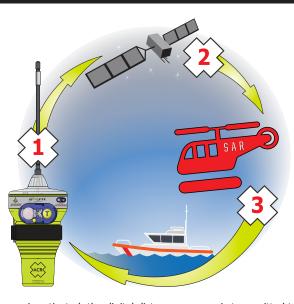
HOW AN EPIRB WORKS - COSPAS/SARSAT



When a 406 MHz beacon is activated, the digital distress message is transmitted to Cospas-Sarsat satellites, which in turn, relay this message to reach the SAR Authorities. The distress message contains important information about the beacon and its owner. Additional information about the beacon is accessed by SAR from the beacon registration database. At the same time the 406 MHz signal is activated, a 121.5 MHz signal is turned on. The 121.5 MHz signal is used by SAR to home in on the beacon, as they approach it.

Visit Cospas-Sarsat's website for more information about the system at www.cospas-sarsat.int

Registration is Mandatory
This EPIRB must be promptly registered with the appropriate National Authority.

REGISTERING YOUR BEA

All 406 MHz beacons transmit a Unique Identifier into the beacon based on the country in which the determine which country's database will have you information as to who you are as the owner of the your home-port, and who to contact that might ke has been properly registered. Valuable Search and false alarms, and registering your beacon helps to

Registration is Mandatory

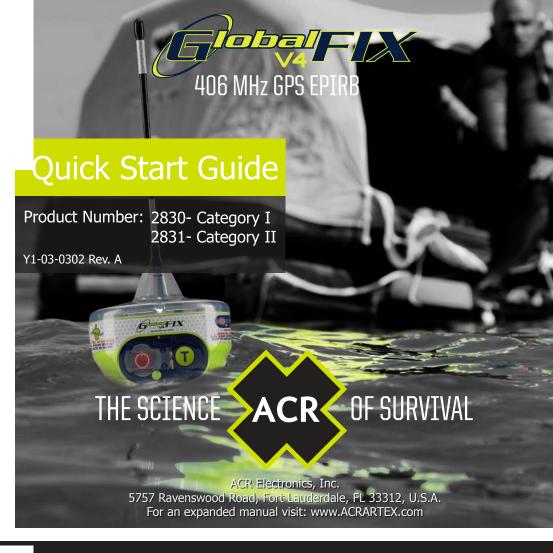
This EPIRB must be promptly registered with the appropriate National Authority.

To Register:

Download EPIRB Registration Form or Complete Registration Online by going to: www.ACRARTEX.com/Support/Registrations

- 1. Select Your Country
- 2. Follow the online link to complete your registration online (Preferred Method) or Download the registration form and Mail or Fax to your national authority.

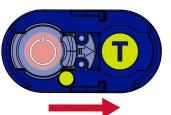




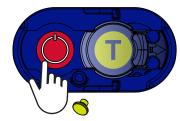
ACTIVATION - EMERGENCY USE ONLY

Category I beacons are designed to be automatically deployed and activated in the event of a vessel sinking. The beacon may also be manually taken out of the category I bracket and activated manually or immersed in water to activate automatically. Category II beacons are designed to be manually deployed from the category II bracket and then activated manually or placed in the water to activate automatically. Category I and II beacons can also be manually activated while still in their brackets. Manual activation occurs by doing the following:





1. MANUAL ACTIVATION SLIDE CLEAR COVER FROM LEFT TO RIGHT TO BREAK WITNESS SEAL



2. PRESS "ON" BUTTON FOR 2 SECONDS TO ACTIVATE (TO DEACTIVATE, PRESS AND HOLD "ON" BUTTON FOR 3 SECONDS)

Activation LED and Strobe Sequence

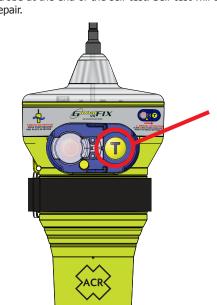
ON - Transmitting 406 MHz WITH GPS



BEACON SELF-TEST

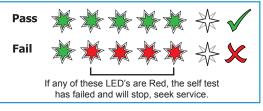
The beacon may be self-tested as is warranted, o times in the ten (10) year life of the battery. ACR basis. The self-test can be done inside or outside

A self-test is initiated by pressing the self-test but then releasing the button. You will then see three successful individual tests performed as part of th beep indicating a successful test. If any of the ind flash and beep associated with each failed test an strobe at the end of the self-test. Self-test will dis repair.





Self-Test LED and Strobe Sequence



EXTENDED GPS TEST

do the extended GPS test, the beacon must be outside with a clear view to the sky. The test is initiated pressing the self-test button for 6 seconds. There will be an initial brief green LED flash, followed shortly three (3) short green LED flashes and three (3) beeps to indicate that the extended GPS test has started; e Self-test button should then be released. During the extended GPS test, the red LED will blink to indicate at the beacon is searching for a good GPS fix. Upon completion of the test, a long green LED and beep will dicate that the extended GPS test was successful. If the beacon is unsuccessful after two (2) minutes in quiring a good GPS fix, there will be a long red LED flash and four (4) beeps.

ne beacon may be tested for GPS functionality once every six weeks, up to a maximum of 84 times during e life of the battery. When trying to initiate a GPS test after the maximum number of GPS tests has been ached, there will be a brief green LED flash followed shortly by three brief red LED flashes and three beeps dicating that it is no longer possible to run the GPS test.

Extended GPS Test LED Sequence





WARNING: This transmitter is authorized for use only during situations of grave and imminent danger. Deliberate misuse may incur a severe penalty.

BATTERY REPLACEMENT

GlobalFIX V4 PRODUCT SPECIFICATIONS

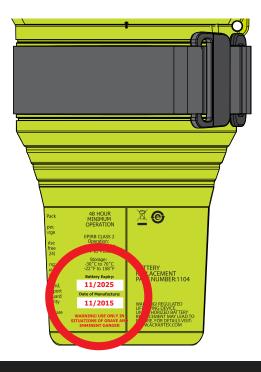
Routine Beacon Maintenance:

Every 90 days perform a visual inspection of the mounting bracket and beacon for deterioration and/or residue build-up including:

- Check antenna for tightness
- Clean the beacon and mounting bracket with a damp cloth
- Check EPIRB case and bracket for any damage
- Review battery expiration date



This EPIRB is fitted with a user replaceable battery. The battery for this EPIRB can be procured at any ACR dealer. Battery replacement is due after activation or by expiry date on the beacon, whichever comes first.



GENERAL/ ENVIRONMENTAL 8.13 H X 4.28 W in. (20.65 X 10.87 cm) Beacon size (without antenna) 27 oz. (764 g) Beacon weight High impact UV resistant polymer Beacon materia ACR-Treuse™ (high visibility yellow Color Waterproo Tested to 5 min @10 m (33 ft) Buoyant Activation Category I & II- Water or Manual Activation Deployment Cat. I- Hydrostatic release (auto or manual) / Cat. II- Manual Release **BATTERY** Operational life 48 hours minimum @-4°F (-20°C)(Class 2) Battery type and replacement 10 years from date of manufacture, or after use in an emergency. Not to exceed battery expiry. -4° F to 131° F (-20° C to +55° C) (Class 2) Operating temperatures Storage temperatures -22° F to 158° F (-30° C to +70° C) (Class 2) 406 MHz TRANSMITTER requency 406.040 MHz 5 W +/- 2dB Power output Digital message forma Standard location protocol (for the USA). If the vessel is registered to a country other than the USA, the beacon must be re-programmed at an Authorized Battery Replacement center to that countries' coding requirements Modulation Type Phase (16K0G1D) 121.5 MHz TRA Frequency 121.5 MHz 50 mW +/- 3 dE Power output Light color White 1 cd (effective candela Flash rate Approvals COSPAS-SARSAT MED EC Type Examination (Module B) Meets: GMDSS, RTCM, IEC and IMO standards

NOTE: For complete information regarding beacon type approvals, please visit ACR's website at

CATEGORY I BRACKET (For P/N 2830)

Category I Mounting Bracket- ACR P/N 2832 Category I HydroFix™ universal hydrostatic release (HRU) kit- ACR P/N 9490.1







To mount the EPIRB in the category I bracket, insert the top cap first at a slight angle and then press the bottom casing until the EPIRB clicks and is firmly supported. The EPIRB can only be mounted inside the bracket with the ON/Test buttons facing out.

CATEGORY II BRACKET (For P/N 2831)



To mount the EPIRB in the category II bracket, insert the top cap first at a slight angle and then press the bottom casing until the EPIRB clicks and is firmly supported. The EPIRB can only be mounted inside the bracket with the ON/Test buttons facing out.

EPIRB Frequently Asked Questions

How do I register?

Your beacon must be programmed and registered to the Country's Authority to which the vessel is registered/ flagged. To find your country's national authority visit www.acrartex.com/support/registrations. For registration in the United States, the fastest and easiest way to register is online at www.beaconregistration.noaa.gov/.

Why do I register?

As owner of this beacon, it is mandatory that you register it with the EPIRB National Authority of your country. In the event of activation, as long as your beacon has been properly registered, search and rescue teams will know who you are, and contacts provided may be able to supply information about your specific travel plans. In the absence of this information, it may take longer for a search and rescue operation to begin.

How accurate is my beacon?

The GPS coordinates that are transmitted by your beacon enable search and rescue authorities to locate the beacon's position to an accuracy of 110 yards (100 m).

When should I activate my EPIRB?

Activate during situations of grave and imminent danger when all other means of self-rescue have been

What do I do if I have a false alarm?

Any false alarm must be reported to the nearest search and rescue authorities. Report to them the EPIRB 15-digit Unique Identifier Number (UIN) printed on the beacon, time & date, and the location, duration and cause of activation. The primary contact point in the United States for the notification of False Alerts is the U.S. Coast Guard (USCG) and the telephone number is 1-855-406-8724.

Where should and shouldn't I mount my beacon?

The manual release (category 2) bracket must be mounted in a protected location that is easily accessible should it be necessary to abandon ship. The bracket should be mounted on a vertical surface with the antenna pointed towards the sky. Do not mount the beacon near a compass (minimum distance 1.4 meters). The automatic release (category 1) bracket must be mounted free from obstruction, to allow the beacon to automatically float free from the vessel in case of sinking. The bracket should be mounted on a vertical surface with the antenna pointing skyward or a horizontal surface with the beacon face up.

For a complete list of Frequently Asked Questions visit: www.ACRARTEX.com/support/FAQs