GME ACCUSAT\textsuperscript{\textregistered}

406 MHz HOMER/STROBE

EPIRB
EMERGENCY INDICATING RADIO BEACON

MT403FF
AUTO RELEASE

MT403FG
AUTO RELEASE & INBUILT GPS

INSTRUCTION MANUAL
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FEATURES

- Patented Microprocessor design
- Non Hazmat battery for restriction free transport
- 6 year warranty
- 6 year battery life
- EPIRB enclosed in UV resistant, auto release housing
- Automatic deployment of EPIRB at 4 metre depth
- Quick release mounting bracket
- Zero warm up period
- Full Class 2 international accredited specification
- COSPAS-SARSAT worldwide operation
- National and International Approvals
- Buoyant and waterproof design (exceeds IP67)
- Ultra high performance solid state strobe
- Automatic water activation
- Simple test functions with A/V alert
- Digital 406 MHz 5 watt transmission plus 121.5 MHz homer.
- Rugged, lightweight, easy to mount compact design

MT403FG ADDITIONAL FEATURES

- 16 channel GPS receiver
- Top mounted Quad Helix GPS receiving antenna

WARNING

EMERGENCY BEACONS SHOULD ONLY BE USED IN SITUATIONS OF GRAVE AND IMMINENT DANGER.

It is important that you read this manual thoroughly.
The MT403FG also features an integrated 16 Channel GPS Receiver which will automatically acquire a position and relay the latitude and longitude of the beacon along with the personal identifier and emergency signal.

About the COSPAS-SARSAT system

The COSPAS-SARSAT system is a complete global search and rescue service using geostationary and polar orbiting satellites. Many countries provide ground facilities known as Local User Terminals (LUTs).

Polar orbiting satellites provide complete, although non-continuous, coverage of the earth (due to the fact that these satellites can only view a portion of the earth at any given time) and can accurately resolve an active beacon's location. Additionally, geostationary satellites can give an immediate alerting function in many regions of the world. The basic COSPAS-SARSAT concept is illustrated in the figure above.

About 406 MHz beacons

406 MHz beacons provide more accurate and reliable alert data to search and rescue agencies than the older 121.5/243 MHz systems which has been phased out. The older 121.5 MHz analogue system required that the satellite be within view of both the beacon and the LUT before it could transmit the beacon's position. This limited the coverage to an area immediately surrounding the LUT. However, the digital nature of the 406 MHz system means that the satellites are able to store the beacon's position and digital message, no matter where in the world it is received. These details are then relayed to the next LUT that comes into range, giving the 406 MHz system true global coverage.

Registration and transfer of ownership

Registration of your 406 MHz satellite EPIRB with the Registration Section of your National Authority is important and now mandatory in most countries because of the global alerting nature of the COSPAS-SARSAT system. Owner Registration Forms for registering your beacon may be supplied within the packaging, otherwise, your National Authority will be able to provide the correct forms. Up to date forms are often available online. The information provided in the registration is used only for search and rescue purposes. Promptly fill in the owner registration form upon completion of the sales transaction, then mail, fax or email it to your National Authority. If the beacon is to enter service immediately, complete the registration form and fax or email the information. 

Congratulations on purchasing your new Accusat™ MT403FF series EPIRB. The Accusat™ MT403FF and MT403FG are the most advanced 406 MHz digital satellite beacons available today. Using new digital frequency generation technology, GME have developed and approved world wide, a new family of affordable high performance 406 MHz beacons.

A CAUTIONARY NOTE: The satellite EPIRB is the most significant advance in search and rescue technology in many years. It is not a substitute for a marine radio – mariners should not be over-reliant on any single system. Wise, safe mariners plan carefully, ensure that shore contacts know their sail plan, carry a marine radio and the right range of other safety equipment and operate their craft sensibly to suit conditions at sea.

GENERAL DESCRIPTION

The Accusat™ MT403FF and MT403FG digital Emergency Position Indicating Radio Beacons (EPIRB) are designed for use when the safety of your craft and crew is endangered and you have no other means of communication. The EPIRB can save your life and the lives of others on board by leading an air/sea rescue to your precise location. In the past, extensive and lengthy searches have been carried out for missing craft, sometimes to no avail.

Your GME EPIRB is a self contained 406 MHz radio transmitter that emits an internationally-recognised distress signal on a frequency monitored by the COSPAS-SARSAT satellite system. The MT403FF and MT403FG contain a unique identity code which can be cross referenced to a database of registered 406 MHz beacons, allowing the beacon's owner or vessel to be immediately identified in the event of an emergency. Both models can be manually activated by the operator in an emergency situation and will also automatically activate out of the mounting bracket if floated in water. Additionally each includes an ultra high performance solid state strobe and 121.5 MHz VHF homing beacon to assist in leading rescuers to your precise location.
The MT403FG also features an integrated 16 Channel GPS Receiver which will automatically acquire a position and relay the latitude and longitude of the beacon along with the personal identifier and emergency signal.

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Registration of your 406 MHz satellite EPIRB with the Registration Section of your National Authority is important and now mandatory in most countries because of the global alerting nature of the COSPAS-SARSAT system.

Owner Registration Forms for registering your beacon may be supplied within the packaging, otherwise, your National Authority will be able to provide the correct forms. Up to date forms are often available online. The information provided in the registration is used only for search and rescue purposes. Promptly fill in the owner registration form upon completion of the sales transaction, then mail, fax or email it to your National Authority. If the beacon is to enter service immediately, complete the registration form and fax or email the information.
Should the beacon be transferred to a new owner, as the previous owner you are to inform your National Authority by email, fax, letter or telephone of the name and address of the new owner.

The new owner of the beacon is required to provide their National Authority with the information as shown on the registration form. This obligation transfers to all subsequent owners.

**NOTE:** Your MT403FF/FG EPIRB has been programmed with a unique identifying code which will be transmitted by the beacon in an emergency. Registering your beacon provides the authorities with immediate access to your details when the beacon is detected. This means they will know who you are, who your emergency contacts are and what type of vessel or craft you are in. In situations of accidental activation they can also immediately eliminate your beacon as an emergency situation by contacting you when activation is detected.

**Preventing accidental activation**

The signal from an EPIRB is regarded by authorities as an indication of distress and is given an appropriate response. It is the responsibility of every owner of an EPIRB to ensure that it is not activated unintentionally or in situations that do not justify its use. Most cases of accidental transmission result from poor or inappropriate storage or failure to totally disable an old model EPIRB before disposal. The need to treat EPIRBs responsibly cannot be too highly emphasized.

The MT403FF/FG will not commence transmitting until approximately 60 seconds after activation, providing a safety period of audible and visual warning. If you hear the beacon beeping while it is being carried or stowed, you may still be able to deactivate it during this time period without actually transmitting a distress signal. If in doubt, report the incident to your local authorities just in case.

To minimize the possibility of accidental activation, EPIRB owners are urged to pay careful attention to the following points:

1. Always stow the EPIRB in the mounting bracket and with the switch cover closed. The mounting bracket and switch cover are designed specifically to prevent accidental activation.
2. Avoid stowing the EPIRB where it may lie in water.
3. Do not allow children to interfere with the EPIRB.
4. Educate others on board your vessel regarding the consequences of activation.
5. When it comes time to finally discard the beacon, follow the DISPOSAL instruction.

**NOTE:** The Auto-release Housing temporarily inhibits the EPIRB water activation operation - always store the beacon within the housing. If transporting the MT403FF/FG out of it’s mounting bracket, ensure that it remains completely dry at all times. Also keep away from strong magnetic fields. eg. speakers.
The MT403FF/FG can be mounted upright against, or horizontally over, a flat panel or bulkhead. When selecting a location it is vitally important to consider the following:

- Ready access in an emergency and protection from inadvertent damage.
- In the case of an emergency auto-release, the EPIRB must be able to surface freely without becoming trapped by the sinking vessel or entangled with associated external structures. Locate the housing externally to the vessel in a clear open space; and remember that the craft may list or roll during submersion.
- Avoid mounting the EPIRB where it will be subjected to continuous direct sunlight. This could cause the beacon’s internal temperature to exceed the maximum storage temperature of +70°C. Long term stowage under these conditions could result in reduced battery life, poor performance or degradation of the plastics due to excessive U.V. light.
- It is recommended to select a location high on the vessel. This will ensure auto-release operation in the event the vessel capsizes without sinking.
- Choose a location away from strong magnetic fields, e.g. speakers.
- The specified COMPASS SAFE DISTANCE is the minimum allowable separation between the EPIRB/housing and any magnetic navigational device.

To install the Auto-release housing:
1. With the cover and EPIRB removed, hold the housing base in place and mark the positions of the four (4) location points.
2. Using fasteners appropriate for the selected surface (not supplied), securely retain the housing base.
3. Now replace the EPIRB with the side displaying “EMERGENCY ACTIVATION” facing outwards, verifying at this time that the cover can be freely removed and replaced (Refer to the ‘MANUAL RELEASE AND STOWAGE’ instructions).
4. Using a sharp implement mark (x) the Hydrostatic Release Replacement Date label on the front cover with the replacement month and year. This is to be two years from the date of installation.

In an emergency

In an emergency you should first try to use your radio to summon assistance. Distress procedures should only be used where grave and imminent danger threatens your craft and assistance is required. Notify the ‘Emergency Facility’ that you have a beacon and that you will turn it on upon their instruction.
If dire emergency threatens life and you have been unable to make radio contact or have lost radio contact, use the beacon. The distress signal transmitted by your beacon identifies you as a craft in distress and will initiate an air/sea search and rescue.

Use the Beacon as a Last Resort

Bracket release and stowage

To remove the EPIRB from the Auto-release housing:
1. Hold the outer cover while using your free hand to rotate the yellow lever anti-clockwise as shown.
2. Without releasing the lever, remove the cover completely away from the fixed part of the housing that holds the beacon.
3. Now firmly grasp the beacon and withdraw it from the housing.

**WARNING:** DO NOT remove the EPIRB from its mounting bracket if the unit is wet, it may automatically activate. Ensure the unit is thoroughly dry before removal.

To re-fit the EPIRB
1. Orientate the beacon such that the side displaying the ‘EMERGENCY ACTIVATION’ instructions faces outwards. This is necessary for the EPIRB to engage with the base of the Auto-release housing.
2. Insert the head of the beacon between the two retention arms ensuring that the base of the beacon also engages into the housing supports.
3. Now commence replacement of the outer cover firstly engaging it at the base over the metal retention tongue.
4. Apply firm pressure above the yellow lever to press the cover home. If necessary, partially and momentarily, rotate the yellow lever anti-clockwise whilst applying pressure to ensure full and proper engagement of the cover.
5. Finally, verify that the outer cover is securely retained.

Manual activation
1. Remove the beacon from the Auto-release housing.
2. Lift the switch cover (marked “LIFT”).
3. Slide the ‘ON’ slider switch fully forward in the direction of the arrows. The unit will initially self test, then after two seconds the flashing strobe and beeps will indicate the beacon is operating.
4. Close the cover to secure the switch.

**Water activation**

1. Remove the beacon from the bracket.
2. Deploy the beacon in water if sea conditions permit. The unit will initially self test, then shortly after the flashing strobe and beeps will indicate the beacon is operating.

The EPIRB has been designed to maintain continuity of operation even when the unit’s sensors leave the water for periods of several seconds at a time. Uninterrupted operation is however always best guaranteed by also manually activating the EPIRB.

**If the beacon is to be deployed but not in water the manual activation method must be used.**

**Manual deployment**

Unwind the cord and secure the EPIRB to prevent loss.

When activated, the MT403FF/FG will transmit the strongest signal to the satellites when:

- It is floating in water
- It is well clear of surrounding and overhanging objects
- The antenna is vertical

In extreme sea conditions, you should not float the EPIRB free of the vessel or the life raft if there is the possibility of loss or damage to the EPIRB.

By observing the following guidelines satisfactory operation should still be achieved when operating the EPIRB out of water.

- The EPIRB signal will not pass through metal but will pass through fiberglass, wood or fabric with some loss when wet.
- The bracket of the EPIRB can be attached to metal fittings, but the antenna must be vertical and clear of the metal.

**NOTE:** The GPS signals are severely weakened by water so the MT403FG should be operated with a clear view of the sky whenever possible.

- If the cabin is metallic (such as steel or aluminium), the EPIRB should be mounted on a clear space outside with the antenna vertical and clear of surrounding objects.

**WARNING:** Switching a beacon on and off interferes with the satellites ability to determine your location. Once activated in an emergency allow the beacon to operate without interruption until your rescue.
NOTE: Normal operation of your beacon will cease once battery capacity is depleted. Special circuitry within the MT403FF/403FG however directs any remaining capacity towards extended operation of the homing transmitter. Although the beacon may otherwise have appeared to cease functioning it is likely that a homing signal is still being emitted.

**Turning the EPIRB off**

It is important that you turn the EPIRB off as soon as possible after being rescued. If you leave the EPIRB running when it is no longer needed it may make it difficult for the satellites to detect other beacons that may be transmitting in the area.

1. Remove beacon from the water.
2. Lift the switch cover (marked ‘LIFT’).
3. Slide the yellow slider switch fully towards the ‘READY’ position.
4. Close the cover to secure the switch.
5. To cancel Water Activation dry the beacon or restow the beacon in the bracket. It may take a number of seconds for the EPIRB to de-activate.
6. Check that both the strobe light and the ‘beep’ have stopped.

**In the event of accidental activation**

If you suspect that an EPIRB has been activated inadvertently, you MUST turn it off and report it immediately to your National Authority’s Rescue Co-ordination Centre to prevent an unnecessary search.

If at sea call your local VHF coast station, or Rescue Co-ordination centre. In international waters contact a Maritime Rescue Co-ordination Centre or Coast Radio Station (CRS) by any available means.

When reporting you should include the following:
1. Your EPIRB’s 15 character Unique Identifier Number (UIN), which is marked on the unit body.
2. Date, time and duration of activation.
3. Cause of activation.
4. Location at time of activation.

Search and Rescue authorities will not penalize an EPIRB owner or operator in cases of genuine accidental activation.

**Batteries and maintenance**

The MT403FF/FG is fitted with the very latest in high capacity lithium battery technology. These batteries are able to operate within a temperature range of -20°C to +55°C.

The full operational capability of your beacon may not be available if the batteries fitted have exceeded their replacement date, as shown on the body of the unit. Prior to reaching this date, make arrangements to have your EPIRB returned for service.
NOTE: The replacement of batteries due to expiry or usage is not covered by the product’s warranty. EPIRB maintenance operations, including battery replacement, require that the beacon be returned to a manufacturer approved service facility.

To ensure reliable operation the Hydrostatic Release Unit (HRU) mechanism within the Auto-release Housing must be replaced within two years of being first placed into service. The replacement date is prominently shown on the front of the housing.

HRU replacement does not require any particular skills or training, and can be completed in situ by the owner in under 5 minutes, simply by following the instructions included within the Float Free Housing Refurbishment Kit available from your retailer.

Routinely following these few simple steps will help ensure that your beacon will be operationally ready if called upon:

1. Test the EPIRB at the recommended interval.
2. Confirm the SAFETY SEAL has not been broken.
3. Check that the batteries have not passed their replacement date.
4. Inspect the MT403FF/403FG and bracket for damage or deterioration.
5. Keep the unit clean by wiping over with a damp cloth (warm water and mild detergent are suitable), then dry.
6. Verify that the unit releases correctly from the bracket and is securely retained when returned to it.

If there is any doubt as to the products’ serviceability, immediately contact your authorised dealer or service centre for advice.

NOTE: Some installations may be covered by state, national or international carriage requirements. Such legislation may impose additional inspection and maintenance requirements beyond those listed above. Contact the relevant authority for further information.

Safety seal

The safety seal which covers the tab behind the ‘ON’ slider is designed to tear if the unit is switched on. A safety seal that is not broken serves to indicate that the beacon has never been manually activated.

NEVER remove or break the seal unless deploying the EPIRB in an emergency.

If the beacon has been activated for any length of time, the batteries can no longer be guaranteed to have the capacity to operate for the minimum 48 hour period and therefore must be replaced.

Testing the EPIRB

It is recommended that you test the MT403FF/FG at regular intervals (approximately monthly) to ensure it is fully functional. You should also test the EPIRB prior to an extended journey.

DO NOT over test – testing consumes some battery power.
**WARNING:** DO NOT remove the EPIRB from its mounting bracket if the unit is wet, it may automatically activate. Ensure the unit is thoroughly dry before removal.

You may test the EPIRB at any time using the following procedure:

1. Remove the beacon from the Auto-release housing. Keep the antenna well clear of metallic objects during testing.
2. Lift the cover marked ‘LIFT’.
3. Briefly press then release the yellow ‘TEST’ button.
4. The unit will give a double beep and flash of the strobe light to show it is functioning correctly.
5. Close the switch cover and press firmly into place until it clicks.
6. Return the beacon into the Auto-release housing.

If the EPIRB fails the testing process you should return it to your retailer or nearest GME branch office for maintenance.

**GPS satellite acquisition test (MT403FG only)**

The standard self test procedure is more than sufficient to perform a comprehensive check of your beacon without consuming too much battery capacity. On occasions, and no more regularly than on average once a year, you may wish to perform a GPS satellite acquisition check.

Whereas the routine self test verifies the GPS receiver’s circuitry, the full test will include the operation of the special GPS antenna as well.

1. This test consumes much more power than a standard self test so choose a test location with good visibility of the open sky above. A quick satellite acquisition means a short test, and less wasted power consumption.
2. Carry out a self test in the usual way but rather than releasing the ‘TEST’ button, continue to hold it in position. After the self test pass confirmation, both the strobe flash and the internal beeper will start. Count a further four flashes/beeps then immediately release the ‘TEST’ button.
3. The MT403FG will continue to flash and beep whilst it searches for available satellites. This may continue for a number of minutes depending on the number and location of satellites present. It is not possible to abort the test once started, and note that distress signals are not radiated as part of this test.
4. If no satellites are found after a predetermined time the repetitive flash and beep will stop. This may indicate a fault with the GPS receiver system within the EPIRB and you should contact your local service centre for advice.

If the test terminates with a rapid sequence of flashes and beeps, then GPS satellite acquisition and correct operation has been confirmed.
Transportation

The MT403FF/FG use batteries with a low level of lithium content. Consequently these EPIRBs are classified as ‘non-hazardous products’ by IATA and may be shipped without problem (accompanied or unaccompanied) on passenger aircraft. However, it is advisable that you check with your carrier that they do not have specific restrictions which may apply to you.

Disposal

Special precautions must be taken when finally disposing of your beacon at the end of it’s useful life. Legislation may determine the specific requirements which apply to you. In the first instance contact your National Authority for advice.

The following information may also be helpful:

- To permanently disable the beacon remove the 4 screws retaining the cover, open unit, unplug battery lead, then reseal.
- Lithium batteries are generally not considered as hazardous waste when fully discharged. Qualified personnel may be able to slowly and safely discharge the cells for you.

DO NOT short circuit the cells or battery. DO NOT incinerate.

SPECIFICATIONS – MT403FF & MT403FG

MODES OF OPERATION

Activated: UHF (406) and VHF (homer) complete with high intensity strobe and audible activation alert.

Self test: Comprehensive internal diagnostics with visual and audible operator feedback. UHF test message (inverted synchronisation compatible with portable beacon testers).

OPERATION

Compliance: GMDSS compatible and meets the latest IMO A810-19 requirements.

Activation: Manually by operator and automatic when deployed in water.

Duration: 48 hours minimum.

Transmission Delay: 121.5 and 406 MHz distress signals commence ~ 60 seconds after activation.

Warm Up: None required (due to digital frequency generation).

VHF: 121.5 MHz, 50 mW ±3 dB, swept tone AM.

UHF: 406.037 MHz, 5 W ± 2 dB, PSK (digital).

Strobe: 20 flashes/minute at greater than 0.75 cd effective intensity.

COSPAS-SARSAT Certified to Ci/S T.001 (Class 2) requirements.

UHF-Protocol/Data: Serial Number*, Radio Call Sign or MMSI (all with GPS location – MT403FG only).

Repetition Period: 50 s mean, digitally generated randomization.

BATTERY

Replacement Period: Prior to expiry date marked on case.

Replacement Method: Service centre, or factory only (non-user replaceable).

Chemistry: LiMnO₂ (0.49 g Lithium per cell)

Configuration: 5 parallel packs each of 2 series cells.
PHYSICAL

Operating: -20°C to +55°C.
Storage: -30°C to +70°C.
EPIRB Weight: 555 g.
Antenna: Flexible self straightening stainless steel design.
Compass Safe Distance: 0.7m (incl mounting bracket) from magnetic navigational device when inactive.
EPIRB Dimensions: 260 mm (H) x 102 mm (W) x 83 mm (D).
Materials: UV stabilized plastic chassis.
GPS: Internal 16 channel high performance receiver with quadriifilar helix antenna (MT403FG only).
Retention Lanyard: Buoyant type approximately 5.5 metres long.
Solid-state Strobe: SOLAS retro-reflective tape encircling unit above waterline.
Performance: IEC 61097; IEC 60945; AS/NZS 4280.1; ETSI EN 300 066.
Transport Class: Exempt from UN3091
Patent Number: GB2420058, other patents applied for.

AUTO-RELEASE HOUSING

Release: Automatically before reaching 4 metres water depth or manually by operator.
Protection: Impact resistant housing fully encloses EPIRB for environmental protection.
Mounting: On flat surface fixed at four (4) points to vessel - refer to manual for placement
Housing weight: 1.1 kg (nominal)
Housing dimensions: 385.5 (h) x 157.5 (w) x 102.5 (d) mm.
Materials: Marine grade stainless steel and long life UV polypropylene stabilised enclosure.
Routine Service: Fully user replaceable HRU at 2 year intervals as per applicable authority requirements.

*Standard factory setting, subject to national requirements. Distributor re-programmable via optical data interface.

Specifications are subject to change without notice or obligation.

NATIONAL AUTHORITY DETAILS

Australia
24 hour Emergency Contact
Phone Local: 1800 641 792
International: +61 2 6230 6811
Registration
Beacon Registration Section,
Australian Maritime Safety Authority
GPO Box 2181, Canberra ACT 2601.
Online: www.beacons.amsa.gov.au
Email: ausbeacon@amsa.gov.au
Fax Local: 1800 406 329
International: +61 2 9332 6323
Phone Local: 1800 406 406
International: +61 2 9279 5766

New Zealand
24 hour Emergency Contact
Phone Local: 0508 472 269
International: +64 4 577 8030
Registration
Rescue Co-ordination Centre New Zealand.
PO Box 30050, Lower Hutt 5040.
Online: www.beacons.org.nz
Email: 406registry@maritimenz.govt.nz
Fax: +64 4 577 8041
Phone, Local: 0800 406 111
International: +64 4 577 8033
Mobile calls can attract connection charges.
1. Consumer guarantees

1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

2. Warranty against defects

2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.

2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period (see warranty table) from the date of original sale (or another period we agree to in writing). Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.

2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited

(a) in the case of goods we supply, to any one of the following as we decide –
   (i) the replacement of the goods or the supply of equivalent goods;
   (ii) the repair of the goods;
   (iii) the cost of repairing the goods or of acquiring equivalent goods;

(b) in the case of services we supply, to any one of the following as we decide –
   (i) the supplying of the services again;
   (ii) the cost of having the services supplied again.

2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.

2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.

2.6 To make a warranty claim you must before the end of the applicable
warranty period (see warranty table), at your own cost, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.

2.7 Send your claim to: Standard Communications Pty Ltd.
Unit B, 22-24 College Street, Gladesville, NSW 2111, Australia.
Tel: (02) 9879 8888  Fax: (02) 9816 4722  Email: servadmin@gme.net.au

2.8 If we determine that your goods are defective, we will pay for the cost of returning the repaired or replaced goods to you, and reimburse you for your reasonable expenses of sending your warranty claim to us.

3. What this warranty does not cover

3.1 This warranty will not apply in relation to:
(a) goods modified or altered in any way;
(b) defects and damage caused by use with non Standard Communications products;
(c) repairs performed other than by our authorised representative;
(d) defects or damage resulting from misuse, accident, impact or neglect;
(e) goods improperly installed or used in a manner contrary to the relevant instruction manual; or
(f) goods where the serial number has been removed or made illegal.

4. Warranty period

4.1 We provide the following warranty on GME and Kingray products. No repair or replacement during the warranty period will renew or extend the warranty period past the period from original date of purchase.

<table>
<thead>
<tr>
<th>PRODUCT TYPE</th>
<th>WARRANTY PERIOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIRBs</td>
<td>6 years</td>
</tr>
</tbody>
</table>

NATIONAL DISTRIBUTOR DETAILS

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