

Acoustics | Clocks | Evacuation

Products

Intelligent products – an overview



Akustikanlagen

We set standards for you: Our headquarters in Oberbüren, Switzerland. We have further subsidiaries in Germany, France and the Netherlands.



Swiss Made

Often invisible. But always loud and clear. For over 40 years now, the innovative ideas of g+m elektronik ag have been right at the heart of things. Our electro-acoustic developments set standards on the markets time and time again. Well beyond the boundaries of Europe.

Our brand name stands for Swiss values and for Swiss quality. Lasting and forward-looking. We develop, design and produce trend-setting solutions.

High innovative strength and many years of experience guarantee you long-lasting, high-quality and extremely user-friendly products.

g+m elektronik ag develops and produces in accordance with most recent international standards ISO 9001, EN 54-16, EN 54-17, EN 54-24, NEN 2575 and BS 5839.



LC-CD

MIXING AMPLIFIER PUBLIC ADDRESS SYSTEM



The LC-CD mixing-amplifier family is ideally for use in smaller office environments for clear voice announcements and good quality background music. The six inputs can be configured universally for speech or music, whereby the possibility for the triggering of freely determinable chime or speech files in Wave-format rounds off the unit's functionality. The customer requirements can be configured simply and easily with the integrated user interface. The modular connection of an additional housing (LC-CD-EXT8) in combination with the digital microphone console enables announcements to be made in up to 8 different zones with simultaneous background music in other areas.

The digital amplifier range from 50 W to 250 W with 100 V technology allows for implementation in larger spaces without restriction in respect of placement of loudspeakers and for the combination of any loudspeaker types.

- Digital amplifiers 50 W – 250 W
- 6 universal inputs for microphones or AUX
- Digital signal and voice memory
- Priority contact/VOX controlled
- Easy handling user interface for programming
- Extension unit for public address:
 - 8 zones, music, announcements simultaneously
 - Digital microphone consoles
 - 5 external contacts with priority functions



Compact-S

MODULAR PA SYSTEM



The Compact-S Universal PA-System is ideally suited for use in sales areas, medical practices, restaurants, small to medium sized event venues – in fact anywhere where background music either on its own or in combination with announcements is required. As a modular system the Compact-S Universal PA-System can be adapted to achieve the desired result in all kinds of situations: From the tuner module via telephone interfaces to public address from the digital microphone console in up to four different zones. The digital amplifier range from 50 W to 250 W with 100 V technology allows for implementation in larger spaces without restriction in respect of placement of loudspeakers and for the combination of any loudspeaker types.

- Background music
- Digital amplifiers 50 W–250 W
- Selective announcements into 4 zones
- Pause signal
- Chime, speech, advertisement player
- Modular expandable
 - CD/SD/USB Player
 - Digital voice recorder
 - Telephone interface
 - Microphone mixing module



APS[®]-System

VOICE EVACUATION SYSTEM

An open and modular overall system for sound systems, PA and voice alarm and evacuation systems officially EN 54-16 certified. The main features are the system's very high user-friendliness and simple and clear operation of even very complex projects.

A selection of over 100 different standard modules, combined with the latest generation of our APS[®] software, ensures implementation of specific requirements and demands for an intelligent overall system for music, call, gong etc. and for controlled selective evacuation of a zone, a storey or an entire building.

- Extremely easy system planning
- User friendly
- Digital amplifiers 100 V
- LAN networking
- Digital signal processing
- Open system architecture
- Officially EN 54-16 certified
- Fully modular
- Loudspeaker loop monitoring

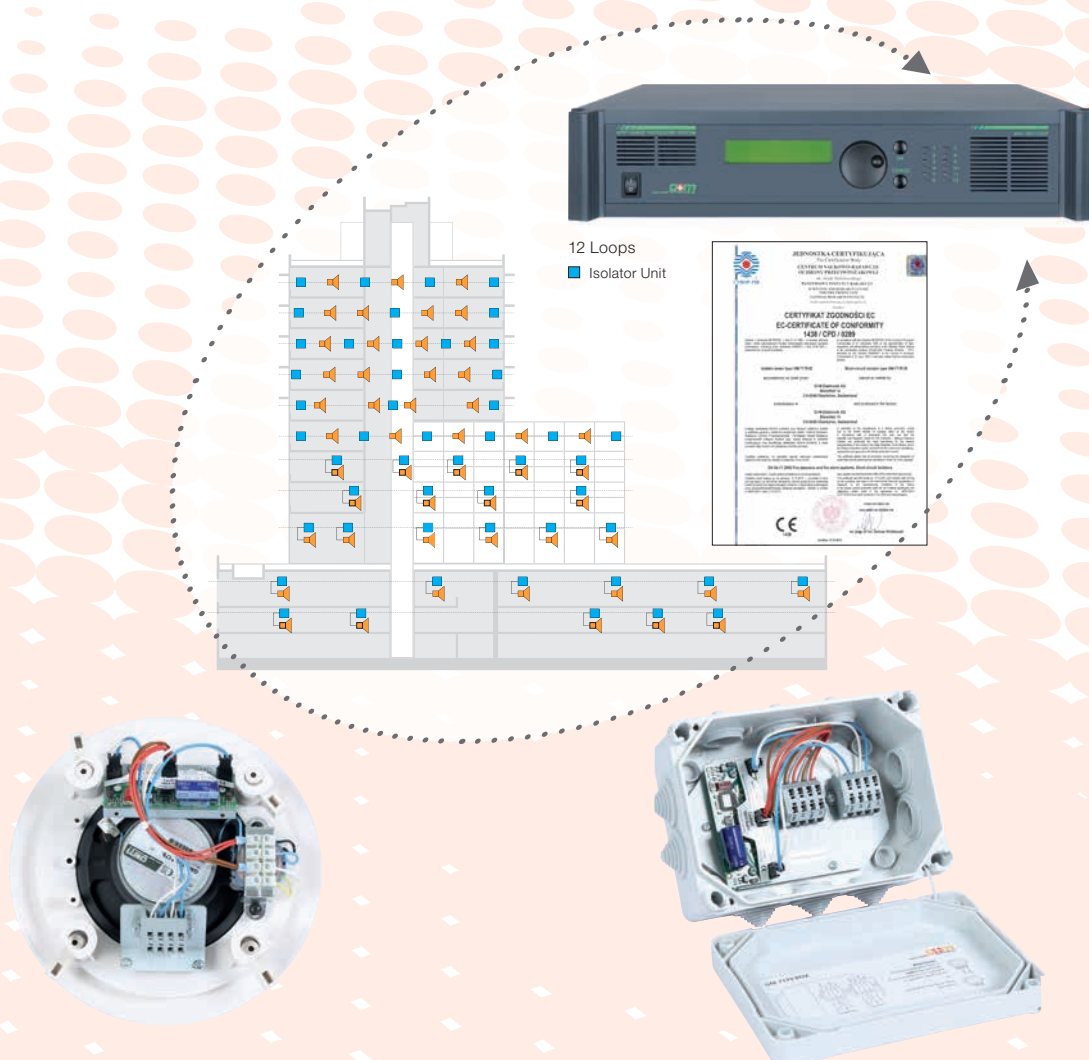


APS[®]-180

LOOP-SYSTEM

This system allows to build the loudspeaker lines with standard cables. Then the standardisation groups NEN, VDE says: If the transmission way can be build as a loop system and the the functional integrity is ensured; then standard cables can be used.

- No need for expensive E30-cabling
- Optimal safety due to redundant connection (loop)
- Interruption free line monitoring for discontinuity, short circuit and earth fault
- Automatic isolation of the problem zone
- Up to 12 loops per device
- Up to 420 isolators per system
- Bi-directional communication
- Automatic addressing
- Loop length up to 600 m
- 2-wire standard cabling



VA-450

VOICE EVACUATION SYSTEM



The VA-450 is a compact all inclusive voice evacuation system already integrating all important functions and components. It is optimally suited to all premises and installations in which a PA system is used for emergency announcements and is thus a central part of the safety and security concept, complying with the full scope of standard EN 54-16. The permanent self-surveillance provides warning of failure to any component critical to system operation and even switches over automatically to the integrated emergency power supply or stand by amplifier. PA announcement into each individual zone in combination with background music completes the high functionality of this compact evacuation system.

- Fully self monitored
- Built in MP3 module
- 3 fully independent amplifiers of 150 W (one standby)
- 2 monitored inputs for triggering of evacuation and alert messages
- Integrated and monitored battery backup
- Amplifier and loudspeaker monitoring
- Fault logging



Clocks

ANALOG AND DIGITAL



The master clock from g+m elektronik ag can simultaneously be used as master clock in a hard wired minute impulse or time code (TC) system. The master clock system is also equipped with 4 relay outputs for control and regulation of various energy consumers such as buzzers for pause signalling. Whereby the master clock itself is synchronised via radio (DCF) or satellite (GPS) signal. The various types of analogue or digital clocks can also be connected via Ethernet or wireless.

- Self adjusting time code clocks
- Intuitive operation
- Network based or wireless
- Radio synchronisation GPS, DCF
- PC programmable
- Available in all RAL colours





Speakers

SOLUTIONS

Fine sounding and versatile: Active and passive speakers can be used universally. They are used with enhanced intelligibility for voice instructions in voice alarm systems. Or, when used as music speakers, they ensure a brilliant sound experience.

All speaker systems are adapted and optimised in ongoing manner in our in-house acoustic chamber.

Get to know our highlight: The active sound column. It irradiates the sound optimally in the relevant room. It reduces reflections and clearly enhances voice intelligibility.

- Easy mounting
- Available in all RAL colours
- For all applications
- Ceiling-, Cabinet-, Horn-, Spherical-, Column-Speakers
- Active line arrays
- Voice evacuation speakers according EN 54-24



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