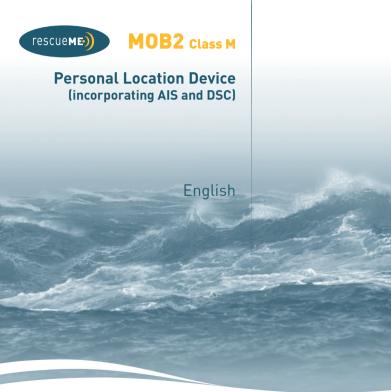


User Manual



www.oceansignal.com





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IN CASE OF EMERGENCY



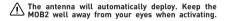
Use only in situations of grave or imminent danger

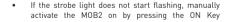
Only activate your MOB2 in emergency situations requiring assistance. Deliberate Only activate your MOB2 in a fine.

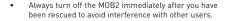
If the MOB2 is correctly fitted to the life jacket, then it will automatically activate when the life jacket inflates. This guide shows how to manually activate the MOB2.

Slide the red Arming Tab down

Slide the grey Activation Slide sideways to remove it. This will release the antenna and activate the MOB2











To deactivate the MOB2, press and hold the TEST/OFF Key Re until the red LED flashes twice, then release.









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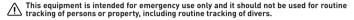
1 **GENERAL**

1.1 Exposure to RF Electromagnetic Energy

This product complies with EN62479 (EU) and RSS-102 (Canada).

This product has been evaluated for compliance with the FCC RF exposure limits given in CFR 47 part 2.1093: Portable Device.

1.2 Warnings





If testing is performed more frequently than advised in this manual, then battery life may be reduced



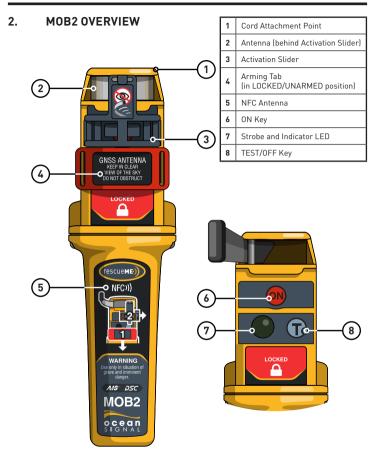
This radio device is designed to only provide an effective alerting and locating capability in close proximity to a vessel. This radio device is NOT a COSPAS SARSAT EPIRB or PLB.

1.3 MOB2 Box Contents









6





3. INTRODUCTION

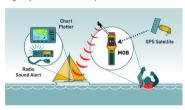
The rescueME range of products provides the user with the latest technology specifically designed for compact size and ease of operation. In the event that you fall overboard, the MOB2 is intended to alert your vessel, and other vessels in range, using real-time location tracking via AIS (Automatic Identification System) and seamless integration of Class M DSC (Digital Selective Calling).

3.1 AIS System

The AIS system operates on the VHF band. Transceivers are fitted to all commercial ships and an evergrowing number of recreational vessels globally. Shortly after activation an AIS location device, such as the MOB2, will activate a MOB target and message on plotters in all AIS equipped vessels within the VHF range alerting them to the fact that emergency assistance is required. Often it is a vessel

in the close vicinity of an incident that is able to react and effect a rescue quicker than the emergency services. Emergency service craft are fitted with AIS receivers allowing them to pinpoint emergencies in the water more precisely than any other system.

The method in which an AIS message is displayed will depend on the reception equipment being used. AIS enabled plotters will display a ship or Man Overboard target with the MOB2 preprogrammed AIS unique ID, that identifies it as a Man Overboard device.



Interface diagram showing typical usage

3.2 Near Field Communication (NFC)

The MOB2 is capable of connection to devices using near field communication (NFC). NFC technology allows communication between two electronic devices over a distance of 4cm (1.5") or less.

The benefit of using NFC in the MOB2 is that the power used for communication comes from the mobile device and not the MOB2. The Ocean Signal mobile app allows a user to access the MOB2 for viewing the latest test results and battery health, as well as providing a means to configure the MOB2 with a vessel MMSI, see section 3.3.

Download the app here:

Android:



ins.



7

To use the app simply align your mobile device NFC antenna to the front of the MOB2 where you see "NFC". Once connected, details about your MOB2 will be displayed on your mobile device including the product name and serial number, the unique AIS ID and any previous test results that have been stored.

The battery information is also available through the app, including the current battery expiry date and how long the battery has been in use so far.





3.3 Digital Selective Calling (DSC)

Your MOB2 is supplied with open loop* DSC enabled. In the event of a man-overboard emergency situation, the MOB2 will continue to transmit the AIS distress messages as well as a GMDSS DSC distress alert that is sent to all ships and stations within range that have a DSC VHF Radio. This distress alert will contain the current GNSS position of the victim in the water (once a GNSS fix is obtained) and is sent via VHF channel 70, maximising the chances of rescue from a nearby vessel in the event that your own ship is unable to assist.

The originating MMSI displayed on the DSC receiving radio will be the unique self-identification number pre-programmed into the M0B2 which cannot be changed. This number will always start with '972' irrespective of the country it was purchased in and will allow the DSC receiver to immediately identify a man-overboard situation requiring immediate assistance.

If your own vessel has a DSC enabled VHF radio, it is strongly recommended to programme your vessel's MMSI number into your MOB2 for testing purposes only. This is achieved using NFC and the Ocean Signal Mobile App, see section 3.2 for download links. Once the app is dowloaded, follow the on-screen instructions to add your vessel MMSI to the MOB2.

It is also possible using the mobile app to restrict the DSC functionality of your MOB2 to closed loop* DSC. If restricted to closed loop DSC, the MOB2 will only transmit a DSC distress alert to your vessel's MMSI that has been programmed within the MOB2, for the first twelve minutes of activation. It will not subset of activation. It will <a href="mailto:not subset of subset

It is recommended not to switch to a closed loop function unless your personal circumstances dictates it to be necessary.

* NOTE: DSC Closed Loop refers to the transmission of an addressed message to a closed user group, specifically the vessel's MMSI that you have programmed into your MOB2 as described above. The distress alert from the MOB is sent only to your vessel's DSC VHF radio, also known as the mothership.

 ${\bf DSC\ Open\ Loop}$ refers to an "all-ships" call that alerts all ships with a DSC VHF radio within range.

3.3.1 DSC Self-Cancellation

Once activated, the MOB2 will continue to transmit DSC distress alerts until it receives an acknowledgment from a nearby vessel that the distress alert has been received. If the MOB2 is deactivated before an acknowledgement is received, the MOB2 will transmit a final self-cancellation message via DSC advising that the distress alert has been cancelled.





4 LIFE JACKET INSTALLATION

If your rescueME MOB2 is not already pre-installed into the life jacket, please follow the instructions below carefully.



The following quide is a generic quide to installation of the MOB2 to a life jacket. Although the MOB2 is designed to fit most life jackets, always check with your life jacket manufacturer to ensure that there are no special fixing instructions for that model.



To prevent accidental activation when fitted to a life jacket, ensure that the clear cover is fitted over the grev activation slider with enough free length of the activation tape so it will not pull on the slider during normal activity of the life jacket. When NOT fitted to life jacket, ensure that the red Arming Tab is in the up (LOCKED) position



For installation into life jackets where the bladder is permanently attached to the cover welded bladder), please see the separate instruction sheet, available from the Ocean Signal website.



Once completed, the installation should be tested to ensure correct activation takes place. Refer to the life jacket manufacturer for the inflation process.

The MOB2 is activated when the activation slider is pulled from the front of the device by the tension in the tape created by the inflation of the life jacket. Unless the life jacket inflates, the MOB2 will not activate

The following installation images assume that the life jacket oral inflation tube is on the left hand side (as viewed from the front). If the tube is on the right hand side then the tape should be fitted on the opposite sides shown.

4.1 Remove the Activation Slider



The MOB2 will activate when removing or re-attaching the grey slider. Ensure it is turned off immediately by pressing and holding the TEST/OFF Key auntil the red LED flashes twice, then release.



Take great care to keep well clear of eyes and face as the antenna will be released yery quickly. Keep at least 30cm (12") clear to avoid possible injury.

- Slide the red Arming Tab down (1).
- Remove the grev Activation Slider (2). This will deploy the antenna and activate the unit.
- Deactivate the MOB2.

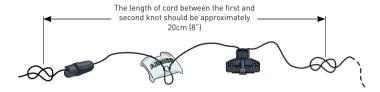




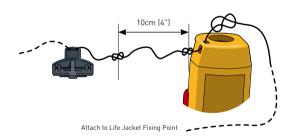


4.2 Secure the Activation System

- To prevent accidental loss, use the provided length of cord to tether the antenna rewind tool, activation slider and protective cover. Attaching these parts will prevent them falling into the water upon activation and ensure that they are available for re-use.
- Tie a knot in one end of the cord and pass the other end through the Antenna Winder tool, Protective 'ARMED' Cover and grey Activation Slider tying another knot after as shown below.



 Tie a third knot after approximately 10cm (4") from the second and then pass the remaining cord through the cord attachment point on the MOB2, tying another knot to secure.



 To prevent accidental loss, use the remaining length of cord from the attachment point located on the top of the unit to tether the MOB2 to a fixed point in the the life jacket. Select a secure point on the life jacket that the cord cannot detach of untie from if the MOB2 is accidentally removed from its bracket.

Ensure that MOB2 is securely tied to a fixed point on the life jacket that will NOT inhibit inflation. The fixing point will be identified in the life jacket user manual.





4.3 Attach the Activation Tape to the Activation Slider

- Pass the Activation Tape down through the inner slot in the grey Activation Slider.
- Pass the Activation Tape up through the outer slot in the grey Activation Slider.
- Pull the Activation Tape through the slider to leave approximately 2cm (1") free at the end.
- Pass the other end of the Activation Tape across the underside of the Activation Slider and tight to trap the tape to the slider.





4.4 Insert the Activation Slider into the MOB2

- The MOB2 will turn on during this process. Ensure it is turned off as soon as the grey Activation Slider is in place. Deactivate the MOB2 by pressing and holding the TEST/OFF Key until the red IFD flashes twice.
- · Place the antenna end cap into the recess.
- Pass the antenna winder through the hole in the top of the MOB2 and place over the antenna end cap.
- Rotate the winder anti-clockwise until the antenna is flush with the MOB2 fully wound. Do not remove the tool until the slider is in place.
- Push the grey activation slider into place ensuring the tape lies flat between the slider and the MOB2. This will activate the unit.
- Deactivate the MOB2.
- Remove the Antenna Winder to allow the antenna to rest behind the grey Activation Slider.
- Slide the red Arming Tab upwards to lock the Antenna Slider into place.





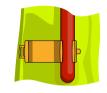




4.5 Attach the Oral Tube Bracket to the life jacket

· Place the Oral Tube Bracket as low down the oral tube as possible.

To activate the MOB2, the activation tape must be wrapped around a substantial part of the life jacket bladder. Many modern life jackets taper towards the neck for comfort and support in the water and correct installation of the MOB2 must ensure that the tape is around the larger part of the bladder rather than a tapered section where expansion may not be sufficient.



Fitting the Oral Tube Bracket as low down on the oral tube as possible will usually assist in ensuring that the tape is passed around the largest bladder section available.

- If there are whistles and lights fastened to the oral tube, then place them above the MOB2 bracket or attach them elsewhere to the life jacket.
- Fold the bladder behind the oral tube in accordance with the life jacket manufacturer's instructions.
- Rest the MOB2 on the Oral Tube Bracket and pass the free end of the tape around the back of the life jacket bladder taking care not to twist the tape.



 Feed the tape up through the innermost slot on the side of the Oral Tube Bracket. Loop the emerging tape over the attachment point and feed back up through the outermost slot.



- Feed the tape back down through the innermost slot so that it emerges at the same point where it originally entered.
- Clip the MOB2 into the Oral Tube Bracket taking care not to trap any loose tape.

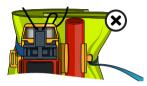






- Pull the free end of the tape so that the bladder is able to inflate and remains folded in accordance with the life jacket manufacturer's instructions.
- Do not over-tighten the tape. Test for tightness by ensuring you can freely insert a finger between the tape and the bladder.
- The tape should not impinge on the bladder, but be tight enough so that any unfolding of the bladder causes the activation of the MOB2.







- Once the MOB2 is fully attached to the life lacket it is ready to be armed. Slide the red Arming Tab down.
- A Protective "ARMED" Cover is provided to protect the MOB2 from accidental activation if the grev slider is knocked or otherwise moved under the life jacket cover. After arming the MOB2, fit the Protective "ARMED" Cover into the slots immediately adjacent to the arming slider. Make sure that both sides of the cover are clipped in place.



Close the life jacket outer in accordance with the manufacturer's instructions, ensuring that nothing is trapped in the enclosure.



Failure to arm the MOB2 will inhibit the semi-automatic activation of the MOB2 when needed and may restrict life jacket inflation.



Ensure that the MOB2 is securely tied to a fixed point on the life jacket that will NOT inhibit inflation.

4.6 Welded/Sewn-In Bladder Life Jackets

For installation into life jackets where the bladder is permanently attached to the cover, a separate fixing kit is required. The instructions for fitting in this type of jacket are provided with the separate fitting kit:

Fitting Kit for Welded/Sewn-In Bladder - Part Number: 741S-05890





5. OPERATION



Only use in situations of grave and imminent danger. Misuse may result in a severe penalty.



Ensure that your MOB2 is always fitted with an unused battery that is within the marked expiry date. Failure to do so may result in reduced operating time when used in a real emergency. Please observe the recommendations on testing in section 6.



To prevent accidental activation when installed in a life jacket, ensure that the clear protective 'ARMED' cover is fitted over the grey slider is described in section 4, with enough free length of tapes so it will not pull on the slider during the normal activity of the life jacket. When carrying the MOB2 please ensure that the Red Arming tab is always pushed up and locked into place.

5.1 Automatic Activation

When correctly packed in a life jacket the MOB2 will automatically activate when the life jacket inflates. Should the jacket fail to fully inflate, it may be necessary to assist the grey activation slider by pulling on the tape to fully release it.

5.2 Manual Activation



KEEP THE MOB2 FAR AWAY FROM EYES WHEN ACTIVATING.

The antenna will be automatically released.

- To manually activate your MOB2 in an emergency, push the red arming tab down, and slide the grey activation slider to the left or right to remove it.
- The strobe and infra-red light will start flashing. The MOB2 will automatically start transmitting after approximately 15 seconds. Please note that infra-red light is not visible by sight.
- If the MOB2 fails to activate when the slide is removed, press the ON key down until the
 green LED starts flashing. Release the ON key.
- Upon activation, the indicator LED will show two (2) flashes during an AIS transmission and four (4) flashes during a DSC transmission (see section 5.2.1 for full details of the flash sequences that can be seen during activation of the MOB2).

NOTE: if the MOB2 has been switched to closed loop DSC functionality, this will change from four flashes during a DSC transmission to one long flash during a DSC transmission for the first 12 minutes of activation.

- When operating the MOB2, tether the device to your body or life jacket to avoid accidental loss.
- Hold your device with the antenna standing vertically. Keep the area marked 'DO NOT OBSTRUCT' on the red arming tab free and clear whilst in use. Obstruction or covering of this area may interfere with GNSS reception.





5.2.1 LED Indications on Activation

TYPE	LED	SEQUENCE	STATUS	WHEN
Visual Aid to Location		1x strobe & infra-red flash	These flashes will aid Search and Rescue to pin-point your precise location when in range.	Once every 2.5 seconds >10% battery
Visual Aid & Low Battery Warning		1x amber, strobe & infra-red flash	An amber flash will preced the strobe and infra-red flash every 2.5s when the MOB2 has less than 10% battery remaining.	Once every 2.5 seconds <10% battery
	Ш	3x amber flashes (receiver in standby mode)	Three amber flashes will occur whilst unit is active and transmitting without GNSS Fix. This will change to green [below] once a DSC message is transmitted with a GNSS location.	
Receiver Status Indicator		3x green flashes (receiver waiting for DSC ack.)	Three green flashes will occur whilst unit is active and transmitting DSC with GNSS location. This will change to blue (below) once a DSC acknowledgement is received.	Once every 5 seconds
		3x blue flashes (DSC ack. has been received)	Three blue flashes will occur whilst unit is active and a DSC acknowledgement has been received. This will continue until the unit is deactivated or battery is depleted.	
GNSS		1x cyan flash	A cyan flash will occur every 5 seconds whilst the MOB2 is searching for a GNSS location fix.	Once every 5 seconds
Search/Fix	Ш	3x cyan flashes	Three cyan flashes will occur when a new or updated GNSS location has been obtained.	Once at GNSS Fix
AIS		2x green flashes	Two green flashes will occur during each AIS transmission that includes a GNSS location fix	8 times
Transmit	П	2x red flashes	Two red flashes will occur during each AIS transmission that does not include a GNSS location fix.	every minute
DSC Transmit		4x green flashes	Four green flashes will occur during a DSC open loop transmission (to all ships) that includes a GNSS location fix.	Once every 5 minutes for first 2 hours
Open Loop	Ш	4x red flashes	Four red flashes will occur during a DSC open loop transmission (to all ships) that does not include a GNSS location fix.	then once every 10 minutes*
DSC Transmit		1x long green flash	One long green flash will occur during a DSC closed loop transmission (to own vessel only) that includes a GNSS location fix.	for first 12
Closed Loop		1x long red flash	One long red flash will occur during a DSC closed loop transmission (to own vessel only) that does not include a GNSS location fix.	minutes then reverts to Open Loop**

^{*}DSC transmissions will continue until a DSC acknowledgement is received, the unit is deactivated or the battery is depleted.

*Continue of the property of th





5.3 Deactivation

To deactivate your MOB2 after use or if it is accidentally activated, press and hold the TEST/OFF Rey until the red . LED flashes twice, then release.

5.4 Rewinding the antenna

- Use the small grey Antenna Rewind tool supplied with the MOB2.
- Bend the MOB2 antenna so that the end can be viewed through the circular opening from above the MOB2.
- Slot the Antenna rewind tool into the circular opening so that the antenna end is locked into the rewind tool.
- · Rotate the tool anti-clockwise until the antenna is fully wound.
- Whilst holding the antenna in place with the tool, replace the grey activation slider and then remove the tool.



If the MOB2 has activated when replacing the grey slider, then deactivate immediately by pressing and holding the TEST/OFF Key until the red LED flashes twice, then release.

Rotating the antenna rewind tool in the clockwise direction may result in damage to the antenna.

5.5 False Alerts

If the MOB2 has accidentally activated, it should be immediately turned off and the nearest Coast Guard Centre or Rescue Coordination Centre should be contacted to explain that the MOB2 Man Overboard device has been activated in error and there are no follow up rescue actions required. If appropriate, make a call on a VHF radio to announce the same information.

5.6 MOB Message Reception

MOB AIS message display will depend on the reception equipment being used. AIS enabled plotters will either display a ship or AIS Man Overboard target with the MOB2 unique self ID. The DSC radio will display a DSC alert with the MOB2 unique self ID.





TESTING

Routine testing of your MOB2 is recommended to ensure it is in good working order. Please follow the guidance on the frequency that tests should be carried out. Each test will reduce the battery capacity slightly and reduce the operation time of your MOB2 during an emergency.

6.1 Functional and DSC Test

This test should be carried out once a month throughout the lifetime of an installed battery.

An MMSI number must be programmed into the M0B2 before commencing this test and the target radio must be within range.

To test your MOB2 is functioning correctly, press and hold the TEST/OFF m Key. After one second the red n LED will start to flash indicating that the Functional and DSC Test Mode is activated. The key may now be released.

After the TEST/OFF key is released a DSC test transmission will be sent to the MMSI number programmed into your MOB2 - see section 3.3. This test DSC transmission will be indicated by a long red flash and then followed by a short red flash every two seconds until an auto-acknowledgement is received from the target radio.

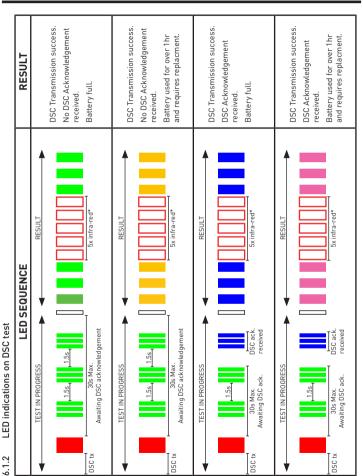
At the end of the test, the strobe will flash and the indicator LED will produce a flash sequence. This flash sequence indicates the pass/fail result. The following table provides full details of the possible flash sequences and their meaning.

6.1.1 LED indicator table colour key.

LED COLOUR			LED COLOUR	
	GREEN			MAGENTA
	RED			STROBE
	AMBER			INFRA-RED
	BLUE			(NOTE : Infra-red light is not visible by sight)

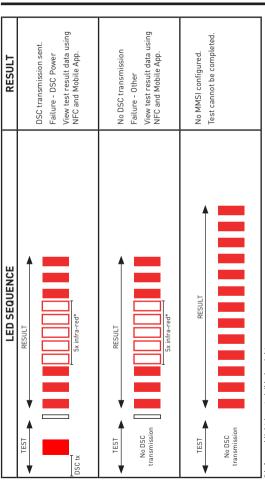












* Infra-red light is not visible by sight.

In the event of a test failure, contact Ocean Signal Ltd for advice at help@oceansignal.com.

Battery replacement must be carried out at an Ocean Signal authorised battery replacement centre. Visit www.oceansignal.com for a list of authorised centres.





6.2 AIS and GNSS Test

 $\underline{\bigwedge}$ This test should be carried out no more than once a year throughout the lifetime of an installed battery.

After the TEST/OFF key is released the LED will produce a cyan tash every five seconds whilst the MOB2 is searching for a GNSS location fix.

Once a GNSS location fix is obtained, the strobe will flash and the indicator LED will produce a flash sequence. This flash sequence indicates the pass/fail result.

In the event of a test failure, contact Ocean Signal Ltd for advice at help@oceansignal.com.

Batteries should be replaced at an authorised battery replacement or service centre. See www.oceansignal.com for details.

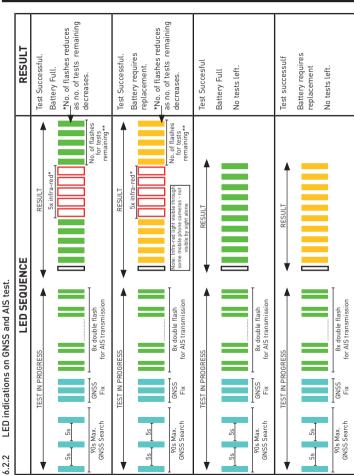
6.2.1 LED Indicator Table Key

LED COLOUR		LED COLOUR	
	GREEN		MAGENTA
	RED		STROBE
	AMBER		INFRA-RED
	CYAN		(NOTE : Infra-red light is not visible by sight.)



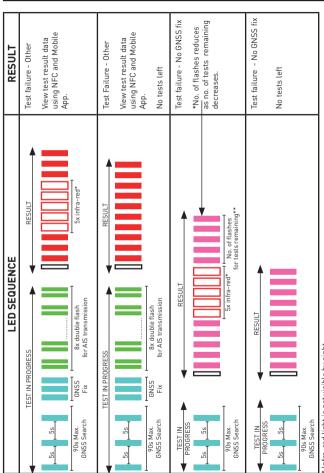












Infra-red light is not visible by sight.





7. APPENDIX

7.1 Maintenance and Troubleshooting

Your MOB2 should not need servicing during its lifetime, with the exception of changing the battery before the marked expiry date. Battery replacement must be carried out at an Ocean Signal authorised battery replacement centre.

Regular cleaning, inspection and testing are advised. Clean any grime or salt residue from the unit with a weak solution of detergent in warm water. Never use solvents as this this may affect the structural integrity of the plastics used. Rinse well with fresh water after cleaning and dry thoroughly.

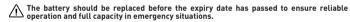
Inspect the units for signs of case damage or cracks, check the labels are intact and the battery is within the expiry date. Ensure the antenna is free to extend and in good condition.

Check for correct MOB2 operation using the available Test modes (section 6). If the unit appears to fail testing, contact a service representative at Ocean Signal Ltd. See www.oceansignal.com for full contact details.

7.2 Batteries

The MOB2 uses a lithium manganese dioxide battery pack to power the device. These batteries have a five year storage life before any significant reduction in capacity. Each MOB2 product is marked with a battery expiry date, located on the base of the unit.

The battery must be replaced either prior to the expiry date or after the MOB2 has been used, even if only activated for a short period of time. Battery replacement must be carried out at an Ocean Signal authorised battery replacement centre.



Always use an Ocean Signal authorised battery replacement centre when a battery change is required. Failure to do so will invalidate type approval and warranty and may also mean that the unit does not operate correctly in a distress situation.

Never dispose of the MOB2 or its batteries in a fire.

Never attempt to remove, puncture of dismantle the battery.

Never attempt to charge the battery.

Extreme temperature caused by failure to observe the above warnings may cause the battery to explode or catch fire, which can result in injury or damage to surrounding personnel or property.

Dispose of used products and its included batteries in a responsible manner, national and local regulations on battery disposal may apply including restricting the disposal of the batteries within this product in domestic refuse.





7.3 Battery Safety Information

Manufacturer name: LB9M Volts: 6.0V nominal Approximate weight: 34g Chemical System: LiMnO₂ Lithium weight/cell: 0.55g

Total Lithium weight/battery: 1.1g

Rechargeable: No

For information regarding the physical and chemical properties, the potential health and safety measures and the environmental effects of the battery used with this product, refer to the Product Safety Data Sheet which can be downloaded directly from the product page on the Ocean Signal website, www.oceansignal.com.

7.4 Handling and Storage

This product should be stored in a cool and well ventilated area. Elevated temperatures can result in a reduction of battery life. Locations that handle large quantities of lithium batteries must ensure that the batteries are isolated from combustibles.

Avoid accidentally short-circuiting batteries. Prolonged short-circuiting can cause the battery temperature to rise and significantly reduce battery life.

7.5 Transportation

The (LB9M) battery module has been tested in accordance with subsection 38.3 of part III of the UN Manual of Tests and Criteria. Summary test reports are available from Ocean Signal on request.

The MOB2 Man Overboard device should be transported by air in accordance with the IATA dangerous goods regulations: class 9, UN3091, proper name "Lithium metal batteries contained in equipment" and should be packed in accordance with packing instruction 970, section II.

The MOB2 Man Overboard device can be carried as personal luggage on board aircraft under the conditions of the clause 2.3.5.9. of the IATA Regulations.

7.6 Accessories

Fitting Kit for Welded/Sewn-In Bladder	Part Number: 741S-05890
MOB2 Fittings Pack	Part Number: 741S-05980





7.7 Specifications

AIS Transmission Transmit Power (EIRP) Frequency Baud Rate Synchronisation Messages Repetition Interval	
DSC Transmission Transmit Power (EIRP) Frequency	
Battery Operating LifetimeStorage Life	>12hours at -20°C5 Years
Environmental Temperature Range (operational) Temperature Range (storage) Damp Heat (humidity) Drop (hard surface) Designed to meet Drop (water) Water immersion Thermal Shock	
Physical Weight Dimensions	

7.8 Licensing (US Only)

Under the rules of 47 C.F.R Part 95, licensing or registration of MSLD devices is not required. MSLDs are not authorised to be used on Land.

59mm over bracket





7.9 Approvals

7.9.1 European Declaration of Conformity

Ocean Signal Ltd. declares equipment type MOB2 is in compliance with Dir. 2014/53/EU. www.oceansignal.com/products/rescueME-mob2/RED-DofC

The MOB2 is compliant with regulation ECC/DEC/(22)02 regarding the use of Class M MOB devices.



The following statement is for US customers only: This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

7.10 Warranty

7.10.1 Limited Warranty

Your Ocean Signal product is warranted against manufacturing defects in materials and workmanhsip for a period of two years from the date of purchase and in accordance with the following conditions:

Ocean Signal will at its discretion, repair or replace faulty product free of charge excluding the cost of shipping. Proof of purchase from the original purchaser shall be required in order for a warranty claim to be valid. All claims shall be made in writing to Ocean Signal Ltd. or an approved service dealer or distributor.

Ocean Signal shall not be liable to the buyer under the above warranty:

- for any repairs or modifications carried out on the product using parts that are not supplied
 or approved by the manufacturer Ocean Signal, including batteries and for work carried out
 other than by Ocean Signal or approved service dealers.
- for any part, material or accessory that is not manufactured by Ocean Signal, the consumer
 will be covered by the guarantee / warranty offered to Ocean Signal by the manufacturer or
 supplier of such a component.
- · for product which has not been fully paid for.
- for any product supplied by Ocean Signal to a customer under an alternative warranty or commercial agreement.
- for the cost of shipping product to and from the customer.

The battery is only warranted until the date of expiry and provided that it is tested in accordance with the information provided within this user manual as noted by the electronic witness stored within the product.

The following specific item is excluded from this warranty:

· damage to the antenna.

This warranty does not affect your statutory rights.





7.10.2 Extended Warranty.

By entering your product details online of via the Ocean Signal app, you can add a further three years to the warranty period. Full details on extended warranty are available at www.oceansignal.com.

For further assistance please contact our Customer Service department.

Email: help@oceansignal.com

Ocean Signal Ltd. Unit 4, Ocivan Way Margate CT9 4NN United Kingdom

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