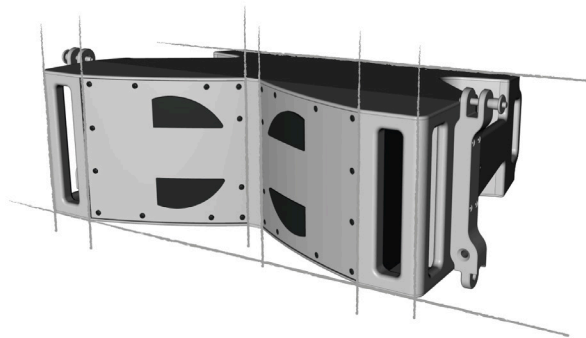


# MANTAS 28

RECOMMENDED SYSTEM DESIGNS



September 2023 VER 3.3

**ROUTINE**

# SYSTEMS' 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.

## MANTAS28 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.

## MANTAS28 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.

## MANTAS28 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.

	MANTAS28	DBS18-2	RACK A	NEWTON
SILVER	12	6	2	1
GOLDEN	16	8	2	1
PLATINUM	28	12	4	1

## MANTAS28 SILVER CONFIGURATION

MANTAS 28	Two-way DPRWG® line array element	12
DBS 18-2	Ultra-low frequency extension touring array element. 2 x 18" LF. Stacked applications	6
FRM1-AL630	Superfly/Mantas28 aluminium main frame	2
SP4 LKI8-12	12 m subwoofer cable (8pole x 4 mm <sup>2</sup> ) with male LKI8 / 4 NL4 speakon connectors	2
SPK 4X4-15	15 m loudspeaker cable (4 poles x 4 mm <sup>2</sup> ) with NL4 speakon connectors	4
SPK 4X2.5-0.7	70 cm loudspeaker cable (4 poles x 2.5 mm <sup>2</sup> ) with NL4 speakon connectors	8
RACK A	4U touring rack with 1 GTA-Otto amplifier*	2
FCASE-M28-3P	Flight case suitable for three Mantas 28 elements	4
SCAP-DBS18-2	Weather protection cover for DBS 18-2	6
TROLLEY XIII	Wheeled trolley/front panel protection for DBS 18-2	6
NEWTON RACK	4U touring rack with 1 Newton16+8*	1
LAV-LN.EDU	On site Line Array Training (2 days)	1

\* More details @ the end of the document.

## MANTAS28 GOLDEN CONFIGURATION

MANTAS 28	Two-way DPRWG® line array element	16
DBS 18-2	Ultra-low frequency extension touring array element. 2 x 18" LF. Stacked applications	8
FRM1-AL630	Superfly/Mantas28 aluminium main frame	2
SP4 LKI8-12	12 m subwoofer cable (8pole x 4 mm <sup>2</sup> ) with male LKI8 / 4 NL4 speakon connectors	2
SPK 4X4-15	15 m loudspeaker cable (4 poles x 4 mm <sup>2</sup> ) with NL4 speakon connectors	4
SPK 4X2.5-0.7	70 cm loudspeaker cable (4 poles x 2.5 mm <sup>2</sup> ) with NL4 speakon connectors	12
RACK A	4U touring rack with 1 GTA-Otto amplifier*	2
FCASE-M28-2P	Flight case suitable for two Mantas 28 elements	8
SCAP-DBS18-2	Weather protection cover for DBS 18-2	8
TROLLEY XIII	Wheeled trolley/front panel protection for DBS 18-2	8
NEWTON RACK	4U touring rack with 1 Newton16+8*	1
LAV-LN.EDU	On site Line Array Training (2 days)	1

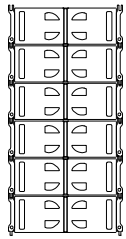
\* More details @ the end of the document.

# MANTAS28 PLATINUM CONFIGURATION

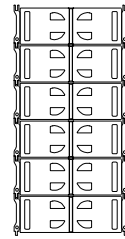
MANTAS 28	Two-way DPRWG® line array element	28
DBS 18-2	Ultra-low frequency extension touring array element. 2 x 18" LF. Stacked applications	12
FRM1-AL630	Superfly/Mantas28 aluminium main frame	2
SP4 LKI8-12	10 m subwoofer cable (8pole x 4 mm <sup>2</sup> ) with male LKI8 / 4 NL4 speakon connectors	4
SPK 4X4-10	10 m loudspeaker cable (4 poles x 4 mm <sup>2</sup> ) with NL4 speakon connectors	4
SPK 4X4-15	15 m loudspeaker cable (4 poles x 4 mm <sup>2</sup> ) with NL4 speakon connectors	6
SPK 4X2.5-0.7	70 cm loudspeaker cable (4 poles x 2.5 mm <sup>2</sup> ) with NL4 speakon connectors	18
RACK A	4U touring rack with 1 GTA-Otto amplifier*	4
FCASE-M28-2P	Flight case suitable for two Mantas 28 elements	14
SCAP-DBS18-2	Weather protection cover for DBS 18-2	12
TROLLEY XIII	Wheeled trolley/front panel protection for DBS 18-2	12
NEWTON RACK	4U touring rack with 1 Newton16+8*	1
LAV-LN.EDU	On site Line Array Training (2 days)	1

\* More details @ the end of the document.

## MANTAS28 SILVER CONFIGURATION



#6 MANTAS28

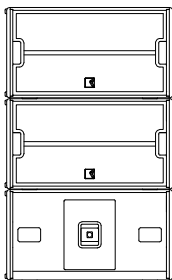


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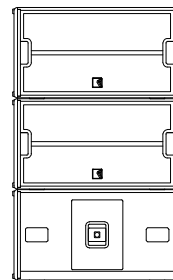
NEWTON 16+8



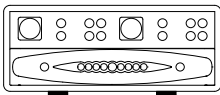
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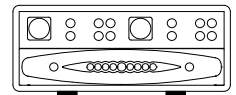
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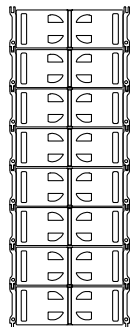
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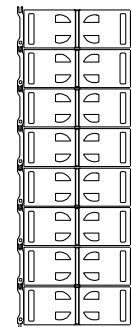
RACK A



## MANTAS28 GOLDEN CONFIGURATION



#8 MANTAS28

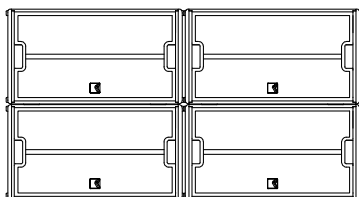


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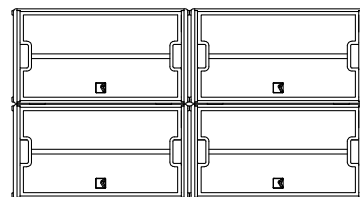
NEWTON 16+8



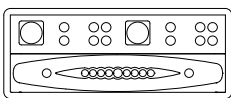
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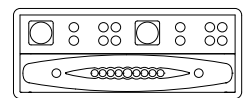
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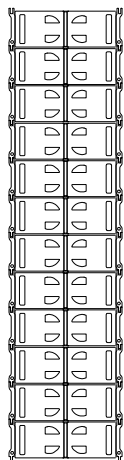
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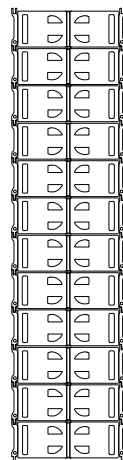
RACK A



## MANTAS28 PLATINUM CONFIGURATION

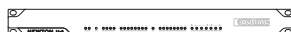


#12 MANTAS28



#12 MANTAS28

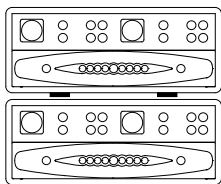
NEWTON 16+8



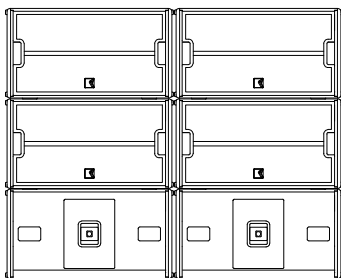
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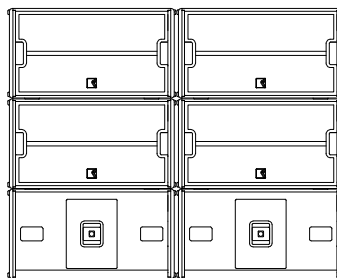
#2 RACK A



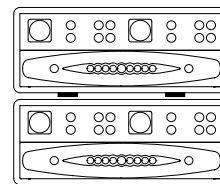
#6 DBS18-2



#6 DBS18-2

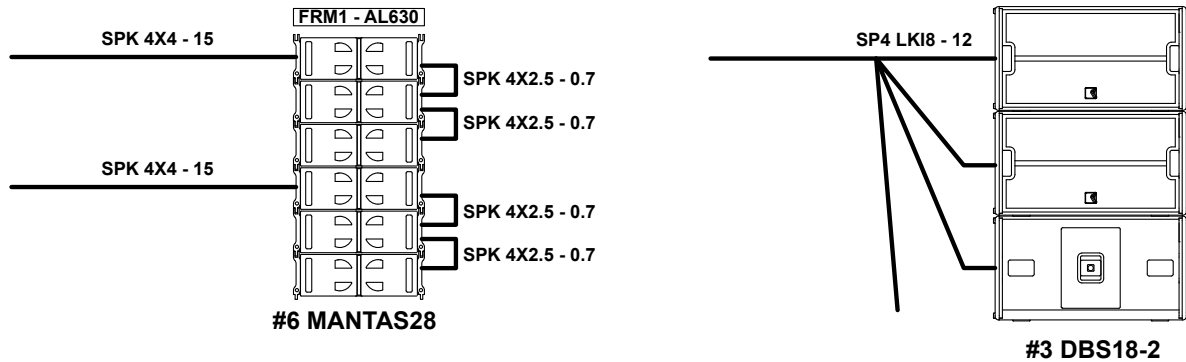


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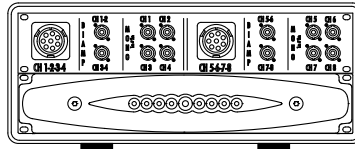


## MANTAS28 SILVER WIRING

(half system diagram)

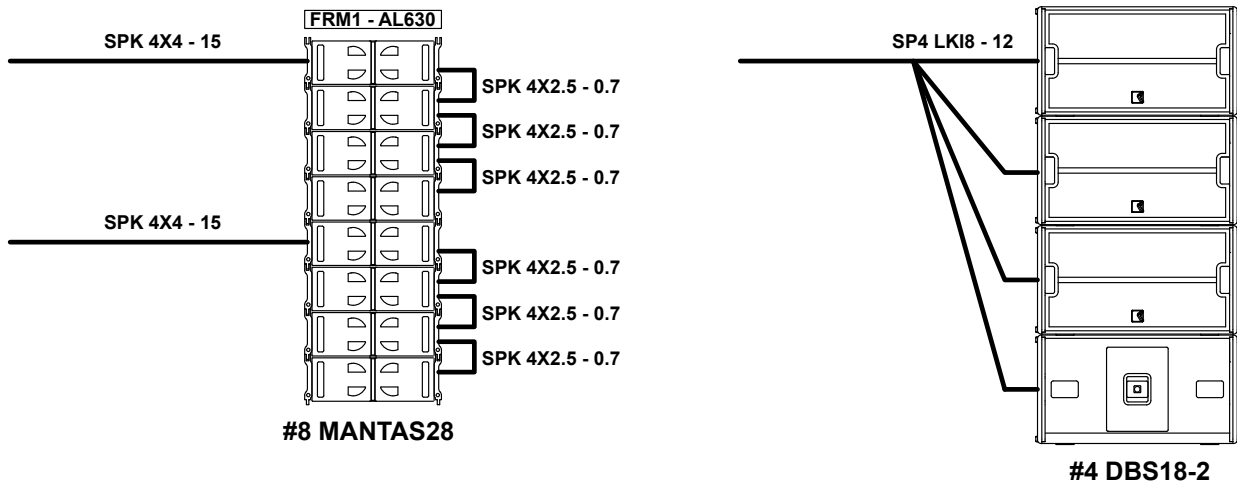


RACK A

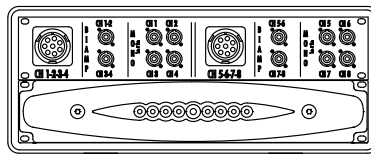


## MANTAS28 GOLDEN WIRING

(half system diagram)



RACK A

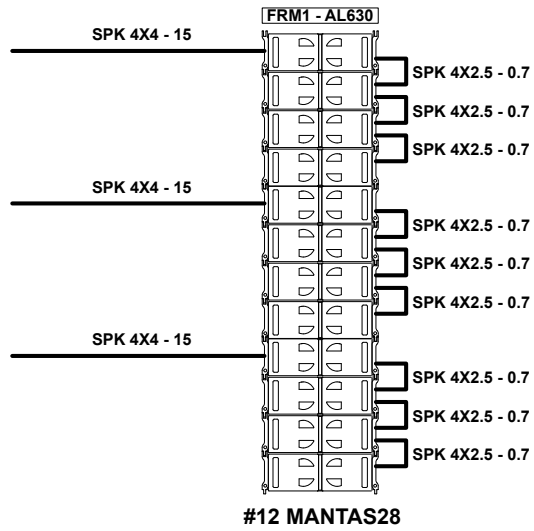


B8

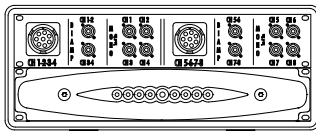


## MANTAS28 PLATINUM WIRING

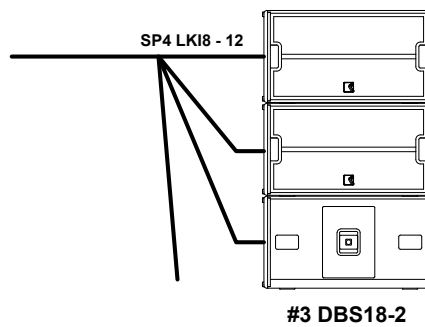
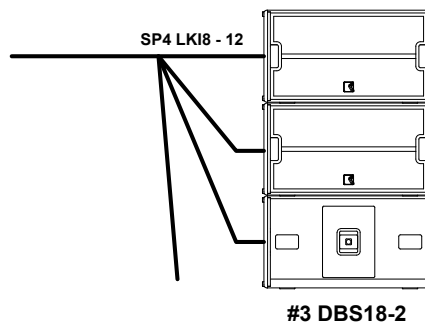
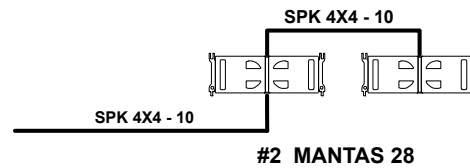
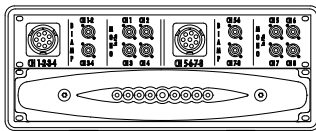
(half system diagram)



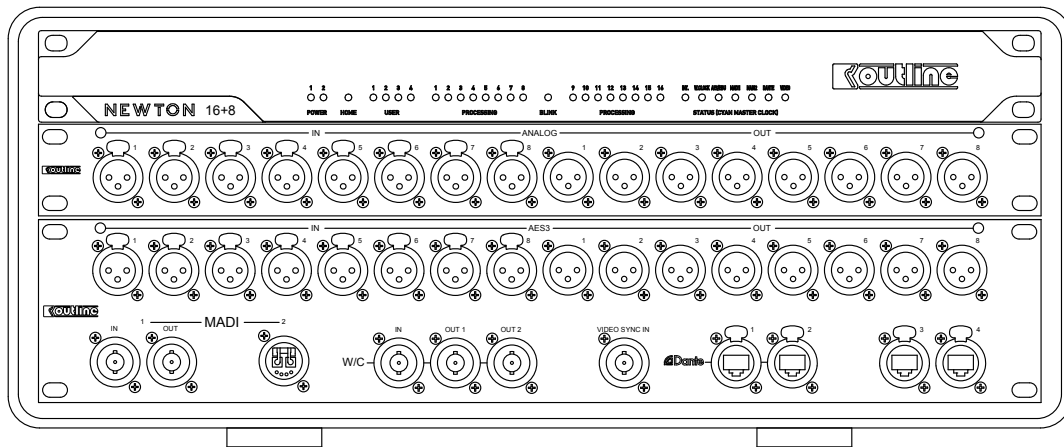
**RACK A**



**RACK A**

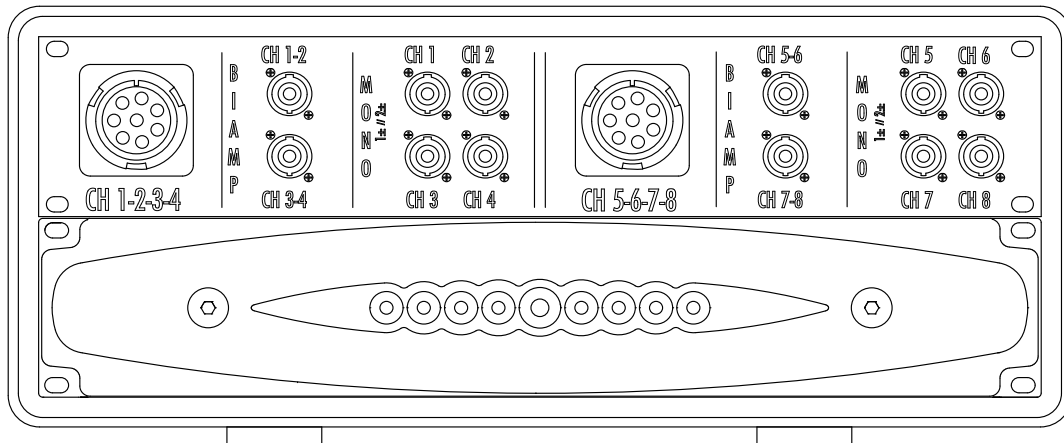


## NEWTON RACK



NEWTON 16+8	Multi function 16in/16out. Clock&backup management. Madi opt&coax, Dante, AES3 + 8 analog inputs&outputs	1
CABLANWT-ANL	Analog wiring panel for Newton- 8in/8out	1
CABLANWT-DGT	Digital wiring panel for Newton. 8 connectors in/8out AES3, Madi opt&coax, Dante, Ethernet, W/C in/out, video sync in	1

## RACK A



GTA-Otto	Grand Touring Amplifier Series   8-channel 2U rack amplifier	1
CABLA1-0X8	2U Distro panel for GTA Series amplifiers	1
AMP-RACK20X4	4U amprack flycased. Including mounting and inner wiring	1