



PA SYSTEMS  
VOICE ALARM SYSTEM (VAS)  
VOICE ALARM CONTROL AND INDICATING EQUIPMENT (VACIE)  
DIGITAL AND ANALOGUE CLOCK SYSTEMS  
LOUDSPEAKERS

# Right at the heart

Often invisible. But always loud and clear. These have been the innovative ideas of g+m elektronik ag for over 50 years. With our electroacoustic developments we continue to set new standards in the markets. Far beyond the borders 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 which have made us what we are with the well-founded expertise so typical of our company: They have made us to a market leader.



Ηλεκτρονική

EMU

elektronik ag

coordinate

f



# Passionate



Whether in Paris, Madrid, Cairo or Tangiers, g+m elektronik ag's name has become a resonant one for electro-acoustic quality. Founded in 1969 by Bruno Müller, our company is now managed by Jörg Ammann as part of the Swiss Securitas Group. Swiss and independent. This moulds our thinking and our actions with which we meet and also like to exceed your needs individually, very precisely and as flexibly as possible.

Around 70 employees work in the areas of design, development, production, engineering, sales and service. Everything under one roof at our Swiss location. Everything from a single source for customers in Europe, North Africa and the Middle East.

**We set standards for you: Our headquarters in Oberbüren, Switzerland, where our products are delivered to over 40 countries.**



Products and solutions which comply with your most stringent requirements as regards forward-looking and lasting electro-acoustics are produced on our premises. This is because we never stand still. All products and services in our company are optimised, adapted and further-developed continuously. All staff are committed passionately and inventively to your project.

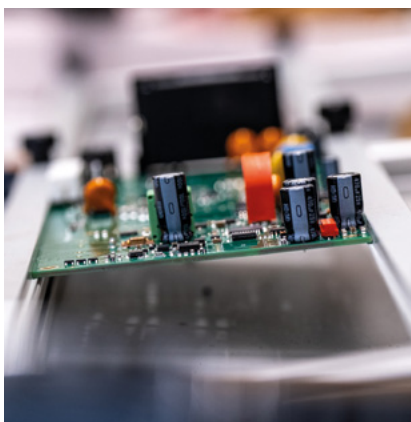
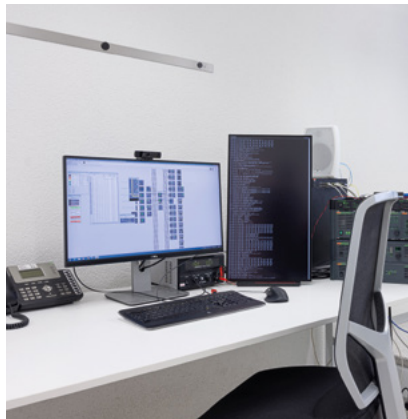
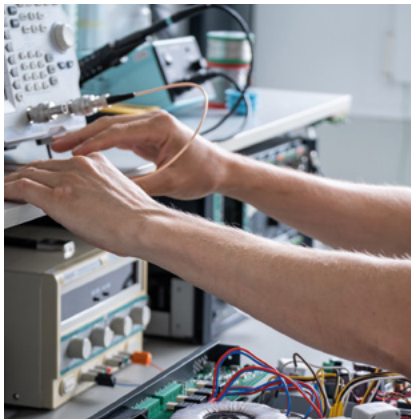
All our employees are responsive for you and support you with their specialized knowledge. The entire staff puts emphasis on the g+m quality which has made our products so successful. Using our specially developed, stringent quality assurance programme, we thoroughly test every single component of the complete system. This results in products which operate in day-to-day use – guaranteed.

# Competent

Your wishes are in the very best hands with our engineers and technicians. With their expertise in the sectors of industrial electronics, networking technology, electro-acoustics and studio engineering, they form a perfectly coordinated team to solve challenges in a practical way.

Every one of them is an expert in his field who continually further-develops himself by exchanging knowledge and opinions with each other. Technology isn't everything: We deal in-depth and sensitively with the impact of sounds and living language in order to be able to get a grasp of the relevant task.

Developments from our company are characterised by reliability, feasibility and easy operability. By doing this, we commit ourselves to your project and include the relevant situation on site in to our processes. State-of-the-art technologies inspire our entire team and, in turn, we inspire you with our products. We discuss, analyse, test – and quickly implement in close contact with you.



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, EN 54-16, EN 54-17, EN 54-24, NEN 2575 and BS 5839.



gm-elektronik.swiss

APS-9000 | APS-AUDIO PROCESSOR SYSTEM



- POWER ON
- FAULT
- SYSTEM FAULT
- READY
- POWER FAULT
- 100 V AUDIO FAULT
- INDICATOR TEST
- FAULT RESET
- SILENCE BUZZER



FRE - 03.12.2021  
14:56:19 YRTC



- OK
- 1 ERROR
- 2 SYNC
- 3 BUS
- 4 CLOCK
- 5
- 6
- 7
- 8
- CIRCUIT
- SD-CARD

APS-57.1

APS-64

Zone 1

Zone 2

Zone 3

Zone 4

VOLUME



APS-AUDIO PROCESSOR SYSTEM

BO-CD-200-4

0 dB

FAULT ON

SELECT

CH1

CH2

CH3

CH4

DATA

01

DIGITAL AMPLIFIER CLASS-D







- 006
- 004
- 001
- 002
- 003
- 005
- 007
- 008
- 010
- 012
- 014
- 015
- 016
- 211

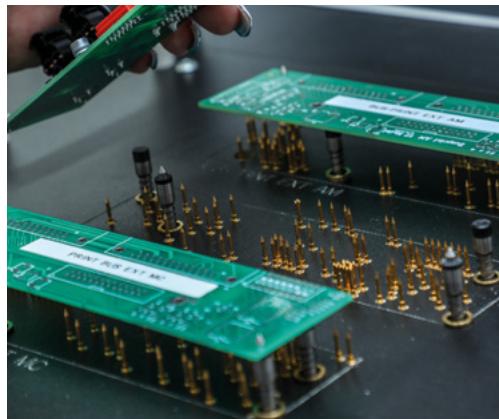
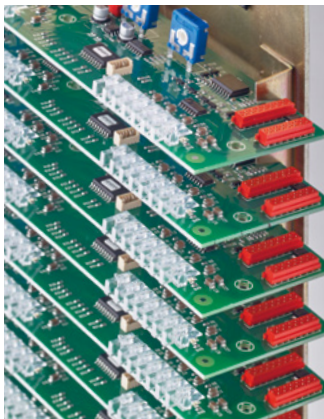


# Productive

Everything that bears the brand name of g+m elektronik is "Swiss Made". This means that all products are developed on our premises and manufactured in-house with quality components from regional suppliers.

Our state-of-the-art SMD production, aimed at lot sizes, and testing centres with differing technologies guarantee a constantly high product quality.

Our processes are certified to ISO 9001 and are subject to the internal, strict quality assurance system. This allows us to further-develop the product design at any time. As required by the needs of the market. This means that we are always one step ahead.



# High-performance

## Voice Alarm System

A safe feeling. It is always necessary where a lot of people congregate. In a shopping mall, in a school or in any other public building. Studies prove that voice instructions in danger situations can evacuate persons from a building up to 40 percent more quickly than using sirens or simple fire alarms.

This is the basis of our voice alarm systems: They allow quick and coordinated evacuation in order to protect human life and start rescue measures. Our voice alarm systems can also be linked to existing fire alarm systems (VACIE). This represents an optimum combination of danger detection and targeted evacuation.

During day-to-day operation, our electro-acoustic systems can also be used for background music.



## Clock systems

Everything keeps very precise time with us: This also applies especially to our GPS and DCF-controlled analogue or digital slave clocks. Networked via cable-based bus systems or radio-controlled, depending on requirements. We offer you a broad selection of various sizes and colours. In addition to indicating the time, electronically controlled signals such as break gong or flashing lights can be activated.







### Speakers

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.



### Multimedia

Extremely well-equipped for the multimedia future: APS®-controlled announcement systems allow interworking of multimedia solutions with touch-screen controls for controlling and monitoring video and beamer systems through to shutter-blind control.





# Service-orientated

We are there for you. From planning through to installation. And beyond. Regardless of the task you set us, your personal g+m project manager will advise you on site with technical expertise: For a voice alarm system in a public building or in a production facility, for a security concept in a shopping mall. Or for a PA study of acoustically demanding premises, such as a church or a tunnel. Or for a media control system in a communal hall or a lecture theatre.

In line with the requirements of your project, our specialists conduct inte-

gral tests for you and perform acoustic measurements for voice intelligibility on site. Once installed and commissioned, we have a servicing and maintenance concept to guarantee that our installations and security systems function faultlessly over and beyond the entire service life.

Our regional bases in Switzerland, our subsidiaries in Germany, France and the Netherlands and foreign representations at further sites in Europe and in the Middle East offer you comprehensive services. Always very near to you.



# References

Our solutions are at home in public buildings, churches, hospitals, sports stadia, hotels, universities, mountain railways, oil drilling rigs and many other facilities, as witnessed by our extensive list of references. From St. Moritz to Cairo, from Oslo to Madrid. And we would soon like to be on your premises too.

SHOPPING	Nakheel Mall, VAE-Dubai   IKEA, SRB-Belgrade   Carefour Market, QAT-Qatar Mall of Switzerland, CHE-Ebikon   Arkadia Mall, POL-Warsaw
CATERING	IBIS Hotel VAE-Dubai   Kempinski Palace, CHE-Engelberg Hilton Hotel, SRB-Belgrade   Hotel Marriott Courtyard, ROU-Bucharest
PUBLIC TRANSPORT	Metro Station, TUR-Istanbul   Bus Station, QAT-Qatar   Metro, ISR-Tel Aviv Jungfraubahn, CHE-Interlaken   New Rail Link through the Alps (NRLA), CHE
PUBLIC BUILDINGS	National Museum, SRB-Belgrade   Police headquarters, DEU-Offenbach Police and Justice Centre, CHE-Zurich   Musée de l'Homme, FRA-Paris
COMPANY BUILDINGS	National Bank, EGY-Cairo   Credit Suisse Paradeplatz, CHE-Zurich Lonza, CHE-Visp   Philip Morris International, CHE-Lausanne
CHURCHES	Cerro de los Ángeles, ESP-Getafe (Madrid)   Mosque, NLD-Amsterdam Monastery "Our Lady of Guadalupe", ESP-Guadaloupe
SCHOOLS & UNIVERSITIES	ZHAW Zurich University of Applied Sciences, CHE-Winterthur Electrical School, QAT-Qatar   University, CHE-Zurich
SPORTS CENTRES	Ahoy Sportpaleis, NLD-Rotterdam   Sports hall Tellenfeld, CHE-Amriswil Nuova Valascia (HC Ambri-Piotta), CHE-Quinto   Tech. University, NLD-Delft
HOSPITALS	NHL National Health Laboratory, QAT-Qatar   Klinikum, DEU-Fulda University Hospital, CHE-Zurich   Children's Cancer Hospital, EGY-Tanta





Acoustics | Clocks | Evacuation



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