



GEDION

Mini voice recorder  
with built-in  
Wi-Fi transmitter

# MicroWi



- ▶ Digital audio recording to MicroSD card
- ▶ Just slightly bigger than a regular matchbox
- ▶ Knowles built-in microphone allows recording from 10 m distance
- ▶ External microphone connector
- ▶ Voice and time schedule activation modes
- ▶ Automatic and manual gain control
- ▶ 120 hours of operation on one battery charge

- ▶ Remote control and file upload over Wi-Fi
- ▶ 24 hours of recordings upload takes just about 5 minutes
- ▶ Wi-Fi transmitter can be scheduled to switch On/Off
- ▶ Antisweeping mode: voice recorder cannot be detected by means of field detectors or radio monitoring systems
- ▶ Live listening over Wi-Fi
- ▶ Automatic host detection and upload (recordings can be secretly downloaded when a preset mobile hotspot is brought in the range of Wi-Fi operation)
- ▶ Can be configured to work with any stationary Wi-Fi hotspot
- ▶ Optional 3G router for mobile Internet operation



- ▶ Special software packet for control and playback
- ▶ Convenient record navigation with real-time marking



**Gedion, Ltd.**  
Ukmerges 369a  
Vilnius, LT-12142  
Lithuania

# MicroWi

tel.: +370-689-24965  
e-mail: info@gedion.lt  
www.gedion.lt

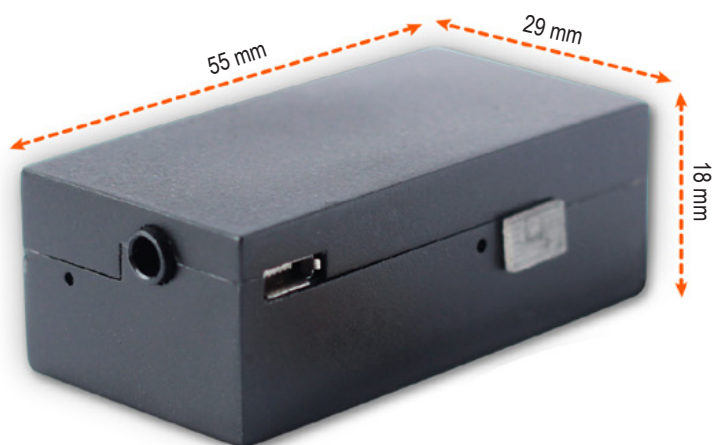
Miniature voice recorder with built-in Wi-Fi transmitter

MicroWi combines the best features of voice recorders and radio transmitters and eliminates their major flaws.

A radio transmitter is a perfect choice for live surveillance but can be easily detected with a field detector or radio monitoring system.

A regular voice recorder cannot be traced by a field detector or radio monitoring but surveillance data collection requires a physical access. Also a regular voice recorder cannot be used for live surveillance.

MicroWi is a miniature voice recorder with built-in Wi-Fi transmitter. It records high quality audio on a MicroSD card. Yet to listen to the records you don't even have to touch the voice recorder. All the collected data can be downloaded to a host computer using ad-hoc Wi-Fi connection or via Internet.



## TECHNICAL DATA:

### GENERAL:

Dimensions:	55x29x18mm
Battery:	Integrated Li-ion
External power supply (charging):	micro USB, 3.3 to 6.0 V
Charging current:	up to 500mA
Scheduled recording:	Programmable for every day of the week
Battery life:	120 hours of recording and data upload (depends on configuration)
Data storage:	removable microSD card (16 GB included)
Memory capacity:	1200 hours at 8 kHz sample rate (16 GB)
Export records:	WAV file with real-time marking

### AUDIO:

Quantization:	16bit
Sampling frequency:	22 kHz, 16 kHz or 8 kHz
The ratio of signal to noise:	75 dB
Sensitivity of microphone:	8-10 m
Integrated microphone type:	Knowles EK23 series
Voice activated recording:	yes
AGC	yes
Audio input:	optional connection of an external microphone

### WI-FI:

Data transfer rate	11Mbps
Output power of WiFi:	20dB
Antenna:	integrated, 2dBi
WiFi modes:	802.11g or 802.11b in client mode
IP address:	static IP or DHCP
Wi-Fi Security protocols:	WPA2/PSK, WEP-128, WEP-64

24 hours of audio surveillance can be downloaded in just about 5 minutes. At any other time the transmitter can be turned off. Therefore it is virtually impossible to discover the voice recorder by means of any radio detector.

An optional 3G router-buffer can be supplied with MicroWi voice recorder making it possible to download the data over 3G mobile networks.