

## Uniline Series

### Line Array Compact Speaker - Wide coverage

Three acoustic ways  
2 x 6.5" Neodymium Low/Mid cone drivers  
(w/1.5" voice coil)  
5" MF + 0.5" HF Neodymium, coaxial drivers

### Features

Very compact wide coverage modular line array enclosure  
Constant horizontal directivity of 105°  
Integrated, intuitive and quick rigging system

### Applications

Short to medium throw sound reinforcement  
Front fill and Downfill speaker for UL206N line array  
Full range line array for vocal and background music  
Distributed FOH or immersive sound system

### System Specifications

65 Hz - 19 kHz (wide band mode)  
Lo/Mid : 300 W AES  
Mid/Hi : 80 W AES  
Max peak SPL@1m : 126 dB  
Dimensions : 8,3"x21,3"x14,2" (210x540x360 mm)

Bi-amplified operation  
APG digital processing mandatory  
LF reinforcement with optional UC115B  
VLF reinforcement with 18" subs (optional)

The UC206W Uniline Compact line array incorporates 3-way acoustic design. The Lo/Mid section is fitted with two 6.5" cone drivers loaded in compression and optimized for low frequency reproduction. Mid/Hi coherency comes from coaxial device fitted with 5" / HF 0.5" Neodymium drivers loaded by an Isotop15™ waveguide.

This Isotop™ load employs an active annular horn and iso-phase plug to achieve acoustic impedance adaptation and performance comparable to traditional compression drivers, but with greatly increased bandwidth and power handling. Twin 6.5" loudspeakers serve Lo/Mid bandwidth between 80 Hz and 450 Hz. The mid-range 5" speaker displays ultra-low distortion and extends from 450 Hz to 5KHz. The 0.5" HF driver operates smoothly from 5 KHz to 19 KHz. Directivity control, compression, transducer phase alignment and protection are all established through the UC206's advanced acoustic horn.

The mechanical system is totally captive and allows use of Uniline Compact either rigged or stacked. UC115B enclosure is the optional dedicated low frequency enclosure that offers specific ergonomics for cardioids LF pattern control and rigging. APG subwoofers allow infra bass extension. Use of an APG digital processor is required.

# UC206W

## Preliminary Data



UC206W Line Array Speaker

The Uniline Compact is a modular line array system composed of 3 elements: UC206N, UC206W and UC115B. Thanks to its acoustic and mechanical modularity, it can cover an extended field of applications, coverage and throw. The APG Uniline Compact UC206W line array element specifically offers a wide horizontal coverage and constant directivity across the whole spectrum. Fast and accurate inter-enclosure rigging system provides one-degree steps angle adjustment from 0° to 15°.

UC206W can be integrated as a main stereo FOH system for wide areas, providing extended stereo imaging thru the audience. It can also be used as a frontfill speaker or a downfill with a main UC206N/UC115B cluster, distributed sound system like central cluster with Uniline, front fills, out fills and support delay lines, and it also integrates very well in an immersive sound design.

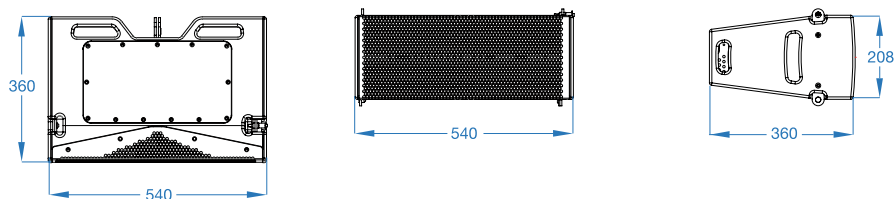
UC206W and UC206N share the same technologies and components; the only difference is the shape of the front horn and the resulting horizontal dispersion.

Uniline Compact modular line array is a versatile solution for a wide range of applications, indoor or outdoor, from vocal PA, sports, corporate, theatre to live music events. It provides high dynamic and sonic performance in a very compact, lightweight and visually discreet format, easy to use professional tool thanks to its advanced ergonomics.

# APG

# UC206W

## Technical specifications



### Features

### UC206W

	lo/mid	mid/hi
Frequency response, 2 way (1)	65 - 600 Hz	0,6-19 kHz
Frequency response, 3 way (1)	{80 - 120} - 600 Hz	0,6-19 kHz
Frequency response, 4 way (1)	{80 - 120} - 600 Hz	0,6-19 kHz
Efficiency 1W @ 1m	99 dB SPL	101 dB SPL
Max level @ 1m	120 dB SPL	120 dB SPL
Peak level dB SPL @ 1m	126 dB SPL	
Directivity, angles to -6 dB (2)	105 °H (constant F>450 Hz)	105°H (constant) x 15°V (average)
Nominal Impedance	16 Ohm	16 Ohm

### Enclosure Components

Transducers	2 x 6.5"	1x5" Nd / 1xHF 0.5" coaxial
Coil diameters of	38 mm (1.5")	38mm (1,5") / 25mm (1")
Type of load	Bass Reflex	Isotop™ and constant directivity horn

### Power Requirements

Recommended amplifiers (3)	200 à 600 W	60 à 160 W
Peak	900 W	500 W
AES (4)	300 W	80 W

### Construction and characteristics

Cabinet	12 mm plywood birch
Coating	Black, aquarethane, impact-resistant finish
Front grill	2 mm, acoustically transparent
Connectors	2 x Speakon NL4MP (5)
Handles	4 recessed handles
Rigging System	Captive 3-point system, 0° to 15° angulation (1° step)
Dimensions (H, L, W)	8.3" x 21.3" x 14.2" (210 x 540 x 360 mm)
Net weight per enclosure	36 lb (16,5 kg)

### Options et Accessories

UCTRUSS	Versatile steel frame bumper for Uniline Compact rigging / stacking / transition
UCRAIL	Light steel frame rigging bumper for Uniline Compact

### Signal Processing

The dedicated APG processors allow combination of different type of subwoofer with top speakers. These processors provide with active crossover, EQ, speakers protection, standard filtering functions for a stereo system including subwoofers. For digital processors, APG provides an exhausted bank of presets of system configuration allowing creative, quick and secure deployment and offering a high level of stock modularity and compatibility.

(1) In standalone mode, the UC206W low frequency cut-off is approximately 65 Hz but it depends on the number speaker of clusters. In extended mode and in complete mode the frequency crossover is adjustable between 80 Hz and 110 Hz depending on the configuration of the system.

(2) The 105° horizontal directivity is constant from 450 Hz up to high frequencies. In the vertical plane, the index directivity increases (and the acoustic opening decreases) progressively when the frequency grows. By consequence, the vertical coupling is non-interferential up to the high bandwidth. However we can define an 15° average value for the vertical acoustic opening that corresponds to the max angle between 2 speakers.

(3) In order to take full benefit of the dynamic performance, sonic quality and reliability of the speakers, the recommended amplification must at least correspond to the AES rating. Lesser amplification is acceptable for applications requiring less power (near-field, distributed systems...), whilst not being less than half the AES rating.

(4) The AES power handling corresponds to a 2 hour test using weighted pink noise (peak factor of 6dB) through a frequency range of one decade.

(5) The 4 pins SPEAKON connectors are wired 1+, 1- for back input connectors.

**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.

Diffusion : November 2015

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..