

Uniline Max

Line Array speaker

3 acoustic ways
2 x 10" Neodymium Low/Mid drivers
1 x 6,5" Neodymium / HF 1"

Features

Constant horizontal directivity
Constant vertical directivity
Exceptional acoustical and mechanical modularity
Integrated, intuitive and quick rigging system

Applications

Compact, medium and high power sound system
High definitions sound reinforcement
Medium to long throw application

Specifications

48 Hz - 20 kHz @ -10dB
142 dB SPL Max @ 1m
100° x 10°
800 W / 300 W AES - 8 Ohms

Bi-amplified operation

The new Uniline Max line array system has been designed to provide sound reinforcement for indoor and outdoor concerts and events for up to 8000 people. Its acoustic design is based on APG's 40 years of experience in both diffraction treatment and coaxial mounting, enabling, faithful, powerful reproduction of voice and music. With Uniline Max, APG brings to the events market an ergonomic system designed for easy handling in all configurations. Each speaker's integrated suspension system enables traditional tension mounting, as well as compression or stack mounting. The system's ergonomic design makes it suitable for all types of stage and hall architecture.

UM210

Preliminary data



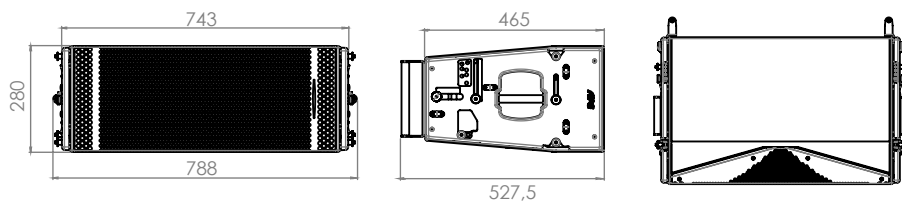
UM210 Line Array Speaker

The Uniline Max system consists of the UM210 full-range loudspeaker. This line-array loudspeaker has features adapted to the architecture of concert halls or outdoor stage configurations. On UM210, low frequencies are reproduced by 2 x 10" drivers positioned behind a radiation-optimization piece whose purpose is threefold: it creates load on the woofers thus increasing their efficiency and, optimizes low-frequency coupling between the various speakers which compose the line. In addition, it act as a horn expansion for mid and high frequencies and its BEM calculated shape ensure a minimal diffraction effect for these frequencies. Midrange and high frequencies sections are handled by a coaxial assembly consisting of two separated drivers. A 6,5" loudspeaker mid range unit at the bottom of which a 1" exit (2" coil) compression driver is fitted. The electro-acoustic assembly is loaded by an innovative patent pending phase alignment device, SIGMA, which optimizes the radiation pattern and the coupling between adjacent enclosures.

APG

UM210

Technical specifications



Features

	UM210	
	lo/mid	mid/hi
Description	Line array speaker	
Usable bandwidth (\pm 10 dB)	48 Hz - 20 kHz	
SPL max @ 1m	142 dB SPL (1)	
Nominal directivity ($H^\circ \times V^\circ$)	100° x 10° (2)	
Nominal impedance	8 ohm	

Components

Transducers	2 x 10" ND 1 x 6,5" ND / HF 1"	
Topology	Line Source	
Type of load	-	
Way and amplification section	3 way, bi-amplified	

Power

AES	800 W	300 W (3)
Maximum power handling	1600 W	600 W (4)

Construction

Cabinet / Painting	15 mm Finnish Birch plywood / Black impact resistant aquarethane	
Dimensions H, L, P (mm)	11" x 31" x 20,7" (280 x 788 x 527,5 mm)	
Weight (kg)	77 lb (35 kg)	
Connectors	2 x Speakon NL4MP (5)	
Handles	4 out handle	
Front face	Acoustically transparent perforated steel, 5 mm acoustic foam	
Fittings	-	
Color	Black RAL 9005	
IP	43	

Options & Accessories

UMTRUSS	Bumper for Uniline Max rigging
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Electronics

Electronic racks	Unirack / Tourack
Amplifiers	DA8, DA12

- (1) Peak level @ 1m AES2-2012 2msr using 12dB crest factor pink noise with APG preset
- (2) Nominal directivity @-6dB
- (3) Continuous power according to AES2-2012 in DCR
- (4) Peak power according to AES2-2012 in DCR
- (5) SPEAKON connectors are wired hot pin 1+, cold pin1- (2+ and 2- are not connected)

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APG has a policy of research and development aimed at improving its products. As such, new materials, manufacturing methods and changes in principle can be introduced without prior warning. As a result, an APG product may differ in some aspects to its published description. However, unless otherwise indicated, measurements and features will only exceed previously published data.

5 YEARS WARRANTY "A five years warranty covers passive filters, transducers and compression drivers. The warranty does not cover cosmetic damages and damages due to misuse, improper installation, or damages caused by alterations.

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