Intelligent acoustics

Clear the stage for a unique range of modules from g+m elektronik ag! With the ARIA family you will experience sound in the right dimension.

The intelligent audio system can be adjusted at the touch of a button to the dimensions of the space or size of the audience. A valuable enhancement especially in flexible halls. With every ARIA module you can digitally control four independent channels with DSP functions such as dynamics, delay, equalizer and volume. Saved settings can be retrieved at any time.

Surround sound perfection.

International Partners:
https://www.gm-elektronik.swiss/en/gm-subsidiariesagents

gm-elektronik.swiss

Virtuoso

APS®-ARIA family – the modular range for audio experiences in every dimension

swiss made **g+m elektronik ag**

APS®–ARIA family

PERFECTED ADAPTABILITY WITH **A**DVANCED **R**EFINEMENT OF **I**NTELLIGENT **A**COUSTICS

THE MODULAR RANGE FOR THE APS®-APROSYS SYSTEM

INPUT MODULE APS-11-4

The 4-channel DSP input module has four line or microphone input channels.
Each respective microphone can be easaily adjusted by means of defined parameters. Preamplification and volume can be individually controlled using the buttons and rotary knob.

For churches, gyms and halls

SYSTEM MODULE APS-46.1-EQ-RC

The APS-46.1-EQ-RC ARIA system module enables you to perfectly adapt your audio equipment to the prevailing acoustic conditions and number of listeners. Halls which can be subdivided can have separately configured sound systems in each space.

For churches, gyms, halls, conference rooms and shopping centres

OUTPUT MODULE APS-33-4

You can connect up to eight 4-channel DSP output modules per APS® system. It is possible to set two different volume levels for speech and music on each of the module's four independent output channels.
A quadruple digital delay of 4 × 0.5 seconds is available as an optional add-on.

For large spaces (cathedrals), tunnels and railway stations

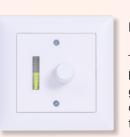**DIGITAL AMPLIFIER BO-CD-100-4-EV**

The EV version of this digital compact multiple amplifier is the ideal solution for voice evacuation systems compliant with EN 54-16 in complex spatial environments.This is made possible through innovative DSP technology.

The digital 4-channel DSP amplifier has 4 independent output channels, each of which can be preset to two different volume levels for speech and music.

For churches, shopping centres and conference rooms

REMOTE CONTROL UNITS

Easy operation of complex systems. Up to 15 remote control modules can be connected via a cable with a maximum length of 250 m. You can allocate up to 255 functions (sectors) to the buttons and IOs. The digital volume controllers can be allocated either singly or to a maximum of seven groups.

REMOTE CONTROL MODULE GM-7420

The volume remote control allows you to operate either seven groups or four channels. The volume of groups of microphones or sections of the audience can be easily adjusted via the respective volume controllers.

REMOTE CONTROL MODULE GM-7421

The 4-button configurable module is available in various finishes, e.g. Edizio or Gira.
It is possible to connect two inputs and outputs respectively on the back of the module.

The four individually configurable buttons and IOs can be used for other functions such as:
• selection of music programme
• selection of input channels, e.g. microphone or music sources
• configuring delays or equalizers
• controlling other devices e.g. door openening systems

MEDIA CONTROL INTERFACE GM-7429 BRIDGE

Professional systems frequently rely on RS232 interfaces for their media control systems. The complex functions of the APS® system, such as volume or control contacts, can be initiated via the module's media control system.
The GM-7429-BRIDGE connects the media control system and the RC16 system bus.

MAXIMUM FUNCTIONALITY

Every module in our ARIA family offers a comprehensive package of top features for professional use in demanding acoustic environments. Suitable for applications in shopping centres, catering, offices, churches, schools and universities, sports centres, hospitals and care homes.

EVERY ARIA MODULE IS EQUIPPED WITH THE FOLLOWING FUNCTIONS:

Functions
· **Delay:** Adjustable delay up to 122 ms – for distances up to 40 m.
· **Option Long Delay (LD):** Up to 14.5 seconds delay – this correspond a distance of about 4.8 km.
· **Level:** 2 different adjustable volume levels.
· **Equalizer:** Emphasises or attenuates certain frequencies, e.g. to increase intelligibility or to suppress unwanted frequencies.
· **Dynamics:** Increases quiet sounds, suppresses signal noise, compresses, limits sound levels.

Channels
The functions can be processed on 4 independent channels simultaneously.

16 Presets
All audio functions can be saved and retrieved again in an instant. The settings can be saved as a template and re-used for new projects.

Module Handling
Settings can be conveniently saved and retrieved in DSP.

Live Modus
The settings can be auditioned and adjusted in real time.

High-pass filter
The high-pass filter can reduce the load on amplifiers and audio transformers.

Individual sound modelling
Frequency ranges can be individually increased or attenuated (adjusted according to the space or personal equalizer preferences).

Remote Control
Remote volume control via RC16 interface on the rear panel. The interface is suitable for other remote controls (Crestron etc.).

Shadow Volume
Separate volume setting for example for announcements (switchable).

Configuration
To operate the APS-46.1-XX an APS-990-EQ module is required.

Rear panel outputs (APS-46.1-XX/APS-33-4)
On the rear panel there are 4 symmetrical 0 dB outputs for amplifiers which can be used for example the control of various zones.