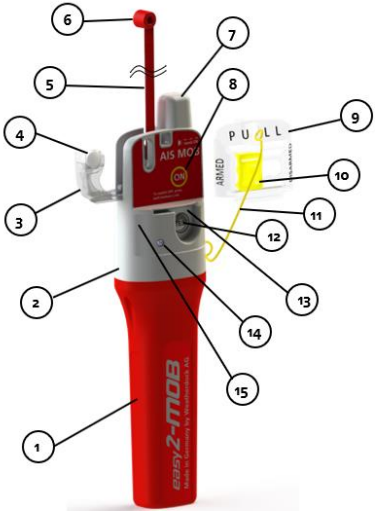
The position report is sent automatically in the so-called DSC open loop if there is no confirmation within 10 minutes within the closed loop.

The device is compatible with the AIS system (Automatic Identification System) used worldwide.

The device is compatible with the worldwide used DSC radio procedure (Digital Selective Call).

The device is compatible with Android and iOS smart devices.

4 Product Overview

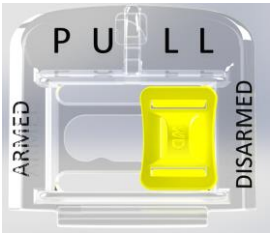


1. Base housing
2. Upper housing
3. Antenna flap
4. Water-soluble cellulose tablet
5. Antenna
6. Antenna head
7. GPS antenna
8. Button „ON“
9. Alarm flap
10. Magnet slider
11. Lanyard, 1 m
12. Button „TEST“
13. Program-LED
14. Status-LED
15. Emergency light LED

5 Controls

5.1 Alarm flap

The transparent alarm flap (9) in the upper area of the device serves to avoid false alarms and at the same time secures the antenna flap (3).



5.2 Magnet slider

New regulations stipulate that automatic activation can be switched off for an AIS-DSC-MOB device. This is done by the magnetic slide (10) integrated in the alarm flap.



- **"Disarmed"** means that the automatic release is switched off, and a test is not possible either

- **"Armed"** means that the automatic release is activated, a test is also possible

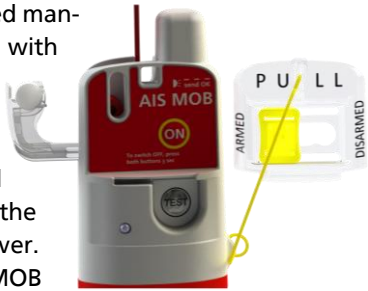
5.3 Button "ON"



The device can be activated manually with the "ON" button (8) (see also Chapter 6.2.2). Pressing this button triggers an AIS distress signal, which is received by all ships and coast radio stations in the area equipped with an AIS receiver.

A DSC alarm is sent parallel to the AIS signal. (see also Chapter 6.2.3)

5.4 Button "TEST"



The device can be activated manually for a function test with the "TEST" button (12). By pressing this button, an AIS test distress signal is triggered once, which is received by all ships and coast radio stations in the area equipped with an AIS receiver. The additional text message "MOB TEST" informs each recipient of this test signal that it is a function test, i.e. not an emergency.

In addition to the AIS telegrams, a DSC telegram is sent to the programmed MMSI numbers. (See Chapter 7 for more information on programming the MMSI numbers).
The red LEDs flash for the period of the test transmissions. (For more information on the TEST function, see Chapter 6.1)

5.5 Antenna



When rolled up, the antenna (5) is located in the upper part of the transmitter. It is secured with a water-soluble tablet (4), the antenna- and alarm flap. After the antenna flap (3) has been triggered by contact with water or the alarm flap (9) has been removed by hand, the antenna unrolls itself upwards. The device activates automatically when it comes into contact with water, without you having to intervene (the magnetic slider (10) must be set to "armed").

6 Operation

The AIS MOB easy2-MOB can float without additional aids. In heavy seas, the easy2-MOB may need a long time to determine a GPS/GNSS position while swimming.
For best AIS transmission performance and GPS/GNSS reception accuracy, hold the beacon in your hand as high out of the water as possible.



LED display	Operating condition
FLASH LED (13/14) + Emergency lights LEDs (15) flashes regularly	Device sends
Status-LED (14) lights up permanently	Position is determined
Status-LED (14) flashes regularly	Position reception is flawless. A position is continuously determined

Table 1: Flashing/Lighting Pattern Operating Status

6.1 TEST function (MOB TEST)

Test the easy2-MOB for transmission function at regular intervals. The easy2-MOB has a so-called 'shelf life' of 7 years. This means that with a maximum of 30 test cycles, the battery still has sufficient capacity in the 7th year (in accordance with the standard).
More frequent testing reduces the battery capacity.
(see also table "Technical Data",Chapter 14).

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

Carrying out the test function:

- Before you start the test, you must set the magnetic slide (10) to the "Armed" position and a "Mothership" MMSI should already be programmed (see Chapter 7).
- Have the DSC radio and AIS chartplotter ready for operation.
- Leave the antenna rolled up in the device.
- Place the device in an upright position for GPS reception. Don't lay it horizontally on a table!



- Press the "TEST" button (12) for 1 second until the yellow LED (14) lights up. Make sure you have a clear view of the sky for good GPS/GNSS reception conditions.

Process	LED state
Device is attempting to obtain a GPS fix/GNSS fix	Yellow status LED (14) lights up continuously
Device checks whether one or more MMSI numbers are programmed (duration: 10 seconds)	White program LED (13) lights up continuously (10 seconds) if at least 1 MMSI is programmed
GPS fix/GNSS fix available	Yellow status LED (14) flashes slowly (2 every second).
Device sends 8 x AIS test transmission (duration: approx. 14 seconds)	

Device sends 1 x DSC test transmission to the first "Mothership" MMSI in the list. (See Chapter 7, Programming)	
"DSC Acknowledgment" is received (After confirming the message on the radio.)	Status LED (14) changes from yellow to green

Table 2: Test mode flashing/lighting pattern

Test results

At the end of the test phase, the test result can be read from the flashing pattern of the LEDs.

Process	LED state
Everything is OK	Status LED (14) glows solid green at the end of the test
Only GPS fix/GNSS fix is OK	Status LED (14) turns solid amber at the end of the test
Only DSC-Acknowledge is OK	Status LED (14) quickly flashes green (5Hz)
Nothing is OK	Status LED (14) quickly flashes yellow (5Hz)

Device switches off automatically after the test phase	All LEDs (13,14,15) flash briefly together

Table 3: Flashing/Lighting Pattern Test Result

The current battery status of the easy2-MOB can also be queried via Bluetooth using the app.
However, please limit the number of Bluetooth connections to what is absolutely necessary (e.g. monthly, i.e. a total of approx. 60 times) in order to conserve the battery capacity of the device in emergencies.

6.2 ALARM

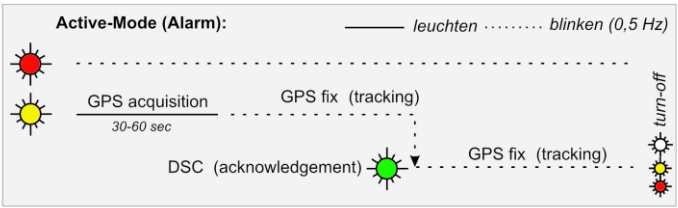
6.2.1 Automatic activation

The AIS MOB easy2-MOB is intended for use in an automatic life jacket (see Chapter 8). The vest opens and inflates when it comes into contact with water if you fall into the water. This puts the transmitter in the water and releases the antenna. When the antenna is unwound, 2 contacts are exposed, via which the transmitter activates itself automatically when it comes into contact with water.

IMPORTANT: For automatic triggering in the event of contact with water, the automatic system must first be activated before the transmitter is inserted into the life jacket. This is done by moving the magnetic slider (10) from "**disarmed**" to "**armed**".

Process	LED state
The device was automatically activated by the water contact	Red LEDs flash
GPS fix/GNSS fix is obtained	Status LED (14) lights up yellow for 30 to 60 seconds after activation (it may take up to 5 minutes).
Stable GPS fix/GNSS fix is available	Status LED (14) changes to flashing mode (yellow)
Waiting for DSC acknowledgment from a DSC radio or coast station	Status LED (14) continues to flash yellow
"DSC Acknowledgment" is received - everything is OK	Status LED (14) changes from yellow to green

Table 4: Flashing/lighting patterns for alarm triggering



6.2.2 Manual activation

When starting up manually, the alarm flap (4) is torn away from the device using the yellow lanyard (9). This allows the rolled up and stretched antenna (5) to unfold. The "ON" button (8) is now free and can be pressed to trigger the emergency signal.

The device when triggered manually always keep away from face!

IMPORTANT: If the magnetic slider (10) is set to "disarmed", the transmitter will not be automatically activated when it comes into contact with water. The transmitter can then only be activated manually.

6.2.3 Functionality

AIS

When the easy2-MOB is triggered, the transmission of AIS emergency telegrams always starts by default as soon as a position fix is available.

These include:

- Current GPS/GNSS position
- Current course and speed over ground
- Text message "MOB ACTIVE"

- Unique identification number of the sender (Unit ID, similar to MMSI)
- Navigation status 14 (activated distress beacon)

According to the current standard, the position report of the easy2-MOB should appear as a circle symbol with an "X" on the electronic display/map (a system update may be necessary via the manufacturer of the display device):



On all older displays it always appears at least as a ship symbol:



The information displayed is the 9-digit "Unit ID" (MMSI) of the easy2-MOB, beginning with "972....." and a safety message (SRM) "MOB ACTIVE", as well as a acoustic and optical alarm triggered.

DSC closed loop

When the device is triggered, the emergency messages are sent out parallel via DSC to all MMSI numbers programmed into the device (closed loop).

The first DSC transmission immediately after triggering contains the unit ID of the transmitter, but no GPS/GNSS position data.

As soon as the easy2-MOB has received a position fix and the coordinates have been determined, another DSC emergency call is made parallel to the AIS transmission. But this time with the current GPS/GNSS position data.

This transmission takes place at an interval of 5 minutes. The built-in DSC receiver is activated for confirmations from the programmed "closed loop" MMSI numbers for the duration of the "closed loop" (approx. 11-15 min).

DSC open loop

Please also note that a DSC emergency call ("All-Ships Call") can trigger a rescue operation, which may incur costs. Therefore, handle the device carefully to avoid such false alarms.
However, if a "DSC open loop" is accidentally transmitted, switch off the device immediately. Then the easy2-MOB sends a "Self-Cancel" telegram to all ships that the emergency situation no longer exists!
The device switches to the DSC open loop automatically if there is no confirmation within the DSC closed loop after a period of 11-15 minutes.
The easy2-MOB now sends an "all ships call" at intervals of 5 minutes for a period of 30 minutes. That can be received with

other DSC radios which where e.g. used by commercial ships. In this way, the emergency call can be forwarded to a coastal control center.

After 30 minutes without a confirmation being received, the transmission interval increases to 10 minutes each time. This interval is maintained until the end of the emergency situation.

As soon as the easy2-MOB in the DSC open loop receives confirmation that it has received the emergency signal, the DSC functionality is switched off.

The parallel transmission of the AIS emergency telegrams continues independently (until the battery is exhausted or the device is deactivated).

Distress light

When the rescue transmitter is triggered (manually or automatically), the red LEDs of the electronic emergency light also start flashing, alternating with the status LED (14).

The distress light flashes every 2 seconds.



6.3 Deactivation (switching off the device)

Deactivate ON mode:
Press the "ON" button (8) for at least 3 seconds until all LEDs (13, 14, 15) flash together briefly.

Deactivate TEST mode:
Press the "TEST" button (7) for at least 3 seconds until all LEDs (13, 14, 15) flash together briefly.

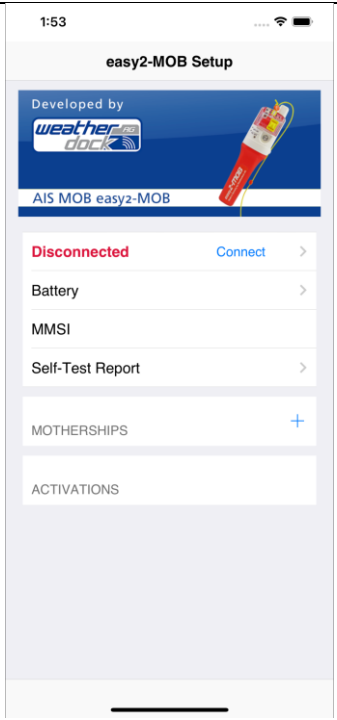
7 Programming of MMSI numbers for DSC distress call using app

Up to 8 different ship MMSI numbers can be programmed via Bluetooth connection between a smartphone/tablet and the easy2-MOB. The app required for this is available for download free of charge for Apple and Android devices (from iOS11/Android6).

Download the apps at:
https://www.easyais.com/en/downloads/apps/

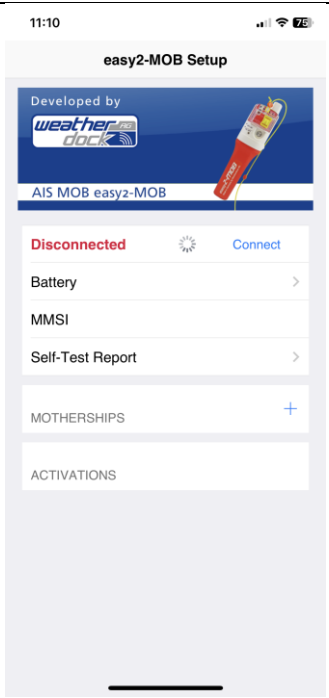
After you have downloaded and installed the appropriate app for you, please follow the instructions below step by step:

	Attention: Please make sure that the yellow slider is on ARMED position. Otherwise all buttons are deactivated. Press the "TEST" button for >3 seconds until the white LED lights up. After 4 seconds, the white LED starts flashing. → Bluetooth is ready



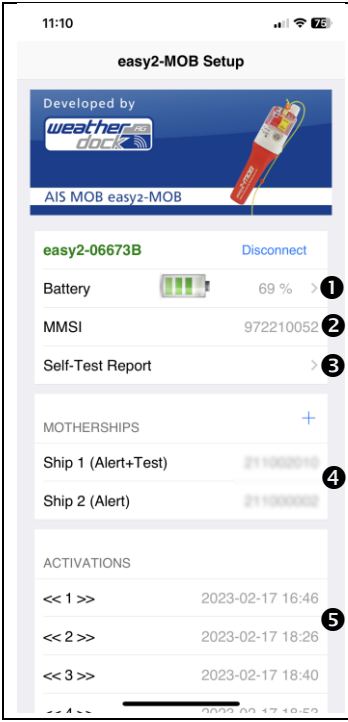
Open the easy2-MOB app and you will get to this start screen.

If you have switched your easy2-MOB to Bluetooth mode, please press Connect to establish a connection between the smartphone and the AIS rescue beacon.

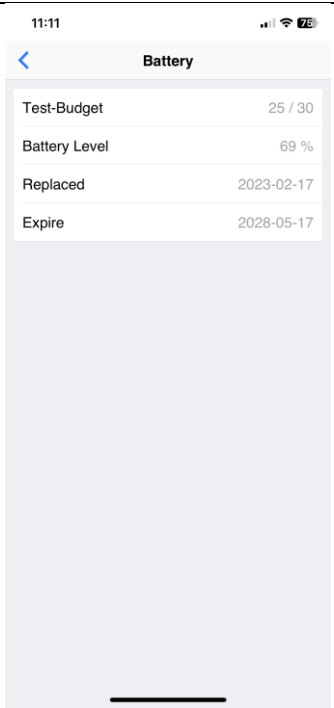


The connection is established.

After a successful connection, you will see additional information about the device on the start screen.



1. You receive information about the battery status of the device
2. You will see the MMSI number of the device
3. You see the result of the self-test
4. You will see radio DSC numbers already programmed (no number entered upon delivery)
5. You will see an overview of the device activations that have already taken place (no number entered upon delivery)

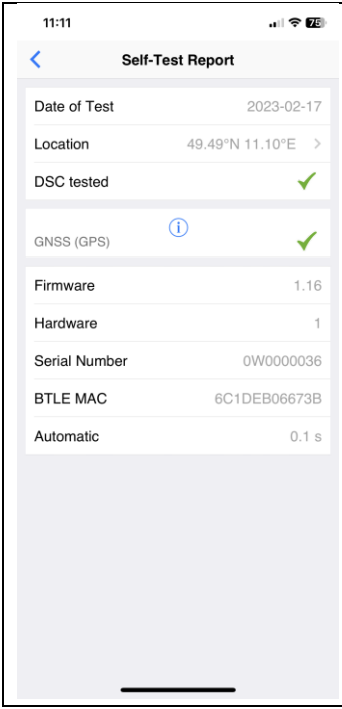


If you press the small arrow next to "Battery" on the right in the start screen, you will get to this display.

This shows how many test intervals you still have available.

You will receive information about the current charge level of the battery and the date of the last battery change.

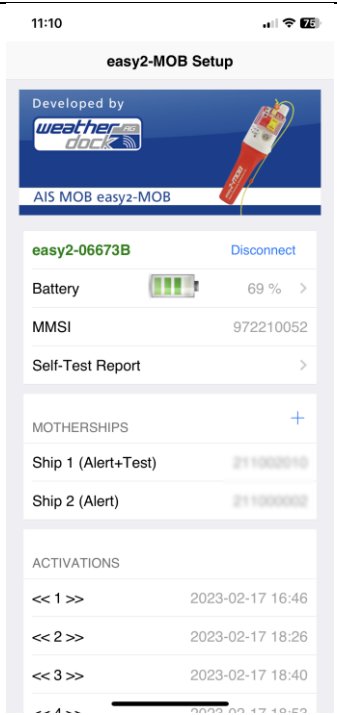
In addition, there is information when the battery has reached its expiration date and needs to be changed.



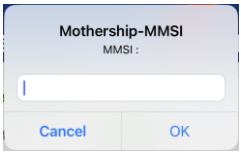
If you press the small arrow next to Self-Test-Report on the right side of the start screen, you will get to this display.

Here you can see the result of a self-test that was carried out.

You can see when and where this test was carried out and you can see the test results and information about the device itself.

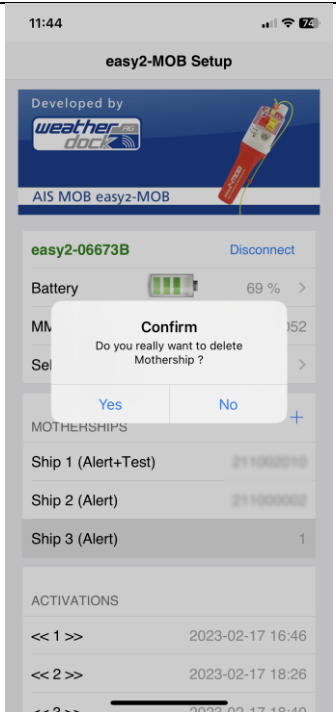


If you press the "+" symbol for Motherships on the right in the start screen, you will get to this display or get this input mask.



Here you can enter the MMSI number of your DSC radio.

In addition, up to a total of 8 different MMSI numbers can be programmed.

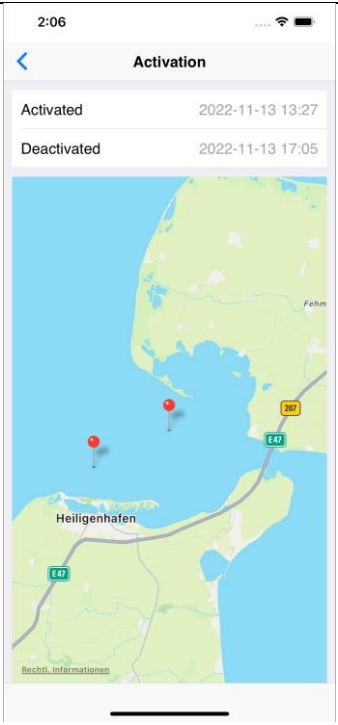


If you tap on one of the already programmed and displayed DSC numbers in the start screen, the dialog requesting you to confirm the deletion of this number appears.

DANGER:
The first "mothership" in the list is also used for the test.

NOTICE:
Reduce the number of "motherships" as much as possible to extend the runtime of the device.

.



If you tap on a displayed date under ACTIVATIONS on the start screen, you will get this display.

You will see the activation and deactivation date/time and a map will show you where this took place.

Too many active Bluetooth devices in the vicinity, e.g. Smartwatches, fitness trackers etc. can cause problems when establishing the Bluetooth connection with the easy2-MOB. It often helps here to repeat the connection attempt (press "Connect" again as instructed by the app).

Otherwise, please switch off the Bluetooth on your smartphone. Also deactivate Bluetooth on all other devices in your area that currently have an active Bluetooth connection. Then switch the Bluetooth function on your smartphone/tablet back on and start programming again.

Please limit the number of Bluetooth connections to what is absolutely necessary in order to conserve the battery life of the device in the event of an emergency.

8 Insertion in life jacket

The easy2-MOB is intended for use in an automatic life jacket. The AIS rescue beacon is inserted into the folded side of the swim bladder without the release mechanism of the automatic life jacket. To do this, the zipper/Velcro fastener at the lower end of the vest is first opened. The lanyard (9) of the AIS MOB is attached to a suitable place - e.g. eyelet or loop inside the vest - attached. Then the device is placed upside down in the vest between the folded swimming body, the lanyard is threaded and the zipper/Velcro fastener is closed again. With this placement, the rescue beacon is free to slide in water while the lifejacket inflates.



For active use of the vest, the magnet slider must be set to the "armed" position. If the vest is not used, it is advisable to set the magnetic slider back to "disarmed".

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

9 Maintenance and Service

9.1 Basic Antenna Position

If the antenna mechanism of your easy2-MOB 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 easy2-MOB to original state.
Therefore you'll need a standard allen key (size 3mm) and a Secumar dissolvable activation pill from your specialist shop or our easy2-MOB Refit-Kit B113.

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 oft he 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 easy2-MOB is fully functional again.

1.



2.


AIS
To switch OFF,
both buttons 3

3.


ON
GPS OK
NO GPS

4./5


AIS MOB
GPS OK
NO GPS

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

After the battery expiration date, the batteries must be replaced by the 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 „End of Use“

After 10 years (from the date of manufacture), the "normal" service life of the plastic housing (in the salty sea air environment) is reached; reliable function can therefore no longer be guaranteed in all cases. The device must be removed from use as a rescue transmitter.

You can find the manufacturing date on the label on the back of your rescue transmitter.

9.5 Contact and Product Support

Although Weatherdock AG always endeavors to process all publications with the greatest possible accuracy, these instructions may contain errors or ambiguities. In addition, changes to these instructions are the sole responsibility of Weatherdock and can be carried out without prior notice.

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 Nürnberg

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

9.6 Disposal



The AIS MOB easy2-MOB uses lithium batteries. These shall not be given to normal household waste and must be taken to the collection of recyclables.

If you want to dispose of the device, you can do this at a recycling center in your area, at an appropriate dealer or through us.

10 Troubleshooting

Please read these troubleshooting options carefully. They can sometimes be vital in the event of a problem in an emergency situation!

Error	Solution
Antenna does not roll out automatically	Pull the alarm flap (4) with the lanyard off the device and use your hand to push the antenna flap (3) counterclockwise outwards. The antenna (5) then rolls out immediately. By pressing the "ON" button (7) you activate the emergency signal manually.
The device cannot be activated manually using the ON button	Hold the device under water for 5 seconds so that the device is automatically activated by water contacts.
The easy2-MOB does not find a GPS/GNSS position (GPS status LED does not flash)	Hold the easy2-MOB (in your hand) as far out of the water as possible. This also increases your transmission range!

The easy2-MOB has become stuck in the life jacket or between the life jacket and the body.	Carefully try to free the easy2-MOB without damaging the swim bladder.
TEST mode cannot be activated.	Please send the device to us for service immediately your dealer. This is for your own safety!
After the TEST, the LEDs flash.	Please refer to the tables on pages 19, 39-40

Table 5: Troubleshooting

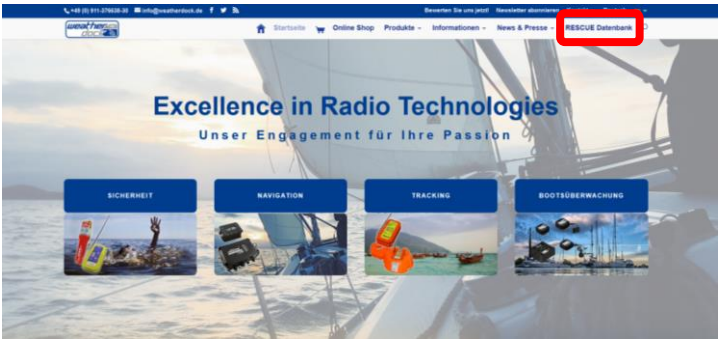
If the device cannot be activated (TEST/ON mode), send it immediately back to your dealer for service!

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



By providing this data, you enable official rescue organizations such as e.g. the DGzRS to be able to act effectively and quickly in an emergency. All of this information is voluntary. Your data is stored in encrypted form on German servers and

can only be viewed by accredited rescue organizations by entering the unit ID of the rescue transmitter.

Register with your email address and set a password. You can manage several rescue transmitters in your account. On the type label of each easy2-MOB there is a unique device identification number (Unit-ID) with which you can register your rescue transmitter in the RESCUE database.

To the RESCUE database:



https://www.easyais.com/en/rescue-database/

12 License agreement

By using the easy2-MOB you agree to the conditions of the following warranty agreements. Please read this agreement carefully.

Weatherdock AG grants you a limited license to use the device in the normal operation of the product. Title, ownership rights and intellectual property rights in and to the software remain with Weatherdock AG.

13 Warranty

Weatherdock AG guarantees this product for a period of 2 years from the date of purchase against material and manufacturing defects. Within this period, Weatherdock AG will, at its own discretion, repair or replace defective components in normal use. Repairs or replacements are made at the expense of Weatherdock AG without charging for parts or labor. However, the customer bears the shipping costs. This warranty does not apply to abuse, misuse, accident, or unauthorized modifications or repairs.

THE WARRANTIES AND RIGHTS CONTAINED ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND OR STATUTE, EXPRESS OR IMPLIED, INCLUDING ANY STATUTORY OR OTHER LIABILITY FROM ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty gives you specific legal rights which vary from country to country. In no event shall Weatherdock AG be liable for any incidental, special, indirect, or consequential damages arising out of the use, possible inability to use, or any defect in the product. Weatherdock AG reserves the sole right to repair or exchange the device or the software or to refund the purchase price. This right is your sole and exclusive right under warranty.

Products purchased in online auctions do not entitle you to discounts or use of special offers from Weat-herdock AG. Purchase confirmations from online auctions are also not recognized as proof of warranty claims. An original sales receipt from the retailer is always required to settle warranty claims. Weat-herdock AG does not replace missing equipment or accessories in products purchased in online auctions. In the event of a warranty claim, contact your Weatherdock AG dealer. He will coordinate the further procedure with you. If you

want to ship the device, pack it carefully and send it with sufficient postage to the address given by your dealer. When making warranty repairs, always include a copy of the original sales receipt as proof of ownership. The easy2-MOB contains no user-serviceable parts. If you have a problem with your device, contact your dealer. Any attempt to open, change or modify the device will void the warranty and may irreparably damage the device.

14 Technical Data

Description	Value
Dimensions	420 * 50 * 30 mm
Weight	120 gramms
Waterproofness	Up to 10 meters
Battery	LiMnO2-cells
Battery operating time	AIS + DSC acknowledgement after first transmission: 60h+ (typical sequence, room temperature) AIS + DSC without acknowledgement: 40h+ (worst case, room temperature)
Battery lifetime	7 years with a total of 30 test cycles (can be viewed in the app)
Frequencies	AIS: 161,975 MHz and 162,025 MHz DSC: 156,525 MHz Bluetooth: 2,4 GHz
Radiated transmit power	AIS: ≥ 1 W, DSC: ≥ 0,5 W Bluetooth: 6 mW
GPS/GNSS receiver	72-channel receiver with integrated antenna according to IEC 61108-1
VHF antenna	Fold out Rolled up inactive in the device
Display	9 LEDs (1 x GPS status, 2 x FLASH, 6 x emergency light)
Controls	2 buttons (“TEST” and “ON”)

Supported AIS messages in transmission mode	**Msg.1:** **AIS position report is sent** • **6-8 times per minute** • **Unit ID: 9-digit identification number** • **Speed Over Ground (SOG)** • **Course Over Ground (COG)** • **GPS position** **Msg.14:** **AIS safety message is sent** • **2 times every 4 minutes** • **Unit-ID** • **Text: "MOB ACTIVE" in ALARM mode** • **Text: "MOB TEST" in TEST-mode**
Sent Information in DSC mode	• **Unit ID: 9-digit identification number** • **GPS Position (Lat./Long.)** • **In TEST mode: TEST CALL** • **In ALARM mode: DISTRESS RELAY**
Operating temperatur	**-10°C up to +55°C**
Storage temperature	**-30°C up to +70°C**

Product standards	**IEC63269, RTCM 11901.1**
Identification	**MMSI/Unit-ID: 972XXXXXX as MOB ACTIVE/TEST**

Table 6: Technical data

15 Declaration of Conformity

Weatherdock AG hereby declares that the radio system type easy2-MOB complies with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

https://www.easyais.com/en/declaration-of-conformity/easy2-mob/

You can find helpful videos on our YouTube channel:

https://www.youtube.com/@EasyaisDe/playlists

16 Notes

Weatherdock AG
Emmericher Strasse 17
D – 90411 Nürnberg
Tel.: +49 (0) 911 – 37663830
Fax: +49 (0) 911 – 37663840
www.easyais.com
info@weatherdock.de

easy2-MOB
Made in Germany by Weatherdock AG