Presets Guide

English version
1.8.10
Release 2022-12

arbane
groupe

General information

Presets Guide EN - 1.8.10 Version
2022-12

APG France (Active Audio / Arbane Groupe)
8 Rue Johannes Gutenberg - 44340 Bouguenais- France
Phone: 02.40.46.66.64
www.apg.audio

Release 1.8.10 - 2022-12

Preamble

Important Information - Gain Structure

APG updates its user preset banks in December 2022, which goes to version 1.8.10. The **APG Live Manager** software version changes to version **1.8.10**.
APG presets are officially available for Powersoft **ArmoniaPlus 2.5.0.** software.

Reminders on structure changes inititated since the previous version:

Among the most important changes is the change in sensitivity of the amplifiers (amplifier gain). The **gain is set at +32dB** for the entire range of APG processors and amplifiers. We invite users of UNIRACK / TOURACK and DMS48 / DMS48F / DMS48-D / DMS48F-D / SA20: 2 / SA30: 2 solutions to take care of changing the sensitivity of processors and amplifiers to + 32dB. The active protections in the preset banks have been configured to respect this amplification sensitivity value. **For the external processor platforms such as DMS48, the preset recall must be carried out via APG Live Manager 1.8.10. Preset recall via the front panel of the device is obsolete and should no longer be used.**

Warning! If the processor and the associated amplifier does not have identical sensitivity settings, the connected speakers will no longer be protected. APG cannot be held responsible for any material damage caused by incorrect settings.

The Analog/Digital conversion alignment has been changed to **0dBu** = **-24dBFS**.

Warning! In order to keep the new APG alignment, make sure that the following parameters are entered in the configuration of processors and amplifiers:
- APG Live Manager : AES & DANTE Trim = +4dB
- ArmoniaPlus : 'Reference 0dBFS to:' = 24dBu

Each speaker in the APG range is configured to reach its nominal level of use at **0dBu and offers 8dB of headroom**.

Warning! The relative gains between loudspeakers in the APG range could be changed during this release. Also, we recommend that you recreate your work sessions and pay attention to changes in gain between speakers, especially during Top / Subs connections. You may need to adjust the gain of the speakers in your APG Live Manager session from sessions recorded with previous versions of the software.

Warning! The headroom is guaranteed for a speaker powered by one input. In the case of mono summation of two input channels, the output level will be increased by + 6dB on Powersoft platforms (mono summation is automatically compensated on APG DMS48, DMS48F, DA15: 4, DA50: 4 platforms). To get the same headroom, you will therefore have to adjust the input gain to -6dB.

Warning! To align the APG system with digital mixing desks and to adapt the system with sound engineers habits, it is often necessary to adapt the gain structure using the «TRIM» parameter in APG Live Manager or «Reference 0dBFS to [x] dBu» in ArmoniaPlus (in the case of a digital connection, AES3 or DANTE) or directly modify the input gain parameters of the processors / amplifiers to DSP (in the case of 'an analog connection).

What's new?

- **Improvements of speaker presets.**
- **New SPOT2.6 speaker presets.**
- **Improvement of limiters values of TB115S and TB215S subwoofers.**
- **New UC118i preset with an added 110Hz XOver preset (for SPOT2.6 coupling).**

Reminder of the modifications introduced since the 1.8.9 release:

- Modified and harmonized **gain structure** between the electronic platforms (APG DMS48, APG DA Series, Powersoft Canali Series...).

- **Standardization of the speaker cut-off frequencies** for ease of use.
- Uniline and Uniline Compact:
- Fullrange preset changes to 60Hz LR24: directly compatible with 60Hz subs presets.
- Standardized cut-off frequencies: 60, 80, 110Hz.
- Fullrange mode: UC206 / UL210 = HPF @60Hz
- Extended Mode 1: UC206 x UC115B / UL210 x UL115B = Xover @110Hz
- Extended Mode 2: UC206 x UC118i / UL210 x UL118B = Xover @60Hz or Xover @80Hz (Xover @80Hz increase SPL)
- Full Mode: UC206 x UC115B x UC118i / UL210 x UL115B x UL118B
  110Hz 60Hz 110Hz 60Hz

- All speakers (except Uniline and Uniline Compact) have their low cutoff frequency in 18dB / Octave on the "Fullrange" preset.
This low cutoff frequency changes to Linkwitz-Riley 24dB / octave for the cutoff frequencies 60, 80, 110, 250Hz.

- All the subwoofers have their high cut-off frequency in LR24 (@60, @80, @110Hz) allowing direct compatibility with satellite speakers and Uniline and Uniline Compact systems.

- Creation of a «**System Presets**» bank for Powersoft ArmoniaPlus 2 platforms.

These system presets have been developed to facilitate the operation of simple systems.

Systems Presets are available for APG DA8; DA8AES; DA12; DA12AES amplifiers and for Powersoft Quattrocanali Series installation amplifiers (QC2404DSP; QC2404DSP+; QC2404DSP+D; QC4804DSP; QC4804DSP+; QC4804DSP+D).

The 'Stereo System Preset' is a complete session file to be opened in ArmoniaPlus (".paw3").

Preset nomenclature:

Within this new release, the nomenclature of the presets has been changed to be easier to understand.

Mid / high speakers nomenclature:

FR = FullRange = Wide Band. The low cutoff frequency of the speaker is as low as possible, the HPF type is a Butterworth 18dB / Octave, favoring wideband speaker listening.

WS = With Subwoofer. The low cutoff frequency of the speaker is specified (80, 110, 250). The HPF is a Linkwitz-Riley 24dB / Octave for an optimal subwoofer Xover.

MON = Monitor = Stage monitor. The preset is suitable for the speaker placed on the floor as a stage monitor. Very few corrections are applied to the speaker and latency is minimized.

AR = Array = Preset Line Array designed for an average coupling of 4 to 8 UC206N / W or 6 to 9 UL210 / D. The fullrange low cutoff frequency is @60Hz in Linkwitz-Riley 24dB / Octave for direct coupling with 18» subwoofers.

FI = Fill. Preset designed for a coupling of 1 to 4 UC206N / W. The fullrange low cutoff frequency is 60Hz in Linkwitz-Riley 24dB / Octave for direct coupling with 18 «subwoofers.

DF = Downfill. Preset designed to compensate the low-midrange level in the near field of the line-source, under the Uniline Compact cluster. The fullrange low cutoff frequency is 60Hz in Linkwitz-Riley 24dB / Octave for direct coupling with 18 «subwoofers.

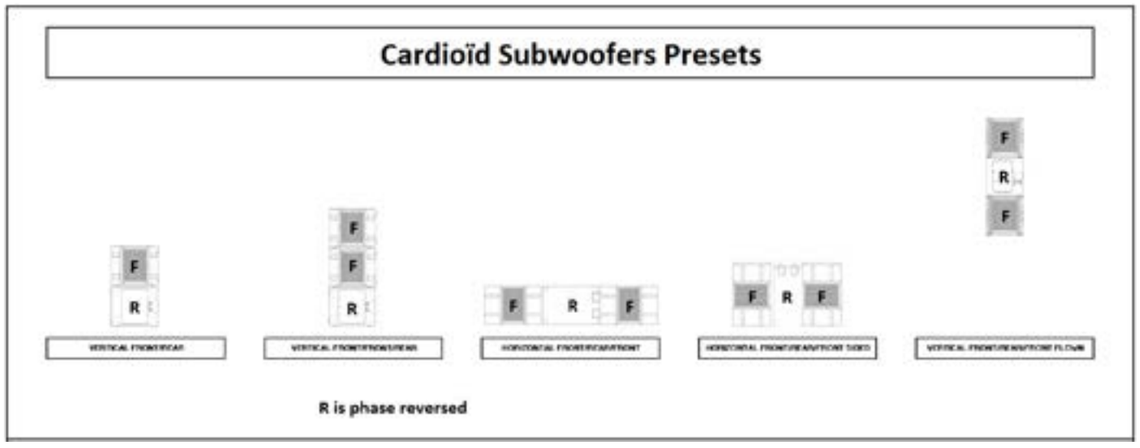
Subwoofer nomenclature:

OM = Omnidirectional. Subwoofer preset with omnidirectional directivity. The high cutoff frequency (Xover) is specified (60, 80, 110). The LPF is a Linkwitz-Riley 24dB / Octave type for optimal coupling with a satellite or line-source speaker.

CD = Cardioid = Preset of subwoofers in cardioid pattern assembly.

The following letters give the type of topology used for the cardioid polar pattern assembly, specifying which subwoofer is returned:

CD-V-FR = Cardioid Vertical Front Rear
CD-V-FFR = Cardioid Vertical Front Front Rear (used for stacked configurations)
CD-V-FRF = Cardioid Vertical Front Rear Front (used for flowned configurations)
CD-H-FRF = Cardioid Horizontal Front Rear Front
CD-H-FRF-S = Cardioid Horizontal Front Rear Front Sided



Speakers Presets

APG Live Manager 1.8.10

The following list shows all the speaker presets embedded in the APG Live Manager 1.8.10 software.

ALM v1.8.10 bank	N°	Preset Name	Application
FLAT	1	FLAT MONO	FLAT Mono Preset
Dispersion Series	2	DX5 FR	DX5 Fullrange - FOH
	3	DX5 110	DX5 Xover=110Hz - FOH
	4	DX5 MON	DX5 Monitor
	5	DX8 FR	DX8 Fullrange - FOH
	6	DX8 110	DX8 Xover=110Hz - FOH
	7	DX8 MON	DX8 Monitor
	8	DX12 FR	DX12 Fullrange - FOH
	9	DX12 110	DX12 Xover=110Hz - FOH
	10	DX12 MON	DX12 Monitor
	11	DX15 FR	DX15 Fullrange - FOH
	12	DX15 80	DX15 Xover=80Hz - FOH
	13	DX15 110	DX15 Xover=110Hz - FOH
	14	DX15 MON	DX15 Monitor
	15	SMX15 FR	SMX15 Fullrange - FOH - Biamp
	16	SMX15 80	SMX15 Xover=80Hz - FOH
	17	SMX15 110	SMX15 Xover=110Hz - FOH
	18	SMX15 MON	SMX15 Monitor - Biamp
iX Series	19	iX5 FR	iX5 Fullrange - FOH
	20	iX5 110	iX5 Xover=110Hz - FOH
	21	iX6 FR	iX6 Fullrange - FOH
	22	iX6 110	iX6 Xover=110Hz - FOH
	23	iX8 FR	iX8 Fullrange - FOH
	24	iX8 110	iX8 Xover=110Hz - FOH
	25	iX12 FR	iX12 Fullrange - FOH
	26	iX12 80	iX12 Xover=80Hz - FOH
	27	iX12 110	iX12 Xover=110Hz - FOH
	28	iX15 FR	iX15 Fullrange - FOH
	29	iX15 80	iX15 Xover=80Hz - FOH
	30	iX15 110	iX15 Xover=110Hz - FOH

SPOT Series	31	SPOT2.6-4 FR	SPOT2.6 - 4Ohm version - Fullrange - FOH
	32	SPOT2.6-4 80	SPOT2.6 - 4Ohm version - Xover=80Hz - FOH
	33	SPOT2.6-4 110	SPOT2.6 - 4Ohm version - Xover=110Hz - FOH
	34	SPOT2.6-16 FR	SPOT2.6 - 16Ohm version - Fullrange - FOH
	35	SPOT2.6-16 80	SPOT2.6 - 16Ohm version - Xover=80Hz - FOH
	36	SPOT2.6-16 110	SPOT2.6 - 16Ohm version - Xover=110Hz - FOH
MC Series	37	MCx FR	MC2 Fullrange - FOH
	38	MCx 110	MC2 Xover=110Hz - FOH
Uniline Compact	39	UC206N AR 60	UC206N Array Xover=60Hz
	40	UC206N FI 60	UC206N Fill Xover=60Hz
	41	UC206W AR 60	UC206W Array Xover=60Hz
	42	UC206W FI 60	UC206W Fill Xover=60Hz
	43	UC206W DF 60	UC206W Downfill Xover=60Hz
	44	UC115B Bass OM 110	UC115B Bass Xover=110Hz - Omnidirectional
	45	UC115B Bass CD V-FFR- Stacked 110	UC115B Bass Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	46	UC115B Bass CD V-FRF- Flown 110	UC115B Bass Xover=110Hz - Cardioid Vertical Front-Rear-Front - Flown
	47	UC115B Sub OM 110	UC115B Sub Xover=110Hz - Omnidirectional
	48	UC115B Sub CD V-FFR- Stacked 110	UC115B Sub Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	49	UC115B Sub CD V-FRF- Flown 110	UC115B Sub Xover=110Hz - Cardioid Vertical Front-Rear-Front - Flown

	50	UC115B Sub CD H-FRF 110	UC115B Sub Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	51	UC118i OM 60	UC118i Xover=60Hz - Omnidirectional
	52	UC118i OM 80	UC118i Xover=80Hz - Omnidirectional
	53	UC118i OM 110	UC118i Xover=110Hz - Omnidirectional
	54	UC118i CD V-FR 80	UC118i Xover=80Hz - Cardioid Vertical Front-Rear
	55	UC118i CD V-FFR-Stacked 80	UC118i Xover=80Hz - Cardioid Vertical Front-Front-Rear - Stacked
	56	UC118i CD V-FRF-Flown 80	UC118i Xover=80Hz - Cardioid Vertical Front-Rear-Front - Flown
	57	UC118i CD H-FRF 80	UC118i Xover=80Hz - Cardioid Horizontal Front-Rear-Front - Stacked
Uniline	58	UL210 AR 60	UL210 Array Xover=60Hz
	59	UL210D AR 60	UL210D Array Xover=60Hz
	60	UL115B OM 110	UL115B Sub Xover=110Hz - Omnidirectional
	61	UL115B CD V-FFR-Stacked 110	UL115B Sub Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	62	UL115B CD V-FRF- Flown 110	UL115B Sub Xover=110Hz - Cardioid Vertical Front-Rear-Front - Flown
	63	UL115B CD H-FRF 110	UL115B Sub Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	64	UL118B OM 60	UL118B Xover=60Hz - Omnidirectional
	65	UL118B OM 80	UL118B Xover=80Hz - Omnidirectional
	66	UL118B CD V-FFR-Stacked 80	UL118B Xover=80Hz - Cardioid Vertical Front-Front-Rear - Stacked
	67	UL118B CD V-FRF-Flown 80	UL118B Xover=80Hz - Cardioid Vertical Front-Rear-Front - Flown
	68	UL118B CD H-FRF 80	UL118B Xover=80Hz - Cardioid Horizontal Front-Rear-Front - Stacked

SB Series	69	SB110 OM 110	SB110 Xover=110Hz - Omnidirectional
	70	SB112 OM 110	SB112 Xover=110Hz - Omnidirectional
	71	SB115 OM 110	SB115 Xover=110Hz - Omnidirectional
	72	SB115 CD V-FR 110	SB115 Xover=110Hz - Cardioid Vertical Front-Rear - Stacked
	73	SB115 CD V-FFR 110	SB115 Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	74	SB115 CD H-FRF 110	SB115 Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	75	SB115-M2 OM 110	SB115-M2 Xover=110Hz - Omnidirectional
	76	SB115-M2 CD V-FR 110	SB115-M2 Xover=110Hz - Cardioid Vertical Front-Rear - Stacked
	77	SB115-M2 CD V-FFR 110	SB115-M2 Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	78	SB115-M2 CD H-FRF 110	SB115-M2 Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	79	SB118 OM 80	SB118 Xover=80Hz - Omnidirectional
TB Series	80	TB115S OM 80	TB115S Xover=80Hz - Omnidirectional
	81	TB115S OM 110	TB115S Xover=110Hz - Omnidirectional
	82	TB115S CD V-FFR 110	TB115S Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked

	83	TB115S CD H-FRF 110	TB115S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	84	TB115S CD H-FRF-S 110	TB115S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Sided Stacked
	85	TB215S OM 80	TB215S Xover=80Hz - Omnidirectional
	86	TB215S OM 110	TB215S Xover=110Hz - Omnidirectional
	87	TB215S CD V-FFR 110	TB215S Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	88	TB215S CD H-FRF 110	TB215S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	89	TB215S CD H-FRF-S 110	TB215S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Sided Stacked
	90	TB118S OM 60	TB118S Xover=60Hz - Omnidirectional
	91	TB118S OM 80	TB118S Xover=80Hz - Omnidirectional
	92	TB118S OM 110	TB118S Xover=110Hz - Omnidirectional
	93	TB118S CD V-FFR 110	TB118S Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	94	TB118S CD H-FRF 110	TB118S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	95	TB118S CD H-FRF-S 110	TB118S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Sided Stacked
	96	TB218S OM 60	TB218S Xover=60Hz - Omnidirectional
	97	TB218S OM 80	TB218S Xover=80Hz - Omnidirectional
	98	TB218S OM 110	TB218S Xover=110Hz - Omnidirectional
	99	TB218S CD V-FFR 110	TB218S Xover=110Hz - Cardioid Vertical Front-Front-Rear - Stacked
	100	TB218S CD H-FRF 110	TB218S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Stacked
	101	TB218S CD H-FRF-S 110	TB218S Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Sided Stacked
Matrix Series	102	4000 LO 160	4000LO Xover=160Hz
	103	4000 HI 2 way FR	4000HI 2 way
	104	4000 3 way	4000 3 way

Sector Series	105	3000C FR	3000C Fullrange - FOH
	106	SC25 FR	SC25 Fullrange - FOH
	107	SC25 250	SC25 Xover=250Hz - FOH
iS Series	108	iS110 OM 110	iS110 Xover=110Hz - Omnidirectional
	109	iS110 CD V-FR 110	iS110 Xover=110Hz - Cardioid Vertical Front-Rear
	110	iS112 OM 110	iS112 Xover=110Hz - Omnidirectional
	111	iS112 CD V-FR 110	iS112 Xover=110Hz - Cardioid Vertical Front-Rear
	112	iS115 OM 80	iS115 Xover=80Hz - Omnidirectional
	113	iS115 CD V-FR 80	iS115 Xover=80Hz - Cardioid Vertical Front-Rear
	114	iS115 OM 110	iS115 Xover=110Hz - Omnidirectional
	115	iS115 CD V-FR 110	iS115 Xover=110Hz - Cardioid Vertical Front-Rear
Legacy	116	MX0 FR	MX0 Fullrange - FOH
	117	MX1 FR	MX1 Fullrange - FOH
	118	MX2 FR	MX2 Fullrange - FOH
	119	MX4 FR	MX4 Fullrange - FOH
	120	DS8 FR	DS8 Fullrange - FOH
	121	DS12S FR	DS12S Fullrange - FOH
	122	DS15 FR	DS15 Fullrange - FOH
	123	DS15S FR	DS15S Fullrange - FOH
	124	DS15R MON	DS15R Monitor

Speakers Presets

ArmoniaPlus 2.5.0

The following list shows all the speaker presets available for the 'Powersoft ArmoniaPlus 2.5.0' software.

To instal the speaker presets in ArmoniaPlus:
- DA Series amplifiers: Direct installation via Powersoft ArmoniaPlus Marketplace.
- Quattrocanali amplifiers: «copy/paste» the speaker presets in your user presets path (C:\Users\Public\Documents\Powersoft\ArmoniaPlus\SpeakersLibrary).

Speakers Presets	N°	Preset Name	Application	Ways Type
Dispersion Series	1	DX5 FR	Fullrange	FR
	2	DX5 110	HPF 110	WS
	3	DX5 MON	Monitor	MO
	4	DX8 FR	Fullrange	FR
	5	DX8 110	HPF 110	WS
	6	DX8 MON	Monitor	MO
	7	DX12 FR	Fullrange	FR
	8	DX12 80	HPF 80	WS
	9	DX12 110	HPF 110	WS
	10	DX12 MON	Monitor	MO
	11	DX15 FR	Fullrange	FR
	12	DX15 80	HPF 80	WS
	13	DX15 110	HPF 110	WS
	14	DX15 MON	Monitor	MO
	15	SMX15 FR	Fullrange	LO | HI
	16	SMX15 80	HPF 80	LO | HI
	17	SMX15 110	HPF 110	LO | HI
	18	SMX15 MON	Monitor	LO | HI
iS Series	19	iS110 OM 110	Omni 110	SB
	20	iS110 CD V-FR 110	CD V-FR 110	F | R
	21	iS112 OM 110	Omni 110	SB
	22	iS112 CD V-FR 110	CD V-FR 110	F | R
	23	iS115 OM 80	Omni 80	SB
	24	iS115 CD V-FR 80	CD V-FR 80	F | R
	25	iS115 OM 110	Omni 110	SB
	26	iS115 CD V-FR 110	CD V-FR 110	F | R
	27	iS115 CD H-FRF 110	CD H-FRF 110	F | R

iX Series	28	iX5 FR	Fullrange	FR
	29	iX5 110	HPF 110	WS
	30	iX6 FR	Fullrange	FR
	31	iX6 110	HPF 110	WS
	32	iX8 FR	Fullrange	FR
	33	iX8 110	HPF 110	WS
	34	iX8 100V 80	Hi-Z 100V 80	HZ
	35	iX12 FR	Fullrange	FR
	36	iX12 80	HPF 80	WS
	37	iX12 110	HPF 110	WS
	38	iX12 100V 80	Hi-Z 100V 80	HZ
	39	iX15 FR	Fullrange	FR
	40	iX15 80	HPF 80	WS
	41	iX15 110	HPF 110	WS
SB Series	42	SB110 OM 110	Omni 110	SB
	43	SB112 OM 110	Omni 110	SB
	44	SB115-M2 OM 110	Omni 110	SB
	45	SB118 OM 80	Omni 80	SB

TB Series	46	TB115S OM 80	Omni 80	SB
	47	TB115S OM 110	Omni 110	SB
	48	TB115S CD V-FFR 110	CD V-FFR 110	FF | R
	49	TB115S CD H-FRF 110	CD H-FRF 110	FF | R
	50	TB215S OM 80	Omni 80	SB
	51	TB215S OM 110	Omni 110	SB
	52	TB215S CD V-FFR 110	CD V-FFR 110	F | F | R
	53	TB215S CD H-FRF 110	CD H-FRF 110	F | R | F
	54	TB215S CD H-FRF-S 110	CD H-FRF-S 110	F | R | F
	55	TB118S OM 60	Omni 60	SB
	56	TB118S OM 80	Omni 80	SB
	57	TB118S OM 110	Omni 110	SB
	58	TB118S CD V-FFR 80	CD V-FFR 80	FF | R
	59	TB118S CD V-FFR 110	CD V-FFR 110	FF | R
	60	TB118S CD H-FRF 80	CD H-FRF 80	FF | R
	61	TB118S CD H-FRF 110	CD H-FRF 110	FF | R
	62	TB218S OM 60	Omni 60	SB
	63	TB218S OM 80	Omni 80	SB
	64	TB218S OM 110	Omni 110	SB
	65	TB218S CD V-FR 80	CD V-FR 80	F | R
	66	TB218S CD V-FR 110	CD V-FR 110	F | R
	67	TB218S CD V-FFR 80	CD V-FFR 80	F | F | R
	68	TB218S CD V-FFR 110	CD V-FFR 110	F | F | R
	69	TB218S CD H-FRF 80	CD H-FRF 80	F | R | F
	70	TB218S CD H-FRF 110	CD H-FRF 110	F | R | F
	71	TB218S CD H-FRF-S 80	CD H-FRF-S 80	F | R | F
	72	TB218S CD H-FRF-S 110	CD H-FRF-S 110	F | R | F
Uniline	73	UL210 Array 60	Array Fullrange 60	LO | HI
	74	UL210 Array 80	Array HPF 80	LO | HI
	75	UL210 Array 110	Array HPF 110	LO | HI

	76	UL210D Array 60	Array Fullrange 60	LO | HI
	77	UL210D Array 80	Array HPF 80	LO | HI
	78	UL210D Array 110	Array HPF 110	LO | HI
	79	UL115B OM 110	Omni 110	SB
	80	UL115B CD H-FRF 110	CD H-FRF 110	F | R
	81	UL115B CD V-FFR 110	CD V-FFR Stacked 110	F | R
	82	UL115B CD V-FRF 110	CD V-FRF Flown 110	F | R
	83	UL118B OM 60	Omni 60	SB
	84	UL118B OM 80	Omni 80	SB
	85	UL118B CD H-FRF 80	CD H-FRF 80	F | R
	86	UL118B CD V-FR 80	CD V-FR 80	F | R
	87	UL118B CD V-FFR 80	CD V-FFR Stacked 80	F | R
	88	UL118B CD V-FRF 80	CD V-FRF Flown 80	F | R

Uniline Compact	89	UC206N Array 60	Array Fullrange 60	LO | HI
	90	UC206N Array 80	Array HPF 80	LO | HI
	91	UC206N Array 110	Array HPF 110	LO | HI
	92	UC206N Fill 60	Fill Fullrange 60	LO | HI
	93	UC206N Fill 80	Fill HPF 80	LO | HI
	94	UC206N Fill 110	Fill HPF 110	LO | HI
	95	UC206W Array 60	Array Fullrange 60	LO | HI
	96	UC206W Array 80	Array HPF 80	LO | HI
	97	UC206W Array 110	Array HPF 110	LO | HI
	98	UC206W Downfill 60	Downfill Fullrange 60	LO | HI
	99	UC206W Downfill 80	Downfill HPF 80	LO | HI
	100	UC206W Downfill 110	Downfill HPF 110	LO | HI
	101	UC206W Fill 60	Fill HPF 60	LO | HI
	102	UC206W Fill 80	Fill HPF 80	LO | HI
	103	UC206W Fill 110	Fill HPF 110	LO | HI
	104	UC115B Bass OM 110	Bass Omni 110	SB
	105	UC115B Bass CD V-FFR 110	Bass CD V-FFR Stacked 110	F | R
	106	UC115B Bass CD V-FRF 110	Bass CD V-FRF Flown 110	F | R
	107	UC115B Sub OM 110	Sub Omni 110	SB
	108	UC115B Sub CD H-FRF 110	Sub CD H-FRF 110	F | R
	109	UC115B Sub CD V-FFR 110	Sub CD V-FFR Stacked 110	FF | R
	110	UC115B Sub CD V-FRF 110	Sub CD V-FRF Flown 110	F | R
	111	UC118i OM 60	Omni 60	SB
	112	UC118i OM 80	Omni 80	SB
	113	UC118i OM 110	Omni 110	SB
	114	UC118i CD H-FRF 80	CD H-FRF 80	F | R
	115	UC118i CD V-FR 80	CD V-FR 80	F | R
	116	UC118i CD V-FFR 80	CD V-FFR Stacked 80	F | R
	117	UC118i CD V-FRF 80	CD V-FRF Flown 80	F | R

Legacy Speakers Presets

ArmoniaPlus 2.5.0

With the 1.8.10 APG Presets Update, APG provides some old speakers presets grouped in the «Legacy bank», available to download on the APG website (www.apg.audio).
The following list shows all the «Legacy» speakers presets available for the Powersoft ArmoniaPlus 2.5.0 software.

To instal the Legacy Speaker presets in ArmoniaPlus:
- download on the APG website the «Legacy Speaker Preset v1.8.10» archive & un-zip it.
- «copy/paste» the speaker presets in your user presets path (C:\Users\Public\Documents\Powersoft\ArmoniaPlus\SpeakersLibrary).

Legacy Bank	N°	Preset Name	Application	Ways Type
MX Series	1	MX0 FR	Fullrange	FR
	2	MX1 FR	Fullrange	FR
	3	MX2 FR	Fullrange	FR
	4	MX4 FR	Fullrange	FR
Matrix Series	5	4000 LO	Fullrange LPF 160	LO
	6	4000 HI 2 way	Array Fullrange 60	LO | HI
	7	4000 3 way	Array Fullrange 45	LO |MD|HI
MC Series	8	MC2 FR	Fullrange	FR
	9	MC2 110	HPF 110	WS
	10	MC2 100V 80	Hi-Z 100V 80	HZ
Sector Series	11	SC25 FR	Fullrange	FR
	12	SC25 250	HPF 250	WS
	13	3000C FR	Fullrange	FR
Dispersion Series	14	DS8 FR	Fullrange	FR
	15	DS12S FR	Fullrange	FR
	16	DS15 FR	Fullrange	FR
	17	DS15S FR	Fullrange	FR
	18	DS15S MON	Monitor	MO

System Presets

Presentation

The aim of the System Presets is to simplify the system set-up by offering a time-aligned system with defined Xover frequencies. This does not replace the work of a system engineer who will have to adapt this system to its environment. In most cases, simply recalling the system preset will save time during system set-up and only a few room EQ or low frequency response corrections will need to be made.
Principe d'utilisation

Principle of use

The user opens a system preset, matches the virtual amplifier with its amplifier and the system is ready to use. The user can adjust the tonal balance if necessary or equalize the system via the created groups ('ALL', 'TOPS', 'SUBS'). Other parameters like gain and delay can also be adjusted.

Example of system preset under ArmoniaPlus 2.5.0 - UC PnP2 CD preset

The supplied system presets normally meet most cases of use. However, the sound engineer can adjust the tonal balance and the bass contour according to his needs (musical styles, room acoustics, headroom...).

In order to maintain phase and frequency matching we recommend the user to play with the Lo-Shelfs created in the "ALL" group in order to increase or decrease the bass contour rather than increasing or decreasing the gain of an amplification section.

Thus, if the user wants '+ 3dB' of gain on the subwoofers, it is preferable that he adds '+ 3dB' on the Lo-Shelf of the «ALL» group (see photo below). In this way the Xover frequency is preserved.

Group «ALL» EQ screenshot - iS110 + iX5 Stereo

In the same way it is advisable to play on the Hi-Shelf gain of the «ALL» group rather than modifying the gain of the «TOP» speaker if the user wish to increase or decrease the High frequencies. The user can change the frequencies of the Lo-Shelf and Hi-Shelf filters and add EQ bands, if needed.

The system presets are all available for TOP / SUB ratios of 1: 1, ie 1 TOP for 1 SUB (except in the case of Uniline Compact presets).

In the case of a ratio of 2: 1 (2 TOP for 1 SUB), add + 6dB of gain on the Lo-Shelf of the «ALL» group to find the same tonal balance as with 2 subwoofers.

Operator View

The 'System presets' created by APG come with a dedicated control panel accessible from the «Operator View» tab.

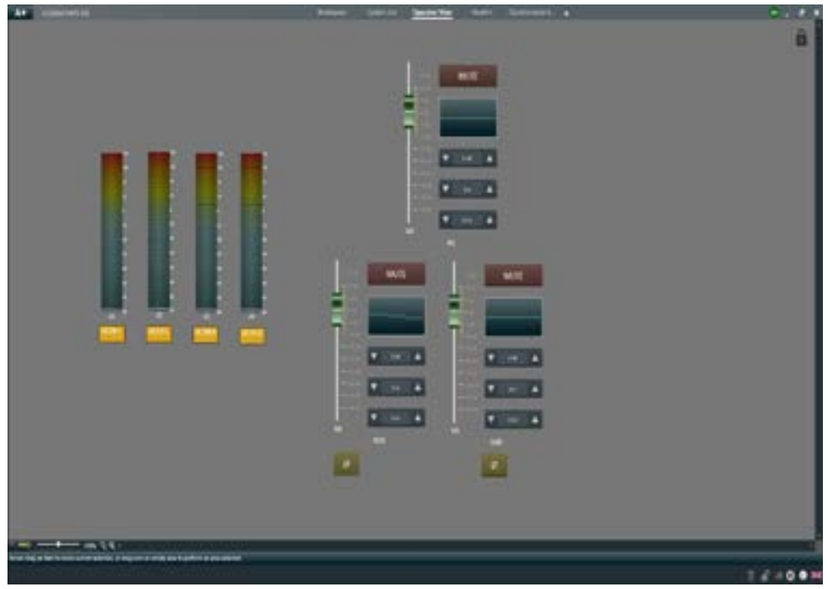
This control panel provides one-click access to most settings of the FOH system. It allows to control 3 groups:

- The "ALL" group containing all the speakers of the FOH system.
- The «TOPS» group containing all the mid / high speakers of the FOH system.
- The «SUBS» group containing all the subwoofers of the FOH system.

Note: For Uniline Compact plug & play presets, an additional «BASS» group containing all 15» bass speakers is created as needed.

The user can monitor:
- The headroom of each amplifier output.
- The equalization of each group.

The user can monitor & modify:
- The gain of each group.
- The polarity of each group (= polarity inverter; Phase shift +180 °).
- The time delay of each group displayed in «ms» and «m».
- The Mute button of each group.



Operator View Screenshot - System Preset UC PnP2-OM

System presets List

	N°	Preset Name	Description
iX Series	1	iS110+iX5 L/R	iS110+iX5 pole mount stereo configuration
	2	iS112+iX6 L/R	iS112+iX6 pole mount stereo configuration
	3	iS115+iX8 L/R	iS115+iX8 pole mount stereo configuration
	4	iS115+iX12 L/R	iS115+iX12 pole mount stereo configuration
	5	iS115+iX12 Flown L/R	iS115+iX12 flown configuration
	6	UC118i+iX12 L/R	UC118i+iX12 pole mount stereo configuration
	7	UC118i+iX15 L/R	UC118i+iX15 pole mount stereo configuration
SPOT Series	8	iS115+SPOT2.6-4 L/R	iS115+SPOT2.6-4 pole mount stereo configuration
	9	UC118i+SPOT2.6-4 L/R	UC118i+SPOT2.6-4 pole mount stereo configuration
Uniline Compact	10	UC206N-PnP1	UC206N+UC118i 1Top/1Sub with M20 pole stand on UC118i, per side
	11	UC206W-PnP1	UC206W+UC118i 1Top/1Sub with M20 pole stand on UC118i, per side
	12	UC206N-PnP2-OM	4xUC206N stacked on 3 UC115B Omni, per side
	13	UC206W-PnP2-OM	4xUC206W stacked on 3 UC115B Omni, per side
	14	UC206N-PnP2-CD	4xUC206N stacked on 3 UC115B Cardio V-FFR, per side
	15	UC206W-PnP2-CD	4xUC206W stacked on 3 UC115B Cardio V-FFR, per side
	16	UC206N-PnP3	4xUC206N flown + 2x UC118i Omni, per side
	17	UC206W-PnP3	4xUC206W flown + 2x UC118i Omni, per side
	18	UC206N-PnP4	4xUC206N+2xUC115B flown + 2xUC118i Omni groundstacked, per side
	19	UC206W-PnP4	4xUC206W+2xUC115B flown + 2xUC118i Omni groundstacked, per side

Systems presets amplifiers table

	N°	Preset Name	QC2404DSP	QC2404DSP+	QC2404DSP+D
iX Series	1	iS110+iX5 L/R	x	x	x
	2	iS112+iX6 L/R	Not rec.	Not rec.	Not rec.
	3	iS115+iX8 L/R	Not rec.	Not rec.	Not rec.
	4	iS115+iX12 L/R	Not allowed	Not allowed	Not allowed
	5	iS115+iX12 Flown L/R	Not allowed	Not allowed	Not allowed
	6	UC118i+iX12 L/R	Not allowed	Not allowed	Not allowed
	7	UC118i+iX15 L/R	Not allowed	Not allowed	Not allowed
SPOT Series	8	iS115+SPOT2.6-4 L/R	Not allowed	Not allowed	Not allowed
	9	UC118i+SPOT2.6-4 L/R	Not allowed	Not allowed	Not allowed
Uniline Compact	10	UC206N-PnP1	Not allowed	Not allowed	Not allowed
	11	UC206W-PnP1	Not allowed	Not allowed	Not allowed
	12	UC206N-PnP2-OM	Not allowed	Not allowed	Not allowed
	13	UC206W-PnP2-OM	Not allowed	Not allowed	Not allowed
	14	UC206N-PnP2-CD	Not allowed	Not allowed	Not allowed
	15	UC206W-PnP2-CD	Not allowed	Not allowed	Not allowed
	16	UC206N-PnP3	Not allowed	Not allowed	Not allowed
	17	UC206W-PnP3	Not allowed	Not allowed	Not allowed
	18	UC206N-PnP4	Not allowed	Not allowed	Not allowed
	19	UC206W-PnP4	Not allowed	Not allowed	Not allowed

	N°	Preset Name	QC4804DSP	QC4804DSP+	QC4804DSP+D
iX Series	1	iS110+iX5 L/R	x	x	x
	2	iS112+iX6 L/R	x	x	x
	3	iS115+iX8 L/R	x	x	x
	4	iS115+iX12 L/R	x	x	x
	5	iS115+iX12 Flown L/R	x	x	x
	6	UC118i+iX12 L/R	x	x	x
	7	UC118i+iX15 L/R	x	x	x
SPOT Series	8	iS115+SPOT2.6-4 L/R	x	x	x
	9	UC118i+SPOT2.6-4 L/R	x	x	x
Uniline Compact	10	UC206N-PnP1	x	x	x
	11	UC206W-PnP1	x	x	x
	12	UC206N-PnP2-OM	Not allowed	Not allowed	Not allowed
	13	UC206W-PnP2-OM	Not allowed	Not allowed	Not allowed
	14	UC206N-PnP2-CD	Not allowed	Not allowed	Not allowed
	15	UC206W-PnP2-CD	Not allowed	Not allowed	Not allowed
	16	UC206N-PnP3	Not allowed	Not allowed	Not allowed
	17	UC206W-PnP3	Not allowed	Not allowed	Not allowed
	18	UC206N-PnP4	Not allowed	Not allowed	Not allowed
	19	UC206W-PnP4	Not allowed	Not allowed	Not allowed

Systems presets amplifiers table

	N°	Preset Name	DA8	DA8 AES3	DA12	DA12 AES3
iX Series	1	iS110+iX5 L/R	x	x	x	x
	2	iS112+iX6 L/R	x	x	x	x
	3	iS115+iX8 L/R	x	x	x	x
	4	iS115+iX12 L/R	x	x	x	x
	5	iS115+iX12 Flown L/R	x	x	x	x
	6	UC118i+iX12 L/R	x	x	x	x
	7	UC118i+iX15 L/R	x	x	x	x
SPOT Series	8	iS115+SPOT2.6-4 L/R	x	x	x	x
	9	UC118i+SPOT2.6-4 L/R	x	x	x	x
Uniline Compact	10	UC206N-PnP1	x	x	x	x
	11	UC206W-PnP1	x	x	x	x
	12	UC206N-PnP2-OM	x	x	x	x
	13	UC206W-PnP2-OM	x	x	x	x
	14	UC206N-PnP2-CD	x	x	x	x
	15	UC206W-PnP2-CD	x	x	x	x
	16	UC206N-PnP3	x	x	x	x
	17	UC206W-PnP3	x	x	x	x
	18	UC206N-PnP4	x	x	x	x
	19	UC206W-PnP4	x	x	x	x

System Presets Notice

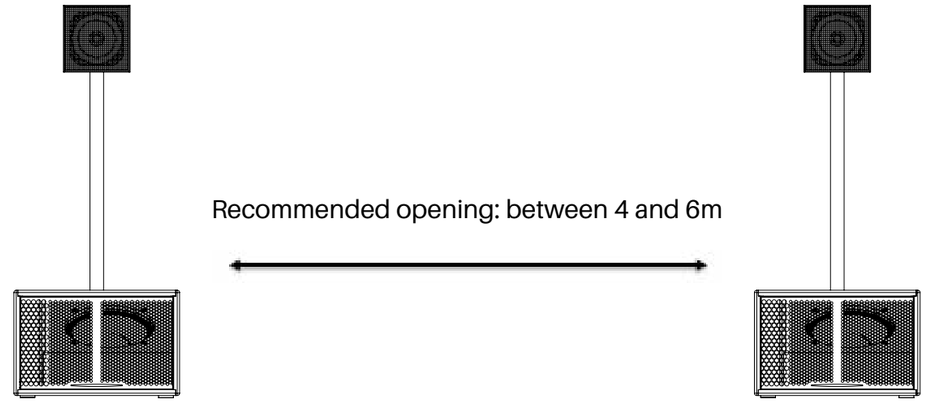
#1 – iX5 + iS110 L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX5-iS110.paw3'

Mechanical setup

iX5: installation on monotube (coupling with iS110).
Accessories :
- 3/8 " microphone stand thread converter to 35mm HP stand (example: K&M 24521-300-55)
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under iX5: 1.50m



I/O Routing

out \ in	1	2	3	4
1 – iS110 L				
2 – iX5 L				
3 – iS110 R				
4 – iX5 R				

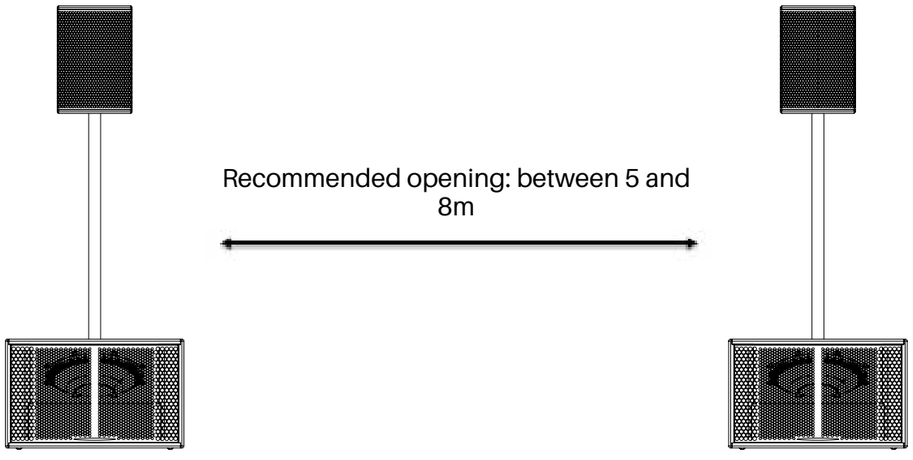
#2 – iX6 + iS112 L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX6-iS112.paw3'

Mechanical setup

iX6: installation on monotube (coupling with iS112).
Accessories :
- 3/8 " microphone stand thread converter to 35mm HP stand (example: K&M 24521-300-55)
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under iX6: 1.50m



I/O Routing

out \ in	1	2	3	4
1 – iS112 L	■	■		
2 – iX6 L	■			
3 – iS112 R	■	■		
4 – iX6 R		■		

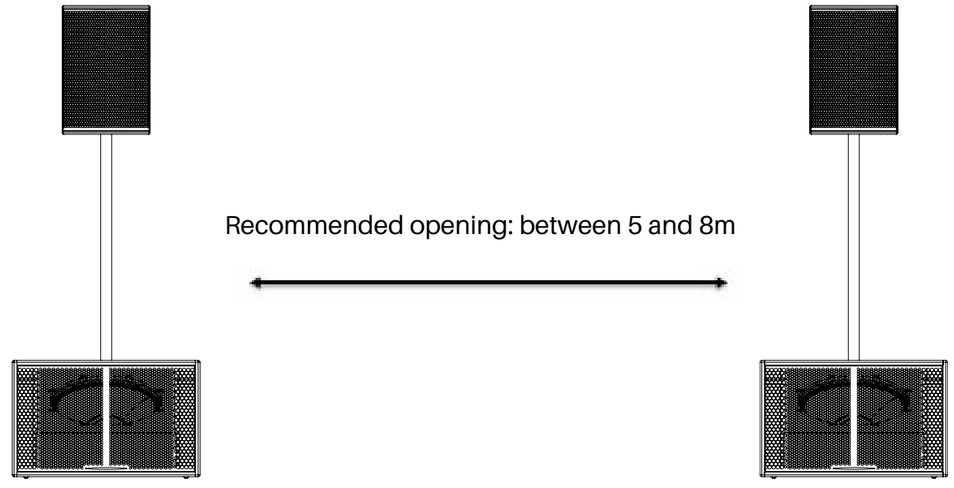
#3 – iX8 + iS115 L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX8-iS115.paw3'

Mechanical setup

iX8: installation on monotube (coupling with iS115).
Accessories :
- Adapter K&M 24281 for HP 35mm stand
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under iX8: 1.50m



I/O Routing

out \ in	1	2	3	4
1 – iS115 L	■	■		
2 – iX8 L	■			
3 – iS115 R	■	■		
4 – iX8 R		■		

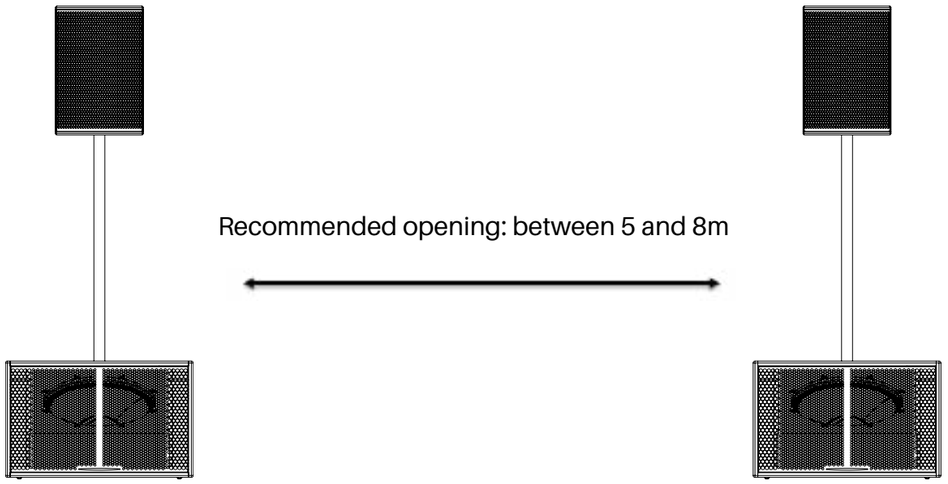
#4 – iX12 + iS115 L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX12-iS115.paw3'

Mechanical setup

iX8: installation on monotube (coupling with iS115).
Accessories :
- Adapter K&M 24281 for HP 35mm stand
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under iX8: 1.50m



I/O Routing

out \ in	1	2	3	4
1 – iS115 L	■	■		
2 – iX12 L	■			
3 – iS115 R	■	■		
4 – iX12 R		■		

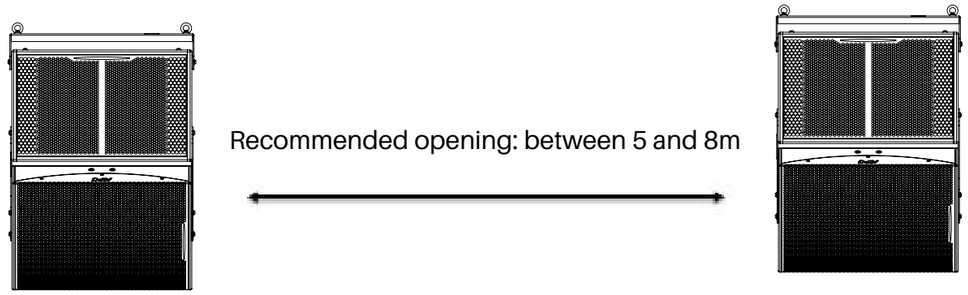
#5 – iX12 + iS115 Flown L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX12-iS115-Flown-LR.paw3'

Mechanical setup

iX12: flowned under sub iS115
Accessories :
- iS115 EBK
- iX12BH

Minimum height under iX12: 2m to 4m



I/O Routing

out \ in	1	2	3	4
1 – iS115 L	■	■		
2 – iX12 L	■			
3 – iS115 R	■	■		
4 – iX12 R		■		

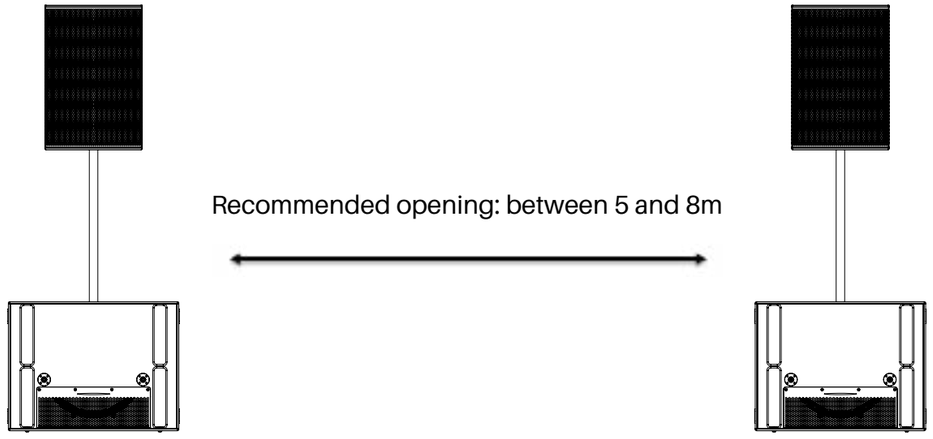
#6 – iX12 + UC118i L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX12-UC118i.paw3'

Mechanical setup

iX12: installation on monotube (coupling with UC118i).
Accessories :
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under iX12: 2m



I/O Routing

out \ in	1	2	3	4
1 – UC118i L	■	■		
2 – iX12 L	■			
3 – UC118i R	■	■		
4 – iX12 R		■		

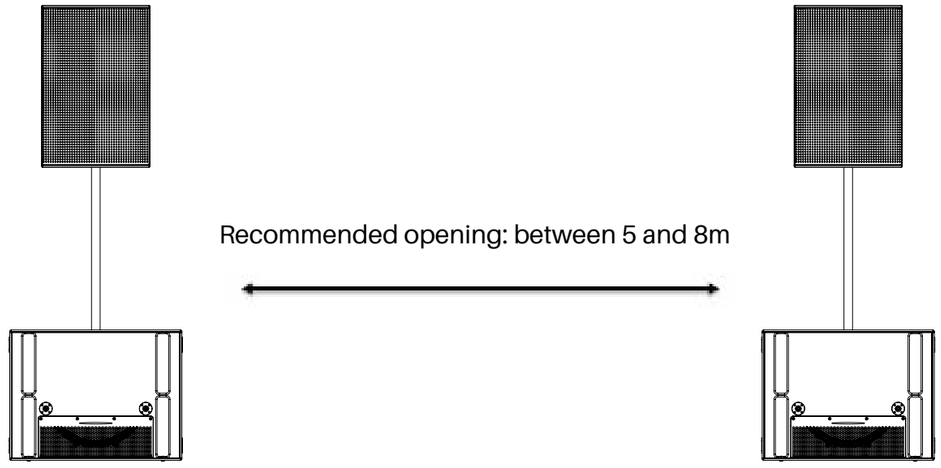
#7 – iX15 + UC118i L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX15-UC118i.paw3'

Mechanical setup

iX15: installation on monotube (coupling with UC118i).
Accessories :
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under iX15: 2m



I/O Routing

out \ in	1	2	3	4
1 – UC118i L	■	■		
2 – iX15 L	■			
3 – UC118i R	■	■		
4 – iX15 R		■		

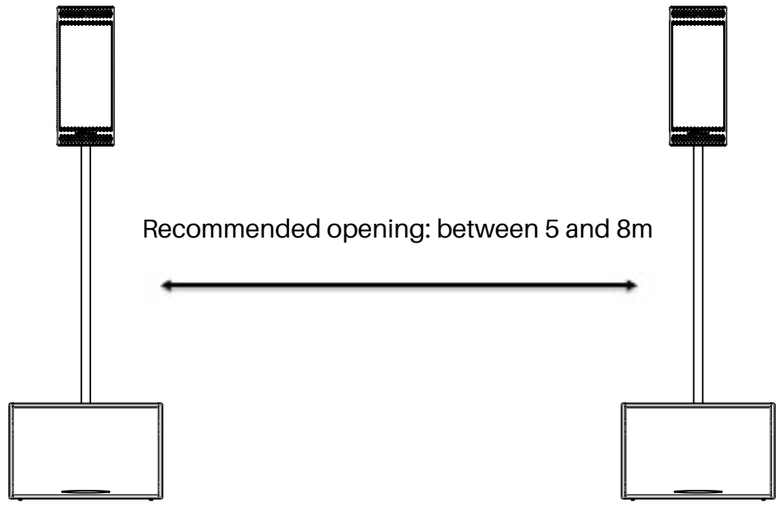
#8 – SPOT2.6-4 + iS115 L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-SPOT2.6-4-iS115.paw3'

Mechanical setup

SPOT2.6-4: installation on monotube (coupling with iS115).
Accessories :
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under SPOT2.6-4: 2m



I/O Routing

out \ in	1	2	3	4
1 – iS115 L	■	■		
2 – SPOT2.6-4 L	■			
3 – iS115 R	■	■		
4 – SPOT2.6-4 R		■		

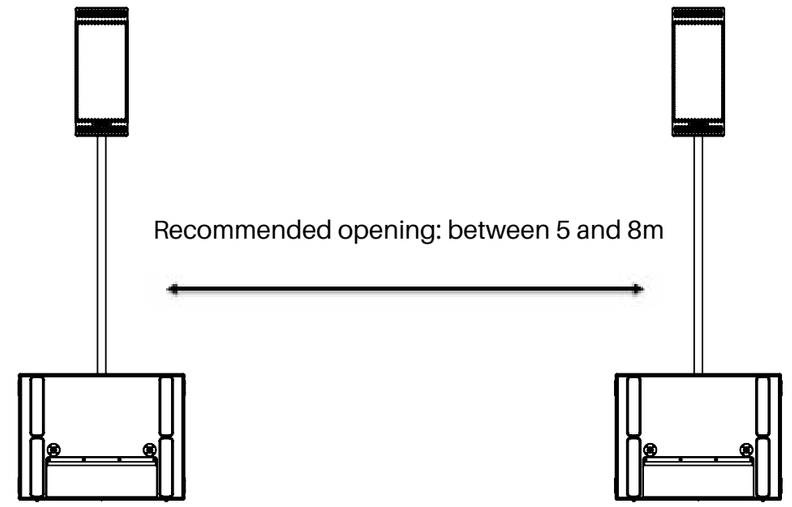
#9 – SPOT2.6-4 + UC118i L/R

Presets :
'APG-SYSTEM-PRESET-[ampname]-iX15-UC118i.paw3'

Mechanical setup

SPOT2.6-4: installation on monotube (coupling with UC118i).
Accessories :
- Monotube HP35mm M20 (example: K&M 21368)

Minimum height under SPOT2.6-4: 2m



I/O Routing

out \ in	1	2	3	4
1 – UC118i L	■	■		
2 – SPOT2.6-4 L	■			
3 – UC118i R	■	■		
4 – SPOT2.6-4 R		■		

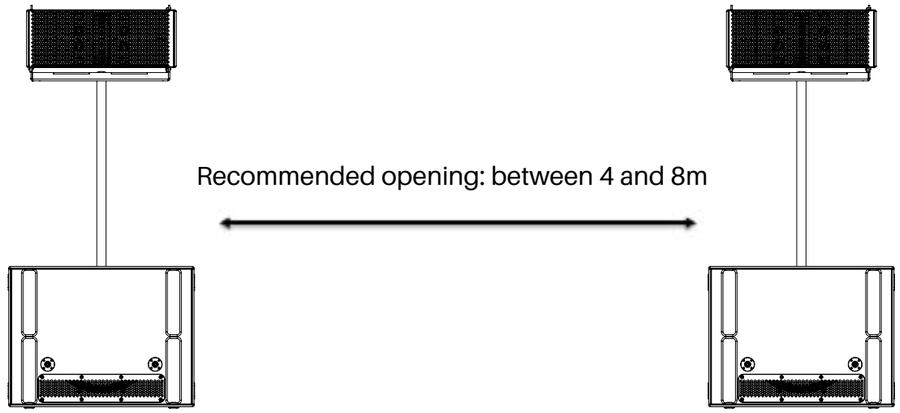
#10 & 11 – UC206N-PnP1 & UC206W-PnP1

Presets :
'APG-SYSTEM-PRESET-[ampname]-UC206N-PnP1.paw3'

Mechanical setup

1 (or 2 max.) UC206N / W on UC118i 35mm M20 monotube pole stand (ex: K&M 21368)
Splay Angles calculated by Autosplay on «Ease Focus 3» if 2 UC206N / W per side

Minimum height under UC206N / W: Between 1.50m and 2.50m.



I/O Routing

out \ in	1	2	3	4
1 - UC206 Lo - LEFT	■			
2 - UC206 Hi - LEFT	■			
3 - UC118i - LEFT	■	■		
4 - Spare				

out \ in	1	2	3	4
1 - UC206 Lo - RIGHT		■		
2 - UC206 Hi - RIGHT		■		
3 - UC118i - RIGHT	■	■		
4 - Spare				

CAUTION: This system preset requires 2x 4-channels amplifiers

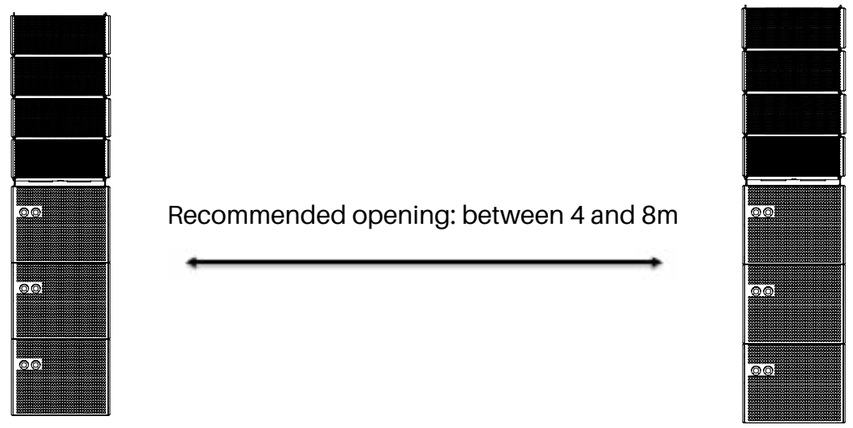
#12 & 13 – UC206N-PnP2-OM & UC206W-PnP2-OM

Presets :
'APG-SYSTEM-PRESET-[ampname]-UC206N-PnP2-OM.paw3'

Mechanical setup

4 UC206N or W stacked on UC115B in omni mode.
Splay Angles calculated by Autosplay on «Ease Focus 3».

Preset optimized for bumper angle at -10 ° DOWN and angles between boxes at 3 ° (please modify the Highshelf if a different angulation is used, see application note in Appendix 1).



I/O Routing

out \ in	1	2	3	4
1 - UC206 Lo - LEFT	■			
2 - UC206 Hi - LEFT	■			
3 - UC115B 4 + 5 - LEFT	■	■		
4 - UC115B 6 - LEFT	■	■		

out \ in	1	2	3	4
1 - UC206 Lo - RIGHT		■		
2 - UC206 Hi - RIGHT		■		
3 - UC115B 1 + 2 - RIGHT	■	■		
4 - UC115B 3 - RIGHT	■	■		

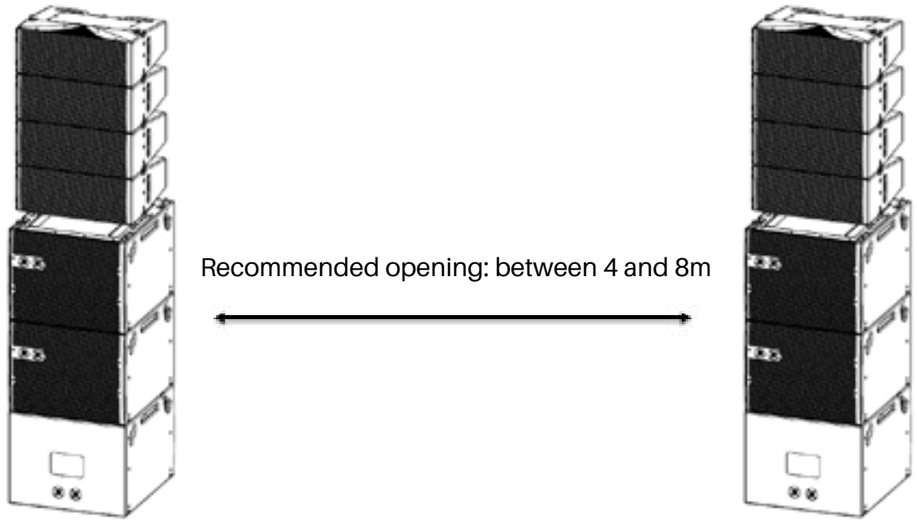
CAUTION: This system preset requires 2x 4-channels amplifiers

#14 & 15 – UC206N-PnP2-CD & UC206W-PnP2-CD

Presets :
'APG-SYSTEM-PRESET-[ampname]-UC206N-PnP2-CD.paw3'

Mechanical setup

4 UC206N or W stacked on UC115B in cardioid mode (V-FFR).
Splay Angles calculated by Autosplay on «Ease Focus 3».
Preset optimized for bumper angle at -10 ° DOWN and angles between boxes at 3 ° (modify the Highshelf if different angulation, see application note in Appendix 1).



I/O Routing

out \ in	1	2	3	4
1 - UC206 Lo - LEFT	■			
2 - UC206 Hi - LEFT	■			
3 - UC115B 4 + 5 - LEFT	■	■		
4 - UC115B 6 - LEFT	■	■		

out \ in	1	2	3	4
1 - UC206 Lo - RIGHT		■		
2 - UC206 Hi - RIGHT		■		
3 - UC115B 1 + 2 - RIGHT	■	■		
4 - UC115B 3 - RIGHT	■	■		

CAUTION: This system preset requires 2x 4-channels amplifiers

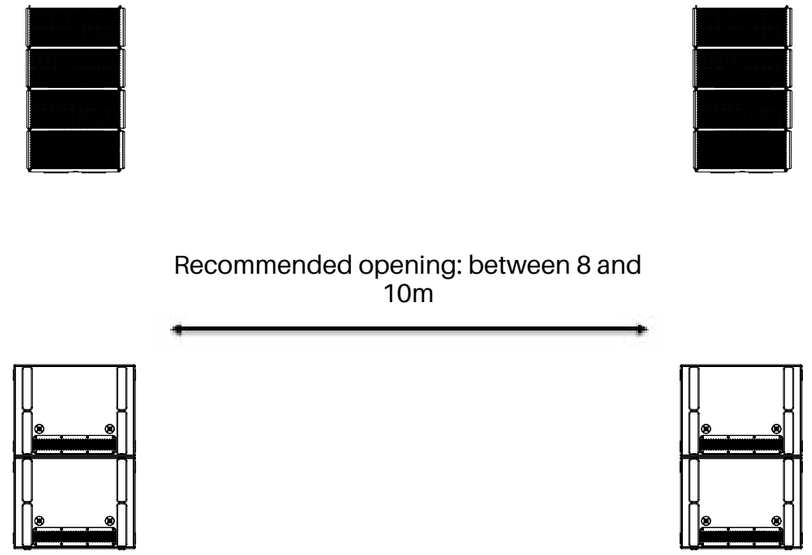
#16 & 17 – UC206N-PnP3 & UC206W-PnP3

Presets :
'APG-SYSTEM-PRESET-[ampname]-UC206N-PnP3.paw3'

Mechanical setup

4 UC206 Line Array + 1 or 2 UL118B stacked on the ground
Splay Angles calculated by Autosplay on «Ease Focus 3».

Height under UC206: Between 2m and 4m.



I/O Routing

out \ in	1	2	3	4
1 - UC206 Lo - LEFT	■			
2 - UC206 Hi - LEFT	■			
3 - UC118i 3 - LEFT	■	■		
4 - UC118i 4 - LEFT	■	■		

out \ in	1	2	3	4
1 - UC206 Lo - RIGHT		■		
2 - UC206 Hi - RIGHT		■		
3 - UC118i 1 - RIGHT	■	■		
4 - UC118i 2 - RIGHT	■	■		

CAUTION: This system preset requires 2x 4-channels amplifiers

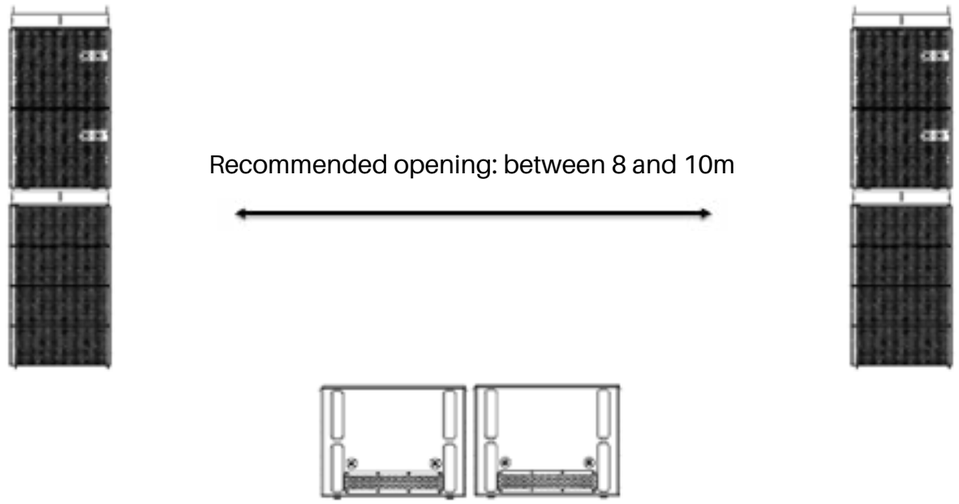
#18 & 19 – UC206N-PnP4 & UC206W-PnP4

Presets :
'APG-SYSTEM-PRESET-[ampname]-UC206N-PnP4.paw3'

Mechanical setup

4 UC206 stacked or flown with 2 UC115B and extended sub-bass reinforcement with UC118i
Splay Angles calculated by Autosplay on «Ease Focus 3».

Height under UC206: Between 2m and 4m.



I/O Routing

out \ in	1	2	3	4
1 - UC206 Lo - LEFT	■			
2 - UC206 Hi - LEFT	■			
3 - UC115B 3 + 4 - LEFT	■			
4 - UC118i 2 - LEFT	■	■		

out \ in	1	2	3	4
1 - UC206 Lo - RIGHT		■		
2 - UC206 Hi - RIGHT		■		
3 - UC115B 1 + 2 - RIGHT		■		
4 - UC118i 1 - RIGHT	■	■		

CAUTION: This system preset requires 2x 4-channels amplifiers

Appendix 1: Application note for Uniline Compact Plug & Play presets

PRESETS PLUG AND PLAY - NOTE EXPLICATIVE

Introduction

The purpose of this document is to present the "Plug & Play" system configuration presets at APG. These presets are intended to make it easier for the user to set up and operate APG sound systems. Their purpose is to allow fast tuning of the configuration chosen via the ArmoniaPlus software by recalling the dedicated system preset.

Tonal balance and bass contour

The Plug & Play presets allow all types of use: vocal application, indoor or outdoor concert... The tonal balance chosen by APG for these systems allows the use of the system for every type of music.

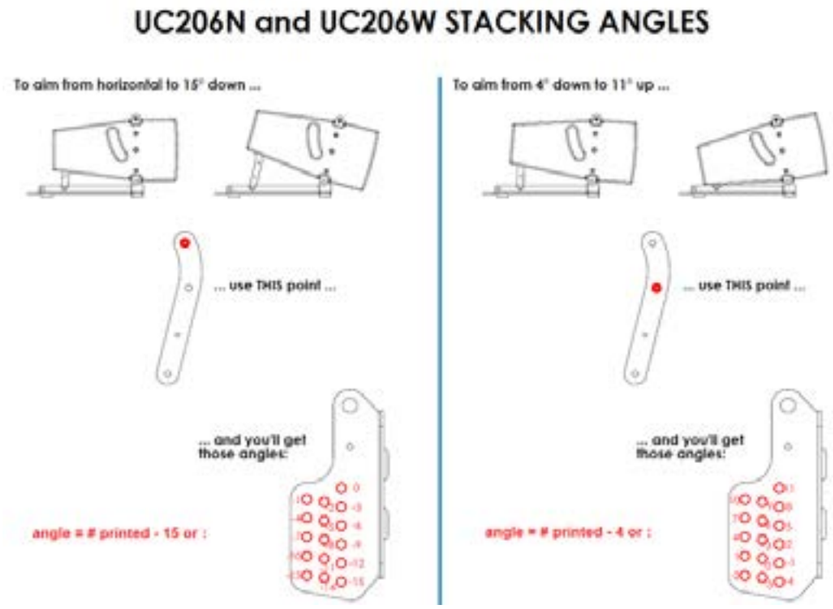
These presets allow ease of use, time saving and provide average performance in all types of places where sound is needed. To increase flexibility, APG leaves the user the possibility of adjusting the tuning parameters and adapting the tonal balance: lo-shelf / hi-shelf adjustment of ± 3 dB.
However, these presets do not in any way replace the optimization work of a system engineer and are therefore to be used only in the absence of the engineer or to save preparation time.

Delay adjustements

It is possible to adjust the delay if the mechanical configuration varies slightly from the recommendations (for example: standing speakers rather than tube speakers) knowing that the presets were created by considering an alignment of the grids for the presets of the **Uniline Compact.**

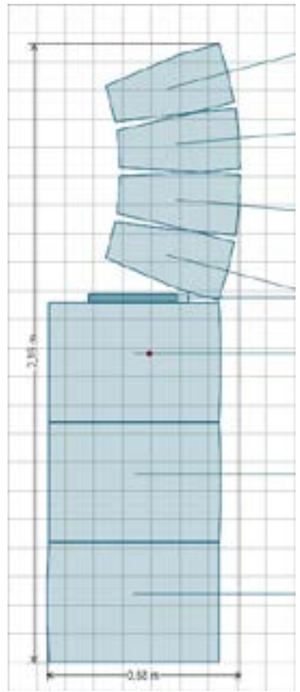
Stacked configurations: Angles, coupling

The 0 ° speaker coupling is reserved for the use of systems in long throw mode. Indeed, with this type of coupling, the treble tends to be particularly present and unbalances the frequency response of the system for the short / medium range.
In order to use the system in short / medium range mode, APG recommend to favor couplings with decreasing angles to attenuate the density in the treble.
To adjust the angulations between your speakers, refer to the EASE Focus simulation software. As a reminder here is the angle correspondence table for the UC206 on the UCSTACK:

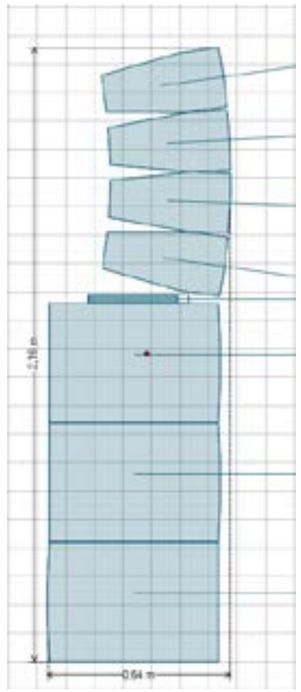


Stacked configurations examples

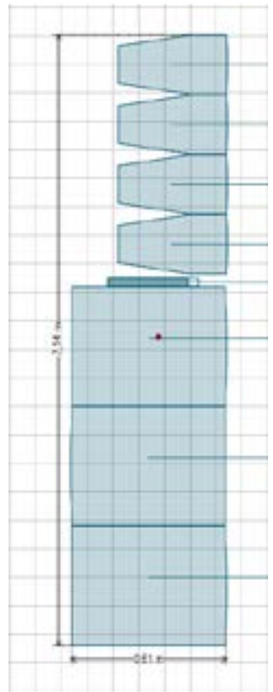
These 3 examples show the influence of angulation on the loudspeakers coupling and system frequency response.



Angle 15°

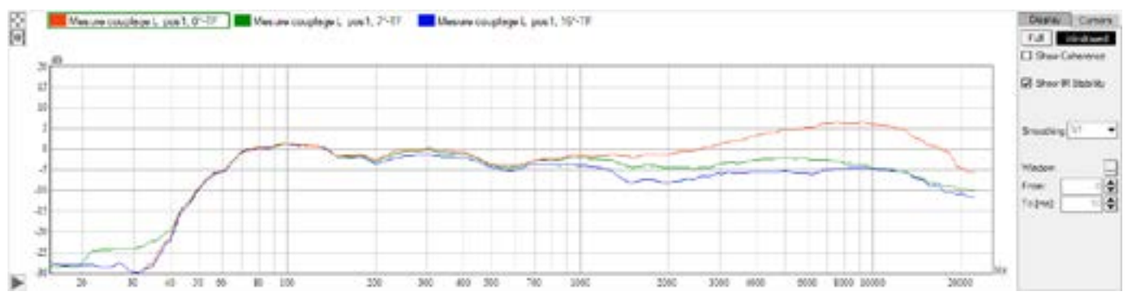


Angle 7°



Angle 0°

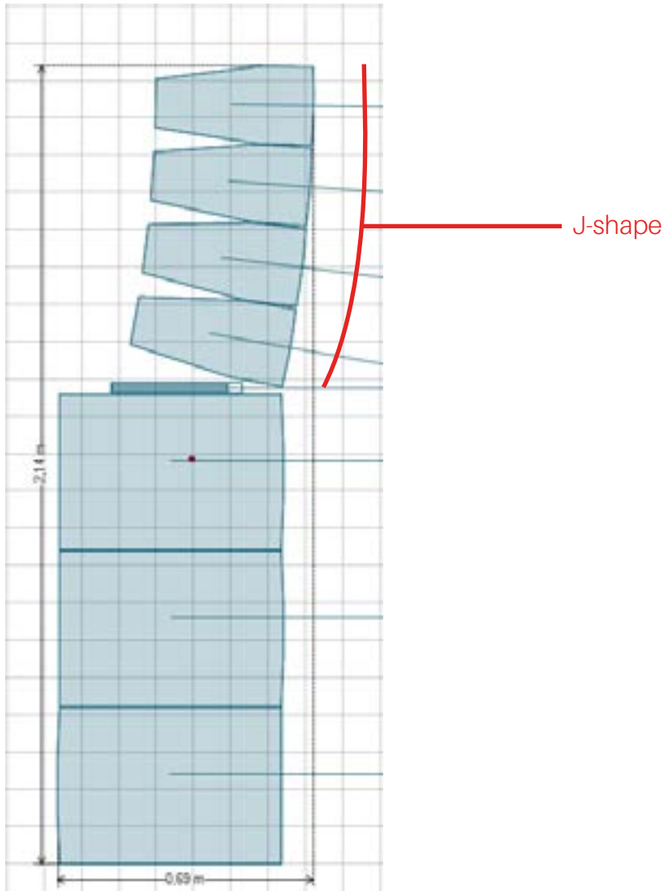
The following curves illustrates the frequency response of the system for the 3 examples of couplings:



We can see that the tighter are the angles between speakers, the more the coupling in the midrange / treble increases linearly from about 600 Hz.

Preset PnP 2

For this stacked configuration with 4 UC206N or W on 3 UC115B in cardioid mode, there are many possibilities of angulation between the line-source cabinets. The **Plug & Play 2** preset has been optimized for an average angulation of 3 ° between speakers (in the event that the system tech does not have time to make a more precise shot). This scenario can handle 70% of the use cases for this stacked configuration. Obviously it is best to adapt the angles between speakers to the coverage area using the EASE Focus software. We recommend a «J-shape» type angle variation (illustration below) in order to linearize coverage over the audience area.

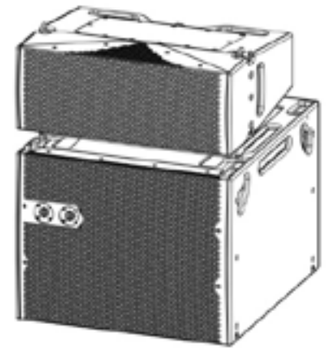


Choice of the UCSTACK mounting hole on UC115B

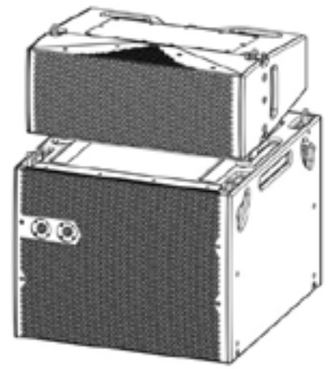
For this stacked configuration, there are two possible mounting holes for the UCSTACK on the UC115B. The **Plug & Play 2** preset has been optimized so that the speaker grills are aligned (hole 1).

UC206N

UC206N + UC115B hole 1

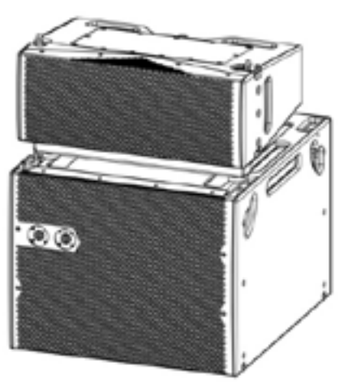


UC206N + UC115B hole 2

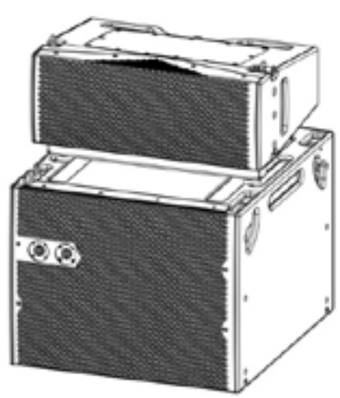


UC206W

UC206W + UC115B hole 1



UC206W + UC115B hole 2



Arbane Groupe
8 Rue Johannes Gutenberg - 44340 Bouguenais- France
Phone : 02.40.46.66.64
www.apg.audio