

# Uniline Max

## Line array speaker

3 acoustic ways / bi-amp  
2 x 10" Neodymium  
1 x 6,5" Neodymium / HF 1"

## Features

Constant horizontal directivity  
High acoustic throw capability  
Integrated intuitive mounting system

## Applications

High-precision sound diffusion  
Medium/long-range coverage  
Medium and high-power sound reinforcement

## Specifications

48 Hz - 20 kHz @ -10dB  
142 dB SPL Max @ 1m  
100° x 10°  
8 Ohms

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



Line array speaker UM210

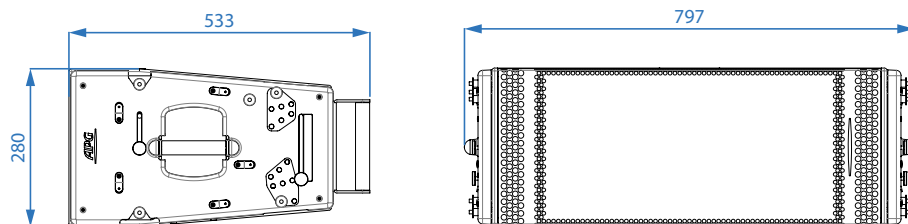
The UM210 "line array" speaker integrates 3 acoustic ways and operates in bi-amplification. The low-mid section includes two 10" drivers. This line-array loudspeaker is equipped with features tailored to the architecture of concert halls or outdoor stage configurations. On UM210, the low frequencies are reproduced by two 10-inch drivers positioned behind a radiation optimization component that serves three functions: it creates a load on the woofers, thereby increasing their efficiency; it optimizes low-frequency coupling between the different speakers which compose the line. Additionally, it acts as a horn expansion for mid and high frequencies, and its shape, calculated using BEM, ensures minimal diffraction effects for these frequencies.

The mid and high-frequency sections are handled by a coaxial assembly composed of two separate drivers. A 6.5-inch midrange speaker with a 1-inch compression driver (2-inch coil) mounted at its base. The electro-acoustic assembly is loaded by an innovative phase alignment device named SIGMA, which is patent-pending and optimizes the radiation pattern and coupling between adjacent speakers.

# APG

# UM210

## Technical specifications



### Features

	UM210
Description	Line source loudspeaker
Usable bandwidth ( $\pm 10$ dB)	48 Hz - 20 kHz
SPL max @1m	142 dB SPL <sup>(1)</sup>
Nominal directivity (H° x V°)	100° x 10° <sup>(2)</sup>
Nominal impedance	8 ohms

### Components

Transducers	2 x 10" Neodymium 1 x 6,5" Neodymium / HF 1"
Topology	Line Source
Ways and amplification sections	3 ways, bi-amplified

### Amplification

Maximum amount of speakers per amplifier DA8 :	4
Maximum amount of speakers per amplifier DA12 :	6

### Construction

Cabinet / Painting	Baltic birch plywood / HPU coating with high impact and weather resistance
Dimensions H,W,D	280 x 797 x 533 mm
Weight	42 kg
Connectors	2 x Speakon NL4MP
Handles	4
Front face	Perforated steel, 5mm acoustically transparent foam
Color	Black RAL 9005
IP	56

### Options and accessories

UMTRUSS	Truss for Uniline Max rigging
UMRAIL	Light lifting / pullback truss for Uniline Max
UMSTACK	Light stacking accessory - Compatible with UM121 and UC118i
UM210D4	Transport cart for 4x UM210
UM210SCH4	Weatherproof cover for UM210D4 cart

### Electronics

Amplifiers	DA8, DA12
UNIRACK	Touring amplifier rack for 1x DA8 or 1x DA12
TOURACK	Touring amplifier rack for 2x DA8 or 2x DA12

(1) Peak level @ 1m, using 12dB crestfactor pink noise with APG preset

(2) Nominal directivity @-6dB

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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.

**APG**

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