GeoNautics

L2g Koala

The L2g Koala is a 3G listening device offering simultaneous:

- **Live Listen**
- **Recording**
- **Tracking**
- **Audio Upload**

Highly sensitive GPS receiver (with GLONASS support for greater coverage/redundancy)

Optional security includes AES256 bit encryption of recordings and WebDAV (SSL) transmission

Control recordings, microphone level and output state whilst on a voice call, via any phone keypad

Vibration and Motion Sensing – SMS alarm and/or audio recording on movement

PROPERTY L2g	SPECIFICATION
Size Metric (mm)	73 x 48x16.5 (excluding connectors)
Size Imperial (inches)	2.9 x 1.89 x .65
Storage Temperature	-15°C to 70°C / 5°F to 158°F
Operating Temperature	0°C to 55°C / 32°F to 131°F
Operating Voltage	6 to 28v DC
Operating Current: Sleep	< 30mA typical
Operating Current:Registered*	< 80mA typical
Operating Current:On a Call*	< 1mA typical
Operating Current:Maximum	< 200mA
Controlled Outputs	2 (open collector)
3GEngine	Sierra Wireless Q2698
Link Encryption (DAV)	*SSL3 – RSA (1024), RC4, SHA1 (hash only)*
Content Encryption	*AES 256, CBC*
Event Log Storage	50,000 events
GPS Engine	uBlox 8
Maximum GPS Logged Storage	200,000 points
Microphone Input	2 External
Quantisation	8 bit PCM Linear
Dynamic Range	48dB (theoretical), > 42dB typical 8 bit
Sample Rates	8kHz, 11kHz
Audio Bandwidth	200Hz - 3.2kHz (8kHz sampling), 200Hz - 4.7kHz (11kHz sampling)
Software Compatibility	Windows 7 or later
Computer Interface	USB Downloader (USB 2.0)

*Varies on signal strength

KIT L2g	CONTENTS
	L2g(or L2gh) Device
	3G Antenna (Cabled and Stubby)
	GPS Antenna (
	USB Downloader (1.2m/4ft cable)
	2 x Microphone(1m/3ft cable)
	Microphone Loom (L2g only)
	USB Stick (Software, User Guide)
	Plastic Case

RECORDING TIME (Typical)					
QUALITY	BITS	1GB	2GB	4GB	8GB
11kHz Mono	8 bit – PCM	27hrs	2 days	4 days	9 days
8kHz Mono	8 bit - PCM	37hrs	3 days	6 days	12 days

COMPATIBLE PRODUCTS (Sold Separately)	
APS- Audio	Server-based file management for Operations, Targets and Devices with 'Authenticate' Software
Stubby Microphone	Miniature microphone head with our unique audio enhancing shroud
Flying lead Microphone	Specify your length and we will manufacture to order

PRODUCT OPTIONS (Sold Separately)	
"Secure Store & Forward"	*The high quality audio recordings stored on the device can be encrypted (AES128/256) and transmitted with either FTP or WebDAV (SSL) protocol with this firmware upgrade*
Memory Upgrade	1GB, 2GB, 4GB, 8GB available

Koala