

Presets Guide

INSTALLATION AMPLIFIERS - CLOUDPOWER SERIES



English version

2.0.0

Release 2024-04

MPA4350

MPA4700

MPA41500



DA1.4

DA2.8

DA6



General information

Presets Guide Instal EN - Version 2.0.0
2024-04

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New features brought by the 2.0.0 preset update

Arbane Groupe updates its user preset banks in April 2024, which goes to version **2.0.0**.

- StepArray Presets v2.0

- Other Speakers Presets unchanged and remains in 1.8.11 version

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

- For a better reactivity, the Speaker Presets are now updated individually when needed.
- For any Speaker Preset update, a new 'Presets Bank' will be packaged and available for download on the APG and Active Audio websites. 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 and will be displayed on the front panel of the amplifier.

Workflow methods – Arbane Groupe

Gain structure

Arbane Groupe's Installation Amplifiers (APG DA1.4/2.8/6 and Active Audio MPA4350/4700/41500) gain is **+26dB**. Add **+6dB** Input Gain to match the standard gain of **+32dB**.

As part of a mixed installation between DA1.4/2.8/6 and DA8/12 platforms, add **+6dB** of input gain on APG DA1.4/2.8/6 amplifiers.

The rest of the gain chain remained identical to the APG 1.8.10 preset update:

- Analog/digital conversion alignment: **0dBu = -24dBFS**.
- **Nominal** usage level of each speaker reached at **0dBu with 8dB of headroom**.

Warning! The headroom is guaranteed for a speaker powered by one mono input. In the case of mono summing of two input channels, the output level will be increased by +6dB on Arbane Installation Amplifiers platforms. To recover the same headroom it will therefore be necessary to adjust the input gain to -6dB.

The speaker presets of the Arbane Groupe Installation Amplifiers platforms are mono-channel.

This means that the channels of a bi-amplified speaker preset are not linked and will need to be recalled separately.

Warning! The user must absolutely respect the recall of speaker presets according to the recommended wiring on the label or in the user manual of the speaker. In the case of bi-amplified speakers, the "LO" section is always wired 1+/1- (output A); the "HI" section is always wired 2+/2- (output B).

Warning! Arbane Groupe cannot be held responsible for any hardware failure occurring following an inversion in the recall of speaker presets or wiring. Therefore, the product warranty does not cover this usage error.
d'utilisation.

Presets nomenclature

This release uses the nomenclature used since version 1.8.9.

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.

W1 / W2 / W3 [...] W6 = Way1 / Way 2 / Way 3 [...] Way 6

Subwoofers 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

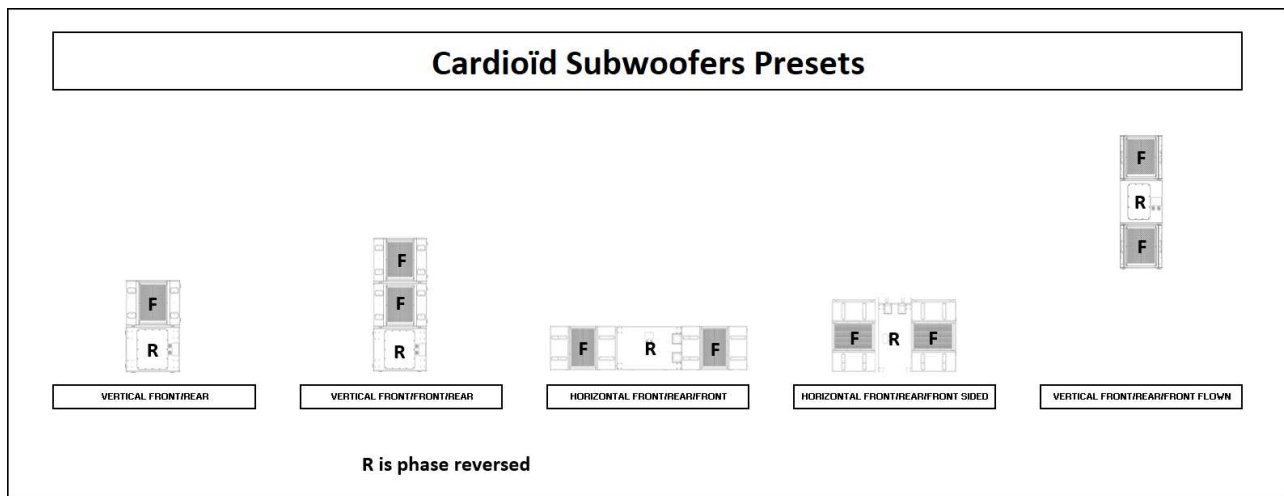
CD-V-FFR = Cardioid Vertical Front Front Rear (used for stacked configurations)

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

W1 / W2 = Way1 / Way 2. Used in cardioid subwoofer applications. The Front subwoofer is wired to W1. The Rear subwoofer is wired to W2.



Speakers Presets - Active Audio

Active Audio - Installation Amplifiers - Cloudpower

The following list presents all the speakers presets onboard the Active Audio MPA4350 / MPA4700 / MPA41500 installation amplifiers.

	N°	Preset Name	Application
Generic	1	Generic	Generic Preset - HPF 20Hz
Ray-On Series	2	Ray-On - Speech	RayOn - Speech Preset
	3	Ray-On - Music - FR	RayOn - Music Preset - Fullrange
	4	Ray-On - Music - WS110	RayOn - Music Preset - With Sub - Xover=110Hz
Step-Array Series	5	SA100P - W1-v2.0	SA100P - Way 1 - Bottom Section
	6	SA100P - W2-v2.0	SA100P - Way 2 - Middle Section
	7	SA100P - W3-v2.0	SA100P - Way 3 - Top Section
	8	SA180P - W1-v2.0	SA180P - Way 1 - Bottom Section
	9	SA180P - W2-v2.0	SA180P - Way 2 - Middle Section
	10	SA180P - W3-v2.0	SA180P - Way 3 - Top Section
	11	SA180S - W1-v2.0	SA180S - Way 1 - Bottom Section
	12	SA180S - W2-v2.0	SA180S - Way 2 - Middle Section
	13	SA180S - W3-v2.0	SA180S - Way 3 - Top Section
iS Series	14	iS110 - OM110	Vendome 5 - Fullrange
	15	iS110 - OM180	Vendome 5 - With Sub - Xover=110Hz
	16	iS112 - OM110	Vendome 8 - Fullrange
	17	iS112 - OM180	Vendome 8 - With Sub - Xover=110Hz
	18	iS115 - OM110	iS110 Xover=110Hz - Omnidirectional
	19	iS115 - OM180	iS110 Xover=180Hz - Omnidirectional
Vendôme Series	20	Vendôme5 -FR	iS112 Xover=110Hz - Omnidirectional
	21	Vendôme5 - WS110	iS112 Xover=180Hz - Omnidirectional
	22	Vendôme8 -FR	iS115 Xover=110Hz - Omnidirectional
	23	Vendôme8 - WS110	iS115 Xover=180Hz - Omnidirectional

Speakers Presets - APG

APG - Installation Amplifiers - Cloudpower

The following list presents all the speaker presets onboard the APG DA1.4 / DA2.8 / DA6 installation amplifiers.

	N°	Preset Name	Application
Generic	1	Generic	Generic Preset - HPF 20Hz
DX Series	2	DX5 FR	DX5 FOH - Fullrange
	3	DX5 MON	DX5 Monitor
	4	DX8 FR	DX8 FOH - Fullrange
	5	DX8 MON	DX8 Monitor
	6	DX12 FR	DX12 FOH - Fullrange
	7	DX12 MON	DX12 Monitor
	8	DX15 FR	DX15 FOH - Fullrange
	9	DX15 MON	DX15 Monitor
iX Series	10	iX5 FR	iX5 - Fullrange
	11	iX5 WS 110	iX5 - With Sub - Xover=110Hz
	12	iX6 FR	iX6 - Fullrange
	13	iX6 WS 110	iX6 - With Sub - Xover=110Hz
	14	iX8-M2 FR	iX8-M2 - Fullrange
	15	iX8-M2 WS 110	iX8-M2 - With Sub - Xover=110Hz
	16	iX12 FR	iX12 - Fullrange
	17	iX12 WS80	iX12 - With Sub - Xover=80Hz
	18	iX12 WS 110	iX12 - With Sub - Xover=110Hz
	19	iX15 FR	iX15 - Fullrange
	20	iX15 WS80	iX15 - Fullrange
21	iX15 WS 110	iX15 - With Sub - Xover=110Hz	
SPOT Series	22	SPOT2.6-4 FR	SPOT2.6 - 4Ohm - Fullrange
	23	SPOT2.6-4 WS 80	SPOT2.6 - 4Ohm - With Sub - Xover=80Hz
	24	SPOT2.6-4 WS 110	SPOT2.6 - 4Ohm - With Sub - Xover=110Hz
	25	SPOT2.6-16 FR	SPOT2.6 - 16Ohm - Fullrange
	26	SPOT2.6-16 WS 80	SPOT2.6 - 16Ohm - With Sub - Xover=80Hz
	27	SPOT2.6-16 WS 110	SPOT2.6 - 16Ohm - With Sub - Xover=110Hz

Uniline Compact	28	UC206N AR 60 Lo	UC206N Array Xover=60Hz - Lo Section
	29	UC206N AR 60 Hi	UC206N Array Xover=60Hz - Hi Section
	30	UC206N AR 80 Lo	UC206N Array Xover=80Hz - Lo Section
	31	UC206N AR 80 Hi	UC206N Array Xover=80Hz - Hi Section
	32	UC206N AR 110 Lo	UC206N Array Xover=110Hz - Lo Section
	33	UC206N AR 110 Hi	UC206N Array Xover=110Hz - Hi Section
	34	UC206W AR 60 Lo	UC206W Array Xover=60Hz - Lo Section
	35	UC206W AR 60 Hi	UC206W Array Xover=60Hz - Hi Section
	36	UC206W AR 80 Lo	UC206W Array Xover=80Hz - Lo Section
	37	UC206W AR 80 Hi	UC206W Array Xover=80Hz - Hi Section
	38	UC206W AR 110 Lo	UC206W Array Xover=110Hz - Lo Section
	39	UC206W AR 110 Hi	UC206W Array Xover=110Hz - Hi Section
	40	UC115B Bass OM 110	UC115B Bass Xover=110Hz - Omnidirectional
	41	UC115B Sub OM 110	UC115B Sub Xover=110Hz - Omnidirectional
	42	UC118i OM 60	UC118i Xover=60Hz - Omnidirectional
	43	UC118i OM 80	UC118i Xover=80Hz - Omnidirectional
	44	UC118i OM 110	UC118i Xover=110Hz - Omnidirectional
	45	UC118i CD V-FR 80 W1	UC118i Xover=80Hz - Cardioid Vertical Front-Rear - Way 1
46	UC118i CD V-FR 80 W2	UC118i Xover=80Hz - Cardioid Vertical Front-Rear - Way 2	

iS Series	47	iS110 OM 110	iS110 Xover=110Hz - Omnidirectional
	48	iS110 CD V-FR 110 W1	iS110 Xover=110Hz - Cardioid Vertical Front-Rear - Way 1
	49	iS110 CD V-FR 110 W2	iS110 Xover=110Hz - Cardioid Vertical Front-Rear - Way 2
	50	iS112 OM 110	iS112 Xover=110Hz - Omnidirectional
	51	iS112 CD V-FR 110 W1	iS112 Xover=110Hz - Cardioid Vertical Front-Rear - Way 1
	52	iS112 CD V-FR 110 W2	iS112 Xover=110Hz - Cardioid Vertical Front-Rear - Way 2
	53	iS115 OM 110	iS115 Xover=110Hz - Omnidirectional
	54	iS115 CD V-FR 110 W1	iS115 Xover=110Hz - Cardioid Vertical Front-Rear - Way 1
	55	iS115 CD V-FR 110 W2	iS115 Xover=110Hz - Cardioid Vertical Front-Rear - Way 2
	56	iS115 CD H-FRF 110 W1	iS115 Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Way 1
	57	iS115 CD H-FRF 110 W2	iS115 Xover=110Hz - Cardioid Horizontal Front-Rear-Front - Way 2



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APG

The logo for Active audio features a stylized ECG (heart rate) line in a grey color. Below the line, the word "Active" is written in a cursive, lowercase font, and the word "audio" is written in a smaller, lowercase, sans-serif font directly underneath it.

Active
audio