

Activating Your Beacon

Overview

Personal Locator Beacons are designed to be manually activated. They are only to be activated when all other means of self-rescue have been exhausted. When properly registered as required, the activation of the beacon tells Search and Rescue who you are, where you are, and that you are facing a life-threatening situation. Note: Beacon should be activated in open space with clear view of the sky (eg. Not under any sort of cover or canopy)

How to Activate Your Beacon

To activate your beacon in a distress situation, follow these steps:

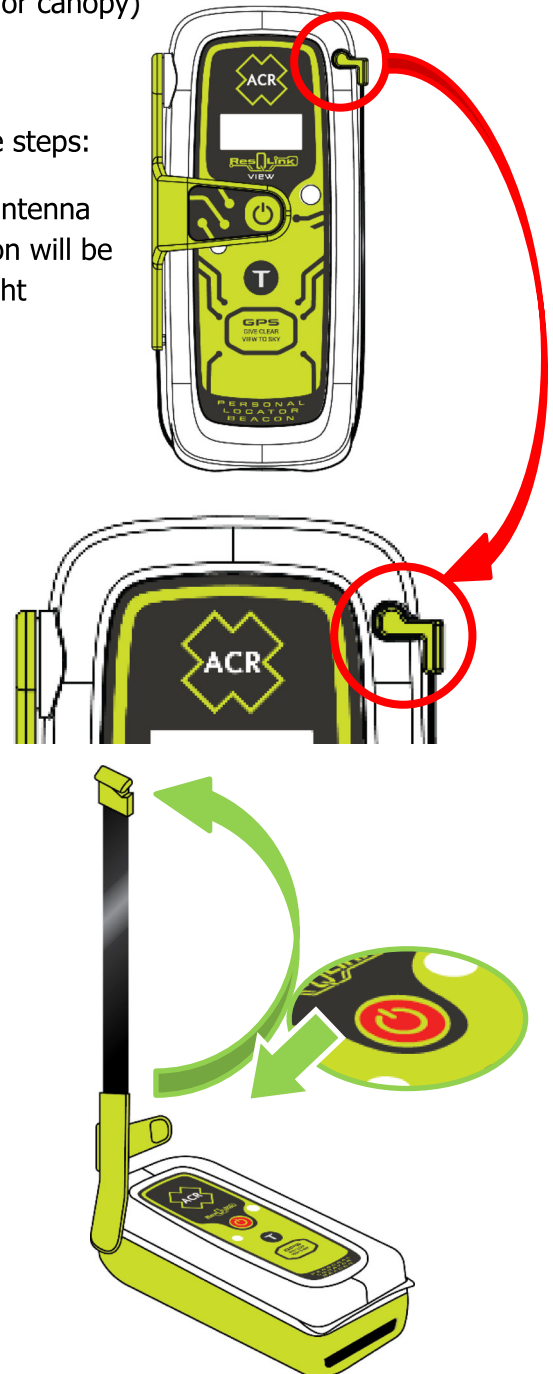
1. Unclip the antenna latch from the case and rotate antenna 90 degrees into the upright position. (ON/OFF button will be exposed on face of beacon once antenna is in upright position)
2. Depress the ON/OFF button for 2 seconds.

When activated:

The strobe light will flash twice and the **red** LED will flash once to let you know the beacon has been activated. The strobe light and Infrared (IR) strobe light will both then continue to flash once approximately every 10 seconds for the entire time the beacon is activated (Note: The IR strobe is not visible to the naked eye). The **red** LED will flash approximately once every 5 seconds prior to the beacon acquiring your GPS coordinates.

Once the beacon acquires your GPS coordinates, the flashing **red** light will be replaced by a flashing **green** light which will flash approximately once every 5 seconds.

When the **red** light is replaced by the **green** light, this indicates that your beacon has successfully acquired your GPS coordinates and is transmitting them along with your 406 MHz distress signal.



Activating Your Beacon (continued)

Activation with GPS

When your unit is activated, the GPS receiver will turn on, search to find your Latitude (LAT) / Longitude (LON), and incorporate it into your 406 MHz signal.

For the first 6 hours after beacon activation, the internal GPS will start up every 30 minutes, search to find your LAT/LON, and incorporate it into your next 406 MHz signal. If for any reason the internal GPS cannot update your LAT/LON, your last position will be used for the next four hours - at that time, the **green** LED will stop blinking and the **red** LED will flash once every 5 seconds until new GPS data is obtained. Between 6 hours and the end of operating life (minimum of 24 hours), a GPS location update is attempted every 60 minutes.

**GPS
GIVE CLEAR
VIEW TO SKY**

GPS receiver orientation

When activated, it is critical that you do not cover the beacon with any body part, water, clothing, etc. The GPS receiver is located under the bottom portion of the case where it is outlined with the text "GPS, Give Clear View to Sky".

To ensure optimum performance of the GPS receiver, the beacon needs to have an unobstructed view of the sky. PLB will not work submerged in water. Water will shield and inhibit the GPS receiver and may cause difficulties obtaining your GPS coordinates. Avoid leaning over the beacon to view blinking LEDs (or blinking LEDs and/or the screen on the PLB-425 model) as you may shield GPS reception.

Red Flashing Light =
Sending 406 MHz signal
without GPS coordinates



Green Flashing Light =
Sending 406 MHz signal with
GPS coordinates



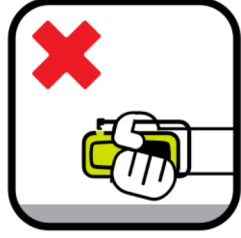
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Proper Positioning and Handling during Activation

Do not cover the GPS receiver with your hand and make sure you have a clear view of the sky to ensure GPS is acquired.

Above Ground. Above ground held in hand is also acceptable

On Ground



Intended Operational Environments:

Make sure the antenna is pointing towards the sky, out of the water. PLB will not work submerged in water. While the unit is waterproof, it must be above the water's surface to function properly.

Intended operational environments include on ground, above ground, and held in hand. In all cases, the beacon must be facing skyward with the antenna perpendicular.