

GEM-CELL AUDIO

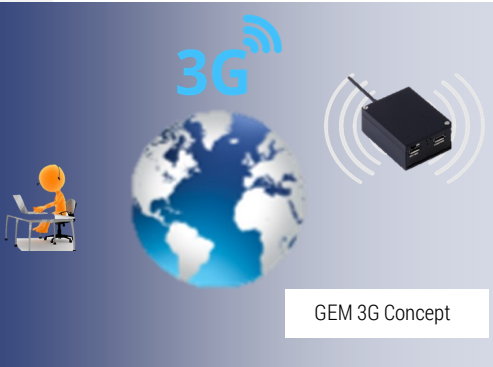
Concealed, Long term,
Store & Forward Audio Recording,
Live Streaming Via 3G data network



"The new unique concept in covert quality audio recording, limitless!"

GEM-CELL FEATURES

- **DESIGNED FOR COVERT USE** THE GEM-CELL AUDIO is a small device integrating a small powerful audio recorder with an integrated 3G modem for remote download and LIVE audio streaming over 3G mobile network. The GEM-CELL allows an unlimited operational range from anywhere in the world. It can be set up to record with multiple advanced timers or by voice activation mode.
- **PROFESSIONAL QUALITY** combination of industry leading high sensitivity Knowles type microphones with high sampling rates of up-to 22kHz/16kHz/8kHz-bit delivers perfect sound and high speech intelligibility.
- **HIGH AUTONOMY AND CAPACITY** All audio records are stored to micro SD memory (up-to 128Gb) and can be downloaded at any time, or access to "Live". The improved power consumption design allows up to 200 hours (8 days) of continuous Audio recording on its internal battery. GEM-CELL can also be powered externally via USB connector. Full recharge of the battery takes only 2 hours.
- **ULTRA FAST DOWNLOAD SPEED** Downloading over 3G is very fast and takes approx. 15-30 minutes for every 24 hours stored audio record. The audio and video can also be transmitted "Live".
- **DEDICATED FOR CONCEALED OPERATION** All records are exported or reviewed securely via the included software. 3G modem can be scheduled to operate only at a specific period, which makes the device undetectable by any RF scanners detecting 3G/GSM devices.
- **SECURITY** The audio data transfer is encrypted (128bit), each record has a precision timeline and can only be reviewed using the supplied software, and the records may also be password protected. If the recorder is intercepted then the micro SD card is unusable.



GEM 3G Concept

APPLICATIONS

- Concealed and encrypted channel allows for ideal covert use by Police, Law enforcement agencies and security professionals.
- Particularly suitable for covert audio recording for TSU-units on a long term operations, where there is no direct or limited access to the recording device.
- Extremely stable system.
- Ease of use, ability to access.

General

Dimensions:	45x33x17mm
Battery:	Integrated Li-pol battery
Voltage input:	5.0 V, powered via micro USB
Scheduled recording:	selectable periods for each day of a week
Battery life in record mode:	Up-to 200 hours including data transfer
Memory capacity:	300 hours at 8kHz sample rate
Data storage:	Internal micro SD card 16GB (up to 128GB)
Export audio format:	AVI or WAV format

Audio

Audio bit width:	16bit
Sample rate:	22kHz, 16kHz or 8kHz
Signal to noise ratio (SNR):	75 dB
Sensitivity of built-in microphone	approx. 8-10 m
Voice activated recording:	yes
Automatic gain control (AGC)	yes

Audio input: Internal / External (optional) microphone

3G Connection

Data transfer rate: Up to 5.75 Mbps uplink
Supported Bands I, II, IV, V, VI, VIII, GSM/GPRS/EDGE quad band

Antenna: Integrated or external U.FL connector

3G data modes: HSUPA 5,76Mbit, HSDPA 7,2Mbit

CE Conformity Information

Directive 1999/5/EC ETSI EN300328 V1.7.1: 2006, ETSI EN 389-1 V1.8.1:2008
ETSI EN 301489-17 V2.1.1:2009, EN 61000-3-

Directive 2006/95/EC EN60950-1:2006+A11;

Directive (ErP) 2009/125/EC Environment EN62075:2008

Security Encryption optional WPA2/PSK, WEP-128, WEP-64



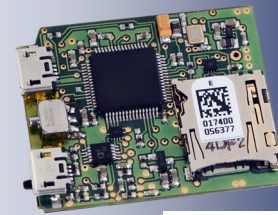
DELIVERY SET

- GEM-CELL RECORDER
- CABLES
- USB Adapter
- GEM-CELL SOFTWARE
- OPTIONAL: PCB BOARD, DELIVERY OPTION

Everything in a small hard carry case.

OPTIONS

- PCB BOARD DELIVERY SET



GEM-CELL PCB board

- FG-23 EXTERNAL MICROPHONE



FG-23 External Microphone

- LAPTOP with the control software pre-installed and tested READY TO GO.

DEDICATED WIRELESS SOFTWARE

