ALX 4 DANTE®

Digital steerable active column speaker

Main features:

- DANTE®-in- and out
- 4”-chassis with fiberglass-membrane
- Strong SPL
- Analogue and AES/EBU inputs
- 10 Band parametric EQ with IIR filter
- FIR filter import
- Networking over IP-protocol
- 24 internal presets
- Preset switch with UDP commands

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System-overview:

Digital steerable active Column-Speaker with DANTE®-Input

A separate digital amp with its own digital signal processor drives each of the components.
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 by their IP-address.
ALX-cabinets can be fully monitored for surveillance-issues.

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.

With its two-channel DANTE®-input integration into existing IP-networks as well as a direct integration to other DANTE®-enabled products is simple.

The ALX-series will be built in a version for the installation-market as well as in a version for rental-market.

AIMLINE-speaker can be ordered in any RAL-Colour to match the environment.
AIMLINE ALX speaker are completely built in Germany.

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Technical Data:

Configuration:	Digital steerable column speaker with analogue and digital inputs, fullrange
Assembly:	4 x 4" neodym-chassis
Amplifier output:	Digital PWM, 4 x 65W
DSP-Channels:	4 channel DSP
Audio-Input:	2 channel DANTE® 2 channel analogue line with automatic priority 2 channel AES/EBU
Delay:	up to 500ms for each input
Latency:	1,8ms
IIR filter:	10 Bd full parametric IIR for each input
FIR filter:	FIR filter import for each input
Dynamic EQ:	For each input
Presets:	24, internal storage
GPIO:	2
Dispersion horizontal:	120° (-6dB@1kHz-8kHz)
Dispersion vertical:	5° to 40° (continuously digitally variable
Elevation angle:	-40° - +40° digitally variable
Lowest controllable Frequency:	800Hz
Movable acoustical center:	-/+ 100%
Frequency-Range:	100Hz – 18 kHz
Typical Throw:	10 m
Sound-Pressure:	95dB @30m
Software:	PANC (Windows)
Network:	IP based network, free configurable
Control:	UDP commands
Control LED:	Front LED (disengageable)
Cooling system:	Passive
Temperature range:	-5° - 40° C
Power supply:	World wide 94V – 264V
Colour:	Standard RAL 9016, any RAL colour optional
Enclosure:	Aluminium, powder coated
Weight:	4kg
Dimensions:	H-405 x W-120 x D-151 (mm)