



Recommended System Designs

GTO

Long-throw line array element



[•-] sound vision.

GTO 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: GTO cabinets contain ten transducers in a compact cabinet with an internal volume of just 340 litres (74.79 gals). It features four 3-inch diaphragm compression drivers, each loaded with our patented D.P.R.W.G. (first used in Butterfly), and whose combined output is channelled through a single output slot. Four 8-inch drivers produce the midrange frequencies, which are output via the same horizontal dispersion waveguide as the HF. Two 15-inch cone transducers generate the low frequency range, providing tremendous depth, articulation and fast transient response.

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.

GTO SILVER CONFIGURATION

Minimum configuration suitable to reinforce a 10 000 to 15 000 people audience area, with high size/power ratio.

GTO GOLDEN CONFIGURATION

Complete solution suitable to reinforce a 10 000 to 15 000 people audience area.

GTO PLATINUM CONFIGURATION

Complete solution suitable to reinforce a 15 000 to 25 000 people audience area, with extreme long-throw capabilities for high "headroom demanding" applications.

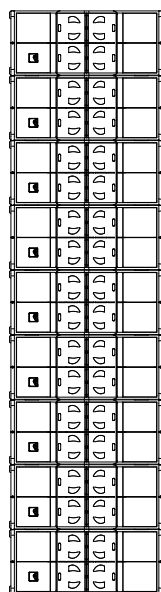
	GTO	DBS 18-2	GTO-SUB	MANTAS 28	RACK A	RACK B	NEWTON
SILVER	18	12	-	8	-	2	1
SILVER+	18	-	12	8	-	2	1
GOLDEN	24	16	-	20	2	2	1
GOLDEN+	24	-	16	20	2	2	1
PLATINUM	30	24	-	24	-	4	2
PLATINUM+	30	-	24	24	-	4	2

GTO Silver Configuration.

O1GTO	3-way DPRWG line-array enclosure: 2×15" LF + 4×8" MF + 4×3" HF diaphragm	18
O1DBS18-2UF	High power ground-stackable subwoofer: 2 × 18"	12
O1MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	8
A FRM-GTO-LW	Lightweight flying frame for GTO or C-12 or GTO-SUB	2
A LK18MF-25	LK18 speaker cable (male/female): 8 × 4 mm ² length 25 m	6
A LK18MF-0.9	LK18 speaker cable (male/female): 8 × 4 mm ² length 0.9 m	12
V SP4LK18-12	LK18/4 x NL4 Y split cable, length 12 m	4
V SP4LK18-15	LK18/4 x NL4 Y split cable, length 15 m	2
U SSVNL4MM	NL4/NL4 adapter	2
A SPK4X4-10	NL4 speaker cable, 4 × 4 mm ² , length 10 m	2
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5 mm ² , length 2,2 m	4
RACK B	10U touring rack with 3 GTA-Otto amplifier*	2
A TROLLEY-11	Touring cart for up to 3x GTO or 4x C-12 or 3x GTO-SUB	6
A SCAP-3.0GTO	Protective cover for 3 GTO on cart	6
A TROLLEY-16	Touring cart for 2 FRM-GTO-LW	1
A SCAP-TR16	Protective cover for 2 FRM-GTO-LW on cart	1
A TROLLEY-13	Touring cart/front panel for DBS18-2	12
A SCAP-DBS18-2	Protective cover for 2 DBS18-2 on cart	12
A FCASE-M28-2P	Flight case for 2 Mantas28	4
NEWTON RACK	4U touring rack with 1 Newton 16+18*	1
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

* More details @ the end of the document.

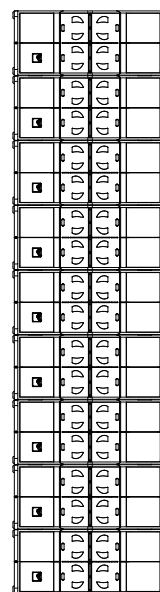
GTO Silver Configuration.



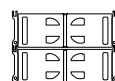
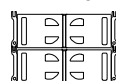
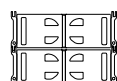
#9 GTO



NEWTON 16+8

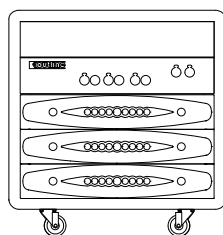


#9 GTO

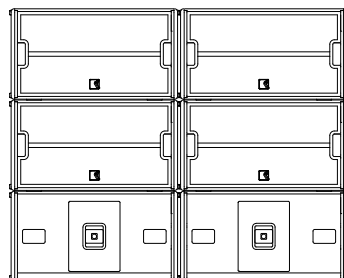


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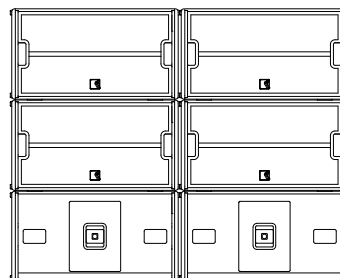
RACK B



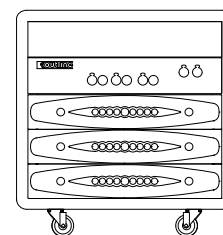
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#6 DBS18-2



RACK B

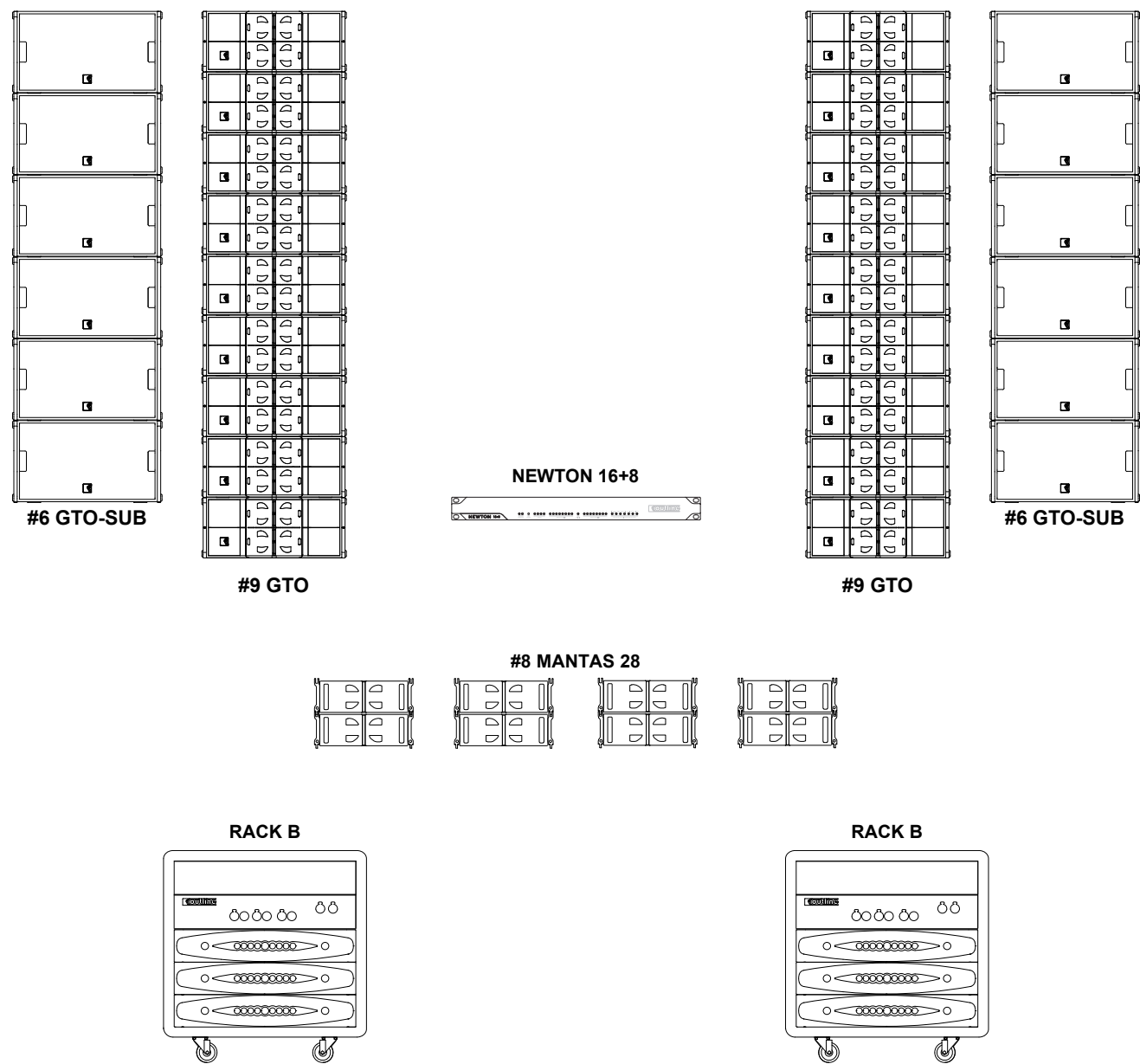


GTO Silver+ Configuration.

01GTO	3-way DPRWG line-array enclosure: 2×15" LF + 4×8" MF + 4×3" HF diaphragm	18
01GTO-SUB	High power flyable subwoofer: 2 × 18"	12
01MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	8
A FRM-GTO-LW	Lightweight flying frame for GTO or C-12 or GTO-SUB	4
A LK18MF-25	LK18 speaker cable (male/female): 8 × 4 mm ² length 25 m	10
A LK18MF-0.9	LK18 speaker cable (male/female): 8 × 4 mm ² length 0.9 m	12
V SP4LK18MV-2	LK18/4 x NL4 Y split speaker cable, length 2 m	4
U SSVLK18MF	LK18M/LK18F adapter	4
V SP2LK18-15	LK18/22 x NL4 Y split speaker cable, length 15 m	2
U SSVNL4MM	NL4/NL4 adapter	2
A SPK4X4-10	NL4 speaker cable, 4 × 4mm ² , length 10 m	2
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5 mm ² , length 0.7m	4
RACK B	10U touring rack with 3 GTA-Otto amplifier*	2
A TROLLEY-11	Touring cart for up to 3x GTO or 4x C-12 or 3x GTO-SUB	10
A SCAP-3.0GTO	Protective cover for 3 GTO on cart	6
A TROLLEY-16	Touring cart for 2 FRM-GTO-LW	2
A SCAP-TR16	Protective cover for 2 FRM-GTO-LW on cart	2
A SCAP-3GTO-SUB	Protective cover for 3 GTO-SUB on cart	4
A FCASE-M28-2P	Flight case for 2 Mantas28	4
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.

GTO Silver+ Configuration.

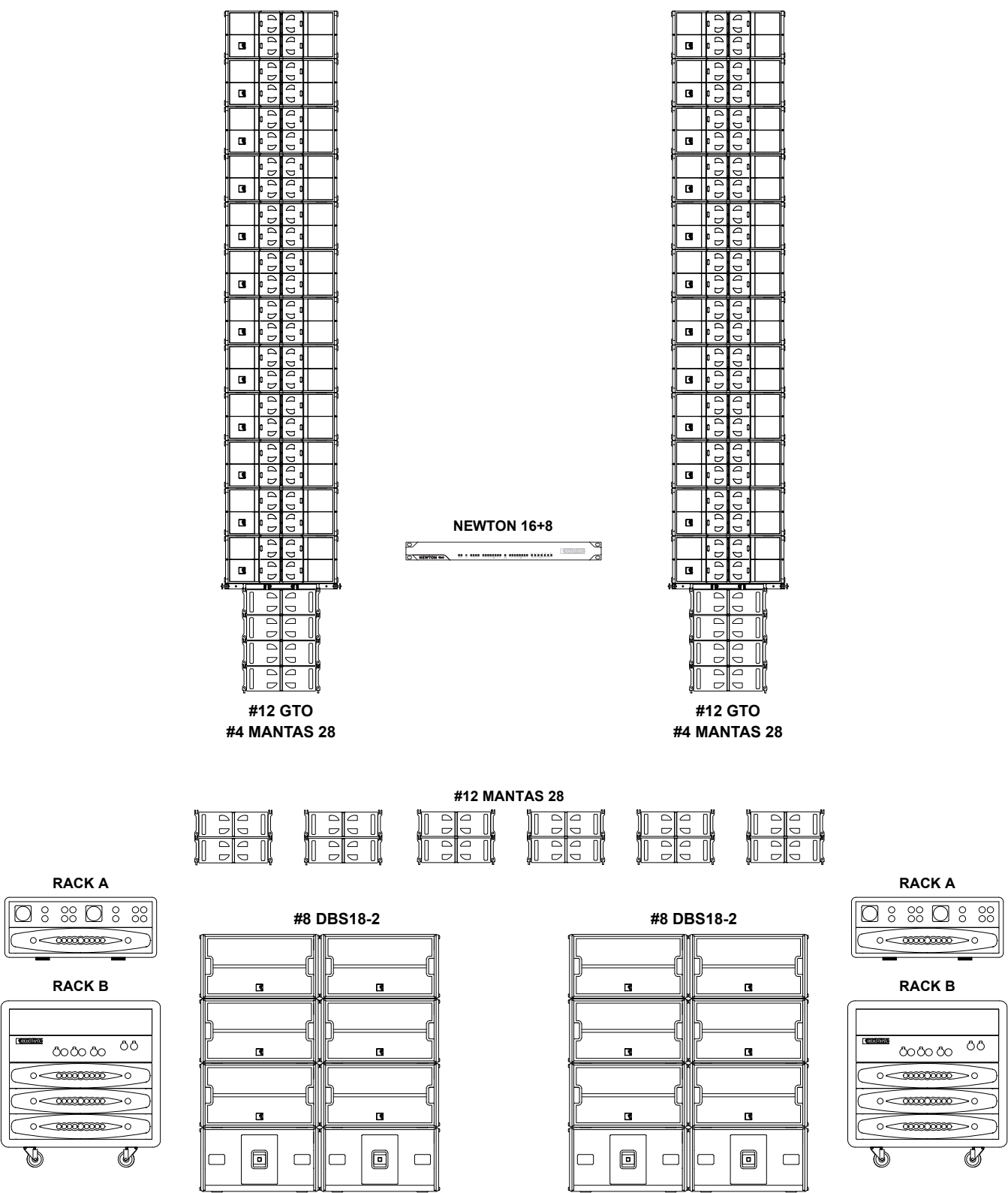


GTO Golden Configuration.

O1GTO	3-way DPRWG line-array enclosure: 2×15" LF + 4×8" MF + 4×3" HF diaphragm	24
O1DBS18-2UF	Hight power ground-stackable subwoofer: 2 × 18"	16
O1MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	20
A FRM-GTO2	Heavy-duty flying frame for GTO or C-12 or GTO-SUB	2
A DWNFLT2-GTO	Down-fill adaptor frame to rig up to 5 mantas28 under GTO/C-12 enclosures	2
A LK18MF-25	LK18 speaker cable (male/female): 8 × 4 mm ² length 25 m	8
A LK18MF-0.9	LK18 speaker cable (male/female): 8 × 4 mm ² length 0.9 m	16
V SP4LK18-12	LK18/4 x NL4 Y split speaker cable, length 12 m	4
V SP2LK18-15	LK18/4 x NL4 Y split speaker cable, length 15 m	2
V SP2LK18-25	LK18/4 x NL4 Y split speaker cable, length 25 m	2
U SSVNL4MM	NL4/NL4 adapter	2
A SPK4X4-10	NL4 speaker cable, 4 × 4mm ² , length 10 m	4
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5 mm ² , length 0.7m	12
RACK B	10U touring rack with 3 GTA-Otto amplifier*	2
RACK A	4U touring rack with 1 GTA-Otto amplifier*	2
A TROLLEY-11	Touring cart for GTO & C-12	8
A SCAP-3.0GTO	Protective cover for 3 GTO on cart	8
A FC-FRMGTO	Flight case for FRM-GTO2	2
A TROLLEY-13	Touring cart/front panel for DBS18-2	16
A SCAP-DBS18-2	Protective cover for 2 DBS18-2 on cart	16
A FCASE-M28-2P	Flight case for 2 Mantas28	10
NEWTON RACK	4U touring rack with 1 Newton 6+18*	1
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

* More details @ the end of the document.

GTO Golden Configuration.

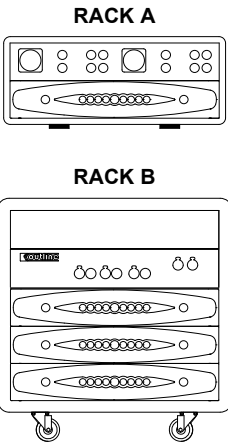
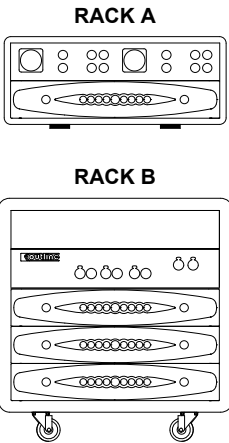
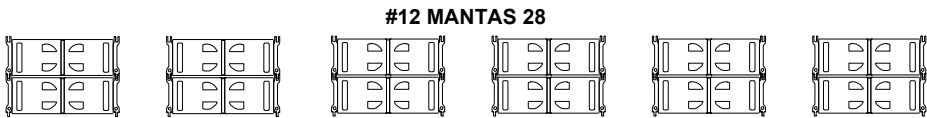
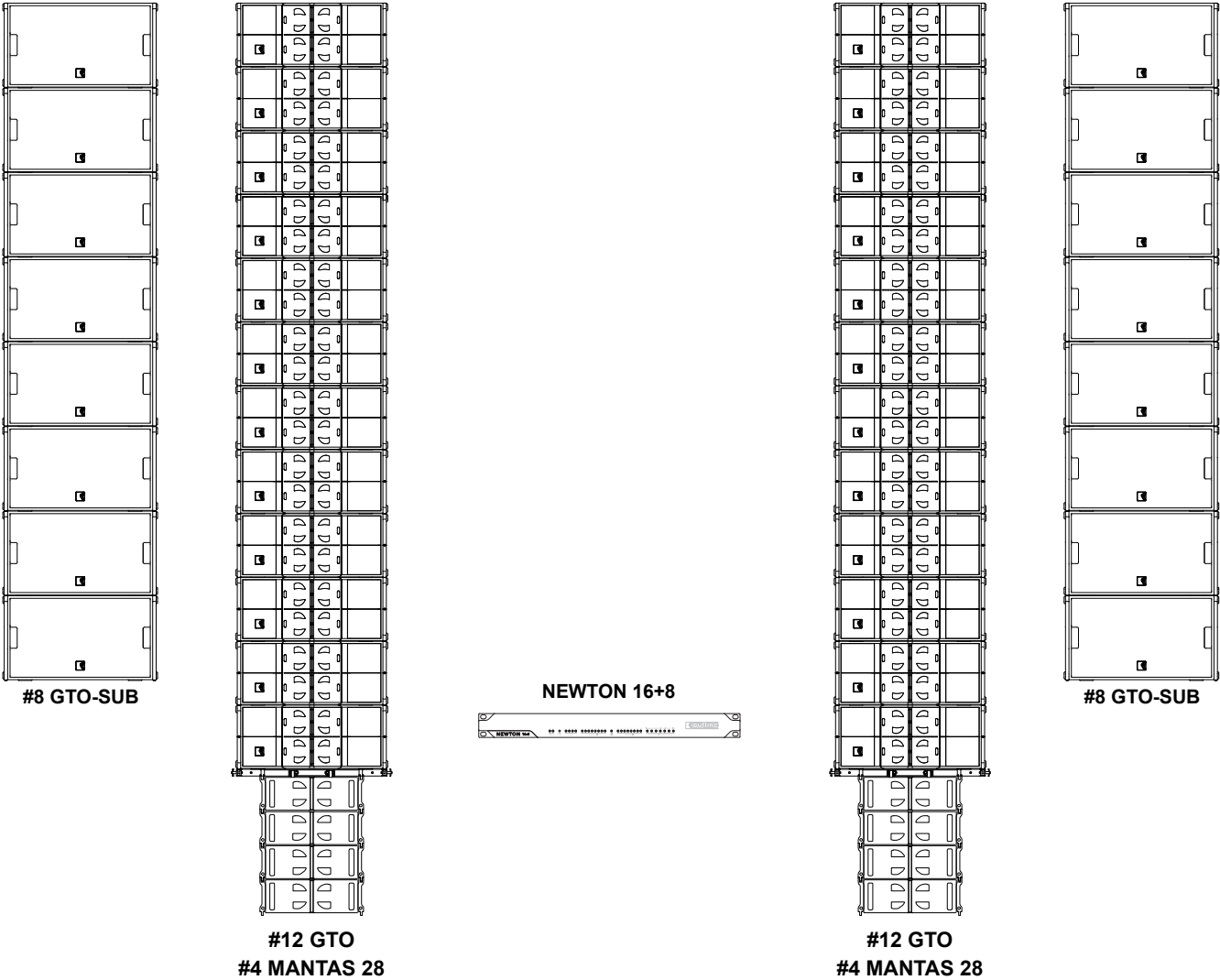


GTO Golden+ Configuration.

O1GTO	3-way DPRWG line-array enclosure: 2x15" LF + 4x8" MF + 4x3" HF diaphragm	24
O1GTO-SUB	High power flyable subwoofer: 2 x 18"	16
O1MANTAS-28	2-way DPRWG line-array enclosure: 2 x 8" LF + 3" HF diaphragm	20
A FRM-GTO2	Heavy-duty flying frame for GTO or C-12 or GTO-SUB	2
A FRM-GTO-LW	Lightweight flying frame for GTO or C-12 or GTO-SUB	2
A DWNFLT2-GTO	Down-fill adaptor frame to rig up to 5 Mantas28 under GTO/C-12 enclosures	2
A LK18MF-25	LK18 speaker cable (male/female): 8 x 4 mm ² length 25 m	12
A LK18MF-0.9	LK18 speaker cable (male/female): 8 x 4 mm ² length 0.9 m	16
V SP4LK18MV-2	LK18/4 x NL4 Y split speaker cable, length 2 m	4
U SSVLK18MF	LK18M/LK18F adapter	4
V SP2LK18-15	LK18/2 x NL4 Y split speaker cable, length 15 m	2
V SP2LK18-25	LK18/2 x NL4 Y split speaker cable, length 25 m	2
U SSVNL4MM	NL4/NL4 adapter	2
A SPK4X4-10	NL4 speaker cable, 4 x 4mm ² , length 10 m	4
A SPK4X2.5-0.7	NL4 speaker cable, 4 x 2.5mm ² , length 0,7 m	12
RACK B	10U touring rack with 3 GTA-Otto amplifier*	2
RACK A	4U touring rack with 1 GTA-Otto amplifier*	2
A TROLLEY-11	Touring cart for GTO & C-12	16
A SCAP-3.0GTO	Protective cover for 3 GTO on cart	8
A FC-FRMGTO	Flight case for FRM-GTO2	2
A TROLLEY-16	Touring cart for 2 FRM-GTO-LW	1
A SCAP-TR16	Protective cover for 2 FRM-GTO-LW on cart	1
A SCAP-2GTO-SUB	Protective cover for 2 GTO-SUB on cart	8
A FCASE-M28-2P	Flight case for 2 Mantas28	10
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.

GTO Golden+ Configuration.



GTO Platinum Configuration.

01GTO	3-way DPRWG line-array enclosure: 2×15" LF + 4×8" MF + 4×3" HF diaphragm	30
01DBS18-2UF	Hight power ground-stackable subwoofer: 2 × 18"	24
01MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	24
A FRM-GTO2	Heavy-duty flying frame for GTO or C-12 or GTO-SUB	2
A DWNFLT2-GTO	Down-fill adaptor frame to rig up to 5 Mantas28 under GTO/C-12 enclosures	2
A LK18MF-25	LK18 speaker cable (male/female): 8 × 4 mm ² length 25 m	10
A LK18MF-0.9	LK18 speaker cable (male/female): 8 × 4 mm ² length 0.9 m	20
V SP4LK18-12	LK18/4 x NL4 Y split speaker cable, length 12 m	6
V SP2LK18-15	LK18/4 x NL4 Y split speaker cable, length 15 m	2
V SP2LK18-25	LK18/4 x NL4 Y split speaker cable, length 25 m	2
U SSVNL4MM	NL4/NL4 adapter	2
A SPK4X4-10	NL4 speaker cable, 4 × 4mm ² , length 10 m	6
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5mm ² , length 0,7 m	12
RACK B	10U touring rack with 3 GTA-Otto amplifier*	4
A TROLLEY-11	Touring cart for GTO & C-12	10
A SCAP-3.0GTO	Protective cover for 3 GTO on cart	10
A FC-FRMGTO	Flight case for FRM-GTO2	2
A TROLLEY-13	Touring cart/front panel for DBS18-2	24
A SCAP-DBS18-2	Protective cover for 2 DBS18-2 on cart	24
A FCASE-M28-3P	Flight case for 3 Mantas28	8
NEWTON RACK	4U touring rack with 1 Newton 16+8*	2
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

* More details @ the end of the document.

OUTLINE S.R.L.

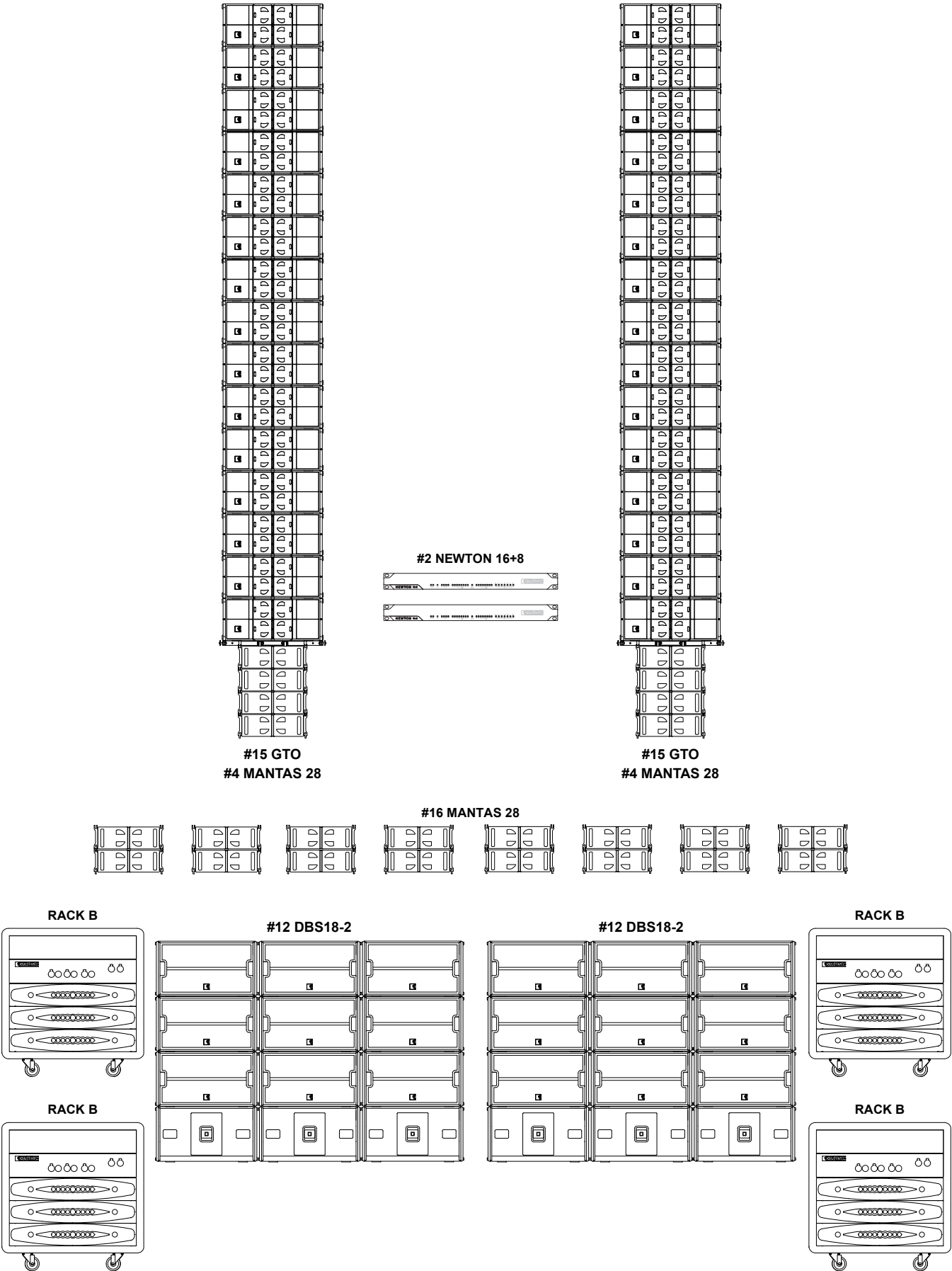
Via Leonardo Da Vinci, 56 - 25020 Flero (Bs) - Italy

tel. +39 030 35 81 341 - www.outline.it - sales@outline.it

E12

[•-] sound vision.

GTO Platinum Configuration.



GTO Platinum+ Configuration.

O1GTO	3-way DPRWG line-array enclosure: 2×15" LF + 4×8" MF + 4×3" HF diaphragm	30
O1GTO-SUB	High power flyable subwoofer: 2 × 18"	24
O1MANTAS-28	2-way DPRWG line-array enclosure: 2 × 8" LF + 3" HF diaphragm	24
A FRM-GTO2	Heavy-duty flying frame for GTO or C-12 or GTO-SUB	4
A DWNFLT2-GTO	Down-fill adaptor frame to rig up to 5 Mantas28 under GTO/C-12 enclosures	2
A LK18MF-25	LK18 speaker cable (male/female): 8 × 4 mm ² length 25 m	16
A LK18MF-0.9	LK18 speaker cable (male/female): 8 × 4 mm ² length 0.9 m	20
V SP4LK18MV-2	LK18/4 x NL4 Y split speaker cable, length 2 m	6
U SSVLK18MF	LK18M/LK18F adapter	6
V SP2LK18-15	LK18/2 x NL4 Y split speaker cable, length 15 m	2
V SP2LK18-25	LK18/2 x NL4 Y split speaker cable, length 25 m	2
U SSVNL4MM	NL4/NL4 adapter	2
A SPK4X4-10	NL4 speaker cable, 4 × 4mm ² , length 10 m	6
A SPK4X2.5-0.7	NL4 speaker cable, 4 × 2.5mm ² , length 0,7 m	12
RACK B	10U touring rack with 3 GTA-Otto amplifier*	4
A TROLLEY-11	Touring cart for GTO & C-12	18
A SCAP-3.0GTO	Protective cover for 3 GTO on cart	10
A FC-FRMGTO	Flight case for FRM-GTO2	4
A SCAP-3GTO-SUB	Protective cover for 3 GTO-SUB on cart	8
A FCASE-M28-3P	Flight case for 3 Mantas28	8
NEWTON RACK	4U touring rack with 1 Newton 16+8*	2
2 LAV-LN.EDU	On site Line-Array Training (2 days)	1

* More details @ the end of the document.

OUTLINE S.R.L.

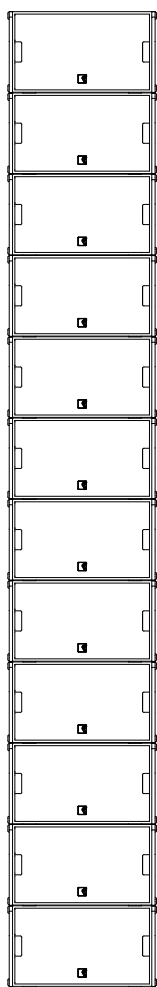
Via Leonardo Da Vinci, 56 - 25020 Flero (Bs) - Italy

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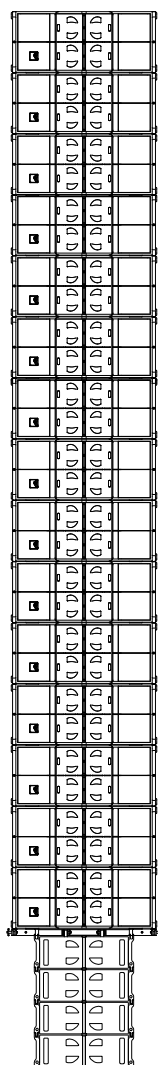
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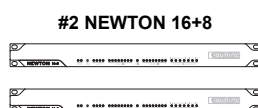
GTO Platinum+ Configuration.



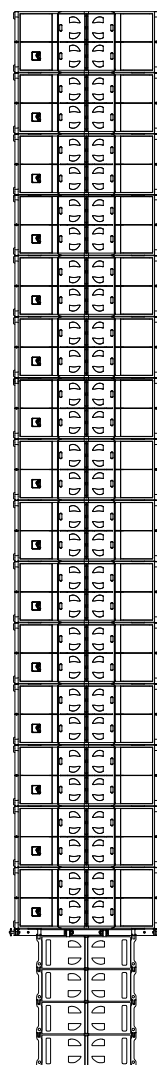
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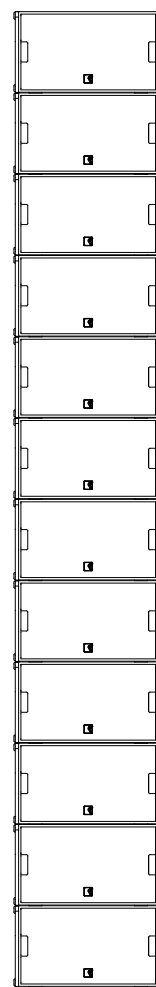
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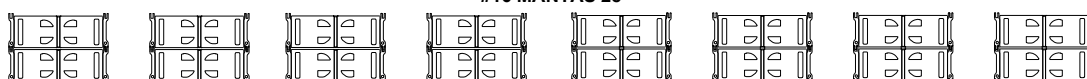
#2 NEWTON 16+8



#15 GTO
#4 MANTAS 28

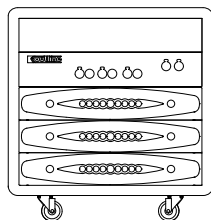


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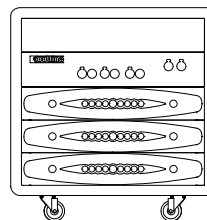


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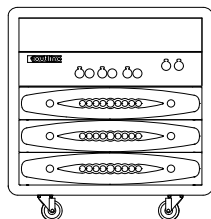
RACK B



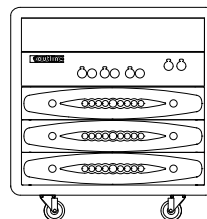
RACK B



RACK B

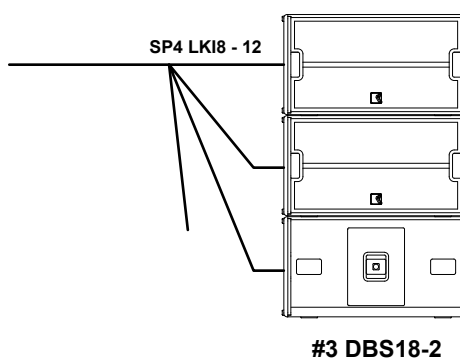
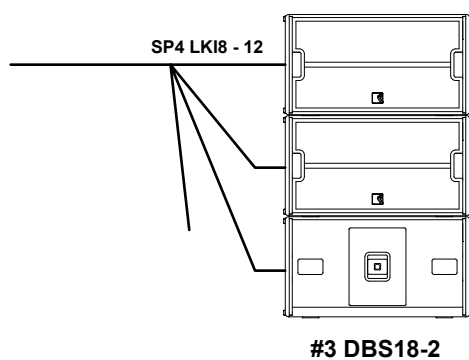
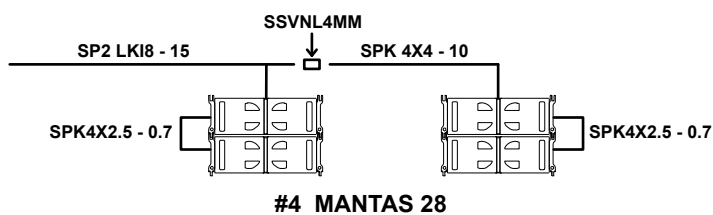
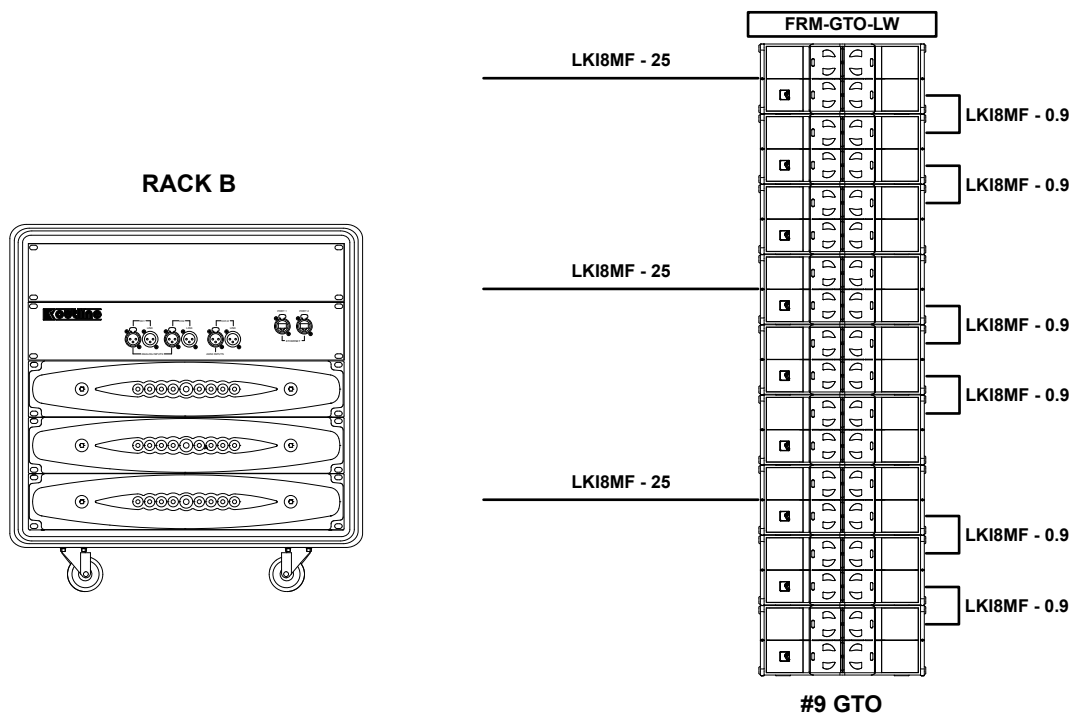


RACK B



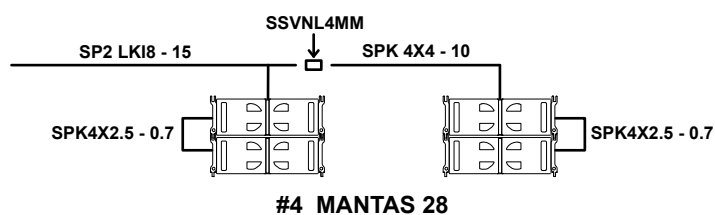
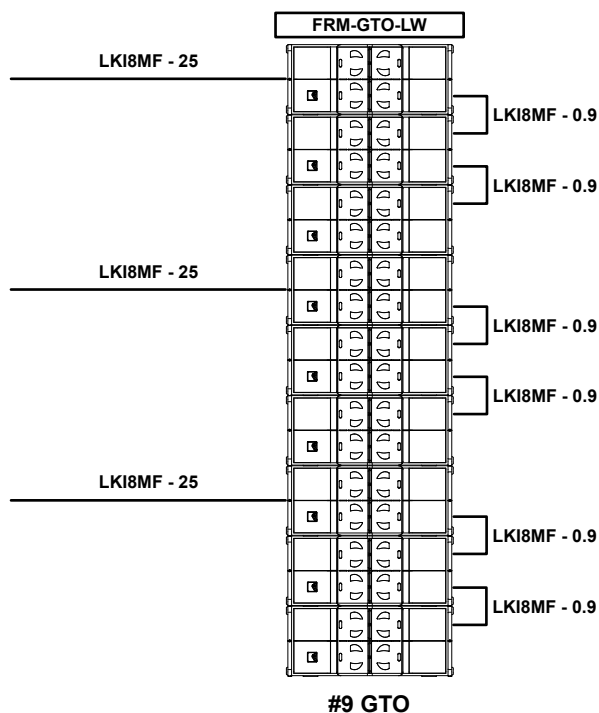
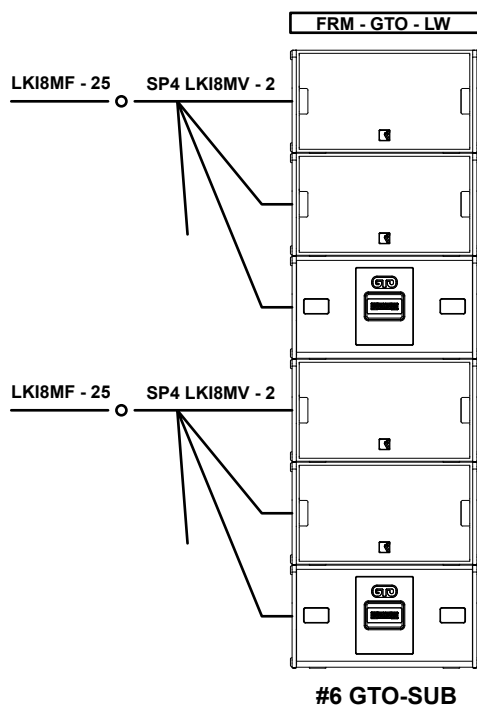
GTO Silver Wiring.

(half system diagram)

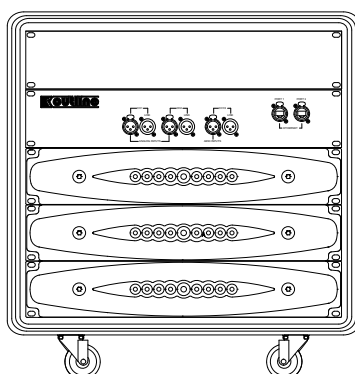


GTO Silver+ Wiring.

(half system diagram)



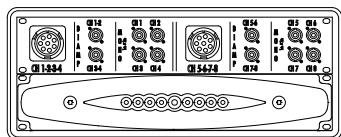
RACK B



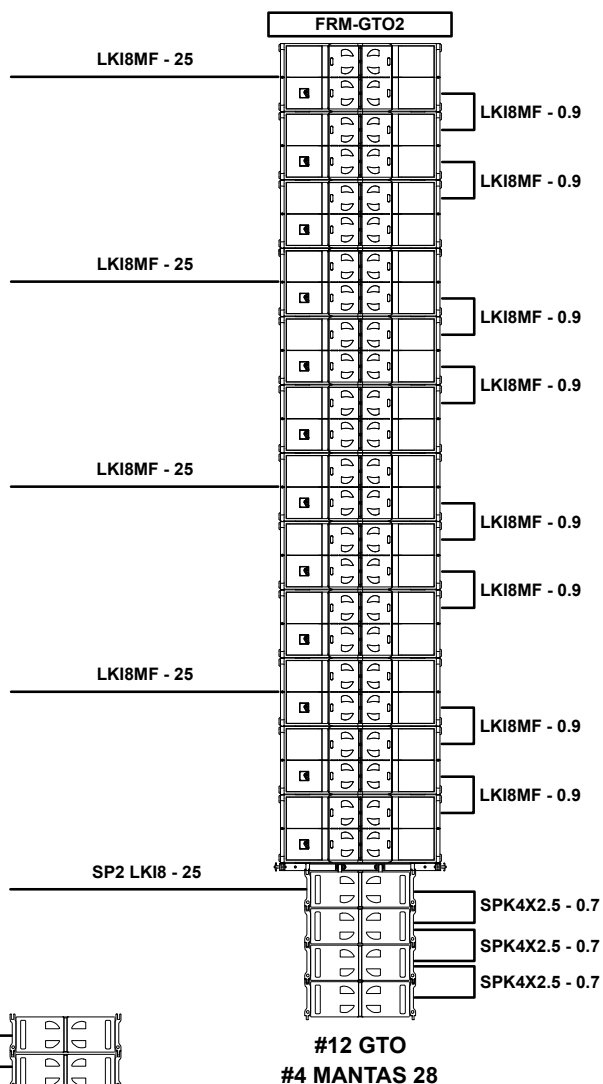
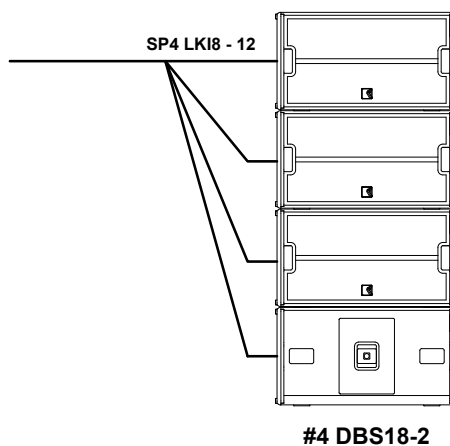
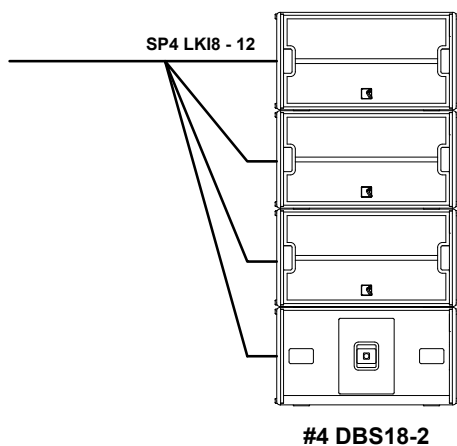
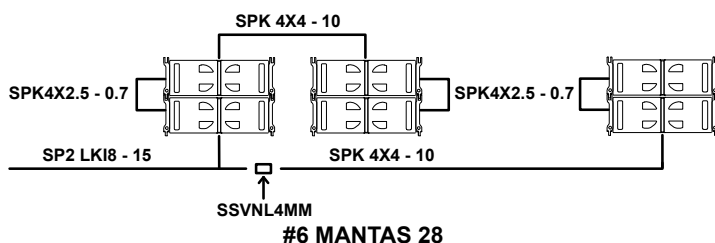
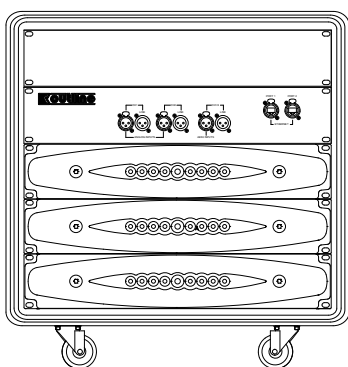
GTO Golden Wiring.

(half system diagram)

RACK A

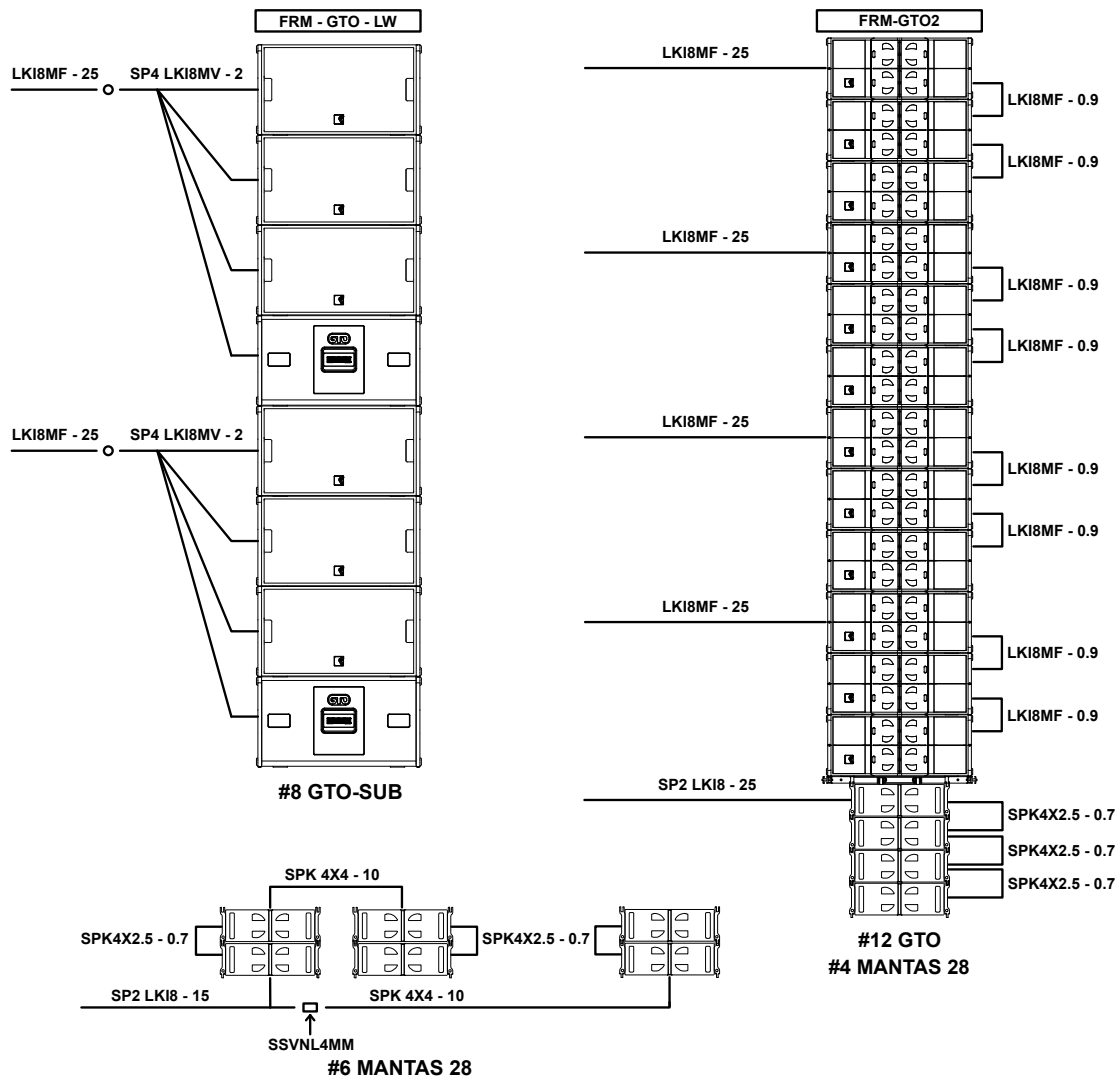


RACK B

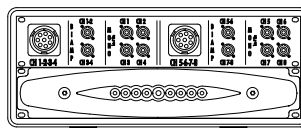


GTO Golden+ Wiring.

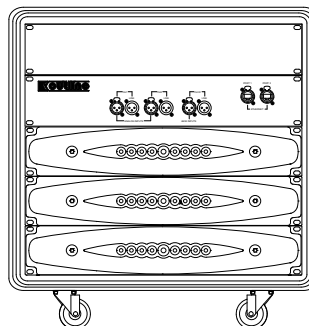
(half system diagram)



RACK A

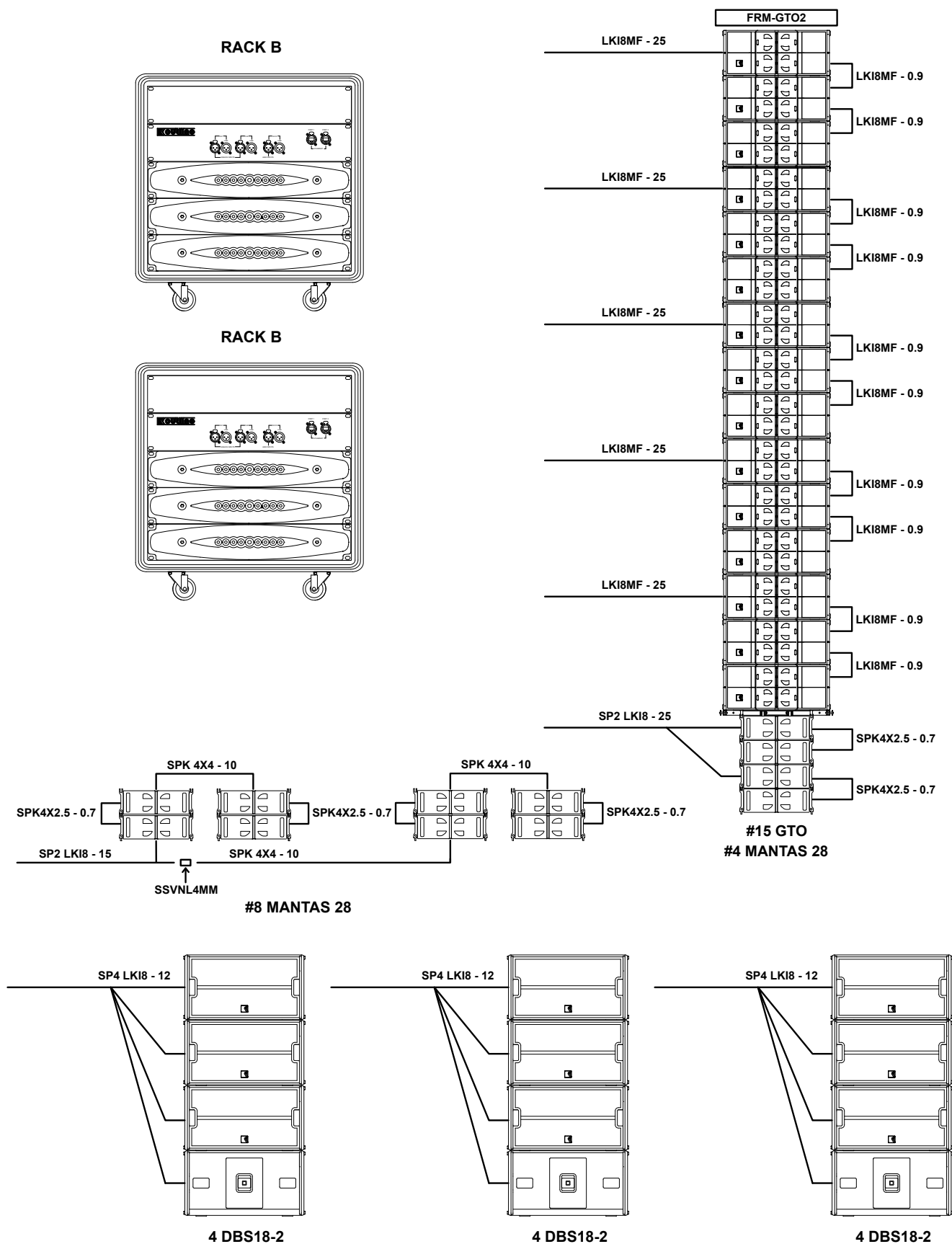


RACK B



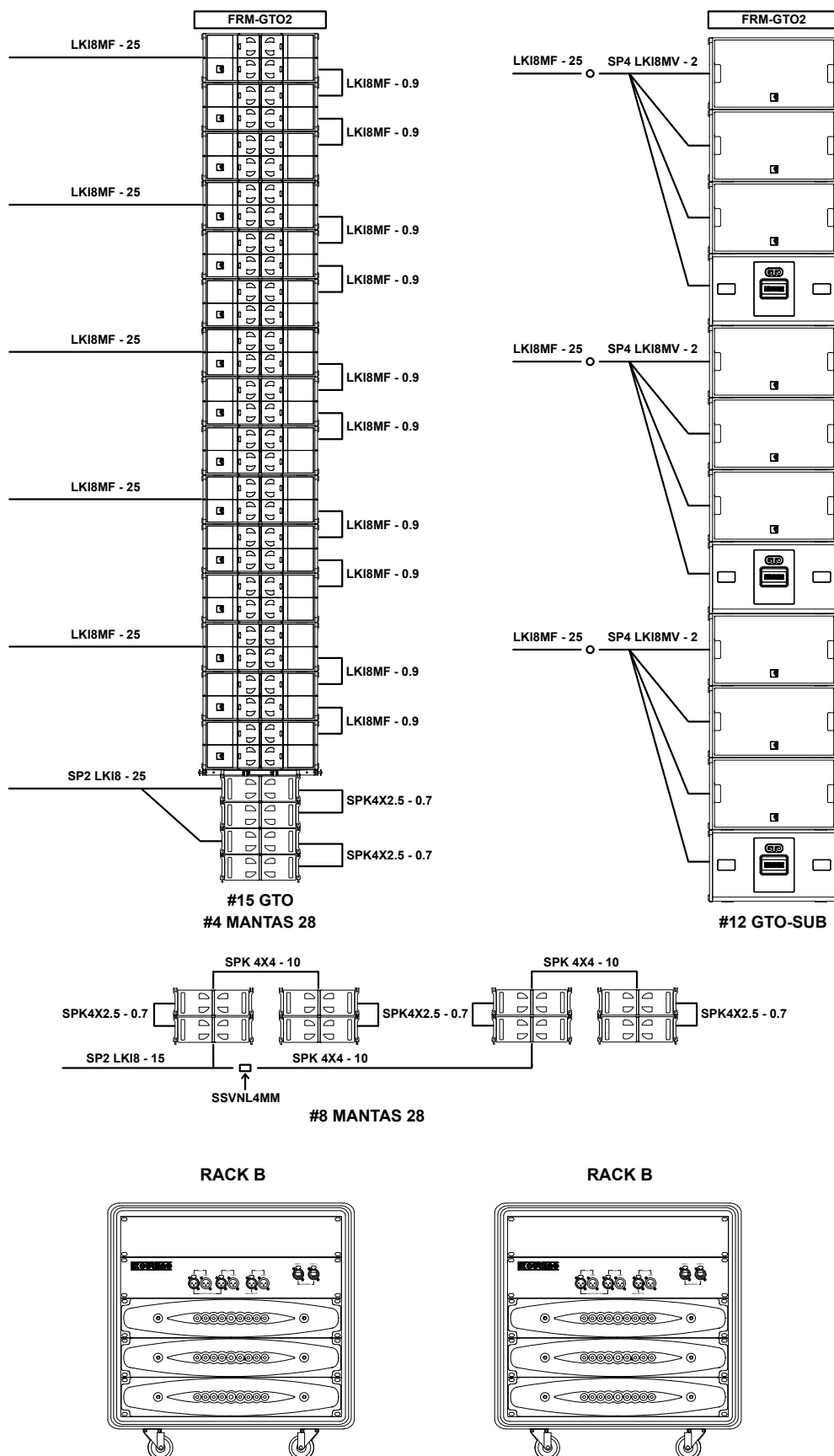
GTO Platinum Wiring.

(half system diagram)

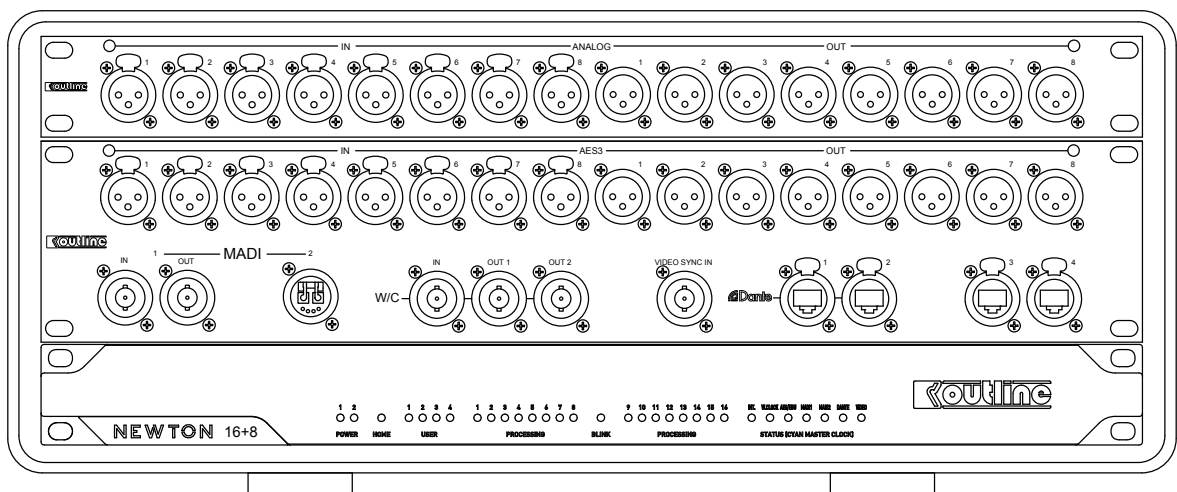


GTO Platinum+ Wiring.

(half system diagram)

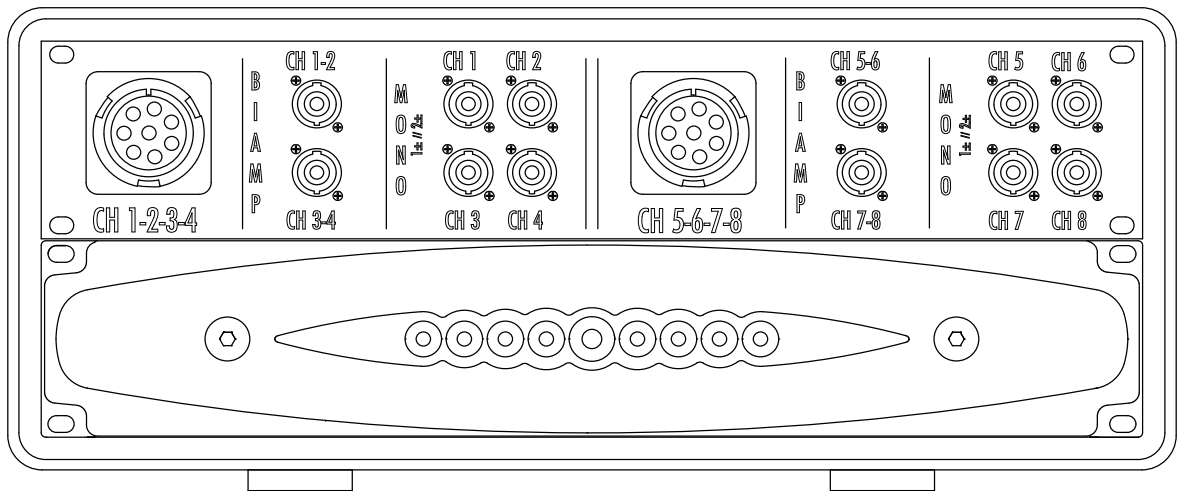


Newton Rack.



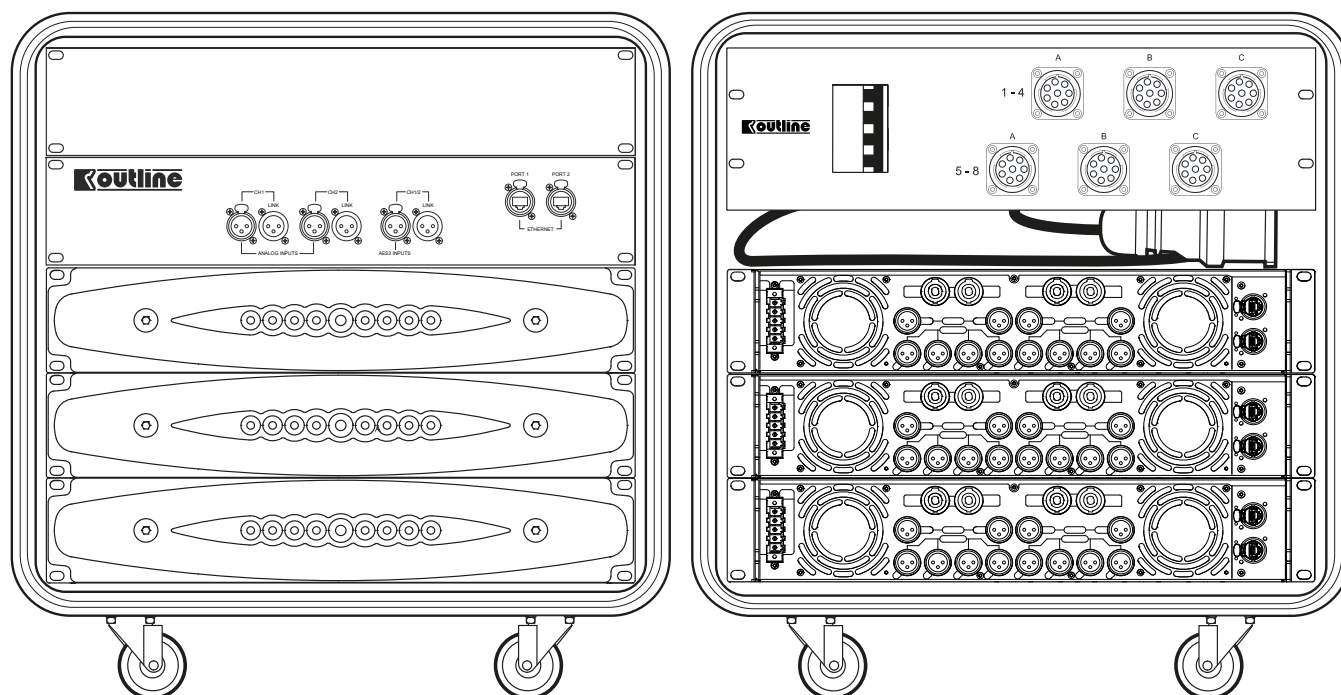
O NWT16+18	FPGA-based processor featuring WFIR filtering technology (patent pending)	1
A CABLANWT-ANL	1U analog signal distribution panel for Newton	1
A CABLANWT-DGT	2U digital signal distribution panel for Newton	1
A AMP-RACK4U	4U amplifier rack (reduced depth)	1

Rack A.



O1GTA8D	8-channel touring amplifier: 8 × 3000 W @ 4 ohms	1
A CABLA1-OX8	2U output signal distribution panel	1
A AMP-RACK2OX4	4U amplifier touring rack	1

Rack B.



O1GTA8D	8-channel touring amplifier: 8 × 3000 W @ 4 ohms	3
A MPULK-3X8	3U power & signal distribution panel for 3 GTA8D	1
A CABLA1-GTO	2U signal & networking distribution panel	1
A AMP-RACK10UP	10U amplifier touring rack	1



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