



# The World's First Smart Watch for EMERGENCY

The World's First Watch With Built-in dual frequency Personal Locator (PLB) & (BLE) Beacons & GPS

GO  
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## About this project

### What is PLB

Personal locator beacons are fast working devices that are designed to send a personalized emergency situation signal.



### How PLB works

A Cospas-Sarsat 406-MHz beacon, also called an emergency beacon, is a radio transmitter that can be activated in a life-threatening emergency to call for help from government authorities.



The International Cospas-Sarsat Program, an intergovernmental cooperative of 43 countries and agencies, maintains a network of satellites and ground facilities to receive distress signals from 406-MHz beacons and route the alerts to the proper authorities in more than 200 countries and territories. 406 MHz is the radio-frequency band in which the beacons transmit and is the band monitored around the Earth by Cospas-Sarsat.



After receiving your transmission, these satellites find your location relay your information to the AFRCC, where search-and-rescue procedures begin. If you use a PLB Watch, you can deliver your GPS coordinates very quickly without having to wait for the satellites to determine your position.

PLB Watch owners must register their device with NOAA. When you do so, NOAA will link your essential personal information to a 15-character code known as a Unique Identifying Number (UIN). When activated, the PLB transmits your UIN to the COSPAS-SARSAT satellites via electronic bursts.

While the electronic bursts provide search-and-rescue units with your location, the UIN tells them personal information such as your name, address, phone number and any medical conditions you may have.



### Two Types of PLB Signals

When activated, a PLB sends 2 signals: 406 MHz (which carries the UIN and GPS data to the satellites) and 121.5 MHz, a homing frequency.

The 406 MHz signal will guide rescuers to an area less than 100 meters from your position. At the same time, they will employ a tracking device to home in on the 121.5 MHz frequency put out by the PLB. When using a PLB Watch in the continental U.S, it takes only 5 minutes to alert search-and- rescue personnel of your position.

### Meet PLB Watch

The world's first smart watch with a built-in dual frequency Personal Locator Beacon (PLB) and Bluetooth low energy (BLE) beacons. The Emergency serves both to issue alerts and to guide search-and-rescue missions.



PLB Watch does NOT transmit until it is activated in an emergency (or when certain testing features are activated by the user). The watch is designed to be manually activated by a person pressing button 3 times to start the emergency-and-rescue

Steps

- It starts sending an SOS SMS to an Emergency number such as 911 or any number of your choice with your GPS Coordinates
- If the watch dose not find cell phone signals, then start the transmit signals at 406 MHz and 121.5 MHz with your GPS Coordinates and your Unique Identifying Number (UIN)

**PLB Watch With PLB and BLE  
Dual frequency Personal Locator  
406 MHz and 121.5 MHz**



### Risks & Challenges

We're a serious start-up with a growing full-time team. seed-funding. a production

Let us know if you think this campaign contains prohibited content.

PERKS

\$10 USD

#### Thank You

THANK YOU for your support in helping bring PLB Watch to life! Receive a massive thank you from our team and updates on all of our developments and milestones from here on out.

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#### Early Early Bird Limited 250

Choose any Color Black, Red or Pink Limited Edition PLB Watch with number of 1-250 and save \$100 off estimated retail value. (will retail for \$179) Help us bring PLB Watch to life!

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ESTIMATED DECEMBER 2016

\$99 USD

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