

Skyguard Service with GEMshield

The GEMshield is designed as a compact, lightweight GPS/GPRS personal safety device.

The primary use of the device is the call for help (SOS) function. Once activated, an alarm message containing the user's identity and location will be sent to Skyguard's Incident Management Centre and a voice call initiated. The controllers can then assess the incident and follow your emergency procedures.

Features	Benefits
GPS	For accurate position of the user, normally to within 10 metres.
GSM mobile phone technology	Provision of text messaging and voice communications.
GPRS & SMS	Used for cost-effective data transfers. Position reports are sent via GPRS, with SMS backup, for transmission of the alarm message.
2-way voice communication	Allows the controller to talk to and reassure the user once the alarm has been activated.
Memo	This feature enables users to leave voice messages specific to their situation. This may be useful if GPS is not available, such as when entering a building. The memo is then immediately available to controllers if an alarm is activated.
Position reports	Position reports will record the user's location at a specific date and time and can be sent at regular configurable intervals or manually. These reports can be viewed on a map at Skyguard's Customer Control Panel interface.
Audio	Built in loudspeaker and microphone enabling the individual to hear the controller from up to 2 metres and for the controller to hear voice/ambient noise from up to 2 metres from the device.
LED status indication	The easy to read status indicators show GSM and GPS availability, Low battery, and Connection status.
Customer Control Panel	Individual customer access enables the user to update and maintain their own account details in real time, meaning the information is immediately available to controllers if an alarm is activated
Recording	All calls and actions are digitally recorded at the Incident Management Centre for training and evidential purposes if required.

Technical

Dimensions	55mm x 61mm x 24mm
Weight	88g
Audio	Microphone and loudspeaker audible at 2 metres
GPS	Advanced Atheros AR1511, for position accuracy within 10 metres
GPRS	Location information sent via GPRS with SMS backup for transmission of the alarm message, including transmission in poor communication conditions
GSM frequencies	Quad band: 850/900/1800/1900 MHz
Battery	Rechargeable Lithium-Ion; 100-hours standby. If the GPRS is set at the default position reporting intervals and other functions are frequently used, then approximately 12 hours.
LED status indication	Low battery, GPS, GSM coverage and Connection
Carriage	Three different lanyard lengths; magnetic strip or in pocket
Accessories	Optional car charger

