

ALM 24.4

Digital steerable active column speaker

System-overview:



Digital steerable active Column-Speaker

AIMLINE consists of a family of active 2-way-column-speakers. Each model is built as a true 2-way-fullrange-system with 3,5"-fullrange-speaker for low-mid and ribbon-tweeters for the high-frequencies.

Each of these components is driven by a separate digital amp with its own digital signal processor.

This technology gives the benefit of being able to aim the acoustical energy up and down the room. This avoids energy waves hitting any walls, windows, glass and other hard surfaces resulting in unwanted reflections:

AIMLINE the sound to the audience!

The internal digital signal processor also enables a compressor, a gate, a 10-band-parametric equalizer and a delay to be placed into the audio-input path. With simple Windows-software every parameter can be set in real-time. All speakers are recognized within a network.

Thanks to its very small and unobtrusive enclosure the AIMLINE-Speaker is a fit for most architecturally sensitive environment including museums, churches, conference-rooms and many more challenging spaces and environments.

To connect an AIMLINE-Speaker only a network-CAT-5-cable is necessary for audio and control-data. This will minimize installation- and cable-costs.

AIMLINE-Speakers can be ordered in any RAL-Colour to match the environment.

AIMLINE-Speaker are completely built in Europe.

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Technical Data:

Configuration:	2-Way-fullrange-System 24 x 3,5" neodym-chassis 4 x HF-Magnetostats
Amplifier output:	16 x Class-D-amplifier, 16 x 50 Watt
DSP-Channels:	16 -channel -DSP
Dispersion horizontal:	130° (-6dB@1kHz-8kHz)
Dispersion vertical:	5° to 15° (digitally variable with Windows-software)
Frequency-Range:	90Hz – 18 kHz
Typical Throw:	45 m
Focus-Distance:	5 to 70 m
Sound-Pressure:	92dBA (pink noise / 25 m) 98dB SPL-Peak / 25 m
Audio-Input:	Input 1: 0 dB Line-Level / XLR through USB-Interface Input 2: 0 dB-Line-Level through connector in the column
Input-Level:	-20dB to +6dB
Input-Limiter:	-40dB to +6dB , Slow/Normal/Fast, adjustable
Delay:	up to 170 meters
Noise-Gate:	(Level/Attack/Release) -90db/-3dB(300us-5000us)(1ms-3000ms)
Parametric equalizer:	20-20kHz/-20+12dB/0.05-3db(oct)
Harmonic distortion:	> 0,1%
Power consumption:	min: 20VA, max 200VA
Protection circuits:	Limiter, short circuit, overheat, overload, softstart, subsonic
Temperature range:	-5° bis +40°
Enclosure:	Aluminium, powder coated
Weight:	11 kg
Dimensions:	H-3468 x W-105 x D-111 (mm)