



**ACCUSATO**<sup>TM</sup>  
EMERGENCY BEACONS

# WATER-ACTIVATED AIS EPIRB

**MT606G**





**WHEREVER LIFE TAKES YOU,**







**TAKE GME.**

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AUSTRALIAN ENGINEERED

# WATER-ACTIVATED AIS EPIRB

MT606G

**The MT606G AIS EPIRB from GME is one of the most advanced digital EPIRBs available.**

Designed, engineered and manufactured in Australia, the MT606 Series of EPIRBs have obtained international Cospas-Sarsat approval. Boasting the latest advances in emergency beacon technology, the MT606 ensures the safety of your vessel and crew in emergency situations, regardless of your location.



## 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.

## GNSS Equipped

MT606 EPIRBs feature an integrated GNSS receiver, delivering greater position accuracy and faster location fix than previous models. Boasting zero warm-up digital technology, MT606 Series EPIRBs acquire and transmit accurate latitude/ longitude and personal identification information to rescue authorities as soon as possible. In combination with a high-intensity, solid state strobe light and auxiliary 121.5 MHz VHF homing transmitter, the MT606 Series is the ultimate in emergency beacon technology.



## AIS Equipped

The MT606G EPIRB is equipped with a built-in AIS transmitter. AIS is a maritime tracking system that allows vessels to automatically exchange information, such as identification, position, course, and speed, with other nearby ships, coastal authorities, and rescue coordination centres. When an MT606G EPIRB is activated in an emergency, it will not only transmit a distress signal to satellite-based rescue systems, but it will also broadcast the EPIRB's position and other identifying information over the AIS network. This helps nearby ships and rescue teams quickly locate the distressed vessel and coordinate a timely response.

The AIS capability of the MT606G EPIRB provides an added layer of safety and redundancy in emergency situations, improving the chances of a swift rescue. This feature sets the MT606G apart as an advanced, reliable EPIRB solution for maritime applications.

## Water Activation

The MT606 Series of EPIRBs are able to be activated both manually and automatically upon contact with water. The Category 2 EPIRB model (MT606G) will automatically activate when the unit is removed from the mounting bracket and is deployed in water by the user. The Category 1 EPIRB model (MT606FG) will automatically deploy from the 'Float-Free' housing via a hydrostatic release unit at a depth of 1.5 – 4 metres, with the beacon activating upon contact with water.



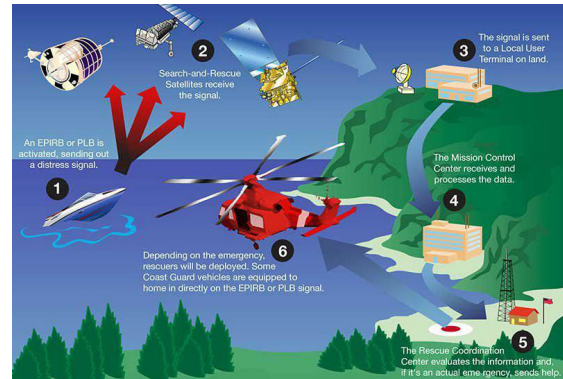


## How do AIS EPIRBs work?

### Cospas-Sarsat Satellite System Diagram

1. A distress beacon is activated.
2. 121.5MHz homing Signal begins transmission.
3. AIS Signal begins transmission to alert nearby vessels of a distress.
4. 406MHz satellite signal, with its unique identification number or HEX ID, is transmitted and detected by the nearest satellite.
5. An alert is sent to the nearest Local User Terminal (LUT).
6. The alert is processed by the nearest Mission Control Centre (MCC) and forwarded to the Rescue Coordination Centre (RCC).
7. 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.
8. 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.



# MT606G

The Accusat™ **MT606G** 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. 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.

The MT606G includes Automatic Identification System (AIS) emergency broadcasting. Upon activation, a distress signal is broadcast to nearby AIS equipped vessels. A nearby vessel can potentially render assistance faster than traditional search and rescue assets, leading to better outcomes for survivors.

MT606G	
Type	Category II EPIRB
	Manual Release - Water Activation
Communications	406MHz COSPAS-SARSAT CLASS 2 121.5MHz Homing Signal AIS Distress Signal
Transmission Type	406MHz distress signals commences ~50 seconds after activation; 121.5MHz starts ~15 mins. after activation. AIS Distress Signal Commences - 90 Seconds after activation.
GNSS Type	GPS/Galileo
Minimum Operating Time	48 Hours
Battery Capacity	10 Years
Temperature	Storage: -30°C to +70°C Operating: -20°C to +55°C
Ingress Protection	IP67





# MT606FG

The Accusat™ **MT606FG** is a float-free Emergency Position Indicating Radio Beacon (EPIRB) specifically designed to activate when a vessel is submerged to a depth of 1–4 meters. Equipped with a hydrostatic release unit, the beacon is automatically ejected and activated upon contact with water. The beacon then floats to the surface, transmitting a distress signal that indicates your position to Search and Rescue Authorities.

The MT606FG includes Automatic Identification System (AIS) emergency broadcasting. Upon activation, a distress signal is broadcast to nearby AIS equipped vessels. A nearby vessel can potentially render assistance faster than traditional search and rescue assets, leading to better outcomes for survivors.

MT606FG	
Type	Category I EPIRB
	Float-free - Hydrostatic Release
Communications	406MHz COSPAS-SARSAT CLASS 2 121.5MHz Homing Signal AIS Distress Signal
Transmission Type	406MHz distress signals commences ~50 seconds after activation; 121.5MHz starts ~15 mins. after activation. AIS Distress Signal Commences - 90 Seconds after activation.
GNSS Type	GPS/Galileo
Minimum Operating Time	48 Hours
Battery Capacity	10 Years
Temperature	Storage: -30°C to +70°C Operating: -20°C to +55°C
Ingress Protection	IP67





## SPECIFICATIONS

### MODES OF OPERATION

<b>Activated:</b>	UHF (406) and VHF (homer) complete with high intensity strobe and audible activation alert
<b>General Self Test:</b>	Comprehensive internal diagnostics with visual and audible operator feedback. UHF test message (inverted synchronisation compatible with portable beacon testers)
<b>GPS Self Test:</b>	GPS acquisition test with visual and audible operator feedback UHF test message containing GPS coordinates

### OPERATION

<b>Activation:</b>	Water or Manually by operator
<b>Bracket Type:</b>	Manual Release (MT606G) Auto Release (MT606FG)
<b>Duration:</b>	48 hours minimum
<b>Transmission Delay:</b>	121.5 and 406 MHz distress signals commence ~ 50 seconds after activation
<b>UHF:</b>	406.040 MHz, 5 W $\pm$ 2 dB, PSK (digital)
<b>Strobe:</b>	20 flashes/ minute at greater than 0.75 CD effective intensity
<b>Cospas-Sarsat:</b>	Certified to C/S T.001 (Class 2) requirements UHF-Protocol/Data: Serial number <sup>*</sup> , Radio call sign or MMSI
<b>Repetition Period:</b>	50s mean, digitally generated randomisation VHF: 121.5 MHz, 25 mw. Min PERP@25°C



BATTERY	
<b>Replacement Period:</b>	Prior to expiry date marked on case
<b>Replacement Method:</b>	Service centre, or factory only (non-user replaceable)
<b>Chemistry:</b>	Li/FeS2 (Less than 1g of Lithium per cell)
<b>Configuration:</b>	4 batteries each consists of 2 'AA' cells in series
PHYSICAL	
<b>Operating Temperature:</b>	-20°C to +55°C
<b>Storage Temperature:</b>	-30°C to +70°C
<b>Weight:</b>	MT606G (570g) MT606G Manual Release Bracket (125g) Float-Free Housing (1265g)
<b>Compass Safe Distance:</b>	0.8m from magnetic navigational device
<b>Dimensions:</b>	260 mm (H) x 102 mm (W) x 83 mm (D) - MT606G 390 mm (H) x 155 mm (W) x 110 mm (D) - MT606FG
<b>Materials:</b>	UV stabilised plastic chassis
<b>Performance:</b>	AS/NZS 4280.1

OTHER FEATURES	
<b>GNSS:</b>	Integrated GNSS Receiver
<b>Retention Lanyard:</b>	Buoyant type approximately 5.5 metres long
<b>Reflector:</b>	SOLAS retro-reflective tape encircling unit above waterline
<b>Solid-state Strobe:</b>	High reliability solid state design exceeds IMO requirements
<b>Antenna:</b>	Flexible self-straightening stainless steel design
<b>Bracket:</b>	Quick release mechanism (manual) Retained by four (4) vessel fixing points - MT606G Automatic release mechanism (float-free) Retained by four (4) vessel fixing points - MT606FG

\*Standard factory setting, subject to National requirements.  
Distributor-reprogrammable via optical data interface.  
Specifications are subject to change without notice or obligation.

**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.



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