

# The Anatomy of Activation



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# Three exact steps bridge the gap between isolation and rescue.



**1. Activate:** The physical sequence initiation at the wrist.



**2. Inflate:** Rapid helium deployment into the mylar housing.



**3. Signal:** Aerial altitude achievement and continuous SOS broadcast.



# Precision engineering concealed within a water-resistant housing.

The wrist module integrates the control board, a tightly spooled high-tensile tether, and the folded LED emitter array into a single, instantly accessible unit.





## **A single, deliberate action initiates the sequence.**

Depressing the SOS button immediately bridges the control module to the helium inlet, demanding zero complex assembly from a user under extreme duress.





## **Dual helium cartridges execute rapid aerial inflation.**

Upon activation, pressurized helium bypasses the sealing clip, instantly transforming the compact mylar shell into a fully buoyant, structurally rigid distress balloon within seconds.





# Reflective Mylar construction withstands the harshest environmental extremes.

The balloon housing is impervious to water and engineered to maintain absolute gas integrity, ensuring the beacon survives heavy rain, hurricane winds, or extreme cold.



# The high-tensile line serves as an unbreakable lifeline.

The integrated spool releases up to 500 feet of lightweight, high-strength tether. This single line secures the airborne beacon directly to the survivor's wrist, maintaining physical connection while granting crucial altitude.



## Vertical clearance bypasses severe terrain and foliage obstructions.

By ascending beyond the immediate canopy or canyon walls, the system eliminates the line-of-sight limitations that render ground-level signaling completely ineffective.



# Sustained elevation heavily outmatches traditional pyrotechnic flares.

While flares burn out at ground level, the tethered balloon commands up to 500 feet of highly visible airspace, remaining locked at peak altitude.



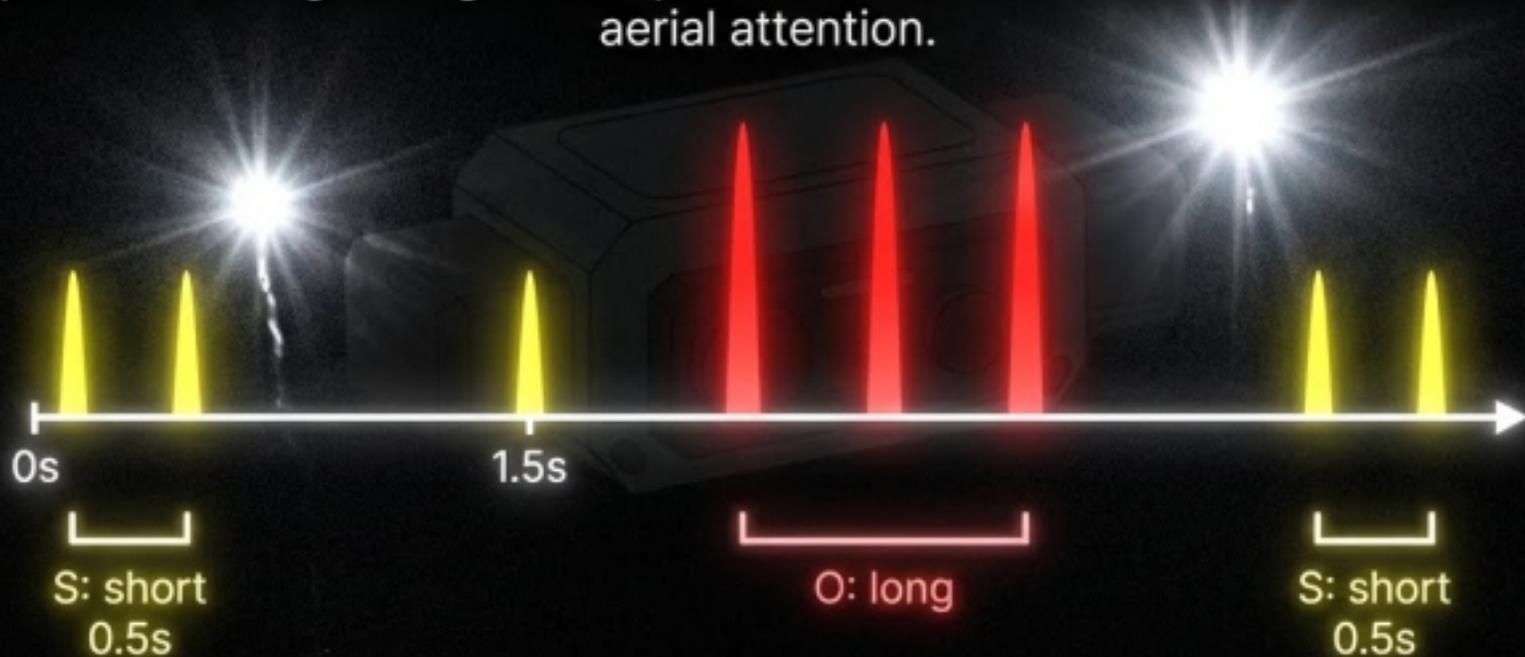
LED BEACON  
500ft

FLARE



# The multi-LED emitter array broadcasts an unmistakable international distress rhythm.

The integrated flasher unit cycles a continuous Short-Long-Short SOS pattern, cutting through atmospheric interference to demand immediate aerial attention.



# Switchable **LED colors** maximize environmental contrast.

**Red** signals maximum urgency.

**Yellow** provides a universally  
recognized rescue marker.

**Blue** cuts through the visual noise  
of maritime environments  
and heavy snow glare.



# Continuous broadcasting vastly outlasts momentary pyrotechnics.



Where traditional flares expire in minutes and offer highly limited visibility, the LED Balloon Beacon maintains continuous illumination for extended durations, boasting a 10+ mile visibility range.





## **ABSOLUTE VISIBILITY ENSURES AERIAL RESCUE TEAMS PINPOINT EXACT COORDINATES.**

The sequence is complete. From a single button press on the wrist, a static location is transformed into a towering, undeniable beacon in the dark.

