Acoustics | Clocks | Evacuation

swiss made gm elektronik ag

Sonorous

Ascolto® – Digital line arrays

Excellent intelligibility

Our digital line arrays lines meet all the criteria for the best sound and the highest speech intelligibility. Perfectly adaptable even in the most acoustically difficult environments.

AH Serie

It is featured by a refine and superior sound thanks to its well selected 3.5 inch neodymium loudspeakers that enhance the purity of the music and of the speech. The AH series is unique for its acoustic directivity, extremely selective and capable of reaching deep space. The series AH is particularly suitable to ensure an extended coverage in large environments, such as churches with long aisles, cathedrals, basilicas and in general where it needs simultaneously a very incisive beam and a bright tone.

Ascolto® digital line arrays

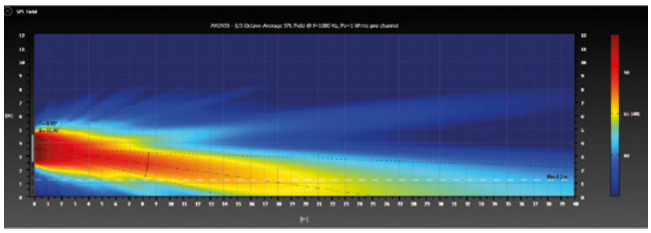
- Enhance the quality of the sound
- improve environment with acoustically difficult characteristics
- Focus the sound energy directly to the public, minimizing the effects of the sound reflections of the ceiling and the side walls
- Fulfill all aesthetic and architectural requirements
- Distribute capably audio in cathedrals, churches, mosques, theaters, auditoriums, airports, railway stations and in general everywhere it is necessary acoustic precision and reliability

Elegant and unobtrusive:
The right design for
any environments.

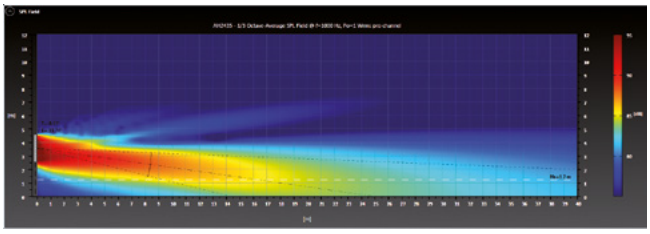
SUPERIOR TECHNOLOGY

The digitally controlled line arrays Ascolto® are equipped with high-quality neodymium loudspeakers, capable to spread perfectly voice as well as sound instruments. They can handle higher power applications, delivering great tone at any volume levels.

They are the only digitally speakers among competitors which possess the innovative Anti Reverberation System ARS®, capable of increasing the voice intelligibility in reverberant environments. ARS® conveys uniformly acoustic energy on the lower part of the audio beam and reduce drastically the audio emission upwards, attenuating significantly the acoustic reflections related to ceilings.



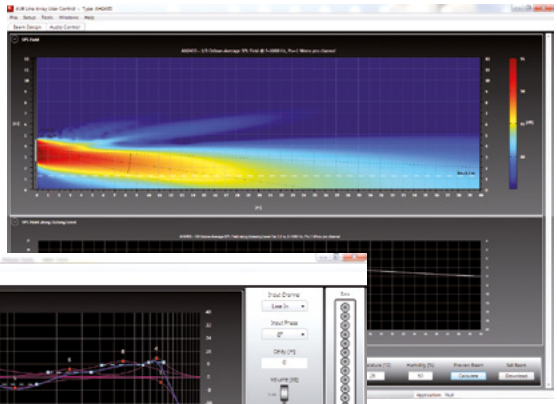
ARS off

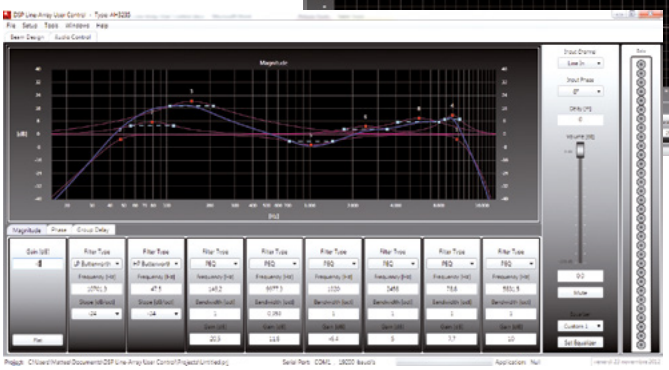


ARS on

FOR BEST PERFORMANCE

The line array User Control® is a sophisticated software application that uses a complex proprietary algorithm to calculate accurately SPL distribution of Ascolto® digital line arrays from their EASE® models. It allows the user to select the appropriate dispersion pattern and transfer aiming and filtering parameters to the digital line array through the dedicated network.

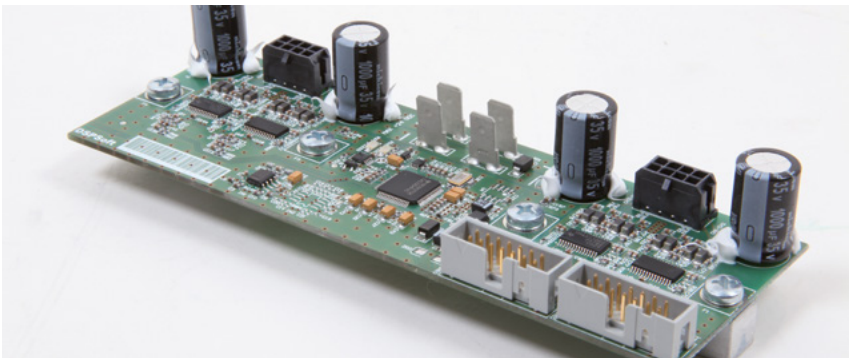




The line array User Control® software provides a complete interface for control all line array functions.

TECHNICAL DATA

Each Ascolto® digital line array contains a set of custom designed, fully programmable 135 MHz, 48 bit DSPs where high precision 76 bit accumulators ensure the bit resolution for a total quality in digital audio processing such as beam filtering and audio equalization.



The line arrays are equipped with excellent THD + N amplifier units, fully protected against output short circuit and over temperature. A pop-free version is integrated.

Type	Audiopower (Speaker × W RMS)	Bandwith (± 3 dB)	Horizontal Coverage (-6 dB, Ø 1 kHz ±4 kHz)	Vertical Coverage (DSP adjustable)	Throw (Standard – Maximal)	Dimensions (H × W × D)
AH0835	8 × 35 W RMS	80 Hz – 20 kHz	130°	26–40°	15–25 m	1050 × 116 × 121 mm
AH1635	16 × 35 W RMS	80 Hz – 20 kHz	130°	18–40°	20–25 m	1780 × 116 × 121 mm
AH2435	24 × 35 W RMS	80 Hz – 20 kHz	130°	12–40°	25–30 m	2486 × 116 × 121 mm
AH3235	32 × 35 W RMS	80 Hz – 20 kHz	130°	9–40°	30–35 m	3204 × 116 × 121 mm
AH4035	40 × 35 W RMS	80 Hz – 20 kHz	130°	8–40°	35–40 m	4266 × 116 × 121 mm
AH4835	48 × 35 W RMS	80 Hz – 20 kHz	130°	7–40°	40–45 m	4972 × 116 × 121 mm
AH5635	56 × 35 W RMS	80 Hz – 20 kHz	130°	6–40°	45–50 m	5690 × 116 × 121 mm
AH6435	64 × 35 W RMS	80 Hz – 20 kHz	130°	5–40°	50–55 m	6408 × 116 × 121 mm

EASY TO CONTROL

The Infrared Remote Control IRC lets you control the configuration settings – even then, if a host computer is not available.

LINE 100 VOLT

Compatible with existing audio networks

All our digital line arrays have a auxiliary audio input at 100 V level beside the primary line input. Thus, a digital line array Ascolto® can be integrated and connected into an existing speaker line network.