

Acoustics | Clocks | Evacuation



Mobile

PA systems, music playback and control systems for accomplished performances





Big audience

SOLUTIONS FOR AUDITORIA AND HALLS

Sometimes it can't be big enough. If you want to reach a lot of people, you don't simply need a suitable room. Your listeners will be enthralled only by a perfect performance and everything working together – regardless of whether it's in a multipurpose hall, a congress hall or a sports arena. That's why g+m elektronik ag systems' sound, vision, quality and security make sure that your performance will be brilliant.

That's why our systems are designed to meet the following requirements:

- Excellent voice and music playback
- Designed for stage operation
- Designing customised, easy-to-operate control systems
- Single or overall operation (separable rooms)
- Sound-sequence line-up playback
- Integrated induction-loop systems for the hearing impaired
- Combination of PA/music and image playback

Objects

Multipurpose halls – with or without stage, lecture theatres, congress halls, sports stadia and leisure facilities.

Target groups

Companies, event venues, congress centres, local authorities, schools, homes for the elderly, hotels and gyms.

Fields of application

Theatres, panel discussions, lectures, readings, performances, activities events and a great deal more.

Voice and music playback

Clear intelligibility is vital to a stereophonic sound experience. Sounds and syllables are distributed in the room so that they sound authentic and uniform, have a pleasant volume and have no disturbing echo effect in the room.

Operation

Our simply and individually designed wired and wireless remote controls allow you to adjust volumes and switch on microphones, external music devices, video projectors and projection screens at the press of a button.

Video projectors

Video projectors with various light outputs and resolutions are available for high-quality projection in various scalable image formats.

Induction loops for hearing impaired

Automatic calibration of the induction loop and processor-controlled automatic gain control AGC offer the hearing impaired constantly high sound quality.

Everything under control

CLEVER CONTROL SYSTEMS

What happens behind the scenes is frequently crucial: directors and engineers make sure that everything goes perfectly. They find everything they need in intelligent and easy-to-operate g+m elektronik ag control systems.

Control via ARC operating console

g+m elektronik ag's state-of-the-art digital microphone consoles ensure you maximum operating convenience. They are programmed individually to meet your needs and integrated in your system via bus system or LAN interworking. You can easily adjust volumes, trebles and basses and control microphones or music devices with our simple, individually designed, wired remote controls.

Our intelligent models can also be integrated in building services management systems or touchscreen terminals thanks to their graphical user interface via touchscreen or PC. The existing software interfaces ensure smooth integration in your network.

Advantages: very simple structure, easy to operate, with a customised configuration, reduced to the important functions and expandable.

Control via iPad

Control of the AV system via customised iPad touchscreen, network-compatible, fixed operating panel or mobile touch-panel,

Advantages: wireless (location-independent) and customised user-interface design. Integration of additional user interfaces for call-up of acoustic scenarios, for controlling image playback, lighting, scenes, ventilation, etc.



ARC Console





SMART OPERATION

Count on your intuition. You don't need anything more to operate the operator interfaces designed project-specifically for you. Intuitive control of images, lighting and curtains through to individual volumes makes things as easy as possible for you and saves you valuable time. You can call up individual preset scenes immediately and they are always at hand.



Controlling:

- Sounds (microphones, music, zone switching, woofers, overall volume and automatic texts etc.)
- Video projectors and projection screens
- Signal sources
- Lighting (interface to building services management system)
- Shutters
- In churches: bell control and doors etc.

General:

- Sound scenarios (half-full hall, averagely full hall or full hall)
- Scene image playback

Loud and clear

SPEAKER SYSTEMS ...

MITUS

The powerful solution for big events

The complete voice and music playback range of line array components with sub-woofer, powerful 2-way speakers and wedge monitors. A wide range of accessories makes the system extremely flexible for live music events, touring use and fixed installation.

The MITUS Series is powerful, lightweight, flexible and user-friendly.



VENTIS

The series of speakers for mobile stage applications

Equipped with a rotatable and directional horn speaker, the VENTIS models feature highly efficient woofers and high-frequency compression driver.

Available in five bi-amp models (active and passive) and two coaxial bi-amp wedge monitors. Accessories for fixed installation are available for the entire series.

The birch-plywood housings with scratchproof textured paint finish contain outstanding speaker performance at a reasonable price.



... FOR EVERY FIELD OF APPLICATION

VERTUS

The discreet solution with precise sound emission

The VERTUS CLA Column Line Array is compact and powerful and features state-of-the-art line array technology. A slim column for the midrange and tweeter range and a compact sub-woofer together form an unbeatable team. Can be extended to up to three bass speakers and three columns per side this allowing you to achieve a total output of 6600 Watt RMS.

The VERTUS CS1000 Line Array system was developed as a compact system for artists and electricians. This system can be placed into operation on stage — or integrated elegantly in the existing infrastructure in minutes. The state-of-the-art bi-amp technology with neodym speakers guarantees high sound quality with outstanding directional effect. The system can be expanded in modular fashion – up to a peak power output of 8000 Watt.



ARCHON

The luxury speaker series for fixed installation

The series comprising full-range and bi-amp speaker systems is particularly suitable for multipurpose halls and sports halls, shops, clubs, gyms, conference rooms, theatres, educational establishments, churches, museums, trade-fair centres and many other buildings.

Outstanding voice intelligibility, precise frequency-band coverage and ease of installation are the main features of the high-quality Archon Series. The elegant design of the speakers meets the most demanding architectural design wishes.



Loud and clear

SHADOW

The all-weather speaker series

The entire series of high-performance horn speakers offers high-quality music and voice playback in applications under extreme weather conditions. Suitable for sports grounds, theme parks and swimming baths through to stadia, the all-weather product family fully meets the most demanding requirements in relation to voice and music playback.

The models of the SHADOW Series are manufactured to comply with international safety class IP55 and so provide sound quality which is reliable in the long term even if the systems are permanently installed in the open air.

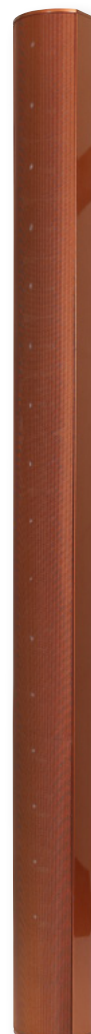


COLUMN SPEAKERS

Luxury design with natural sound reproduction

Our active and passive sound columns are used for discreet and high quality-sound public address and music playback in acoustically difficult environments such as churches, museums, trade-fair centres or conference rooms. The high-quality speakers which are optimally intermatched acoustically ensure outstanding results even in very «echoey» environments.

The slim, elegant aluminium housing with its filigree front guard protects the electronics of the high-quality sound columns against mechanical damage and integrates it optimally in its relevant environment. The colour of the housing can be adapted at any time.



Making audible

WIRELESS TRANSMISSION FOR THE HEARING IMPAIRED



Assembly halls, multipurpose halls, lecture theatres and auditoria are public buildings for which Swiss law prescribes induction-loop listening assistance systems in accordance with Security Industry Association Standard SIA 500. Hearing aids receive the audio signal directly via the loops laid in the floor. The required signal strength and frequency band are prescribed in European Standard EN 60118, Part 4, 2006.

Via the induction loops laid in the floor, the induction-loop amplifier BO-CD-155 generates an electromagnetic audio signal for hearing aids. Automatic calibration of the induction loop and processor-controlled automatic gain control AGC guarantee constantly high hearing quality for hearing aids. This requires thorough planning involving several measurements by an appropriately qualified measuring-engineering technician.

Perfectly integrated

This is what it looks like when presentation components are integrated in g+m elektronik ag's APS® acoustic control and indicating panel. Sound, images and control are interconnected optimally. An audio signal of the DVD/CD player is taken from the switcher, input in our APS® control and indicating panel and played back via the speakers. This audio signal can be interrupted by an announcement on the microphone for instance. The volume is controlled via a volume control which is installed in the wall for instance.





The volume is controlled via a volume control which is installed in the wall for instance. Other areas in the building can be added to the system at the press of a button.

Microphones, radio, CD or MP3 players can also be controlled with the remote control.



Some references

- Autoneum³⁾, CH-Winterthur
- Protestant church, CH-Oberwinterthur
- Church community hall, CH-Winterthur Wülflingen
- Fire-Brigade Centre, CH-Amriswil
- Liebestrasse congress building²⁾, CH-Winterthur
- Zinzikon school building⁴⁾, CH-Winterthur
- Wiesengrund home for the elderly¹⁾, CH-Winterthur
- Konradshof residence for the elderly, CH-Winterthur
- Sports centre, CH-Klosters
- Vögele cultural centre, CH-Pfäffikon
- Landscheide residential establishment, CH-Schönengrund
- win4 Sports stadium, CH-Winterthur

Swiss Made

g+m elektronik ag, based in Oberbüren, has been developing and producing equipment, components and technology for complex acoustic, clock and evacuation systems for over 50 years.

As a modern, independent company, we develop needs-based, future-oriented engineering solutions for our customers, thereby setting standards in electro-acoustics. Sustainable quality, innovative ideas and continuous advancement are fundamental values that govern our actions.

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