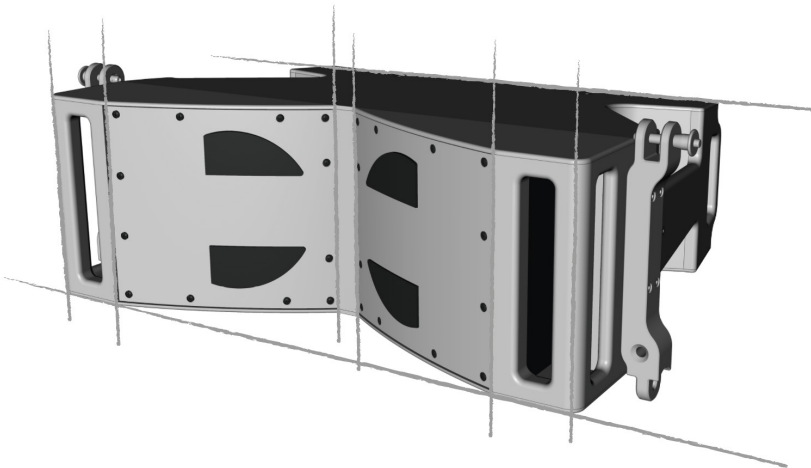




Recommended System Designs

Mantas 28

Extraordinary cost-to-efficiency ratio



[•-] sound vision.

Mantas 28 Recommended System Designs
Version: 0340
Release date: 2025/01/12
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Refer all servicing to qualified personnel, through your Outline dealer.

System description.

PRODUCT DESCRIPTION: Its top-grade components – two 8-inch midwoofers with Neodymium magnets and a 3-inch compression driver loaded with the well-known D.P.R.W.G. – ensure absolutely insignificant distortion levels and greater reliability. In simple operational terms, Mantas 28 can best be described as a ‘compact, medium throw’ line-source system, delivering exceptional intelligibility, headroom and power up to around 60 metres depending on location and configuration. Many systems can make the same claim in terms of performance, but very few achieve these results from an enclosure which is so small and light in weight.

KITS DESCRIPTION: These configurations ensure the best ratio between loudspeakers & amplifiers quantity, thus becoming an excellent investment with a fast economic return. They also guarantee an optimal combination between different kits of different product families (e.g. GTO kits & Mantas 28 kits), facilitating the cooperation within the Outline Rental Network thanks to the plug & play solutions.

MANTAS 28 SILVER CONFIGURATION

Minimum configuration suitable to reinforce a 500 to 1 000 people audience area, with high size/power ratio. Perfect matching with all GTO, C-12 & Superfly kits for downfill and outfill applications.

MANTAS 28 GOLDEN CONFIGURATION

Complete solution suitable to reinforce a 600 to 1 500 people audience area. Perfect matching with all GTO, C-12 & Superfly kits for downfill and outfill applications.

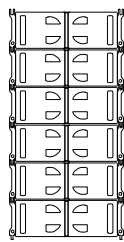
MANTAS 28 PLATINUM CONFIGURATION

Complete solution to reinforce a 1 500 to 3 000 people audience area. Perfect matching with all GTO, C-12 & Superfly kits for downfill and outfill applications.

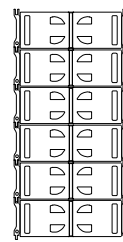
	MANTAS 28	DBS 18-2	RACK A	NEWTON
SILVER	12	6	2	1
GOLDEN	16	8	2	1
PLATINUM	28	12	4	1

Mantas 28 Silver Configuration.

O1MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	12
O1DBS18-2UF	High power ground-stackable subwoofer: 2 × 18"	6
A FRM1-AL630	Flying frame for Mantas28/Superfly	2
V SP4LKI8-12	LKI8/4 x NL4 Y split speaker cable, length 12 m	2
A SPK4X4-15	NL4 speaker cable, 4 × 4 mm ² , length 15 m	4
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5 mm ² , length 0.7 m	8
RACK A	4U touring rack with 1 GTA-Otto amplifier*	2
A FCASE-M28-3P	Flight case for 3 Mantas28	4
A SCAP-DBS18-2	Protective cover for 2 DBS18-2 on cart	6
A TROLLEY-13	Touring cart/front panel for DBS18-2	6
NEWTON RACK	4U touring rack with 1 Newton 16+8*	1
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

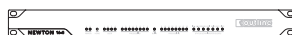


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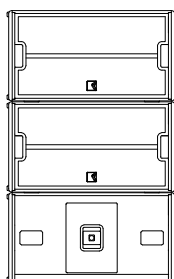


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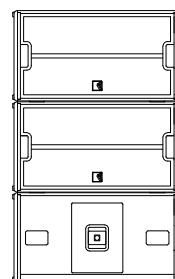
NEWTON 16+8



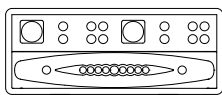
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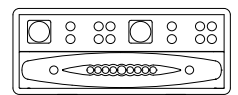
#3 DBS18-2



RACK A



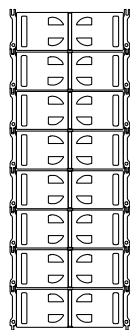
RACK A



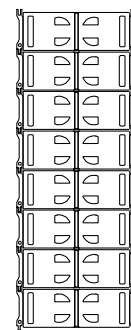
* More details @ the end of the document.

Mantas 28 Golden Configuration.

O1MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	16
O1DBS18-2	High power ground-stackable subwoofer: 2 × 18"	8
A FRM1-AL630	Flying frame for Mantas28/Superfly	2
V SP4LK18-12	LK18/4 x NL4 Y split speaker cable, length 12 m	2
A SPK4X4-15	NL4 speaker cable, 4 × 4 mm ² , length 15 m	4
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5 mm ² , length 0.7 m	12
RACK A	4U touring rack with 1 GTA-Otto amplifier*	2
A FCASE-M28-2P	Flight case for 2 Mantas28	8
A SCAP-DBS18-2	Protective cover for 2 DBS18-2 on cart	8
A TROLLEY-13	Touring cart/front panel for DBS18-2	8
NEWTON RACK	4U touring rack with 1 Newton 16+8*	1
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

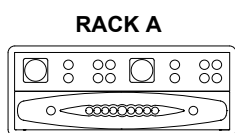


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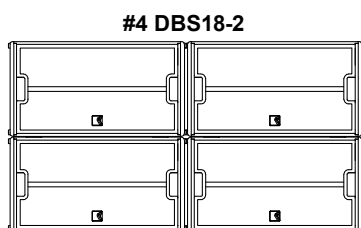


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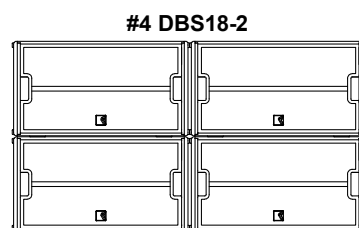
NEWTON 16+8



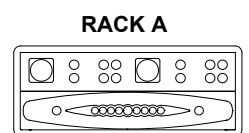
RACK A



#4 DBS18-2



#4 DBS18-2



RACK A

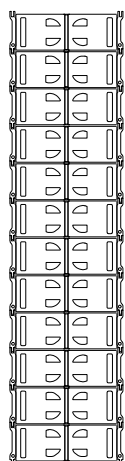
* More details @ the end of the document.

Mantas 28 Platinum Configuration.

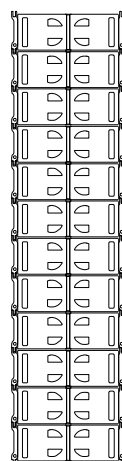
O1MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	28
O1DBS18-2UF	High power ground-stackable subwoofer: 2 × 18"	12
A FRM1-AL630	Flying frame for Mantas28/Superfly	2
V SP4LKI8-12	LKI8/4 x NL4 Y split speaker cable, length 12 m	4
A SPK4X4-10	NL4 speaker cable, 4 × 4 mm ² , length 10 m	4
A SPK4X4-15	NL4 speaker cable, 4 × 4 mm ² , length 15 m	6
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5 mm ² , length 0.7 m	18
RACK A	4U touring rack with 1 GTA-Otto amplifier*	4
A FCASE-M28-2P	Flight case for 2 Mantas28	14
A SCAP-DBS18-2	Protective cover for 2 DBS18-2 on cart	12
A TROLLEY-13	Touring cart/front panel for DBS18-2	12
NEWTON RACK	4U touring rack with 1 Newton 16+8*	1
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

* More details @ the end of the document.

Mantas 28 Platinum Configuration.



#12 MANTAS28



#12 MANTAS28

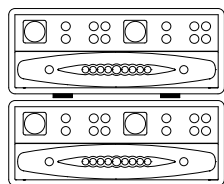
NEWTON 16+8



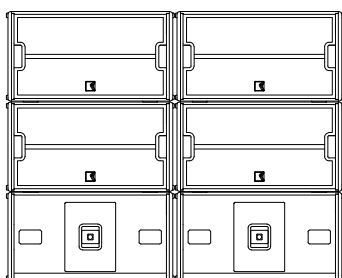
#4 MANTAS 28



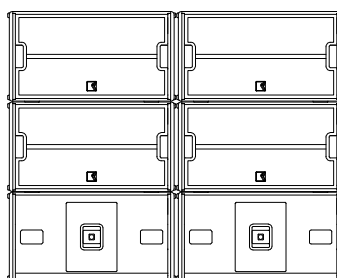
#2 RACK A



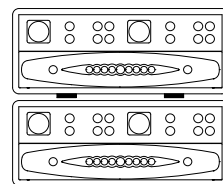
#6 DBS18-2



#6 DBS18-2

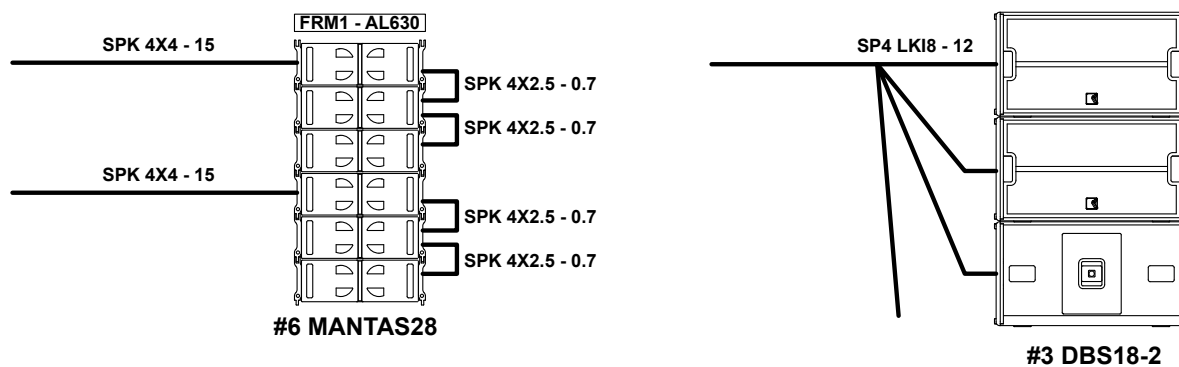


#2 RACK A



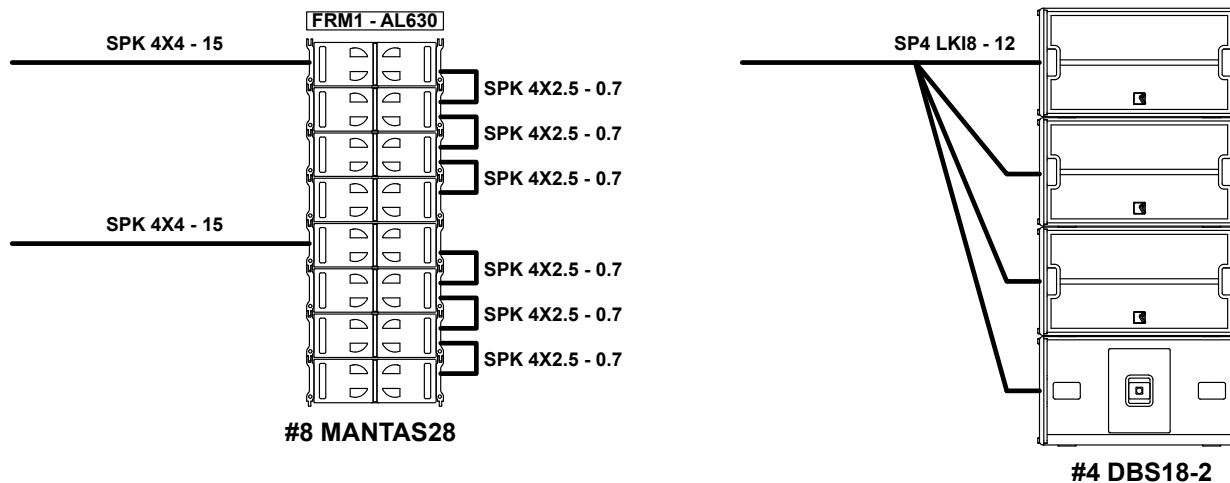
Mantas 28 Silver Wiring.

(half system diagram)



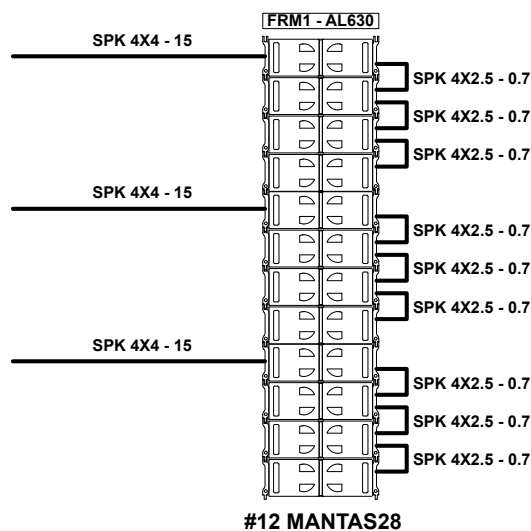
Mantas 28 Golden Wiring.

(half system diagram)

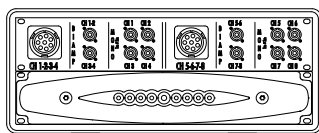


Mantas 28 Platinum Wiring.

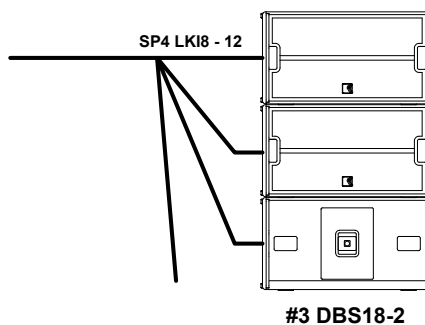
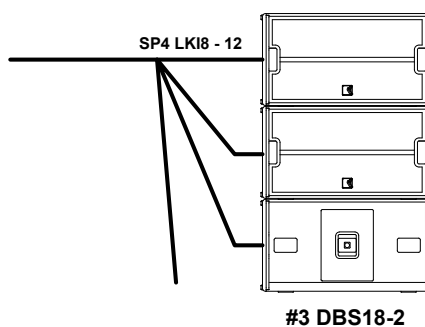
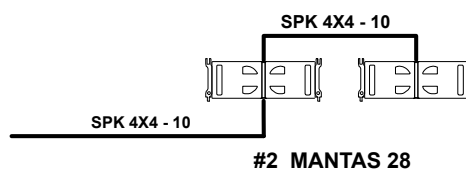
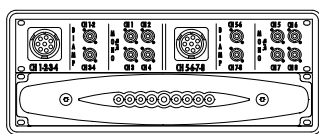
(half system diagram)



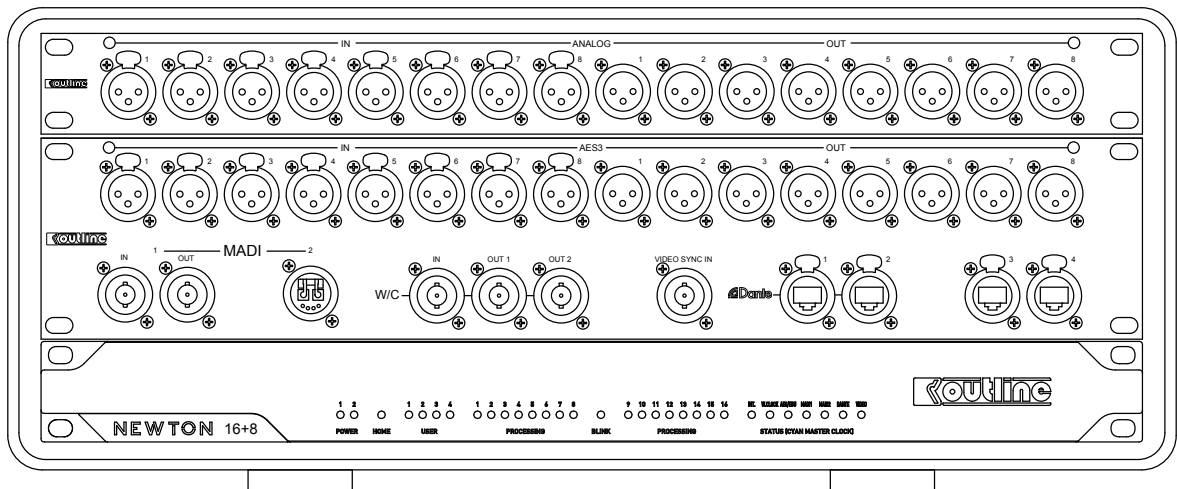
RACK A



RACK A

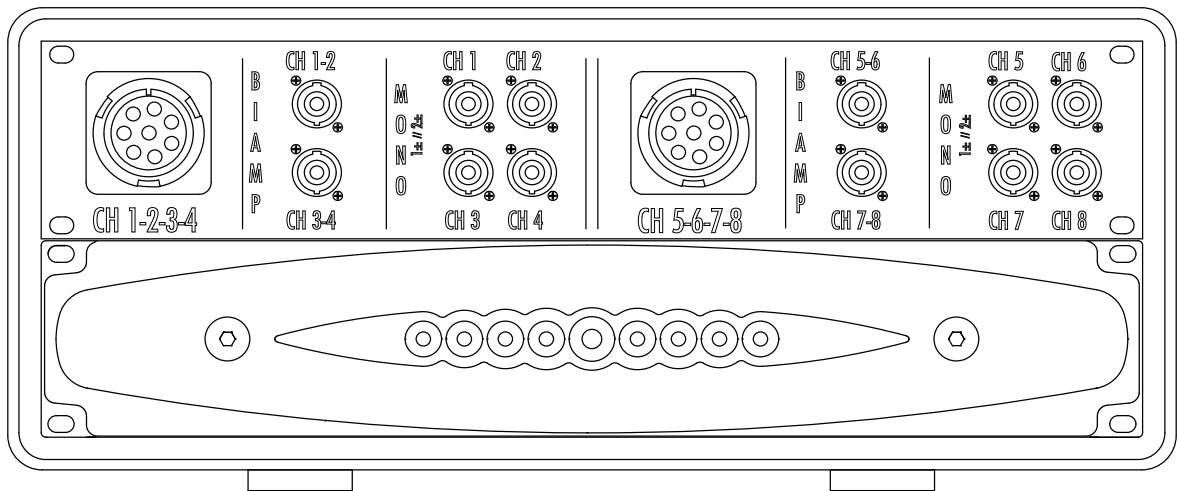


Newton Rack.



O NWT16+8	FPGA-based processor featuring WFIR filtering technology (patent pending)	1
A CABLANWT-ANL	1U analog signal distribution panel for Newton	1
A CABLANWT-DGT	2U analog signal distribution panel for Newton	1
A AMP-RACK4U	4U amplifier rack (reduced depth)	1

Rack A.



O1GTA8D	8-channel touring amplifier: 8 × 3000	1
A CABLA1-OX8	2U output signal distribution panel	1
A AMP-RACK2OX4	4U amplifier rack (extended depth)	1



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