



AUSTRALIAN ENGINEERED

MT603 GPS EPIRB SERIES

CLASS 2 406MHz



ACCUSATO™

MT603 GPS EPIRB SERIES

The GME Accusat™ MT603 GPS Series is the most advanced 406 MHz digital satellite beacon available today. GME have developed and approved internationally, a new series of affordable high performance MEOSAR ready 406 MHz beacons.

The GME Accusat™ MT603G and MT603FG Emergency Position Indicating Radio Beacon (EPIRB) is designed to be used when the safety of your craft and crew is endangered and you have no other means of communication.

Why have an EPIRB?

An EPIRB can save your life and the lives of others on board by providing rescue authorities your precise location in the event of an emergency.

GME EPIRBs are self-contained 406 MHz radio transmitters that emit an internationally recognised distress signal on the COSPAS-SARSAT satellite system.

The MT603G and MT603FG EPIRB contains a unique identity code which can be cross referenced to a database of registered 406 MHz beacons, allowing the beacon's owner and vessel to be immediately identified in the event of an emergency.*

MT603G

Category II Manual Release EPIRB



GPS Equipped

The MT603 GPS Series features an integrated 66 channel GPS receiver which automatically acquires the position and relays the latitude and longitude of the beacon along with the personal identifier and emergency signal to rescue authorities. Additionally, each unit includes an ultra-high performance solid state strobe and 121.5MHz VHF homing beacon to assist in guiding rescuers to your precise location.

Water Activation

The MT603 GPS Series will automatically activate when out of the bracket and deployed in water. The MT603FG will automatically deploy and activate when it reaches a depth of 1 metre in water. Both models can also be manually activated by the operator in an emergency situation.

MT603FG

Category I Auto Release EPIRB



* Register your beacon with the local Maritime Authorities www.cospas-sarsat.int

How do EPIRBs work?

COSPAS-SARSAT Satellite System Diagram

1. A distress beacon is activated.
2. Its signal, with its unique identification number or HEX ID, is transmitted and detected by the nearest satellite.
3. An alert is sent to the nearest Local User Terminal (LUT).
4. The alert is processed by the nearest Mission Control Centre (MCC) and forwarded to the Rescue Coordination Centre (RCC).
5. The RCC is notified and begins to arrange search and rescue operation.

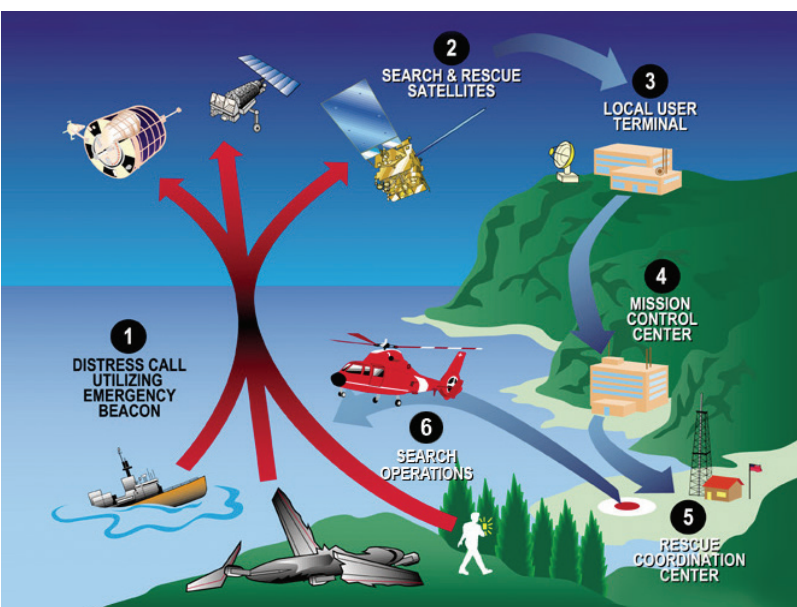
Registration details are provided to the RCC in the country in which the beacon is both activated and registered.

6. Search and rescue authorities commence search operations as soon as they can.

If your beacon is registered with the local maritime authority, Search and Rescue will ring your emergency contacts immediately for information regarding your whereabouts.

It is important to keep your contact details updated in order for search operations to commence as soon as possible.

Note: Do not turn off your distress beacon until advised by rescue services.



Source: Australian Maritime Safety Authority, Distress Beacons and MMSI information. 2016

MT603G

MT603G Features

Category II Manual Release EPIRB

Channels	66 Channel GPS Receiver Location Accuracy
Specifications	MEOSAR Ready
	Operates with MEOSAR, LEOSAR and GEOSAR Satellite Constellations
Activation	Water Activated + Manual
Operation Time	48 Hours Minimum Operation Time
Warm Up	Zero Warm Up Digital Technology
Certification	COSPAS-SARSAT Certified. Internationally Approved For Worldwide Operation (C/S T.001)
Battery Life	6 Year
Warranty	6 Year



MT603FG

MT603FG Features

Category I Auto Release EPIRB

Channels	66 Channel GPS Receiver Location Accuracy
Specifications	MEOSAR Ready
	Operates with MEOSAR, LEOSAR and GEOSAR Satellite Constellations
Activation	Water Activated + Auto Release + Manual
Operation Time	48 Hours Minimum Operation Time
Warm Up	Zero Warm Up Digital Technology
Certification	COSPAS-SARSAT Certified. Internationally Approved For Worldwide Operation (C/S T.001)
Battery Life	6 Year
Warranty	6 Year



SPECIFICATIONS

Modes Of Operation	
Activated:	UHF (406) and VHF (homer) complete with high intensity strobe and audible activation alert
General Self Test:	Comprehensive internal diagnostics with visual and audible operator feedback. UHF test message (inverted synchronisation compatible with portable beacon testers)
GPS Self Test:	GPS acquisition test with visual and audible operator feedback UHF test message containing GPS coordinates
Operation	
Activation:	Water or Manually by operator
Bracket Type:	Manual Release (MT603G) Auto Release (MT603FG)
Duration:	48 hours minimum
Transmission Delay:	121.5 and 406 MHz distress signals commence ~ 50 seconds after activation
UHF:	406.040 MHz, 5 W \pm 2 dB, PSK (digital)
Strobe:	20 flashes/ minute at greater than 0.75 CD effective intensity
COSPAS-SARSAT:	Certified to C/S T.001 (Class 2) requirements UHF-Protocol/Data: Serial number*, Radio call sign or MMSI
Repetition Period:	50s mean, digitally generated randomisation VHF: 121.5 MHz, 25 mw. Min PERP@25°C
Battery	
Replacement Period:	Prior to expiry date marked on case
Replacement Method:	Service centre, or factory only (non-user replaceable)
Chemistry:	LiSO2 (2.4 g Lithium per cell)
Configuration:	2 'D' type cells

NOTE: Batteries are not user replaceable. Replace after emergency activation or reaching the marked expiry date, the EPIRB must be returned to GME or its authorised service centre for battery replacement.

Physical	
Operating Temperature:	-20°C to +55°C Storage
Temperature:	-30°C to +70°C
Weight:	550 g (plus 98 g for bracket) - MT603G 550 g (plus 1100 g for housing) - MT603FG
Compass Safe Distance:	0.7 m from magnetic navigational device
Dimensions:	260 mm (H) x 102 mm (W) x 83 mm (D) - MT603G 390 mm (H) x 155 mm (W) x 110 mm (D) - MT603FG
Materials:	UV stabilised plastic chassis
Performance:	AS/NZS 4280.1
Other Features	
GPS:	Internal 66 channel high performance receiver with quadrifilar helix antenna
Retention Lanyard: Reflector:	Buoyant type approximately 5.5 metres long SOLAS retro-reflective tape encircling unit above waterline
Solid-state Strobe:	High reliability solid state design exceeds IMO requirements
Antenna:	Flexible self straightening stainless steel design
Bracket:	Quick release mechanism (manual) Retained by four (4) vessel fixing points - MT603G Automatic release mechanism (float-free) Retained by four (4) vessel fixing points - MT603FG

*Standard factory setting, subject to National requirements. Distributor-reprogrammable via optical data interface.

Specifications are subject to change without notice or obligation.



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