



The only
**UNIFIED AUDIO
PLATFORM EXPERT**



High quality and proven

Public Address & Voice Alarm solutions

Get your messages across in all
situations and in all environments



Empower your security teams with greater control and flexibility

This Public Address and Voice Alarm solution is designed and ready to meet the operational needs of your facility with its advanced audio performance capabilities that are already tested at many facilities worldwide, with great success.

Keep everyone informed

- Operational Public Address, Security, and paging announcements helps keep everyone informed
- Issue event-driven or pre-recorded messages
- Stream background music or audio files

Protecting People

- Paging announcements keep staff informed of emerging situations ensuring they can respond appropriately
- Voice Alarm message direct people away from risks, and toward muster points
- First responders and emergency services can use Emergency microphones to issue instructions over the Public Address

Protect your facility

- Allows interactive Perimeter & Asset protection. Staff can trigger warning messages, or issue live instructions if an intruder has made an incursion
- Integrated with a Video Management System, cameras and speakers can be positioned together around building and fence line to prevent unwanted activity
- Staff can intervene proactively via the Public Address, deterring criminal behaviour, while staying at a safe distance



ASL Public Address & Voice Alarm Solutions by Zenitel



Operational Broadcast

A basic use case for our solutions is broadcast of Operational information like important day-to-day information to staff and visitors, that helps keep everyone informed. Via speakers you issue live messages for colleagues, or perhaps a programme of pre-recorded information announcements and background music.

Security Announcements

From the control-center focusing on protection of assets, staff can trigger pre-recorded warning messages or send direct instructions via a live announcement to a specific area in stores, parking lots and more, where a potential security risk is present. The fact that the staff can interact remotely reduces the need for physical intervention, and increases response time, lowering overall cost both in terms of having fewer security staff on-site, and the costs that result from Criminal behaviour.



Voice Alarm & Life Safety Announcement

For life safety operations PAVA paging announcements helps keep staff informed of emerging situations ensuring they can respond appropriately. This allows safety and security staff to react appropriately and efficiently if a situation escalates meaning that – should the worst occur – Voice alarms, Evacuation messages and Mass notification content can be triggered to direct people away from Hazards and to the nearest safe zone. Emergency services and First responders will use Emergency mics to send prioritised calls over the PA which will override non-essential calls to maximize the efficacy of the emergency response.

Hear, be heard, and be understood – every time and everywhere!

Public Address & Voice Alarm solutions

That you can trust to deliver!

Combining high-performance audio with modular design, built-in redundancy and great flexibility our Public Address and Voice Alarm solutions promise to help you lower operational costs while delivering scalability. It's an obvious selection for those looking for an efficient and sustainable safety and security solution for their facility.



High quality and proven solution

Zenitel is recognised world-over as a quality provider of critical communication solution. You therefore can introduce this Public Address and Voice Alarm solution to your facility with a confidence that it will deliver what its designed for, every time & in all situations. Moreover, the solution has already been deployed and is operational in many demanding environments globally with great customer feedback.

Exceptional audio performance

Zenitel is recognised globally as an audio expert. Our solution comes with advanced audio-processing capabilities to deliver crystal clear, highly intelligible audio for messages and background music in all kind of environments. Be it a noisy stadium, bustling railway station, or be a busy shopping mall or office building, you will benefit from the increased safety and security that comes with the use of high-quality audio.





Scalable and highly flexible

The design of ASL Public Address & Voice Alarm Solutions gives you all the options you need without any compromise on performance. The solution enables you to choose between centralised and decentralised architectures and rack-mount or wallmount installation, coupled with dynamic configuration options for zones and amplifier power. Thanks to a design with multiple levels of redundancy, the solution is highly robust offering high serviceability.

Seamless integration

Benefit from an end-to-end critical communication solution from Zenitel, thanks to the addition of a networkable Public Address and Voice Alarm solutions. Its seamless integration with other Zenitel solutions such as intercoms and IP speakers improves security teams response times. Its excellent interoperability with other business services and systems such as VMS, PABX, DECT/Radio etc. reduces the complexity of your integrations between subsystems.



Key Features & Benefits

EN 54-16

CERTIFIED PRODUCTS

Rigorous Safety Standards

Our ASL Public Address and Voice Alarm solutions are designed for high availability and 10 year operating lifespans and meet rigorous safety standards including EN 54-16, UL and CSA certifications.



Monitoring, Maintenance & Control

User Friendly configuration tools, end-to-end monitoring, modular technology and multiple levels of redundancy limits system downtime and enables agile maintenance planning.



Exceptional audio performance

Full range Frequency response, 16bit/48kHz sampling and hi-quality audio processing results in crystal clear, high intelligibility message reproduction.



Comprehensive DSP Features

Delay, AVC, Compression, EQ enables you to tailor the system output for every message type and acoustic environment



Scalable Deployments and Flexible Zoning

Configurable output power, Modular amplifier architecture, scalable from a single node, to multiple cluster systems.

Public Address and Voice Alarm **Solutions**



INTEGRA Pre-built EN54 solution

INTEGRA systems is the go-to solution for the on-shore markets. It is a pre-built EN 54-16 system that lowers complexity. INTEGRA is available with three, five, seven and ten channels of amplification.

The unit has 12 audio inputs and internal storage for up to 64 recorded messages. With a maximum power of 2000W, integrated audio-over-IP networking, powerful audio processing, and integrated battery charger and battery mounting shelf all in a compact wall-mount enclosure, INTEGRA provides a complete voice alarm solution for both medium to large centralised and decentralised PAVA systems.

- Self-contained Wall Mount Voice Alarm
- Integrated IP Audio Networking
- Simple installation
- Pre-installed with 3, 5, 7 or 10 amplifier cards pre-installed
- Up to 2000W total load
- DC/IMPEDANCE loop loudspeaker monitoring
- EN54-16 and EN 54-4 compliant

VIPEDIA Scalable solution

VIPEDIA systems are built for 19" racks and offer even greater flexibility and scalability. VIPEDIA combines high-quality professional audio processing with everything required for safe emergency voice announcement. It is suitable for medium and large-scale installations.

Integrated Secure Loop audio support make both centralised and IP distributed architectures easy to realise. Perfectly suited to centralised or distributed architectures. All audio processing is through powerful dedicated digital signal processing (DSP) circuits.

- Professional audio quality
- 24 Bit 48kHz audio processing
- Built-in audio networking
- 12 analogue audio inputs & outputs
- 6 IP Audio inputs & outputs
- Onboard control inputs & outputs
- Fully EN54-16 certified
- Flexible control options



Products

Pre-built PAVA solution - INTEGRA

Versatile pre-built EN54 “PAVA in-a-box”

- Wall mounted pre-configured solution, which can be stand-alone or part of a larger networked implementation.
- Choice of 3, 5, 7, 10 amplifiers as standard
- Low-profile Wall mount solution
- Based on Vipedia



Audio Router - VIPEDIA 12 NET

Networked Audio router for user-friendly system control

- Route your messages as you like, and tailors the systems output for performance in even the most demanding acoustic environment. 12x12 Audio I/O, 12 GPIO, + Networking
- Digital Backbone to combine up to 4x Vipedia for 48
- Onboard EQ, AVC, Dynamics, and line monitoring for each source and output



Amplifier Mainframe - V2000

For flexible zone building

- Enhances situational awareness, allows remote monitoring, and clear communications, even in the most challenging conditions. Amplifier cards slots for up to 10 zones (or 9+1), or up to 2000W total output
- Acts as Battery Charger/Power management for Vipedia and Mic Panels
- Front loading for hot-swap of amplifier cards.



Output Modules - D150, D500 & LSZDC

Configurable outputs with end-to-end speaker line monitoring

- The D150 and D500 amps combined with the LSZDC interface module give configurable power outputs to monitored A+B speaker interleaved speaker lines. Configurable in 5W increments from 25W to max rating (150W/500W)
- A+B interleaved speaker outputs from each amp card
- Impedance & DC monitoring options



Emergency Microphones - EMS

Emergency Microphones panels

- These wall mount Emergency mics are designed with a fist mic for use by Emergency responders
- Can be wired directly to Vipedia/Integra units to offer extra fail-safes via Hardware bypass
- IP 65



Multi-purpose Microphone - MPS

Desktop mic panels

- The MPS desktop range scalable to meet your needs regardless of size. Optional wall mounts are available to enable flexible installation methods
- All MPS mics can be wired as IP stations for operational-only applications or as analogue stations where EN54 is required. Can be wired directly to VIPEDIA/INTEGRA units to offer extra fail-safes via Hardware bypass
- IP 65



Selected References



LONDON UNDERGROUND

UK

In response to tragedy at King's Cross Underground Station, London Underground Ltd (LUL) ensured that installation of voice alarm across all stations was given high priority. Today over 130 LU stations and all of DLR stations rely on Public Address and Voice Alarm systems offered by Zenitel.



TUNELOVÝ ROZHLAS

Slovakia

Slovakian highway construction and maintenance company, Národná diaľničná spoločnosť, a.s. deployed a sophisticated 6km road tunnel EN54-compliant ASL Voice Alarm Solutions for a series of motorway tunnels to allow for the safe and trouble free evacuation of people in case of a fire event or traffic accident.



RINGHALS POWER STATION

Sweden

Design and implementation of a massive Public Address and Voice Alarm system with over 340 Zones designed to comply with EN54. Operated by Vattenfall, a Swedish power company and one of Europe's largest retailers of electricity and heat, Ringhals nuclear power plant is located south of Gothenburg in Sweden and is the largest power plant in Scandinavia.



GATWICK AIRPORT

UK

Gatwick Airport required a multi-node distributed Public Address and Voice Alarm (PAVA) system at the South Terminal, with a central management system to monitor and control other third party safety subsystems. Zenitel/ASL have designed a solution that caters the need of PAVA use cases and high-fidelity music distribution.

Why Zenitel?

Zenitel is well positioned to drive the future of intelligent critical-communication solutions. Through our portfolio of IP products & solutions, with built-in intelligence and a focus on cybersecurity, we provide organisations with superior, scalable security and flexibility. Zenitel is the proven, preferred choice for environments requiring crystal-clear audio to ensure the protection of human life, property, assets and the management of critical activities. With interoperability at all levels, we seamlessly integrate with access control, video management and security platforms.