Spot Satellite Messenger

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Why use Spot

- Safety in case of landout or crash
- Convenience in case of landout
- Simplifies crewing
- Peace of mind for pilot, crew and family
- Entertainment flying vicariously
- FBO/clubs can track their pilots
- Low cost (\$150/\$150 per year)

Misconceptions

- I don't need spot I never crash and if I crash it is my problem
 - No, if your crash it is also our problem your friends, family and SAR
- I have PLB/ELT so don't need spot
 - What if it is not activated or you cant press the button?
- If I cant press the button it doesn't matter
 - It matters. See first bullet. Also as long as you are not found it will delay insurance payments to your family...

Alternatives to Spot?

- Cellular devices Barely working above 4000 feet and in the deserts
- ELT 120Mhz no longer monitored
- ELT 406MHZ Expensive, not always activated
- PLB requires manual activation
- Delorme InReach Best alternative

Spot features

- Satellites based so always works everywhere
- Multi function:
 - Tracking mode automatically transmits every 10 min
 - SOS button in case of true emergency will alert
 SAR
 - Help button useful to signal a landout
 - OK button useful to signal you landed OK
 - Custom (newer generations) custom message

Example of use

- Tracking mode for followers on the ground
- Tracking mode in case of crash may be very helpful to locate the crash site
- SOS button in case of crash to call for help
- Help button to call for retrieve
- OK button to let wife know you landed
- Custom button to alert crew on change in plans
- Using combination of OK/custom/help to communicate alternate messages to crew

How to use spot

- Create OK/Help/custom message online
- Designate phone numbers and email addresses to receive the messages
- Recipients receive message + google link
- Share your spot url with your family, club and SSA
- Don't forget to turn it on in tracking mode!

Spot products

- Spot 1
- Spot 2
 - Smaller
 - much better UI (separate buttons)
 - New custom message
 - Less dropped transmissions
 - Shorter battery life
- Spot 3
 - Smaller
 - Optional Shorter intervals . Additional \$50 for 5 min, additional \$150 per year for 2.5 min
 - Motion activate tracking for continuous tracking while conserving battery
 - Same price
- Spot Connect not recommended for soaring (requires mobile phone to operate)

Tracking tools

- Online on spot web site (poor UI)
- Mobile apps (Spot shared pages)
- Multi spot page (Hawk Tracking)
- SSA tracking page

SSA Tracking site

- http://ssa.org/sailplanetracker/default.asp
- Works very well on desktop and mobile.
- Impressive UI using Google map. Far superior to any other tracking web site including Spot.
- Can track all gliders flying from any given airport
- Full trace from takeoff, not just current location
- Estimated speed and distance
- satellite layer and waypoints layer
- Can replay the day or any prior day by dragging the time line
- Archive of prior flights including satellite
- Need to add your spot/InReach URL to your SSA profile as public or register at http://glideport.aero/

Alternative to Spot – Delorme Inreach

Pros

- Much better UI, both on device and online
- Altitude information
- down to 1 min interval (based on subscription plan)
- 2 ways text messaging using smart phone or UI.
- More reliable and real time
- Fully supported by SSA tracking and Hawk Tracking.

Cons

- Device cost \$300 (twice than spot)
- Subscription plans cost roughly twice then Spot 2 (\$300 \$750 depends on interval and how often you fly) more comparative to Spot 3
- Conclusion: At least twice the cost of spot 2 but much more functionality, namely much shorter intervals, altitude information and two way text messaging.
 - If you need basic security Spot 2/3 is best
 - If you want to provide more timely and useful info to crew, family and friends
 go with InReach