

mcmurdo



Fastfind MaxG, Fastfind MaxG(B) & Fastfind Max Personal Location Beacon User manual

Notices to Purchasers

Personal Locator Beacons (PLB) must be registered with the appropriate National Authority. **Failure to register your PLB could delay a Search and Rescue (SAR) response and maybe unlawful.**

**Your PLBs
unique
identification
information**

**Stick copy
Programming
label here**

WARNING

A PLB should only be activated in situations of grave and imminent danger to life. Misuse or false activation is unlawful and could result in a penalty

Important

PLBs are intended for use within the maritime, aviation and land environments where permitted by national administrations. When activated, the PLB sends an emergency alert to the COSPAS-SARSAT satellite system. The time taken for the alert to be processed is dependant upon the extent of satellite system coverage at that time and any overhead obstruction that could impair the signal path to the satellite. The actual time to rescue in an emergency will be dependant upon the performance of all factors within the SAR (Search and Rescue) system, and as such, is outside the control of Orolia Ltd.

Applicability of this manual


This manual is applicable to the FastFind Max and MaxG PLBs. The MaxG has an inbuilt GPS receiver. Consequently any references to GPS only apply to the MaxG model.


Safety notices

Please take time to read this manual fully as it contains important information regarding the correct use and maintenance of your PLB.


Important


The PLB (Personal Locator Beacon) is an emergency radio beacon. **Use only in situations of grave and imminent danger to life.**


 **WARNING:** False alerts endanger lives and cause expensive disruption to Search and Rescue services. Deliberate misuse of the PLB could result in a penalty.


 **WARNING:** Spring action antenna deployment. Tilt the PLB away from your face when deploying the antenna.

 **CAUTION:** Do not dismantle the PLB. It contains no user-serviceable parts.


 **CAUTION:** Contains lithium batteries. Do not incinerate, puncture, deform, short-circuit or recharge.

 **CAUTION:** Dispose of spent battery packs safely and in accordance with local waste disposal regulations. Refer to End of Life Statement.

 **CAUTION:** Avoid using chemical solvents to clean the PLB as some solvents can damage the case material.

 **NOTE:** Radio licensing, the PLB is a radio transmitter. Some administrations may require that the user holds a valid radio licence to cover its ownership and use.

Radio Frequency Exposure Warning

 **WARNING.** The PLB emits low levels of radio frequency radiation. Avoid handling the antenna once activated.

Disclaimer

The information and illustrations contained in this publication are to the best of our knowledge correct at the time of going to print. We reserve the right to change specifications, equipment, installation and maintenance instructions without notice as part of our policy of continuous product development and improvement. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, electronic or otherwise without permission in writing from Orolia Ltd. No liability can be accepted for any inaccuracies or omissions in the publication, although every care has been taken to make it as complete and accurate as possible.

Introduction

Thank you for purchasing this PLB. When carrying it, you enjoy the reassurance of a last resort safeguard against any life threatening incidents that may occur anywhere in the world. If you find yourself in a remote area without any other form of emergency communication, in the air, on land, or at sea, your PLB can call for help.

This PLB will transmit a unique emergency identifier to the COSPAS-SARSAT satellite system, which can determine your location anywhere in the world. In most cases a GPS-enabled PLB will send an emergency signal within 5 minutes of activation. A non-GPS PLB typically takes up to 45 minutes, as two satellite passes are required to 'triangulate' the position.

This PLB also has a secondary 'homing' transmitter which allows SAR teams to direction find or 'home in' on it once they arrive on scene. The product has a storage life of 5 years and once activated will continue to transmit for 48 hours.

Should you have any questions, or require advice regarding Orolia Ltd products our website 'frequently asked questions' is a good place to start. From the web site you can also leave a message for our customer service team.

Visit www.mcmurdomarine.com

For information about how the COSPAS-SARSAT system operates, visit www.cospas-sarsat.org

Preparing the PLB for use

Carefully unpack the carton and check the contents.

Carton contents list;

- PLB with attached battery and Lanyard
- Belt bag
- User manual
- User card
- Registration paper work

Confirm that the battery expiry date shown on the rear of the battery pack is in date for the duration of intended use.

Check that the outside of the PLB is undamaged and that the flip top lid cover is present. Lift the flip top lid and confirm that the anti-tamper seal is intact

Self-test the PLB following the instructions detailed in the self test section.

A self-test pass indication verifies that the PLB is ready for use.

Always carry the PLB securely, so it is close at hand in the event of an emergency. Securely attach the PLB lanyard to clothing or life vest.

Emergency Operation

1. Open yellow flip-top lid




2. Tear off red anti-tamper seal. This exposes the ON button and releases the antenna.

Take care to hold the unit away from you as the antenna springs out.



3. Press and hold the ON button for 2 seconds



4.  After 2 minutes has elapsed, the RED ON indicator light will start to slowly flash indicating that the PLB has started transmitting emergency alerts.

Switching off an active PLB

Press and hold the OFF button for a minimum of 5 seconds until the indicator lights go off.

Emergency Operation with GPS

When the PLB is first activated the inbuilt GPS receiver will attempt to acquire a fix.



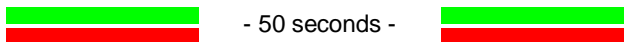
Once a GPS position fix is acquired the GREEN indicator light will start to flash once every 3.5 seconds in sequence with the red indicator light.



GPS position acquired



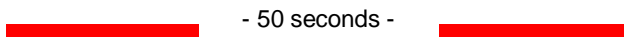
GREEN and RED indicator lights 'long flash' in sequence once every 50 seconds to indicate each 406 MHz transmission containing a valid GPS position.



Transmission with valid GPS position



After 4 hours without a valid GPS position fix the GREEN light will go out completely.



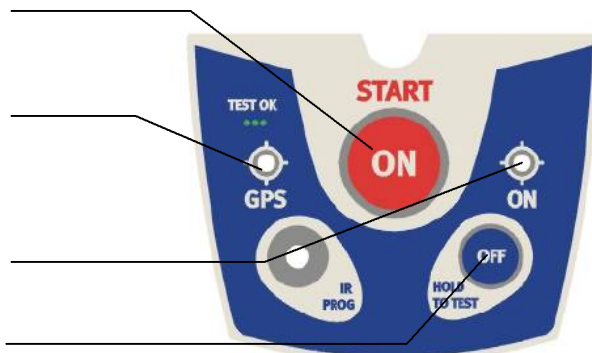
GPS position lost

Activation
button

Green light
flashes when
GPS position
is good

Red light

Self-test/OFF
button



GPS PLB controls

Even without GPS the PLB transmits approx. every 50 seconds so the low-earth orbit satellite can 'triangulate' your position.

Self-test

International regulations require that Self-testing of the PLB should only be carried out in the first five minutes of any hour. Check the PLB monthly and check the battery is in date.

Self-test verifies operation of the PLB by checking key features including battery voltage and 406 MHz and 121.5 MHz alert transmitters.

Important

Each self-test draws small amounts of energy from the battery pack. Unnecessary testing of the PLB may subsequently reduce the run time of the PLB in an emergency. On average, the PLB should only be self-tested 12 times per year, or a total of 60 times across the 5 year battery lifetime.

To operate self-test, use the **Test/OFF** button, located under the flexible handle of the red anti-tamper cover.

- i Open the flip-top lid. **Do NOT** pull off the red anti-tamper cover.
- i Slide a finger under the flexible handle of the anti-tamper cover to locate the **Test/OFF** button.



Hold down the **Test/OFF** button for 10 seconds.
(red **ON** indicator light will illuminate)



Self-test **pass** is indicated by 3 flashes of the **green** indicator light.

- i A **failed** self-test is indicated by 3 flashes of the **red ON** indicator light
- i The PLB will switch off once the self-test has finished

Self-test



- i Release the button and close the flip-top lid.

Important: While self-testing keep your fingers away from the top of the PLB as the close proximity of any objects can affect the results of the self-test.

If the self-test still fails, repeat it and if the problem persists remove the PLB from use and contact your service dealer for advice.

Handling false alerts



***PLB with
antenna
deployed***

If the PLB has been accidentally activated, or if rescue has been carried out before arrival of the rescue services, contact the rescue services, coastguard, or police by radio or telephone to advise them of the false alert.

Getting the best from the PLB

General use

Once activated, position the PLB so that the antenna is pointing straight up towards the sky so that it has the best all-around view of the sky. The position of the COSPAS-SARSAT satellites can affect when an alert signal is received. Careful positioning so that the maximum amount of sky is in view will produce the optimum performance.

Get the best from GPS PLBs

Position the PLB so that the antenna is pointing skyward and the GPS zone is clear of any obstructions.



YES



NO

Do not obstruct the area marked GPS Zone on top of the PLB

The PLB should be positioned to have the clearest possible view of the sky. Obstructions such as tree cover, deep canyons, ravines, caves, overhangs and shadowing objects can block out the view of GPS satellites and may inhibit GPS signals from reaching the PLB.

Even if the GPS PLB initially fails to acquire a valid GPS position, the first alert message will still be transmitted within 2 minutes of activation. The PLBs position will be determined as if it was a standard PLB without GPS.

Using the PLB afloat

The PLB is totally waterproof but is not designed to operate when floating on the surface of the water. It is buoyant and will not sink if dropped into water. If possible keep it out of the water when in use. Place it high up on your Personal Flotation Device (PFD), lifejacket, or chest and clear of any wave wash. Any trapped water in the Antenna Well should be removed periodically by shaking the PLB.

Aboard a liferaft

The principle is to give the PLB as clear a view of the sky as possible whilst keeping it flat. If the raft is full, it may be necessary to elevate the PLB or hold it outside the liferaft canopy. Attach the lanyard to your clothing so in the event of separation from the liferaft the PLB will stay with you.

Aboard ship

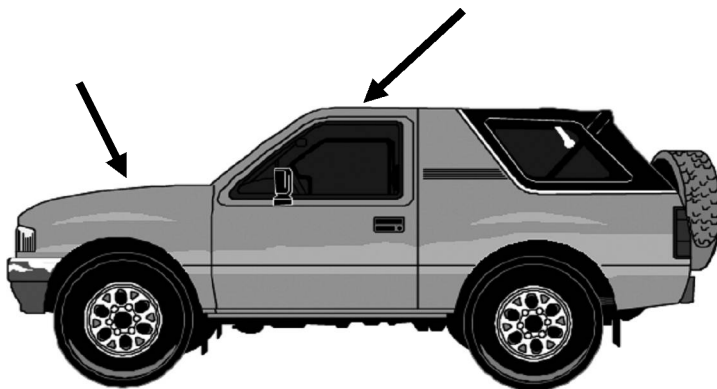
Operate the PLB on deck; position it to have the clearest possible view of the sky. Lay it flat on the deck with the antenna pointing up towards the sky.

Aviation

The PLB is not designed for activation aboard an aircraft although they are often used as an additional carry-off safety device. Take care not to place the PLB in the shadow of the aircraft. Lay it on a flat surface with the antenna pointing up towards the sky and with the maximum amount of sky possible in view.

Vehicles

Because of the shielding effect, the PLB probably will not operate effectively when inside a vehicle. It is best placed outside on the roof, hood or trunk.



On the move

If on the move, take care to keep the PLB flat with the antenna pointing skyward.

Using the PLB on land

The PLB should be placed to have the clearest possible view of the sky. Make sure the PLB does not become covered by drifting material (e.g. snow, sand). Keep it flat with the antenna pointing upwards. Do not stand over the PLB.



OK



NO



Try to move the PLB into a clearing and out of thick tree cover

It is **ESSENTIAL** that you register your PLB

Registration helps reduce the number of false alarms and hoax calls, aiding the efficiency of the Rescue Services. It is important to update your registration details if your address or 24 hour contact details change.

On receipt of a PLB alert, the SAR organization will firstly try to check that the registered owner of the PLB has not accidentally activated the beacon. To do this, they will try to confirm the approximate location by calling the 24 hour contact number filed at the time the PLB was registered. You should always ensure that your 24 hour contact details are up to date as this will aid the SAR organizations as to your possible location. For the same reason, if you ever lend your PLB to anybody you should always be aware of their intended route or destination.

Carrying your PLB

The standard belt bag provides a convenient way to carrying the PLB hands-free. Fit the bag to your belt. Invert the PLB and place in the bag with the lanyard uppermost. To prevent loss of the PLB, attach the lanyard securely to your clothing or belt.



Dive canister option, the ultimate protection for divers, tested to 150 metres.

Registration and Licensing

Each PLB has a unique 15 digit hexadecimal number printed on the programming label on the back of the PLB (visible only when the battery pack is removed). It is also pre-printed on the registration form, and a copy of the programming information label is usually placed on the first page of this product user manual.

The PLB must be registered with a relevant national authority. A part completed registration form is normally packed in with the PLB. Where required this should be completed and sent to the relevant national administration at the address detailed on the registration form. If your form does not have a registration address, contact your supplier for further advice.

Annex 1. Contains further important information regarding registration of the PLB.

Registration decal

It is usual to receive confirmation after you have correctly registered the PLB. Some administrations (USA, UK) will send you a registration decal (sticker) which must be attached to the PLB, as shown below.

Registration decal



Typical decal
being fitted

WARNING: Do not attempt to fit the decal in any other position, as this could interfere with the battery seal or with the operation of the PLB.

Radio transmitter Licence requirements

The PLB is a radio transmitter. Some administrations require that the user holds a valid radio licence to cover its ownership and use. Radio Licensing regulations vary from nation to nation. Your supplier should be able to offer advice regarding any local licensing requirements in your country of residence, or you should contact your national communications licensing authority directly.

Note for U.S. PLB owners, A Radio Licence is not required to own or operate a PLB within the confines of the USA.

Service and Maintenance

After use (not activated)

Clean the outer case with fresh water, wipe dry and examine for any damage. Store in a cool dry place.

Inadvertent antenna deployment

If the red anti-tamper seal is removed, the antenna will automatically deploy. Re-winding the antenna and fitting a new anti-tamper seal can only be done by a Orolia Ltd authorized service station. For safe transportation, wrap the antenna around the body of the PLB and fix in place with adhesive tape. Do not close or fold the flip-up lid over the top of the deployed antenna as this may damage the antenna.

NOTE: Antenna re-winding will incur a service charge.

 **CAUTION:** Never attempt to re coil the antenna

Service

Battery packs, flip cover and lanyard are user replaceable. The main body of the PLB has no user-serviceable parts. A list of Orolia Ltd dealers and Service Agents is located on the Orolia Ltd web site, www.mcmurdomarine.com/documents

Deactivation


The PLB may be completely deactivated by removing the battery pack.

Important: When the battery pack is removed the PLB is no longer fully environmentally sealed and should not be subjected to water.

Battery Pack

The battery pack is easily user replaceable. Order code 85-763-020A



 **CAUTION:** Never attempt to recharge the Battery Pack

Once the battery expiry date has been reached it must be replaced. Only fit an original McMurdo branded -20 °C Class 2 Battery Pack

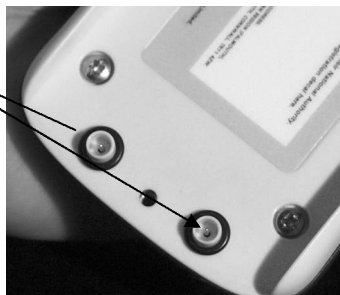
How to assemble your PLB

Fitting the battery

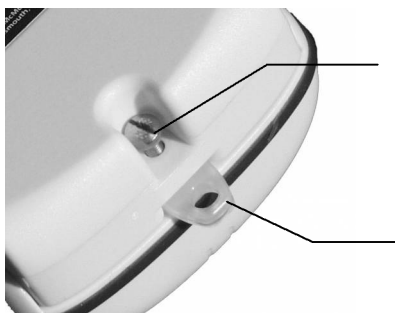
Take care when fitting the battery. It forms part of the sealing system of the PLB, so it is important to follow the instructions exactly. Each replacement battery pack has new 'O' rings which should be replaced when the battery is changed.

1. Fit the two 'O' rings to the battery connectors, as shown below.
2. Clip the battery pack into the PLB, then push the battery pack into place. Take care that the 'O' rings stay in place.

'O' rings fitted to
battery connectors



3. Fit the battery screw block (lanyard securing tag). **It is essential that the screw block is fitted, as it forms part of the PLB sealing system.**



Battery retaining screw

Battery screw block must be fitted
even if the lanyard is not required.
(lanyard removed for clarity)

4. Fit the screw to retain the battery pack and tighten until resistance is felt, then turn the screw one 360° additional turn (torque setting 25 cNm).
5. Perform a self-test. If the PLB does not pass the self-test, repeat it once. If the PLB still does not pass the self-test, contact Orolia Ltd or your dealer for further advice.

Technical Specification

Message formats: PLB National, Standard, and User Location Protocol as applicable.

Operating temperature: -20°C to +55°C,

Storage temperature: -30°C to +70°C

Battery storage: 5 years

Operating life: 48 hours (minimum)

Weight approx: 300g

Length: 146mm

Width: 78mm

Approvals: COSPAS-SARSAT, R&TTE,

406MHz transmitter

- i Output power: 5W +/- 2dB

121.5MHz transmitter

- i Output power: 50mW +/- 3dB PERP

- i Modulation: AM, up or down swept tone

Programming interface: Infra-red diode

Buoyant, waterproof to 5m, temporary immersion to 10m

Time to first transmission: 2 minutes

Usage statement

PLBs are intended for use within the maritime, aviation and land environments where permitted by national administrations.

This PLB is not an ELT or an EPIRB and does not meet the regulatory requirements for an ELT or an EPIRB.

This PLB is buoyant, but is not intended to float in an upright position.

Transportation

Passenger aircraft. This product contains small lithium metal batteries. It can normally be taken aboard passenger aircraft as a personal item in carry-on baggage. We always recommend declaring the PLB to airline staff at check-in, in the same way you would for a laptop PC or video camera.

Air cargo. This product contains small lithium metal batteries. Due to these batteries, the product may be classified as hazardous cargo. Always check with the carrier for any additional restrictions that could apply.

Declaration of Conformity

Hereby Orolia Ltd declares that this PLB is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/ED. The Declaration of conformity can be obtained from www.mcmurdomarine.com/documents

Product Warranty

Subject to the provisions set out below Orolia Ltd warrants that this product will be free of defects in materials and workmanship for a period of five years from the date of purchase.

Orolia Ltd will not be liable to the buyer under the above warranty:-

- i for any defect arising from fair wear and tear, wilful damage, negligence, abnormal working conditions, failure to follow Orolia Ltd's instructions (whether oral or in writing) including a failure to install properly and/or to use batteries recommended and/or supplied by Orolia Ltd, misuse or alterations or repair of the product by persons other than Orolia Ltd or an Approved Service Agent;
- i for parts, materials or equipment not manufactured by Orolia Ltd in respect of which the buyer shall only be entitled to the benefit of any warranty or guarantee given by the manufacturer to Orolia Ltd;
- i for the battery storage life which is specifically excluded from this warranty;
- i if the total price for the product has not been paid.

THE LIMITED WARRANTY STATED ABOVE IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Orolia Ltd will not be liable for indirect, special, incidental or consequential damages of any kind sustained from any cause. In no event shall Orolia Ltd be liable for any breach of warranty or other claim in an amount exceeding the purchase price of the PLB. This warranty does not affect any statutory rights of the consumer.

In order to be valid, claims must be made under the above warranty in writing as soon as practicable after discovery of the defect or failure and within the warranty period referred to above. Proof of purchase will be required. The claim should be sent together with the product in question to the address set out below or to an Approved Service Agent.

Following a valid warranty claim Orolia Ltd shall be entitled to repair or replace the product (or part) in question free of charge, or at Orolia Ltd's sole discretion to refund to the buyer the price of the product (or a proportional part of the price). **Orolia** Ltd shall not be liable to a buyer who is not a consumer for any other loss or damage (whether indirect, special or consequential loss of profit or otherwise) costs, expenses or other claims for compensation which arise out of or in connection with this product. In the case of a consumer Orolia Ltd shall only be liable where other loss or damage is foreseeable.

Nothing shall limit Orolia Ltd's liability for death or personal injury caused by its negligence.

This warranty is to be interpreted under English law.

All enquiries relating to this warranty or Approved Service Agents should be sent to:

Orolia Ltd, Silver Point, Airport Service Road, Portsmouth PO3 5PB, UK

Phone: +44 (0)23 9262 3900 Fax: +44 (0)23 9262 3998

Email: service.mcmurdo@orolia.com Website: www.mcmurdomarine.com

End of Life Statement

At the end of the PLBs useful life, it is vital that the battery is removed from the main body of the unit to prevent false alarms. False alarms cause expensive disruption to Search and Rescue services and may endanger lives as a consequence. It is also necessary that the PLB and its battery pack be disposed of in a manner that does not present a threat of environmental damage.

Battery Removal

To remove the battery, turn the PLB over and undo the battery retaining screw using a flat-blade screwdriver. Gently prise the battery from the main unit (the lanyard securing lug can be used for leverage). Note that this will also release the 'O' ring seals for the battery terminals, as well as the lanyard securing lug. Cover the terminals of the battery pack with sticky tape to prevent inadvertent short-circuiting.

Disposal

The Waste Electrical and Electronic Equipment (WEEE) Directive aims to minimise any adverse impact of electronic equipment on the environment, both during the product lifetime and when it becomes waste. Within the European Union this legislation is mandated by Directive 2002/96/EC, and there is similar legislation in most other continents. The directive applies to all electronic products such as IT, household appliances, portable electronics etc., and imposes requirements to collect, treat, recover and recycle each product at its end of life. Electronic end-user products must also carry a WEEE label (as below) and recovery and recycling information has to be provided to the recycler.



This PLB product contains traces of lithium in the battery pack. In addition it may contain lead and brominated flame retardants (BFRs), both in the housing material and circuit boards.

In keeping with the directive, Orolia Ltd strongly recommends that this PLB product and its battery pack be disposed of in a sensible and considerate manner. For example, do not simply discard the product in the domestic waste. Instead take it to a civil recycling facility, or contact Orolia Ltd for advice.

Annex 1. Registration information

PLBs must be registered with a relevant national authority. Some administrations allow for on line registration or require a completed registration application form to be submitted by letter or FAX.

General information related to PLB registration requirements around the World is published by the Cospas-Sarsat organisation. Some administrations now allow direct registration using the Cospas-Sarsat website online IBIRD registration database. Further information can be found on line here: www.cospas-sarsat.org

A registration form is normally packed with the PLB, if you are not registering the PLB online the form should be completed and sent to the relevant national administration at the address detailed on the form.

Additional registration information by country

Austria Point of contact: Frequency Office Federal Ministry for Transport Tel: +43 1 33181621 Fax: +43 1 33181649 Email: ernst.cerny@bmvit.gv.at Online registration: n/a	Australia Point of contact: Beacon Registration Section, AusSAR Tel: +61 2 6279 5766 or 1800 406 406 Fax: +61 2 9332 6323 or 1800 406 329 Email: ausbeacon@amsa.gov.au Online registration: www.beacons.amsa.gov.au
Owners in Australia please note the following requirement from the Australian Standards Authority. "Advice to owners of Personal Locator Beacons Registration of 406MHz satellite PLBs with the PLB Registration Section of the National Authority is mandatory because of the global alerting nature of the system. The information provided in the registration card is used only for rescue purposes. Fill in the owner registration card immediately upon completion of the sales transaction. Mail the registration card immediately. If the beacon is to enter service immediately, complete the registration card and fax the information to the national authority. The original card must still be mailed to the relevant national authority for hard-copy reference and filing. If the current owner is transferring the beacon to a new owner, the current owner is required to inform the national authority by letter, fax or telephone the name and address of the new owner. The subsequent owner of the beacon is required to provide the national authority with the information as shown in the owner registration card. This obligation transfers to all subsequent owners"	
Belgium Point of contact: IBPT Tel: +32 2 2268856 Fax: +32 2 2268802 Email: bmr@bipt.be Online registration: n/a	Canada Point of contact: Canadian PLB registry Tel: 1-877-406-7671 Fax: 1-877-406-3298 Email: CBR@sarnet.dnd.ca Online: www.canadianbeaconregistry.forces.gc.ca
Finland Point of contact: The Finnish Communications Regulatory Authority Tel: +358 9 69661 Fax: +358 9 6966410 Web: www.ficora.fi	France Point of contact: FMCC Tel: +33 5 61274636 Fax: +33 5 61274878 Email: fmcc@cnes.fr Online registration: https://registre406.cnes.fr

Greenland (Denmark) Point of contact: Greenland Telecom Administration Tel: +45 35430333 Fax: +45 35431434 Email: n/a Online registration: n/a	India Point of contact: INMCC/ISTRAC/ISRO Tel: +91 80 28371857 Fax: +91 80 28371857 Email: inmcc@istrac.org Online registration: n/a
Ireland Point of contact: Maritime Radio Affairs Unit Tel: +353 1 6782367 Fax: +353 1 6783109 Email: radiosurveyors@transport.ie Online registration: n/a	Italy Point of contact: ITMCC Tel: +39 080 5341571 Fax: +39 080 5342145 Email: itmcc247@cospas-sarsat-italy.it Online registration: www.cospas-sarsat-italy.it
Netherlands Point of contact: Radio Communications Agency Tel: +31 50 5877555 Fax: +31 50 5877400 Email: agentschaptelecom@at-ez.nl www: www.agentschap-telecom.nl Online: n/a	New Zealand Point of contact: Rescue Co-ordination Centre New Zealand Tel: +64 4 577 8033 Fax: +64 4 577 8041 Email: 406registry@maritimenz.govt.nz Online registration: n/a
Norway Point of contact: Post and Telecommunications Authority Tel: +47 2 2824600 Fax: +47 2 2824890 Email: inger-lise.walter@npt.no Online registration: n/a	Portugal Point of contact: Navigation, Transport, Marine inspector Tel: +351 21 3913529 Fax: +351 21 3979794 Email: n/a Online registration: n/a
South Africa Point of contact: SASAR, MRCC Cape Town Tel: +27 21 9383310 Fax: +27 21 9383319 Email: mrcc.ct@samsa.org.za Online registration: n/a	Sweden Point of contact: MRCC Goteborg Tel: +46 31 699080 Fax: +46 31 648010 Email: n/a Online registration: http://www.pts.se/sv/radioutrustning/nodsandare
Switzerland Point of contact: Federal Office of Communications Tel: +41 32 3275511 Fax: +41 32 3275555 Email: n/a Online registration: n/a	UK Point of contact: The EPIRB Registry, The Maritime and Coastguard Agency Tel: 01326 211569 Fax: 01326 319264 Email: epirb@mcga.gov.uk Online registration: www.mcga.gov.uk/c4mca/epirb
USA Point of contact: United States 406 MHz beacon registration database system Tel: 1-888-212-SAVE (7283) Fax: (301) 817-4565 Online registration: www.beaconregistration.noaa.gov	New Zealand Point of contact: Rescue Co-ordination Centre New Zealand Tel: +64 4 577 8033 Fax: +64 4 577 804 Email: 406registry@maritimenz.govt.nz Online registration: n/a

If the registration details for your country are not shown here, please check for latest information at www.mcmurdomarine.com/documents

Orolia Ltd

Silver Point
Airport Service Road
Portsmouth PO3 5PB
United Kingdom

Phone: +44 (0)23 9262 3900

Fax: +44 (0)23 9262 3998

Email: service.mcmurdo@orolia.com

Website: www.mcmurdomarine.com

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