

Trackplot

SPOT
SATELLITE GPS MESSENGER

MAPPING MOBILE ASSETS

SPOT increases your confidence in your personal safety and reassures employers, family and friends.

The SPOT is compact and durable ensuring it is practical for outdoor activities, and indispensable where the user may be far away from help should they need immediate attention or find themselves in danger. SPOT allows the user to alert people to your location - either just to 'check-in' with work, friends or family, or, to summon the emergency services in case of an accident.



PERSONNEL TRACKING



SATELLITE TRANSMISSION
OF MESSAGES



PANIC BUTTON



LIVE TO TELL ABOUT IT

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SPOT Satellite GPS Messenger

MODEL	Spot (matte orange or grey)																		
CHARACTERISTICS Dimensions (L x W x H) Weight	94 x 26 x 10 mm (3.7"x 2.6"x 1.0") 147.4g (5.2 oz)																		
BUTTONS	SOS, Assist, Check-in/OK, Custom Message, Track progress SOS has button covered to prevent accidental activation of SOS Assist & Check-in can be used to communicate with colleagues or friends via email or SMS																		
LED INDICATORS	GPS status, SOS, Message sent, GPS tracking, On/Off																		
GPS	7m position accuracy on the WGS84 Datum Position is converted to UK Ordnance Survey coordinates in the trackplot server to enable it to be displayed against OS 1:50,000 mapping During tracking will send a position every 10min to the trackplot server																		
COMMUNICATIONS	Uses the LEO satellites to relay messages to a ground station Simplex modem using 1610-1620 MHz L-band frequency several LEO satellites are visible at any one time improving message delivery If no GPS fix, SPOT will send an distress message without GPS position to the emergency response centre																		
MESSAGES	SOS message is sent every 5min until batteries die or SOS is cancelled Assist message is sent every 5min for 1 hour Check-in/OK message is sent 3 times within 20 minutes GPS tracking message is sent every 10 minutes for 24hrs																		
DISTRESS	Distress messages are handled by the GEOS operation centre in Houston, USA 24hrs a day, days a week. The distress is relayed to the UK Rescue Co-ordination Centre at RAF Kinloss.																		
ENVIRONMENT Temperature Altitude Humidity Vibration Waterproof	-30°C to 60°C (-22°F to 140°F) -100 m to 6,500 m (-328 ft. to 21,325 ft.) MIL-STD 810E Method 509.3, 5% NaCl, 95% distilled water Per SAE J1455, Random, 20 Hz to 2000 Hz, 0.04g _{rms} /Hz Up to a depth of 1 metre for up to 30 minutes																		
POWER Battery	When utilizing 3 fully charged AAA Energizer® Ultimate Lithium 8x batteries (LR2), you can anticipate the following battery life in the specified operating environments: <table border="1"> <thead> <tr> <th>Mode</th> <th>100% clear view of sky</th> <th>50% clear view of sky 50% obstructed</th> </tr> </thead> <tbody> <tr> <td>Power On</td> <td>~ 3 months</td> <td>~ 3 months</td> </tr> <tr> <td>SOS (or Help/SPOT Assist reactivated)</td> <td>~ 6 days</td> <td>~ 3 days</td> </tr> <tr> <td>Track Progress</td> <td>~ 7 days</td> <td>~ 3 1/2 days</td> </tr> <tr> <td>Check-In/Custom Message</td> <td>~ 700 messages</td> <td>~ 350 messages</td> </tr> <tr> <td>Stored</td> <td colspan="2">Several years with properly installed AAA Energizer® Ultimate Lithium 8x batteries (LR2)</td> </tr> </tbody> </table> <p>SPOT performances and battery life may be degraded in operating environments where the SPOT GPS chip must take longer time to acquire your GPS location, such as trying to send a message indoors or under extreme canopies. Colder conditions can impact battery life. Under normal usage a full battery charge should meet or exceed these amounts.</p>	Mode	100% clear view of sky	50% clear view of sky 50% obstructed	Power On	~ 3 months	~ 3 months	SOS (or Help/SPOT Assist reactivated)	~ 6 days	~ 3 days	Track Progress	~ 7 days	~ 3 1/2 days	Check-In/Custom Message	~ 700 messages	~ 350 messages	Stored	Several years with properly installed AAA Energizer® Ultimate Lithium 8x batteries (LR2)	
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CERTIFICATIONS	FCC, IC, WEEE, SAR, ROHS, CE																		



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