

Uniline Compact

UC206N

Line Array compact speaker, narrow coverage

3 acoustic ways

2 x 6.5" Neodymium Low/Mid cone drivers

1 x Isotop15™ (5" Neodymium / HF 1", coaxial drivers

Features

Very compact narrow coverage modular line array enclosure

Constant horizontal directivity of 70°

Integrated, intuitive and quick rigging system

Applications

Medium to long throw sound reinforcement

Main element which can combine with UC206W down fill

Full range line array for vocal and background music

Hi-mid section line array for high SPL live music System

Specifications

55 Hz - 20 kHz @ -10dB

134 dB SPL Max @ 1m

70° x 15°

300 W / 100 W AES - 16 Ohms

Bi-amplified operation

The UC206N 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 coaxial device fitted with 5" and 0.5" Neodymium drivers mounted to 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 80Hz and 450Hz. The mid-range 5" speaker displays ultra-low distortion and extends from 450 Hz to 5 kHz. The 0.5" HF driver operates smoothly from 5 kHz to 20 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 cabinet 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.



UC206N 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 UC206N line array element specifically offers a narrow 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°.

UC206N can be integrated as a main stereo FOH system for narrow areas, providing a high directivity index to reduce side wall reflection, improve critical distance indoor and throw outdoor. It can also be used in combination with UC206W for down fill, UC115B to increase headroom in the lows and low-mids, and APG subwoofers to increase the bandwidth and dynamic in the very low frequency range.

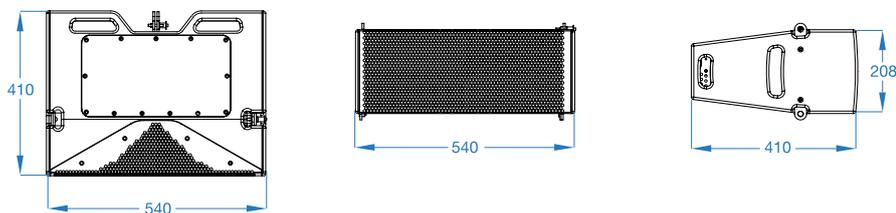
UC206N and UC206W share the same technologies and components; the only difference is the shape of the front horn and the resulting horizontal dispersion.

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

UC206N

Technical specifications



Features

UC206N

| | lo/mid | mid/hi |
|--|---|--------|
| Description | Line array compact speaker, narrow coverage | |
| Usable bandwidth (\pm 10 dB) | 55 Hz - 20 kHz | |
| SPL max @ 1m | 134 dB SPL (1) | |
| Nominal directivity ($H^\circ \times V^\circ$) | 70° x 15° (2) | |
| Nominal impedance | 16 ohm | |

Components

| | | |
|-------------------------------|--|--|
| Transducers | 2 x 6,5" ND with ventilated driver 1 x Isotop15 (5" ND / HF 1") | |
| Topology | Line Source - Isotop / K-Horn | |
| Type of load | Bass Reflex - Line Source / Isotop / Constant directivity | |
| Way and amplification section | 3 way, bi-amplified | |

Power

| | | |
|------------------------|--------|-----------|
| AES | 300 W | 100 W (3) |
| Maximum power handling | 1200 W | 400 W (4) |

Construction

| | |
|-------------------------|--|
| Cabinet / Painting | 15 mm Finnish Birch plywood / Black impact resistant aquarethane |
| Dimensions H, L, P (mm) | 8,2" x 21,2" x 16,1" (210 x 540 x 410 mm) |
| Weight (kg) | 36,3 lb (16,5 kg) |
| Connectors | 2 x Speakon NL4MP (5) |
| Handles | 2 integral cut-out handle |
| Front face | Acoustically transparent perforated steel, 5 mm acoustic foam |
| Fittings | UCSTACK accessories suitable K&M 24821 |
| Color | Black RAL 9005 |
| IP | 43 |

Options & Accessories

| | |
|------------|--|
| UCTRUSS | Versatile steel frame bumper for Uniline Compact rigging / stacking / transition |
| UCRAIL | Light steel frame rigging bumper for Uniline Compact |
| UCSTACK | Stacking part for UC206N/W - 8 speakers max |
| FC2UC206N | Flight Case for 2 x UC206N speakers |
| FC4UC206NV | Flight Case for 4 x UC206N speakers Vertical |
| COL | Specific RAL color option |

Electronics

| | |
|------------|---------------------------|
| Processors | DMS48F, DMS48F_D* |
| Amplifiers | DA8, DA12 / QUATTROCANALI |

D* : Dante Option

- (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.

APG

ARBANE GROUPE - 8 Rue Johannes Gutenberg 44340 BOUGUENAIIS - FRANCE
Tel. : +33 (0)2 40 46 66 64 - e.mail : contact@apg.audio - www.apg.audio

arbane
groupe