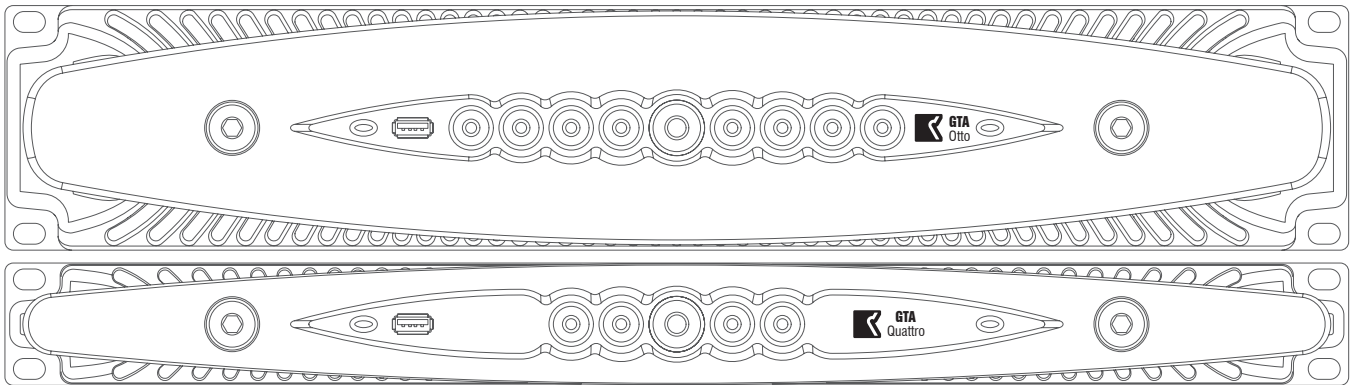




OUTLINE®

Preset Guide

GTA series



[•-] sound vision.

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Introduction.

GTA series offers a speaker preset library available on ArmoniaPlus. The speaker presets can be loaded connecting the amplifiers to a PC running ArmoniaPlus through a fast ethernet connection.

ArmoniaPlus is the default configuring interface that allows system setting and customization of GTA amplifiers. It is available for download for free from Armonia website, where a startup guide and in-depth tutorials are also provided:

<https://armonia.powersoft.it/>

Each loudspeaker model has one or more presets, and the aim of this guide is to provide help on how to use them, as well as to have an overview so you can choose the one that best suits your application needs.

The following data is given:

- **N° of ways** indicates the number of ways for the relative preset, as well as the number of required channels;
- **Type of ways** is a ways description that defines the section of the channel:
 - LF – low frequencies,
 - MF – mid frequencies,
 - HF – high frequencies,
 - MH – midhigh frequencies,
 - BS – bass frequencies,
 - PA – passive speaker,
 - SB – subwoofer,
 - RE – rear subwoofer for cardioid configuration.
- **Application** defines the preset contour or the use the preset is designed for:

FR - full range – maximum frequency extension of the loudspeaker,

HP – high pass – high pass version of the loudspeaker,

SUB – subwoofer – subwoofer application of the loudspeaker,

INFRA – infra application of the subwoofer,

Rear Cardio – rear subwoofer in cardioid configuration (the number 2+1 or similar means how many subwoofers must be front oriented vs how many of them must be rear oriented)

BASS – bass application of the loudspeaker.

- **Maximum number of linked speakers** shows the maximum number of loudspeakers that it is possible to link for each amp and per each channel. Exceeding the maximum number of elements per channel or amp can result in damage to the amplifier and the speakers.
- **Manufacturer EQ** is a set of equalizations aimed at compensating known behaviors (like loudspeaker coupling, air loss etc.). This guide indicates whether the preset model has the MEQs and which are the available options. Please, refer to the relative section here below for more details.
- **Electronic HPF/LPF**, electronic preset cut-off frequency: high pass filters are given for top loudspeakers and low pass filters for the subwoofers. These data could be different from the acoustic frequency cut-off.

Preset Layout.

Here's a little explanation of the preset layout, with delay, gain and equalization configurations.

Please note that the multi-way speaker presets already

include all required output channels, which are linked together ensuring that the speaker is driven correctly.

Delay.

Almost all the systems are pre-aligned and phase compliant: it means that from the largest system down to the smallest one, the majority of Outline products feature the same phase curve slope, except for all the discontinued products or those dedicated to special applications. In fact, positioning the enclosures with the front grilles one above the other, they will be perfectly aligned over time even using different applications (for example FR and HP).

To align two enclosures, it is sufficient to measure the

difference in signal path between the sources to find the delay that must be added to obtain the perfect audio signal sum. So even if you do not have any sophisticated measurement system, you can actually achieve a good level of system tuning.

In any case, we strongly suggest that you use a measurement software so you can verify the predicted acoustic coverage and compensate any not simulated ambience behaviour.

Gain.

Furthermore, the preset structure is designed to use different loudspeaker models of different sizes together (again, from the largest system down to the smallest

one), reaching their limiters at the same input level with default gain settings.

Manufacturer EQ.

MEQ are a set of equalizations designed to compensate the frequency response of the loudspeakers depending on the mechanical configuration or a specific application.

There are three categories (A, B, C) available:

- **Category A:** selectable amount of boxes that make up the whole array to compensate loudspeaker coupling, providing the right contour for the system.
 - The Ai 41 and Ai 81 loudspeakers offer two options
- related to as a 'Single Speaker' or as a 'Stereo Set' use;
 - **Category B:** selectable distance to be covered to compensate the air absorption. A-series offers two distinct options for different configurations, such as 'Wall Mounted' or 'Free Standing';
 - **Category C:** special application of the loudspeakers.

Arena

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Arena 215CX Bi Amp	2	LF MH	Full Range - GTA Series	4 (8)	4 (16)	N		N		N		35 Hz		Y
Arena 215CX Bi Amp	2	LF MH	High Pass - GTA Series	4 (8)	4 (16)	N		N		N		110 Hz		Y
Arena 215CX Mono Amp	1	PA	Full Range - GTA Series	2 (8)	2 (16)	N		N		N		35 Hz		Y
Arena 215CX Mono Amp	1	PA	High Pass - GTA Series	2 (8)	2 (16)	N		N		N		110 Hz		Y

A-series

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
AS6	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		Y*	free standing, wall mounted	N			100 Hz	Y
AS6	1	SB	Sub High - GTA Series	4 (16)	4 (32)	N		Y*	free standing, wall mounted	N			259 Hz	Y
AS6	1	SB	Sub - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
AS6	1	SB	Sub High - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Ai41	1	PA	High Pass - GTA Series	4 (16)	4 (32)	Y*	single speaker, stereo set	Y*	free standing, wall mounted	N		245 Hz		Y
Ai41	1	PA	High Pass Free Standing - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets

*MEQ for A-series only

A-series

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Ai41	1	PA	High Pass Wall Mounted - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Ai81	1	PA	High Pass - GTA Series	8 (32)	8 (64)	Y*	single speaker, stereo set	Y*	free standing, wall mounted	N		245 Hz		Y
Ai81	1	PA	High Pass Free Standing - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Ai81	1	PA	High Pass Wall Mounted - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Charlie 4	1	PA	Full Range - GTA Series	8 (32)	8 (64)	N		N		N		115 Hz		Y
Charlie 4	1	PA	High Pass - GTA Series	8 (32)	8 (64)	N		N		N		115 Hz		Y
Charlie 4	1	PA	Full Range - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Charlie 4	1	PA	High Pass - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets

*MEQ for A-series only

Butterfly

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Butterfly	2	LF HF	High Pass - GTA Series	2 (4)	2 (8)	N		N		N		110 Hz		Y
Butterfly CDL 1815	2	SB RE	Sub - GTA Series	2 (4)	2 (8)	N		N		N			110 Hz	Y

Doppia 2

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Doppia 2 A 5040	3	LF MF HF	Full Range - GTA Series	4 (4)	4 (8)	N		N		N		40 Hz		Only with DOPPIA 2 series
Doppia 2 A 5040	3	LF MF HF	High Pass - GTA Series	4 (4)	4 (8)	N		N		N		80 Hz		Only with DOPPIA 2 series
Doppia 2 A 9075	3	LF MF HF	Full Range - GTA Series	4 (4)	4 (8)	N		N		N		40 Hz		Only with DOPPIA 2 series
Doppia 2 A 9075	3	LF MF HF	High Pass - GTA Series	4 (4)	4 (8)	N		N		N		80 Hz		Only with DOPPIA 2 series
Doppia 2 P 5040	2	LF MH	Full Range - GTA Series	2 (4)	2 (8)	N		N		N		40 Hz		Only with DOPPIA 2 series
Doppia 2 P 5040	2	LF MH	High Pass - GTA Series	2 (4)	2 (8)	N		N		N		80 Hz		Only with DOPPIA 2 series
Doppia 2 P 9075	2	LF MH	Full Range - GTA Series	2 (4)	2 (8)	N		N		N		40 Hz		Only with DOPPIA 2 series
Doppia 2 P 9075	2	LF MH	High Pass - GTA Series	2 (4)	2 (8)	N		N		N		80 Hz		Only with DOPPIA 2 series

DVS

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
DVS 12	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		40 Hz		Only with DVS series
DVS 12	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		90 Hz		Only with DVS series
DVS 15	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		40 Hz		Only with DVS series
DVS 15	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		80 Hz		Only with DVS series

Eidos

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Eidos 10	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		60 Hz		Only with EIDOS series
Eidos 10	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz		Only with EIDOS series
Eidos 12	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		50 Hz		Only with EIDOS series
Eidos 12	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz		Only with EIDOS series
Eidos 15	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		40 Hz		Only with EIDOS series
Eidos 15	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz		Only with EIDOS series
Eidos 265	1	PA	Full Range - GTA Series	4 (16)	4 (32)	Y	02 to 04 boxes, 05 to 08 boxes, 09 to 12 boxes, single box	Y	05 to 10 m, 10 to 20 m, 20 to 30 m, 30 to 40 m, 40 m and more	N		65 Hz		Y

Eidos

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Eidos 265	1	PA	High Pass - GTA Series	4 (16)	4 (32)	Y	02 to 04 boxes, 05 to 08 boxes, 09 to 12 boxes, single box	Y	05 to 10 m, 10 to 20 m, 20 to 30 m, 30 to 40 m, 40 m and more	N		100 Hz		Y
Eidos 6.5	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		53 Hz		Only with EIDOS series
Eidos 6.5	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz		Only with EIDOS series
Eidos X123W	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		40 Hz		Only with EIDOS series
Eidos X123W	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz		Only with EIDOS series

GTO

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
C12	4	MF HF L1 L2	Full Range - GTA Series	3 (3)	3 (6)	Y	03 boxes, 06 boxes, 09 boxes, 12 boxes, 15 boxes, 18 boxes, 21 boxes, 24 boxes	Y	05 to 15 m, 15 to 30 m, 30 to 45 m, 45 to 60 m, 60 m and more	N		45 Hz		Y
C12	4	MF HF L1 L2	High Pass - GTA Series	3 (3)	3 (6)	Y	03 boxes, 06 boxes, 09 boxes, 12 boxes, 15 boxes, 18 boxes, 21 boxes, 24 boxes	Y	05 to 15 m, 15 to 30 m, 30 to 45 m, 45 to 60 m, 60 m and more	N		50 Hz		Y

GTO

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
GTO	4	MF HF L1 L2	Full Range - GTA Series	3 (3)	3 (6)	Y	03 boxes, 06 boxes, 09 boxes, 12 boxes, 15 boxes, 18 boxes, 21 boxes, 24 boxes	Y	05 to 15 m, 15 to 30 m, 30 to 45 m, 45 to 60 m, 60 m and more	N		60 Hz		Y
GTO	4	MF HF L1 L2	High Pass - GTA Series	3 (3)	3 (6)	Y	03 boxes, 06 boxes, 09 boxes, 12 boxes, 15 boxes, 18 boxes, 21 boxes, 24 boxes	Y	05 to 15 m, 15 to 30 m, 30 to 45 m, 45 to 60 m, 60 m and more	N		60 Hz		Y
GTO Low	2	L1 L2	Full Range - GTA Series	3 (6)	3 (12)	N		N		N		60 Hz		Y
GTO Low	2	L1 L2	High Pass - GTA Series	3 (6)	3 (12)	N		N		N		60 Hz		Y
GTO-DF	2	MF HF	Full Range - GTA Series	1 (2)	1 (4)	N		N		N		120 Hz		Y
GTO-DF	2	MF HF	High Pass - GTA Series	1 (2)	1 (4)	N		N		N		120 Hz		Y
LIPF 082	2	LF HF	Full Range - GTA Series	4 (8)	4 (16)	N		N		N		120 Hz		Y
LIPF 082	2	LF HF	High Pass - GTA Series	4 (8)	4 (16)	N		N		N		160 Hz		Y

Hard 212

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Hard 212	2	LF HF	Full Range - GTA Series	4 (8)	4 (16)	N		N		N		65 Hz		N
Hard 212	2	LF HF	High Pass - GTA Series	4 (8)	4 (16)	N		N		N		100 Hz		N

Ki

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Ki10	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		Y	standard, karaoke	50 Hz		Y
Ki10	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		Y	standard, karaoke	120 Hz		Y
Ki12	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		Y	standard, karaoke	50 Hz		Y
Ki12	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		Y	standard, karaoke	120 Hz		Y

Mantas

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Mantas	2	LF HF	High Pass - GTA Series	4 (8)	4 (16)	N		N		N		100 Hz		Y

Mantas 28

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Mantas 28	2	LF HF	Full Range - GTA Series	4 (8)	4 (16)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 06 boxes, 08 boxes, 10 boxes, 12 boxes, 16 boxes, 20 boxes, 24 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more, front fill	N		100 Hz		Y

Mantas 28

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Mantas 28	2	LF HF	High Pass - GTA Series	4 (8)	4 (16)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 06 boxes, 08 boxes, 10 boxes, 12 boxes, 16 boxes, 20 boxes, 24 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more, front fill	N		100 Hz	Y	

Monaco

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Monaco 215CX Bi Amp	2	LF MH	Full Range - GTA Series	4 (8)	4 (16)	N		N		N		35 Hz	Y	
Monaco 215CX Bi Amp	2	LF MH	High Pass - GTA Series	4 (8)	4 (16)	N		N		N		110 Hz	Y	
Monaco 215CX Mono Amp	1	PA	Full Range - GTA Series	2 (8)	2 (16)	N		N		N		35 Hz	Y	
Monaco 215CX Mono Amp	1	PA	High Pass - GTA Series	2 (8)	2 (16)	N		N		N		110 Hz	Y	

Movie

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
MV1CX	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		52 Hz		Only with MOVIE series
MV2CX	1	PA	Full Range - GTA Series	2 (8)	2 (16)	N		N		N		28 Hz		Only with MOVIE series
MVB215	1	BS	Bass - GTA Series	2 (8)	2 (16)	N		N		N			320 Hz	Only with MOVIE series
MVB215	2	BS BS	Bass 2 Ch. - GTA Series	4 (8)	4 (16)	N		N		N			320 Hz	Only with MOVIE series
MVFX101	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		45 Hz		Only with MOVIE series
MVH102	1	MH	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		350 Hz		Only with MOVIE series
MVS118	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		N		N			150 Hz	Only with MOVIE series
MVS218	1	SB	Sub - GTA Series	2 (8)	2 (16)	N		N		N			150 Hz	Only with MOVIE series
MVS218	2	SB SB	Sub 2 Ch. - GTA Series	4 (8)	4 (16)	N		N		N			150 Hz	Only with MOVIE series

Scala

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Scala 100-30	2	LF HF	Full Range - GTA Series	1 (2)	1 (4)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 05 boxes, 06 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 40 m, 40 to 60 m	Y	standard, FIFA compliant	75 Hz		Y
Scala 100-30	2	LF HF	High Pass - GTA Series	1 (2)	1 (4)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 05 boxes, 06 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 40 m, 40 to 60 m	Y	standard, FIFA compliant	120 Hz		Y
Scala 90	2	LF HF	Horizontal Array FR - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	N		N		70 Hz		Y
Scala 90	2	LF HF	Horizontal Array HP - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	N		N		100 Hz		Y

Scala

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Scala 90	2	LF HF	Vertical Array FR - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	Y	05 to 20 m, 20 to 40 m, 40 to 60 m	N		70 Hz		Y
Scala 90	2	LF HF	Vertical Array HP - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	Y	05 to 20 m, 20 to 40 m, 40 to 60 m	N		100 Hz		Y

SM

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
SM 112	2	LF HF	Monitor - GTA Series	4 (8)	4 (16)	N		N		N		70 Hz		Only with SM series
SM 115	2	LF HF	Monitor - GTA Series	4 (8)	4 (16)	N		N		N		50 Hz		Only with SM series
SM 212	2	LF HF	Monitor - GTA Series	4 (8)	4 (16)	N		N		N		45 Hz		Only with SM series

Spectra 2

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Spectra 2 9075	2	MF HF	Full Range - GTA Series	2 (4)	2 (8)	N		N		N		40 Hz		N
Spectra 2 9075	2	MF HF	High Pass - GTA Series	2 (4)	2 (8)	N		N		N		80 Hz		N

Stadia

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Stadia 100-10	2	LF HF	High Pass - GTA Series	1 (2)	1 (4)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 05 boxes, 06 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more	N		100 Hz		N
Stadia 100-20	2	LF HF	High Pass - GTA Series	1 (2)	1 (4)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 05 boxes, 06 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more	N		100 Hz		N
Stadia 100-30	2	LF HF	High Pass - GTA Series	1 (2)	1 (4)	Y	01 box, 02 boxes, 03 boxes, 04 boxes, 05 boxes, 06 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more	N		100 Hz		N
Stadia 28	2	LF HF	Horizontal Array FR - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	N		N		70 Hz		Y
Stadia 28	2	LF HF	Horizontal Array HP - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	N		N		100 Hz		Y
Stadia 28	2	LF HF	Vertical Array FR - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	Y	05 to 20 m, 20 to 40 m, 40 to 60 m	N		70 Hz		Y
Stadia 28	2	LF HF	Vertical Array HP - GTA Series	4 (8)	4 (16)	Y	2 to 3 boxes, 4 to 6 boxes, single box	Y	05 to 20 m, 20 to 40 m, 40 to 60 m	N		100 Hz		Y

SUBS

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
DBS 18-2	1	SB	Sub - GTA Series	1 (4)	1 (8)	N		N		N		70 Hz	Y	
DBS 18-2	1	RE	Rear Cardio 2+1 - GTA Series	1 (4)	1 (8)	N		N		N		70 Hz	Y	
DBS 18-2	1	RE	Rear Cardio 3+1 - GTA Series	1 (4)	1 (8)	N		N		N		70 Hz	Y	
DBS 18-2	2	SB SB	Sub 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		70 Hz	Y	
DBS 18-2	2	RE RE	Rear Cardio 2+1 2 Ch.- GTA Series	2 (4)	2 (8)	N		N		N		70 Hz	Y	
DBS 18-2	2	RE RE	Rear Cardio 3+1 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		70 Hz	Y	
DBS 18-2	1	SB	Infra - GTA Series	1 (4)	1 (8)	N		N		N		50 Hz	Y	
DBS 18-2	2	SB SB	Infra 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		50 Hz	Y	
DVS 115	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz	Only with DVS series	
DVS 115	1	SB	Infra - GTA Series	4 (16)	4 (32)	N		N		N		80 Hz	Only with DVS series	
DVS 118	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz	Only with DVS series	
DVS 118	1	SB	Infra - GTA Series	4 (16)	4 (32)	N		N		N		80 Hz	Only with DVS series	
Eidos 108S	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz	Only with EIDOS series	
Eidos 108S	1	SB	Sub High - GTA Series	4 (16)	4 (32)	N		N		N		160 Hz	Only with EIDOS series	
Eidos 215S	1	SB	Sub - GTA Series	2 (8)	2 (16)	N		N		N		100 Hz	Only with EIDOS series	
Eidos 215S	1	SB	Infra - GTA Series	2 (8)	2 (16)	N		N		N		60 Hz	Only with EIDOS series	
Eidos 218S	1	SB	Sub LR24 - GTA Series	1 (4)	1 (8)	N		N		N		100 Hz	Only with EIDOS series	
Eidos 218S	1	SB	Sub LR36 - GTA Series	1 (4)	1 (8)	N		N		N		100 Hz	Only with EIDOS series	

SUBS

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Flysub 15	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz	Y	
GTO Sub	1	SB	Sub - GTA Series	1 (4)	1 (8)	N		N		N		70 Hz	Y	
GTO Sub	1	RE	Rear Cardio 2+1 - GTA Series	1 (4)	1 (8)	N		N		N		70 Hz	Y	
GTO Sub	1	RE	Rear Cardio 3+1 - GTA Series	1 (4)	1 (8)	N		N		N		70 Hz	Y	
GTO Sub	2	SB SB	Sub 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		70 Hz	Y	
GTO Sub	2	RE RE	Rear Cardio 2+1 2 Ch.-GTA Series	2 (4)	2 (8)	N		N		N		70 Hz	Y	
Sub 110	1	SB	Sub - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-			Only within Mezzo series amp presets	
Sub 110	1	SB	Sub High - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-			Only within Mezzo series amp presets	
GTO Sub	2	RE RE	Rear Cardio 3+1 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		70 Hz	Y	
GTO Sub	1	SB	Infra - GTA Series	1 (4)	1 (8)	N		N		N		50 Hz	Y	
GTO Sub	2	SB SB	Infra 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		50 Hz	Y	
ST Sub 215	1	SB	Sub - GTA Series	1 (4)	1 (8)	N		N		N		90 Hz	Y	
ST Sub 215	1	RE	Rear Cardio 2+1 - GTA Series	1 (4)	1 (8)	N		N		N		90 Hz	Y	
ST Sub 215	2	SB SB	Sub 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		90 Hz	Y	
ST Sub 215	2	RE RE	Rear Cardio 2+1 2 Ch.-GTA Series	2 (4)	2 (8)	N		N		N		90 Hz	Y	

SUBS

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
ST Sub 215	1	SB	Infra - GTA Series	1 (4)	1 (8)	N		N		N		65 Hz	Y	
ST Sub 215	2	SB SB	Infra 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		65 Hz	Y	
Sub 110	1	SB	Sub - GTA Series	4 (16)	4 (32)	N		N		N		100 Hz	Y	
Sub 110	1	SB	Sub High - GTA Series	4 (16)	4 (32)	N		N		N		120 Hz	Y	
Sub 118	1	SB	Sub - GTA Series	2 (8)	2 (16)	N		N		N		100 Hz	Y	
Sub 118	1	RE	Rear Cardio 1+1 - GTA Series	2 (8)	2 (16)	N		N		N		100 Hz	Y	
Sub 118	1	RE	Rear Cardio 2+1 - GTA Series	2 (8)	2 (16)	N		N		N		100 Hz	Y	
Sub 118	1	SB	Infra - GTA Series	2 (8)	2 (16)	N		N		N		80 Hz	Y	
Sub 215	1	SB	Sub - GTA Series	1 (4)	1 (8)	N		N		N		90 Hz	Y	
Sub 215	1	RE	Rear Cardio 2+1 - GTA Series	1 (4)	1 (8)	N		N		N		90 Hz	Y	
Sub 215	2	SB SB	Sub 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		90 Hz	Y	
Sub 215	2	RE RE	Rear Cardio 2+1 2 Ch.- GTA Series	2 (4)	2 (8)	N		N		N		90 Hz	Y	
Sub 215	1	SB	Infra - GTA Series	1 (4)	1 (8)	N		N		N		65 Hz	Y	
Sub 215	2	SB SB	Infra 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N		65 Hz	Y	

SUBS

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Sub 218	1	SB	Sub - GTA Series	1 (4)	1 (8)	N		N		N			100 Hz	Y
Sub 218	1	RE	Rear Cardio 2+1 - GTA Series	1 (4)	1 (8)	N		N		N			100 Hz	Y
Sub 218	2	SB SB	Sub 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N			100 Hz	Y
Sub 218	2	RE RE	Rear Cardio 2+1 2 Ch.- GTA Series	2 (4)	2 (8)	N		N		N			100 Hz	Y
Sub 218	1	SB	Infra - GTA Series	1 (4)	1 (8)	N		N		N			65 Hz	Y
Sub 218	2	SB SB	Infra 2 Ch. - GTA Series	2 (4)	2 (8)	N		N		N			65 Hz	Y

Superfly

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Superfly	4	MF HF L1 L2	Full Range - GTA Series	4 (4)	4 (8)	Y	04 boxes, 06 boxes, 08 boxes, 10 boxes, 12 boxes, 16 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more	N			50 Hz	Y
Superfly	4	MF HF L1 L2	High Pass - GTA Series	4 (4)	4 (8)	Y	04 boxes, 06 boxes, 08 boxes, 10 boxes, 12 boxes, 16 boxes	Y	05 to 15 m, 15 to 25 m, 25 to 35 m, 35 to 45 m, 45 to 55 m, 55 m and more	N			100 Hz	Y

Tripla

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Tripla 2 5040	3	LF MF HF	Full Range - GTA Series	3 (3)	3 (6)	N		N		N		35 Hz		Only with TRIPLA series
Tripla 2 5040	3	LF MF HF	High Pass - GTA Series	3 (3)	3 (6)	N		N		N		80 Hz		Only with TRIPLA series
Tripla 2 9075	3	LF MF HF	Full Range - GTA Series	3 (3)	3 (6)	N		N		N		35 Hz		Only with TRIPLA series
Tripla 2 9075	3	LF MF HF	High Pass - GTA Series	3 (3)	3 (6)	N		N		N		80 Hz		Only with TRIPLA series

Vegas

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Vegas 4	1	PA	Full Range - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Vegas 4	1	PA	High Pass - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Vegas 4	1	PA	Full Range - GTA Series	8 (32)	8 (64)	N		N		N		115 Hz		Y
Vegas 4	1	PA	High Pass - GTA Series	8 (32)	8 (64)	N		N		N		115 Hz		Y
Vegas 24	1	PA	High Pass - Mezzo Series	Only for Powersoft Mezzo series - NOT officially supported		-		-		-				Only within Mezzo series amp presets
Vegas 24	1	PA	High Pass - GTA Series	8 (32)	8 (64)	N		N		N		100 Hz		Y
Vegas 6.5	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		50 Hz		Y
Vegas 6.5	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		125 Hz		Y

Vegas

Model	Ways		Application	Max number of linked speakers per channel (per amp)		Manufacturer EQ						Electronic HPF	Electronic LPF	Phase compliant
	N°	Type		GTA quattro	GTA otto	Cat. A	Desc.	Cat. B	Desc.	Cat. C	Desc.			
Vegas 8CX	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		Y	standard, stage monitor	50 Hz		Y
Vegas 8CX	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		Y	standard, stage monitor	128 Hz		Y
Vegas 10	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		60 Hz		Y
Vegas 10	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		105 Hz		Y
Vegas 12	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		50 Hz		Y
Vegas 12	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		120 Hz		Y
Vegas 12CX	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		Y	standard, stage monitor	40 Hz		Y
Vegas 12CX	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		Y	standard, stage monitor	40 Hz		Y
Vegas 15	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		N		40 Hz		Y
Vegas 15	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		N		110 Hz		Y
Vegas 15CX	1	PA	Full Range - GTA Series	4 (16)	4 (32)	N		N		Y	standard, stage monitor	50 Hz		Y
Vegas 15CX	1	PA	High Pass - GTA Series	4 (16)	4 (32)	N		N		Y	standard, stage monitor	120 Hz		Y



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