4EVAC AUDIO OVER IP

4EVAC Voice Alarm Systems include provisioning for Audio over IP, where up to 250 audio channels may be distributed within Local Area Network (LAN) for multi-stream background music distribution.

Configurable via web interface, 4EVAC Audio over IP network offers static or dynamic audio routing from and to network devices, each having continuous access to 32 channels, which can be individually mixed, volume controlled and muted. 4EVAC Voice Alarm devices equipped with 100Base-T Ethernet port can be configured to access any channel in the network, making the platform fully equipped for large applications where multi-channel simultaneous background audio broadcast is required.

Thanks to the built-in dual port 100Mbps switch, 4EVAC devices can be connected directly to each other, without switch or router in between.

Every 4EVAC device with Ethernet interface has 2 analog audio inputs, which can be streamed to any of 250 available channels within the same LAN. Audio streams are transmitted in lossless, uncompressed format, with minimum latency.

Additional audio signals can be streamed in and out the network via IN/OUT streaming servers, powered in remote locations via PoE.

Since 4EVAC systems are primarily designed for Voice Alarm, Audio over IP functionality is designed as an optional facility, additional to the core functionality of Voice Alarm compliant with EN54 group of safety standards. Architecture and processing embedded in 4EVAC products will always grant highest priority to the mandatory Voice Alarm functions.

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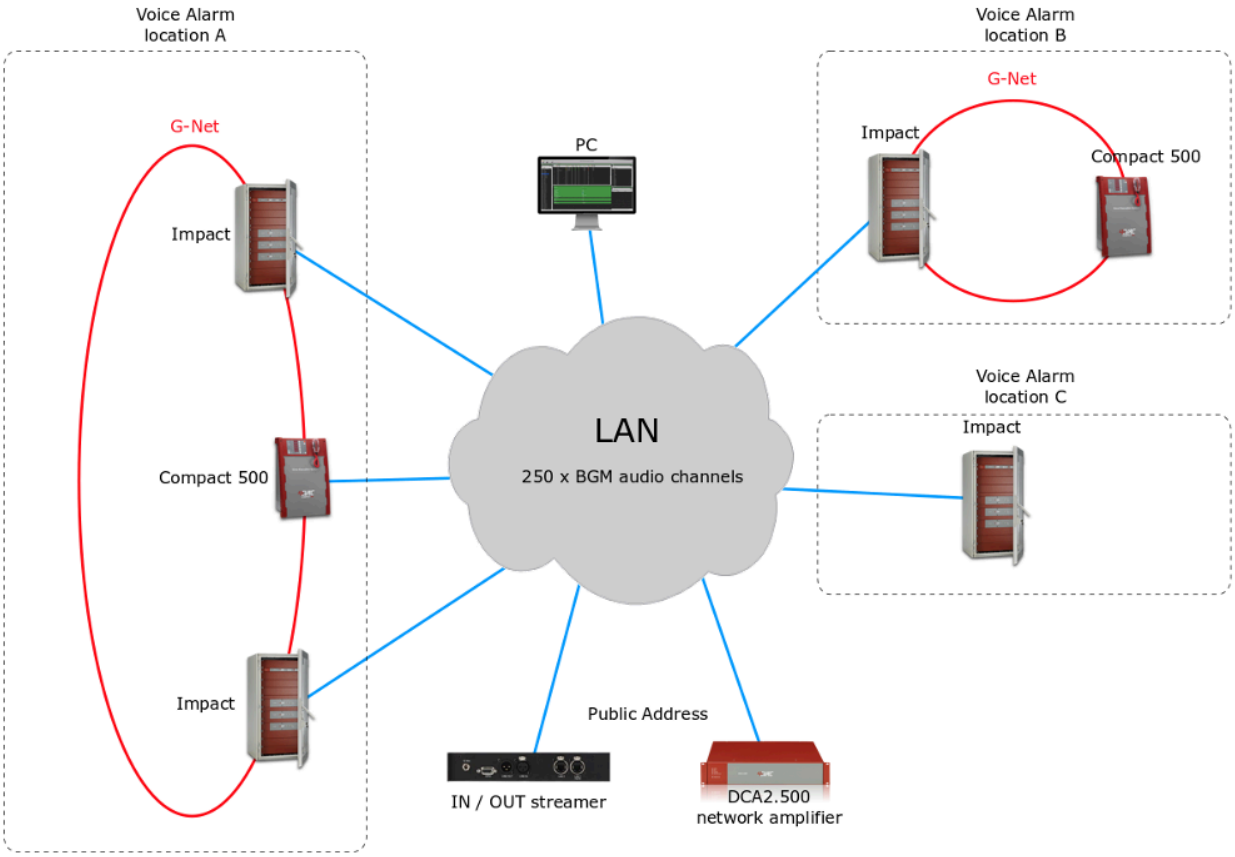

Example application of 4EVAC Audio over IP

4E-Audio over IP	
Global audio channels	250
Local audio channels	32 per device
Local analog inputs	2 per device
Local analog outputs	2 per device
Sampling frequency	48 kHz
Bit resolution	16 bit / sample
Number of devices	3000
Network requirements	100/1000Mbps Ethernet port Devices must be configured in the same LAN