

Presets Guide



English version

2.0

Release 2024-04



DA8

DA8AES

DA12

DA12AES

QUATTROCANALI SERIES AMPLIFIERS

General information

Presets Guide EN - Version 2.0
2024-04

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What's new ?	5
Reminder of the modifications introduced since the 1.8.9 release	6
Presets nomenclature	7
<i>Mid / high speakers nomenclature</i>	7
<i>Subwoofers nomenclature</i>	8
Speakers Presets	9
<i>ArmoniaPlus 2.7.0 Speakers Presets</i>	9
<i>ArmoniaPlus 2.7.0 Legacy Speakers Presets</i>	13
System Presets	14

Release 2.0 - 2024-04-17

APG updates its speaker preset banks in April 2024, which goes to version 2.0.

APG presets are officially available for Powersoft **ArmoniaPlus 2.7.0.** software.

What's new ?

- Split of the 'Presets Bank' and 'Speaker Preset' versioning

- For a better reactivity, the Speaker Presets are now updated individually via Marketplace.
- For any Speaker Preset update, a new 'Presets Bank' will be packaged and available for download on the APG website. The Speaker Preset version and the Presets Bank version won't be correlated anymore. Only the preset(s) affected by the update will have their version number incremented.
- The preset version number will be displayed in the speaker preset file name, in the 'Model' section of ArmoniaPlus and will be displayed on the front panel of the amplifier.
- - Within this new release, all the presets are incremented in version 2.0, then will be incremented individually subsequently depending on the updates.

- SPOT2.6 : DSP Overload issue - Fixed.

- DX8 : Improvements of speaker presets protections.

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...):

- The **amplifier gain is set at +32dB**.
- The Analog/Digital conversion is **0dBu = -24dBFS**.
- Each speaker in the APG range is configured to reach its nominal level of use at **0dBu and offers 8dB of headroom**.

In order to keep the APG standard A/D alignment, make sure that the following parameters are entered in the configuration of the amplifiers:

- ArmoniaPlus : 'Reference 0dBFS to:' = 24dBu

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). 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).

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**» document for ArmoniaPlus mixed Speakers Presets configurations.

Preset nomenclature:

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:

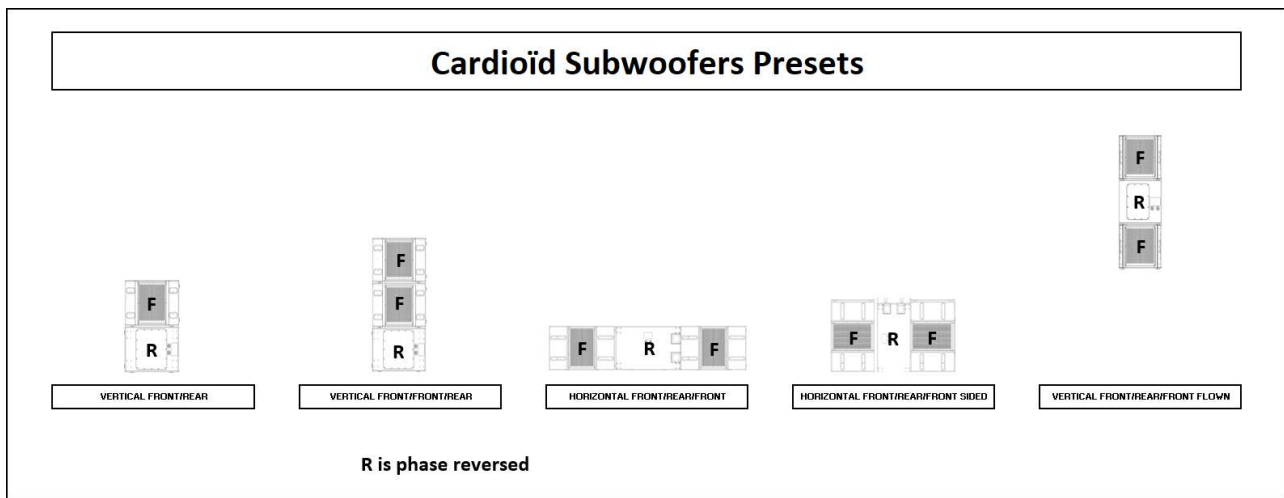
CD-V-FR = Cardioid Vertical Front Rear

CD-V-FFR = Cardioid Vertical Front Front Rear (used for stacked configurations)

CD-V-FRF = Cardioid Vertical Front Rear Front (used for flown configurations)

CD-H-FRF = Cardioid Horizontal Front Rear Front

CD-H-FRF-S = Cardioid Horizontal Front Rear Front Sided



Speakers Presets

ArmoniaPlus

2.7.0

The following list shows all the speaker presets available for the 'Powersoft ArmoniaPlus 2.7.0' 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
	1	FLAT MONO	Flat Mono Preset	FL
Dispersion Series	2	DX5 FR	Fullrange	FR
	3	DX5 110	HPF 110	WS
	4	DX5 MON	Monitor	MO
	5	DX8 FR	Fullrange	FR
	6	DX8 110	HPF 110	WS
	7	DX8 MON	Monitor	MO
	8	DX12 FR	Fullrange	FR
	9	DX12 80	HPF 80	WS
	10	DX12 110	HPF 110	WS
	11	DX12 MON	Monitor	MO
	12	DX15 FR	Fullrange	FR
	13	DX15 80	HPF 80	WS
	14	DX15 110	HPF 110	WS
	15	DX15 MON	Monitor	MO
	16	SMX15 FR	Fullrange	LO HI
	17	SMX15 80	HPF 80	LO HI
	18	SMX15 110	HPF 110	LO HI
	19	SMX15 MON	Monitor	LO HI
	iS Series	20	iS110 OM 110	Omni 110
21		iS110 CD V-FR 110	CD V-FR 110	F R
22		iS112 OM 110	Omni 110	SB
23		iS112 CD V-FR 110	CD V-FR 110	F R
24		iS115 OM 80	Omni 80	SB
25		iS115 CD V-FR 80	CD V-FR 80	F R
26		iS115 OM 110	Omni 110	SB
27		iS115 CD V-FR 110	CD V-FR 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-M2 FR	Fullrange	FR
	33	iX8-M2 110	HPF 110	WS
	34	iX12 FR	Fullrange	FR
	35	iX12 80	HPF 80	WS
	36	iX12 110	HPF 110	WS
	37	iX15 FR	Fullrange	FR
	38	iX15 80	HPF 80	WS
	39	iX15 110	HPF 110	WS
SPOT Series	40	SPOT2.6-4 FR	SPOT2.6 - 4Ohm - Fullrange	FR
	41	SPOT2.6-4 WS 80	SPOT2.6 - 4Ohm - With Sub - Xover=80Hz	WS
	42	SPOT2.6-4 WS 110	SPOT2.6 - 4Ohm - With Sub - Xover=110Hz	WS
	43	SPOT2.6-16 FR	SPOT2.6 - 16Ohm - Fullrange	FR
	44	SPOT2.6-16 WS 80	SPOT2.6 - 16Ohm - With Sub - Xover=80Hz	WS
	45	SPOT2.6-16 WS 110	SPOT2.6 - 16Ohm - With Sub - Xover=110Hz	WS
SB Series	46	SB110 OM 110	Omni 110	SB
	47	SB112 OM 110	Omni 110	SB
	48	SB115-M2 OM 110	Omni 110	SB
	49	SB118 OM 80	Omni 80	SB
TB Series	50	TB115S OM 80	Omni 80	SB
	51	TB115S OM 110	Omni 110	SB
	52	TB115S CD V-FFR 110	CD V-FFR 110	FF R
	53	TB115S CD H-FRF 110	CD H-FRF 110	FF R
	54	TB215S OM 80	Omni 80	SB
	55	TB215S OM 110	Omni 110	SB
	56	TB215S CD V-FFR 110	CD V-FFR 110	F F R
	57	TB215S CD H-FRF 110	CD H-FRF 110	F R F
	58	TB215S CD H-FRF-S 110	CD H-FRF-S 110	F R F
	59	TB118S OM 60	Omni 60	SB
	60	TB118S OM 80	Omni 80	SB
	61	TB118S OM 110	Omni 110	SB
	62	TB118S CD V-FFR 80	CD V-FFR 80	FF R
	63	TB118S CD V-FFR 110	CD V-FFR 110	FF R
	64	TB118S CD H-FRF 80	CD H-FRF 80	FF R
	65	TB118S CD H-FRF 110	CD H-FRF 110	FF R

	66	TB218S OM 60	Omni 60	SB
	67	TB218S OM 80	Omni 80	SB
	68	TB218S OM 110	Omni 110	SB
	69	TB218S CD V-FR 80	CD V-FR 80	F R
	70	TB218S CD V-FR 110	CD V-FR 110	F R
	71	TB218S CD V-FFR 80	CD V-FFR 80	F F R
	72	TB218S CD V-FFR 110	CD V-FFR 110	F F R
	73	TB218S CD H-FRF 80	CD H-FRF 80	F R F
	74	TB218S CD H-FRF 110	CD H-FRF 110	F R F
	75	TB218S CD H-FRF-S 80	CD H-FRF-S 80	F R F
	76	TB218S CD H-FRF-S 110	CD H-FRF-S 110	F R F
Uniline	77	UL210 Array 60	Array Fullrange 60	LO HI
	78	UL210 Array 80	Array HPF 80	LO HI
	79	UL210 Array 110	Array HPF 110	LO HI
	80	UL210D Array 60	Array Fullrange 60	LO HI
	81	UL210D Array 80	Array HPF 80	LO HI
	82	UL210D Array 110	Array HPF 110	LO HI
	83	UL115B OM 110	Omni 110	SB
	84	UL115B CD H-FRF 110	CD H-FRF 110	F R
	85	UL115B CD V-FFR 110	CD V-FFR Stacked 110	F R
	86	UL115B CD V-FRF 110	CD V-FRF Flown 110	F R
	87	UL118B OM 60	Omni 60	SB
	88	UL118B OM 80	Omni 80	SB
	89	UL118B CD H-FRF 80	CD H-FRF 80	F R
	90	UL118B CD V-FFR 80	CD V-FFR Stacked 80	F R
	91	UL118B CD V-FRF 80	CD V-FRF Flown 80	F R

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

Legacy Speakers Presets

ArmoniaPlus 2.7.0

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 2.7.0 software.

To instal the Legacy Speaker presets in ArmoniaPlus:

- download on the APG website the «Legacy Speaker Preset v2.0» 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	2 Ways	LO HI
	7	4000 3 way	3 Ways	LO MD HI
MC Series	8	MC2 FR	Fullrange	FR
	9	MC2 100V 80	Hi-Z 100V 80	HZ
Sector Series	10	SC25 FR	Fullrange	FR
	11	SC25 250	HPF 250	WS
	12	3000C FR	Fullrange	FR
Dispersion Series	13	DS8 FR	Fullrange	FR
	14	DS12S FR	Fullrange	FR
	15	DS15 FR	Fullrange	FR
	16	DS15S FR	Fullrange	FR
	17	DS15SR MON	Monitor	MO
iX Series	18	iX8	Fullrange	FR

System Presets Notice

#1 - iX5 + iS110 L/R

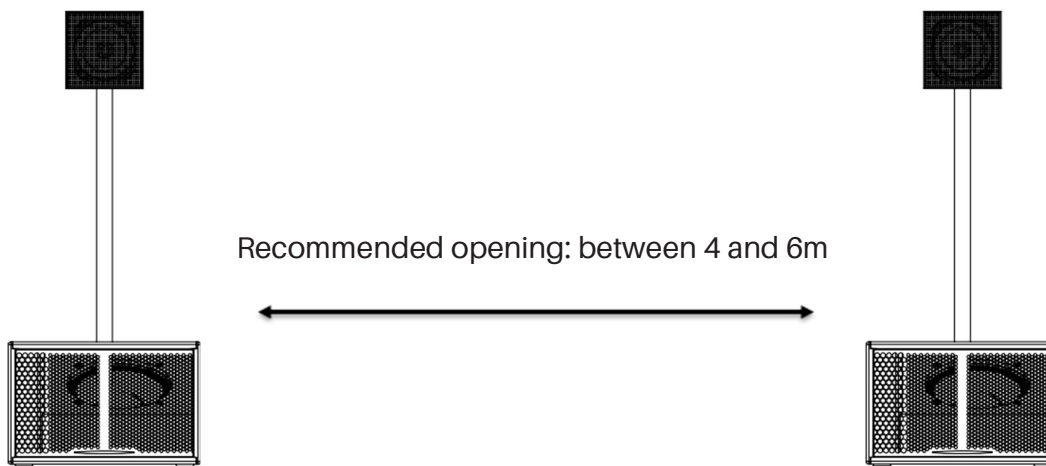
Mechanical setup

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				

System Preset	iS110+iX5	
Way	iS110	iX5
Gain [dB]	-1,5	0
Delay [ms]	0	0
XOver [Hz]	110	
LoShelf freq [Hz]	150	
LoShelf [oct]	1,25	
LoShelf gain [dB]	2	
HiShelf freq [Hz]	3,22k	
HiShelf [oct]	4,78	
HiShelf gain [dB]	2	
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#2 – iX6 + iS112 L/R

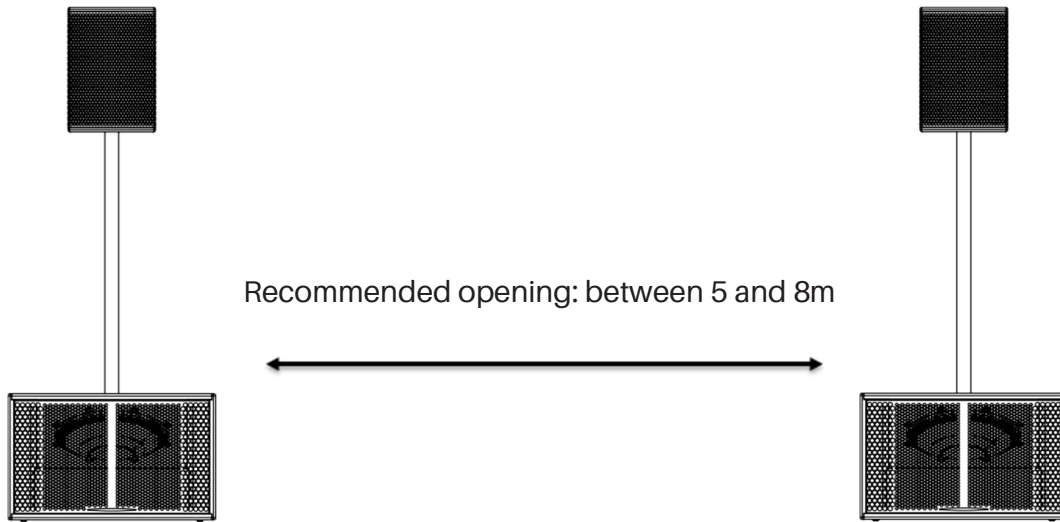
Mechanical setup

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				

System Preset	iS112+iX6	
Way	iS112	iX6
Gain [dB]	-8,2	0
Delay [ms]	0	0
XOver [Hz]	110	
LoShelf freq [Hz]	200	
LoShelf [oct]	1,25	
LoShelf gain [dB]	2	
HiShelf freq [Hz]	3,22k	
HiShelf [oct]	4,78	
HiShelf gain [dB]	2	
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#3 - iX8 + iS115 L/R

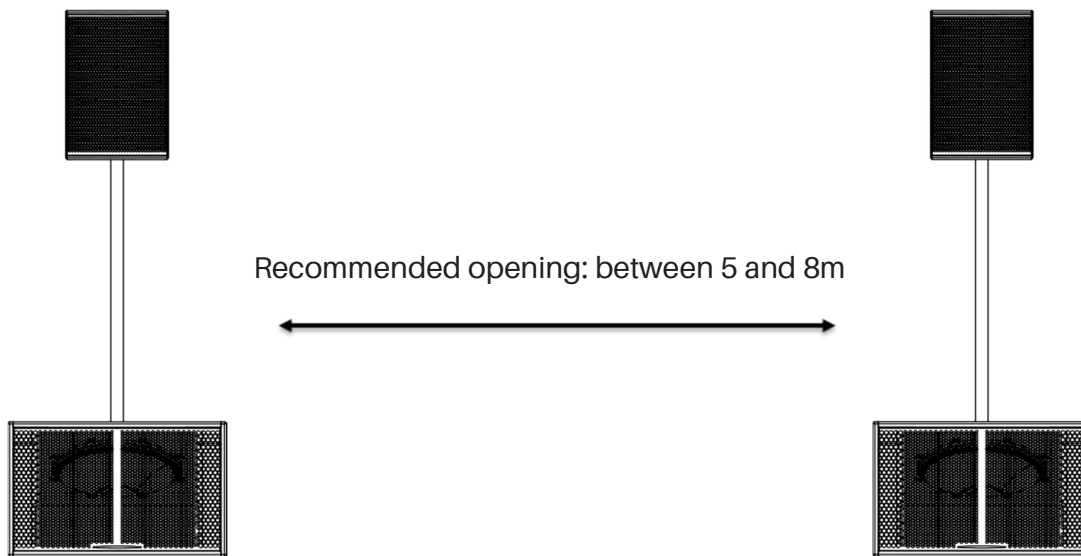
Mechanical setup

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 - iS112 L				
2 - iX6 L				
3 - iS112 R				
4 - iX6 R				

System Preset	iS115+iX8-M2	
Way	iS115	iX8-M2
Gain [dB]	-5	0
Delay [ms]	0	0
XOver [Hz]	110	
LoShelf freq [Hz]	250	
LoShelf [oct]	1,25	
LoShelf gain [dB]	4	
HiShelf freq [Hz]		
HiShelf [oct]		
HiShelf gain [dB]		
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#4 - iX12 + iS115 L/R

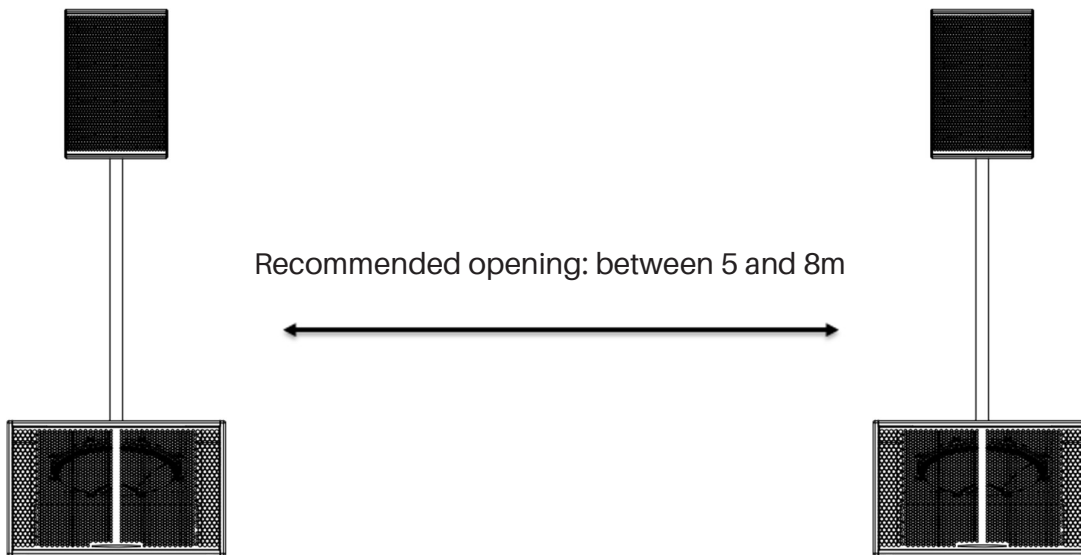
Mechanical setup

iX12 : installation on monotube (coupling with iS115).

Accessories :

- Monotube HP35mm M20 (exemple : K&M 21368)

Minimum height under iX12 : 1,40m



I/O Routing

out \ in	1	2	3	4
1 - iS112 L				
2 - iX6 L				
3 - iS112 R				
4 - iX6 R				

System Preset	iS115+iX12	
Way	iS115	iX12
Gain [dB]	-3,5	0
Delay [ms]	0	0
XOver [Hz]	80	
LoShelf freq [Hz]	125	
LoShelf [oct]	1,25	
LoShelf gain [dB]	4	
HiShelf freq [Hz]		
HiShelf [oct]		
HiShelf gain [dB]		
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#5 - iX12 + iS115 Flown L/R

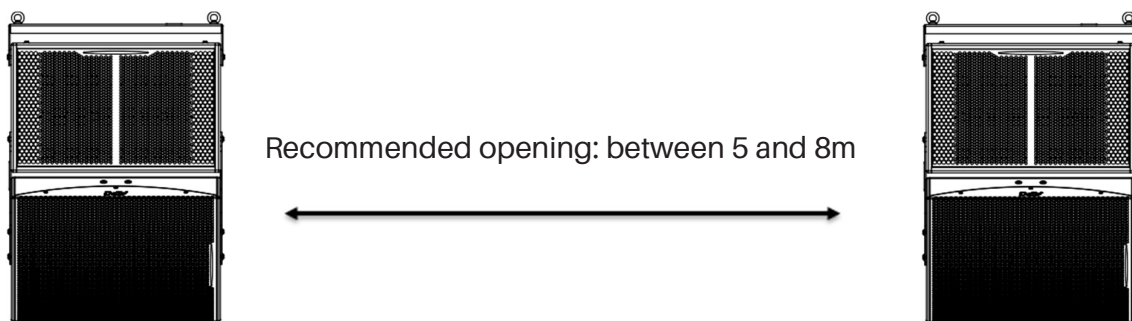
Mechanical setup

iX12: flown 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				

System Preset	iS115+iX12 Flown	
Way	iS115	iX12
Gain [dB]	-3,5	0
Delay [ms]	0	0
XOver [Hz]	80	
LoShelf freq [Hz]	125	
LoShelf [oct]	1,25	
LoShelf gain [dB]	4	
HiShelf freq [Hz]		
HiShelf [oct]		
HiShelf gain [dB]		
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#6 - iX12 + UC118i L/R

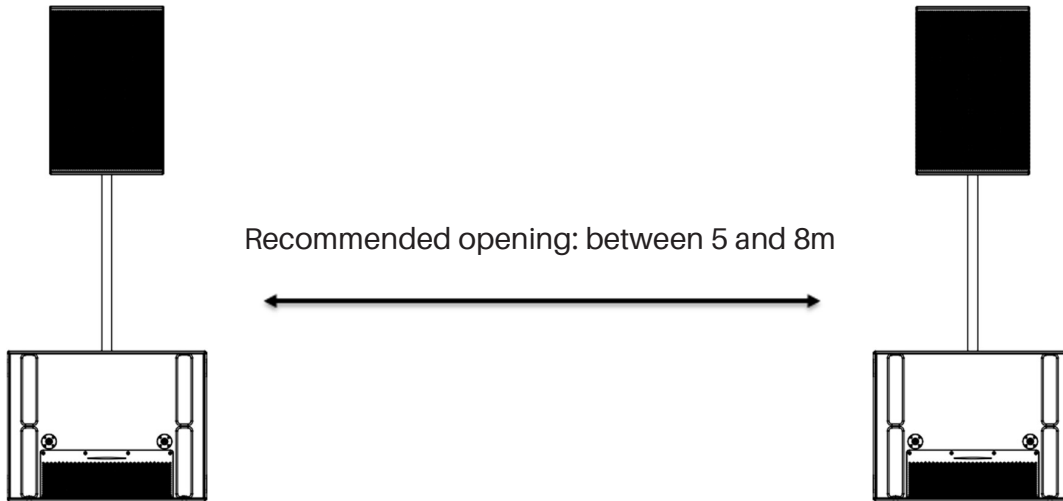
Mechanical setup

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				

System Preset	UC118i+iX12	
Way	UC118i	iX12
Gain [dB]	-3,5	0
Delay [ms]	0	0
XOver [Hz]	80	
LoShelf freq [Hz]	125	
LoShelf [oct]	1,25	
LoShelf gain [dB]	4	
HiShelf freq [Hz]		
HiShelf [oct]		
HiShelf gain [dB]		
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#7 – iX15 + UC118i L/R

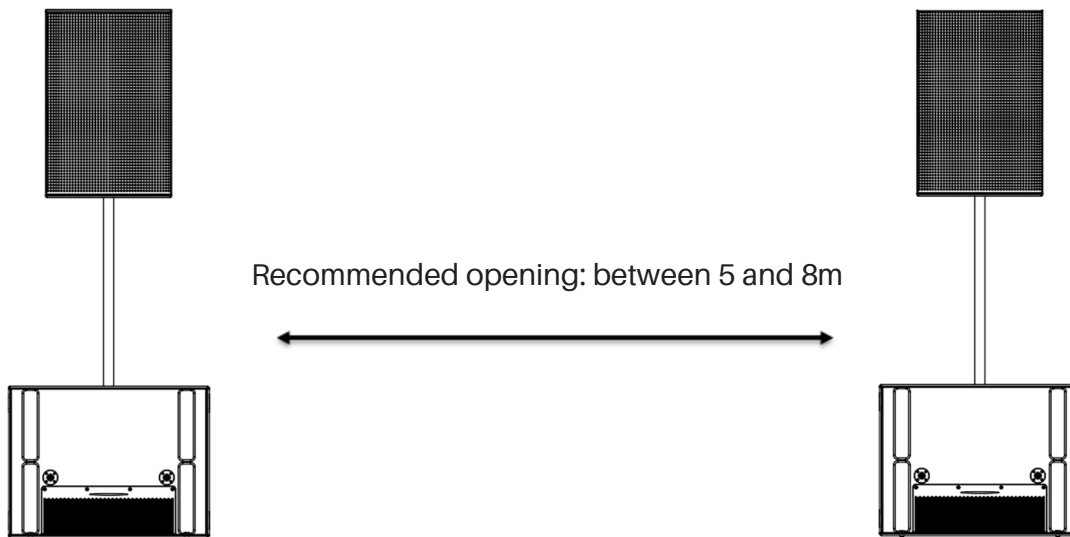
Mechanical setup

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				

System Preset	UC118i+iX15	
Way	UC118i	iX15
Gain [dB]	-1,5	0
Delay [ms]	0	0
XOver [Hz]	80	
LoShelf freq [Hz]	125	
LoShelf [oct]	1,25	
LoShelf gain [dB]	4	
HiShelf freq [Hz]		
HiShelf [oct]		
HiShelf gain [dB]		
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#8 - SPOT2.6-4 + iS115 L/R

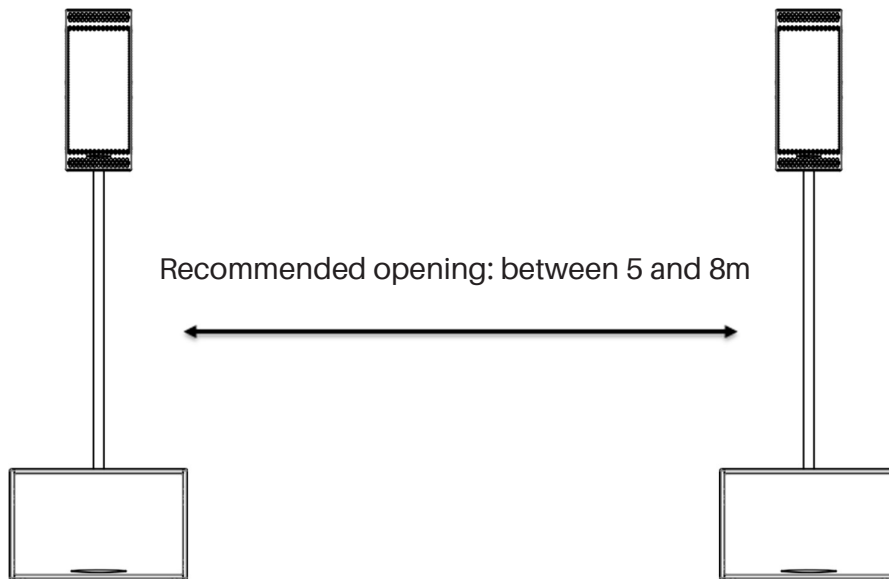
Mechanical setup

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				

System Preset	iS115+SPOT2.6-4	
	iS115	SPOT
Way	iS115	SPOT
Gain [dB]	-6,5	8
Delay [ms]	0	0,5
XOver [Hz]	110	
LoShelf freq [Hz]	125	
LoShelf [oct]	1	
LoShelf gain [dB]	6	
HiShelf freq [Hz]	11986	
HiShelf [oct]	1	
HiShelf gain [dB]	5	
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

#9 - SPOT2.6-4 + UC118i L/R

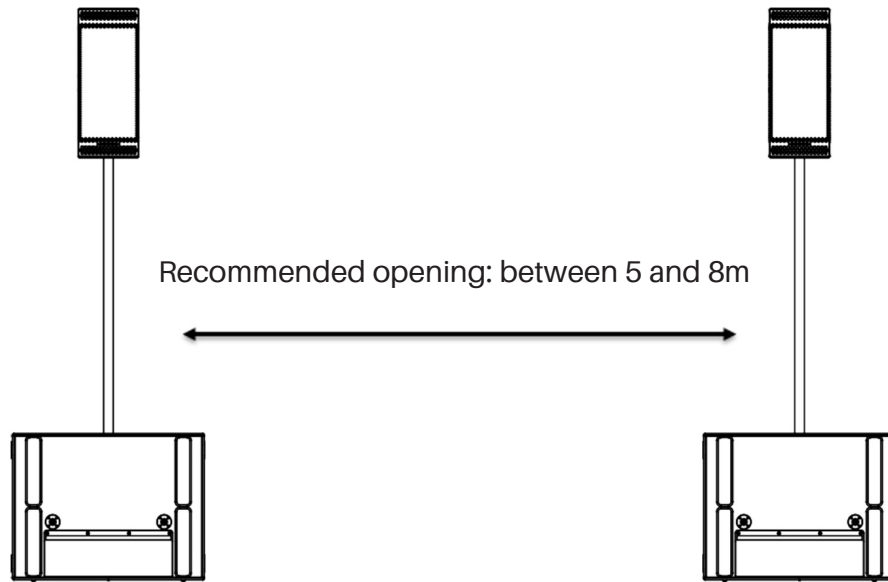
Mechanical setup

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				

System Preset	UC118i+SPOT2.6-4	
Way	UC118i	SPOT
Gain [dB]	-8,5	8
Delay [ms]	0	0,5
XOver [Hz]	110	
LoShelf freq [Hz]	125	
LoShelf [oct]	1	
LoShelf gain [dB]	6	
HiShelf freq [Hz]		
HiShelf [oct]		
HiShelf gain [dB]		
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

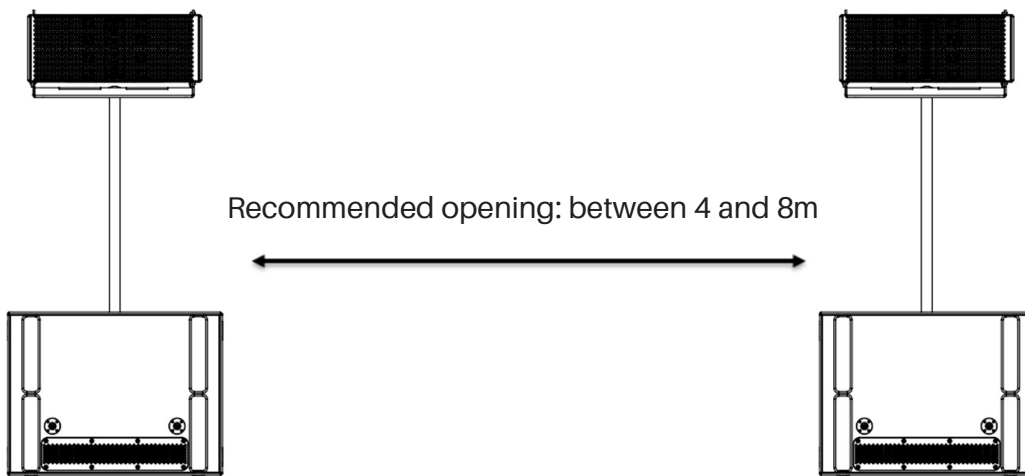
#10 & 11 - UC206N-PnP1 & UC206W-PnP1

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				
2 - UC206 Hi				
3 - UC118i				
4 - Spare				

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

System Preset	UC206N - PnP1	
Way	UC206N Fill	UC118i
Gain [dB]	0	-18,5
Delay [ms]	1,24	0
XOver [Hz]	80	
LoShelf freq [Hz]	250	
LoShelf [oct]	1	
LoShelf gain [dB]	6	
HiShelf freq [Hz]	2000	
HiShelf [oct]	1	
HiShelf gain [dB]	-2	
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]		
PEQ syst3 [freq/oct/dB]		
SUBS Group Gain [dB]	-6	

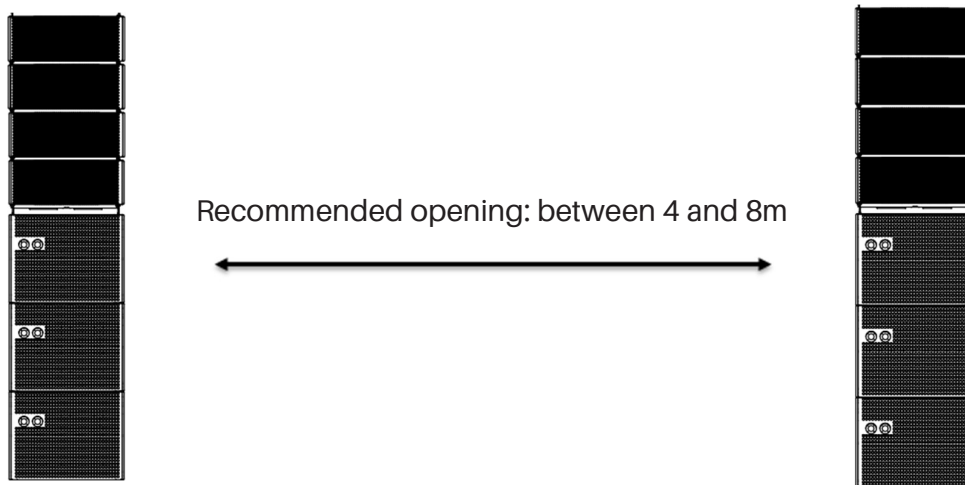
#12 & 13 - UC206N-PnP2-OM & UC206W-PnP2-OM

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				
2 - UC206 Hi				
3 - UC115B 4 + 5				
4 - UC115B 6				

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

System Preset	UC206N - PnP2 - OM	
	UC206N	UC115B
Way	AR	OM
Gain [dB]	0	-3,5
Delay [ms]	0	0
XOver [Hz]	110	
LoShelf freq [Hz]	161	
LoShelf [oct]	1	
LoShelf gain [dB]	2	
HiShelf freq [Hz]	2000	
HiShelf [oct]	1	
HiShelf gain [dB]	-3	
PEQ syst1 [freq/oct/dB]	847/0,6/-3	
PEQ syst2 [freq/oct/dB]	3107/1,9/-2	
PEQ syst3 [freq/oct/dB]	10007/1,5/-4	
SUBS Group Gain [dB]	-6	

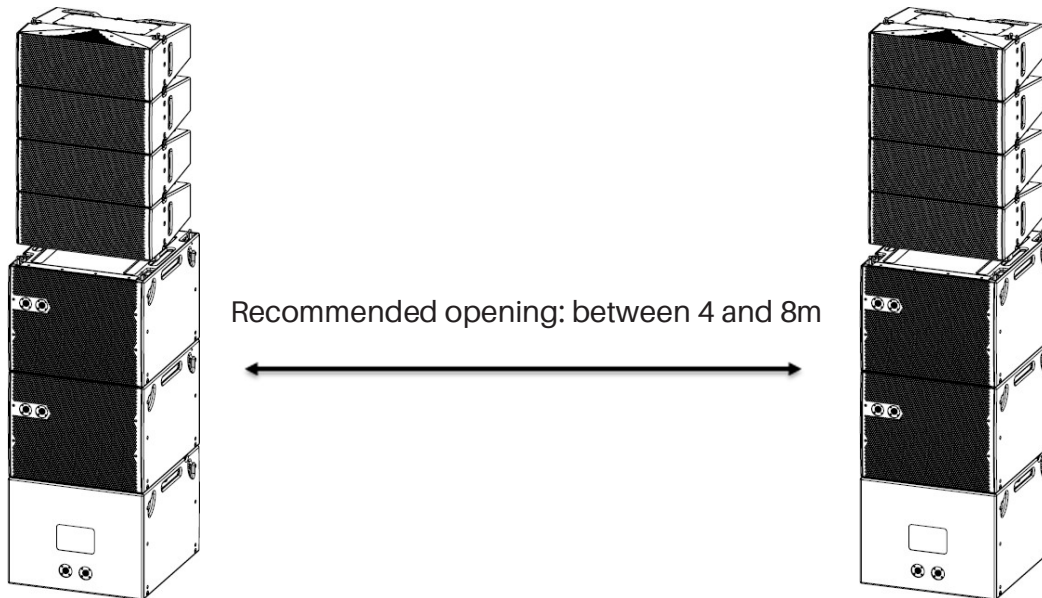
#14 & 15 - UC206N-PnP2-CD & UC206W-PnP2-CD

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 High-shelf if different angulation, see application note in Appendix 1).



I/O Routing

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

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

System Preset	UC206N - PnP2 - CD	
	UC206N AR	UC115B CD
Way	UC206N AR	UC115B CD
Gain [dB]	0	-3,5
Delay [ms]	0	0
XOver [Hz]	110	
LoShelf freq [Hz]	161	
LoShelf [oct]	1	
LoShelf gain [dB]	2	
HiShelf freq [Hz]	2000	
HiShelf [oct]	1	
HiShelf gain [dB]	-3	
PEQ syst1 [freq/oct/dB]	847/0,6/-3	
PEQ syst2 [freq/oct/dB]	3107/1,9/-2	
PEQ syst3 [freq/oct/dB]	10007/1,5/-4	
SUBS Group Gain [dB]	-6	

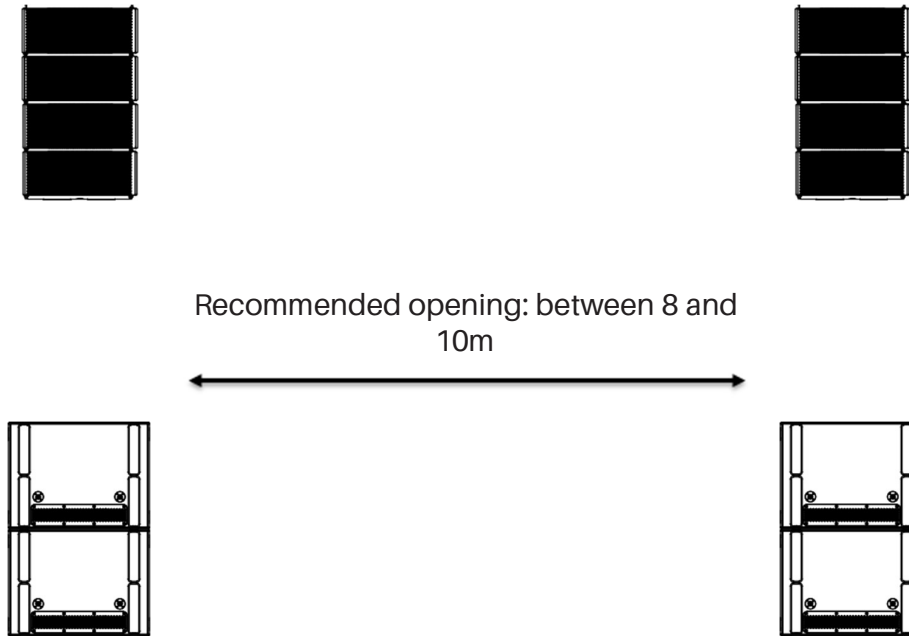
#16 & 17 - UC206N-PnP3 & UC206W-PnP3

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				
2 - UC206 Hi				
3 - UC118i 3				
4 - UC118i 4				

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

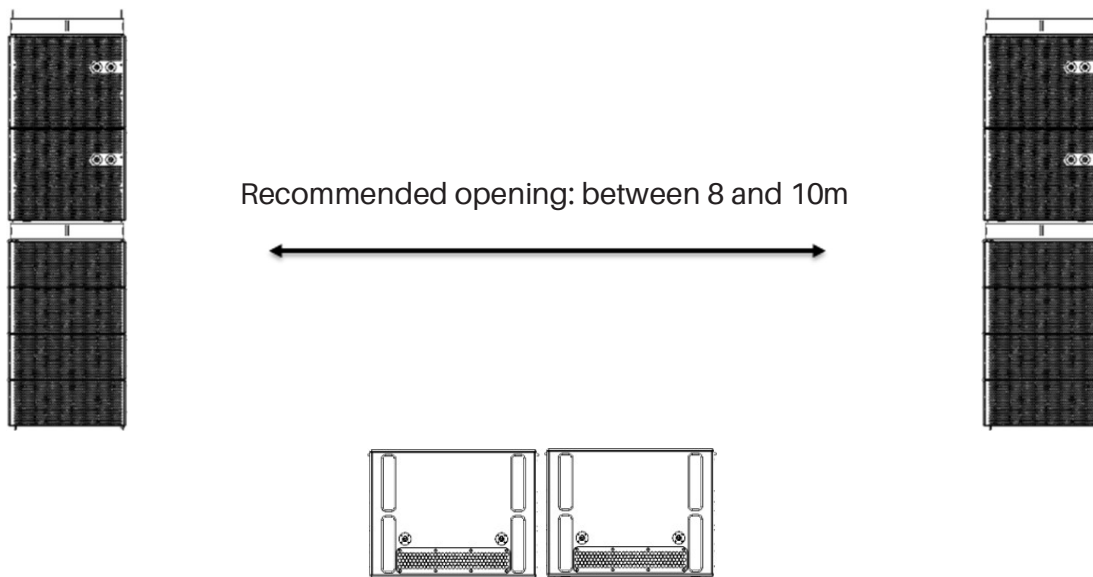
System Preset	UC206 - PnP3	
Way	UC206N AR	UC118i
Gain [dB]	0	-6
Delay [ms]	0	2,79
XOver [Hz]	80	
LoShelf freq [Hz]	161	
LoShelf [oct]	1	
LoShelf gain [dB]	3	
HiShelf freq [Hz]	5000	
HiShelf [oct]	1	
HiShelf gain [dB]	-2	
PEQ syst1 [freq/oct/dB]		
PEQ syst2 [freq/oct/dB]	3107/1,9/-3	
PEQ syst3 [freq/oct/dB]	10007/1,5/-4	
SUBS Group Gain [dB]	-6	

#18 & 19 - UC206N-PnP4 & UC206W-PnP4

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				
2 - UC206 Hi				
3 - UC115B 3 + 4				
4 - UC118i 2				

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

System Preset	UC206N - PnP4		
Way	UC206N AR 110	UC115B Bass OM 110	UC118i OM 60
Gain [dB]	0	-5,5	-2
Delay [ms]		2,85	7,39
XOver [Hz]		110 / 60	
LoShelf freq [Hz]		161	
LoShelf [oct]		1	
LoShelf gain [dB]		6	
HiShelf freq [Hz]		2000	
HiShelf [oct]		1	
HiShelf gain [dB]		-3	
PEQ syst1 [freq/oct/dB]			
PEQ syst2 [freq/oct/dB]			
PEQ syst3 [freq/oct/dB]		8000/0,6/-2	
SUBS Group Gain [dB]		0	

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