

E-Rack™ | Adamson Touring Rack



E-Rack™



Adamson Touring Rack

Adamson has developed a unified rack solution, configured to interface seamlessly with our line of loudspeaker products. All E-Racks are equipped with two or three Lab.gruppen PLM+ series amplifiers, featuring Lake processing and Dante audio networking functionality. The new Adamson Audio Panel provides Analog and AES inputs, Speakon NL8 and Socapex outputs, and etherCON RJ45 connections, designed for dual redundant Dante setups. A managed Gigabit Ethernet switch and an AC distribution panel available in 120 V or 230 V versions complete the hardware. The entire package fits into a compact and lightweight 10U rack, designed with interior suspension, hinged doors and extra rails for secure & efficient use of space.

E-Rack elements are comprised of:

- 10U suspended rack with hinged, sliding front and rear doors
- Up to three Lab.gruppen PLM 20K44 or 12K44 amplifiers (8 and 12-Channel versions available)
- Adamson Audio Panel
- Adamson AC Panel, 120 V or 230 V (region specific)
- Cisco SG300-20 managed switch

Adamson E-Rack™

Elements

10U Suspended Rack

The 10U rack is constructed with a thick extruded aluminum outer frame and a rubber shock mounted interior steel frame. The interior frame has three sets of vertical rails for recessed mounting as well as rear support to ensure protection of the electronics contained within, making it easily handle the rigors of the road. The side wooden panels are removable and replaceable and the front and back doors are hinged at the top, so they can be stowed in the slim cavity at the top of the rack.

Lab.gruppen PLM 20K44

The PLM 20K44 power amplifier offers a maximum output of 20000 watts and a true 4 in, 4 out configuration. With all the benefits of the original PLM line and more, including Lake processing, Rational Power Management and industry standard Dante™ networking, the PLM 20K44 sets the benchmark for Powered Loudspeaker Management Systems.

Lab.gruppen PLM 12K44

The PLM 12K44 power amplifier offers a maximum output of 12000 watts and a true 4 in, 4 out configuration. With all the benefits of the original PLM line and more, including Lake processing, Rational Power Management and industry standard Dante™ networking, the PLM 12K44 sets the benchmark for Powered Loudspeaker Management Systems.



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Elements

Adamson Audio Panel

The 19", 2U Adamson Audio Panel is comprised of XLR in and thru connections (analog or AES/EBU), etherCON RJ45 connections (Dante™ and control) and both Speakon™ NL8 and Socapex output connections. Jumping signals from rack to rack is simple, and even Dante™ signals can be distributed to up to 3 E-Racks without the use of an additional switch.



Adamson AC Panel

The 19", 2U Adamson AC Panel is available in two versions - 120 V and 230 V. The 120 V version comes with a single 3-phase L21-30 input socket, and the 230 V version comes with CEE 32 A 3-phase input and link connections. Each version comes with three hard-wired 32 A Powercon™ connections, as well as auxillary power plugs.



120 V



230 V

Cisco SG300-20

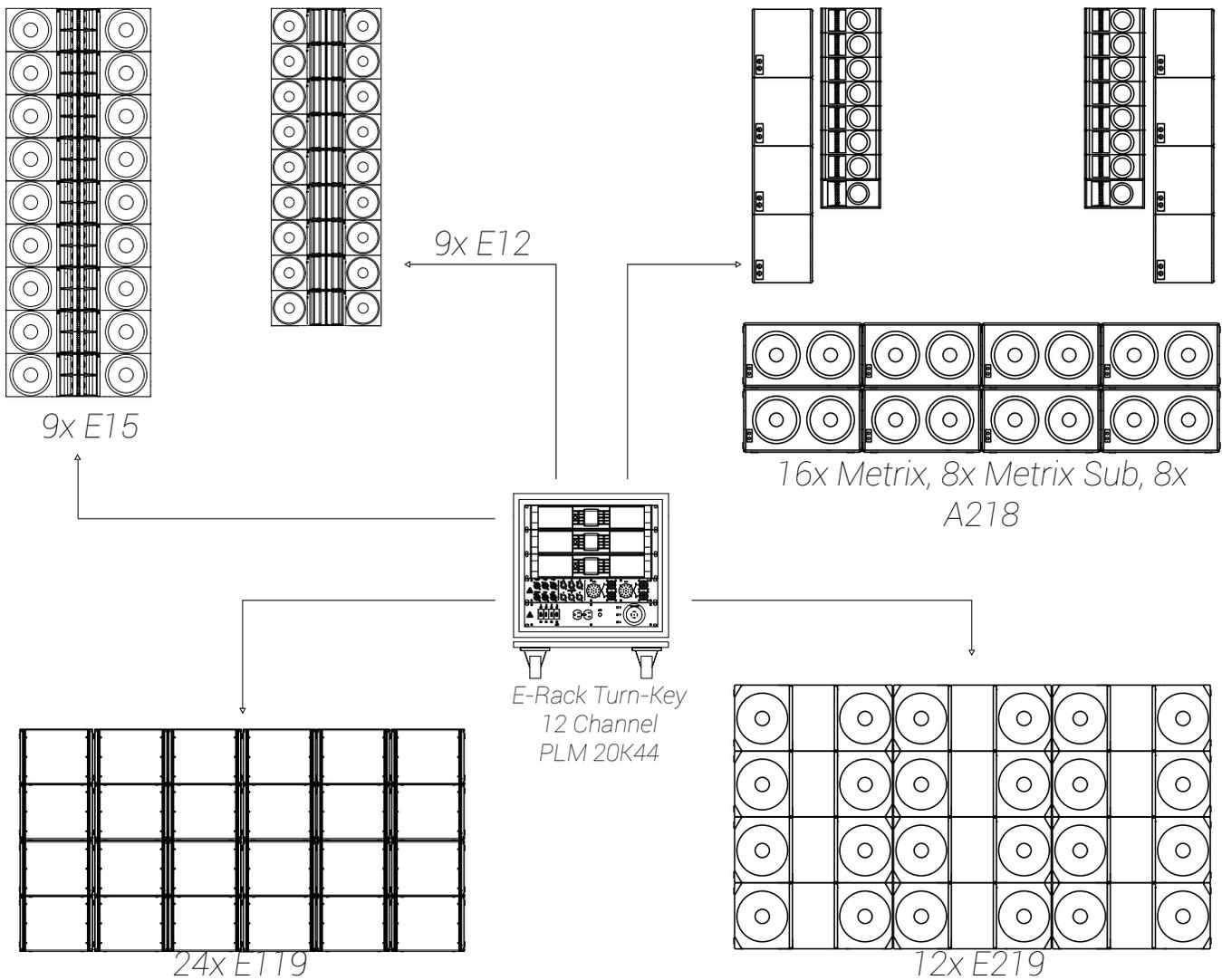
The SG300-20 exceeds the performance benchmark set by Audinate. Adamson has adopted its use along with specific configurations designed to optimize transmission of Dante™ signals and Lake control data.



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20K44 Configuration Examples

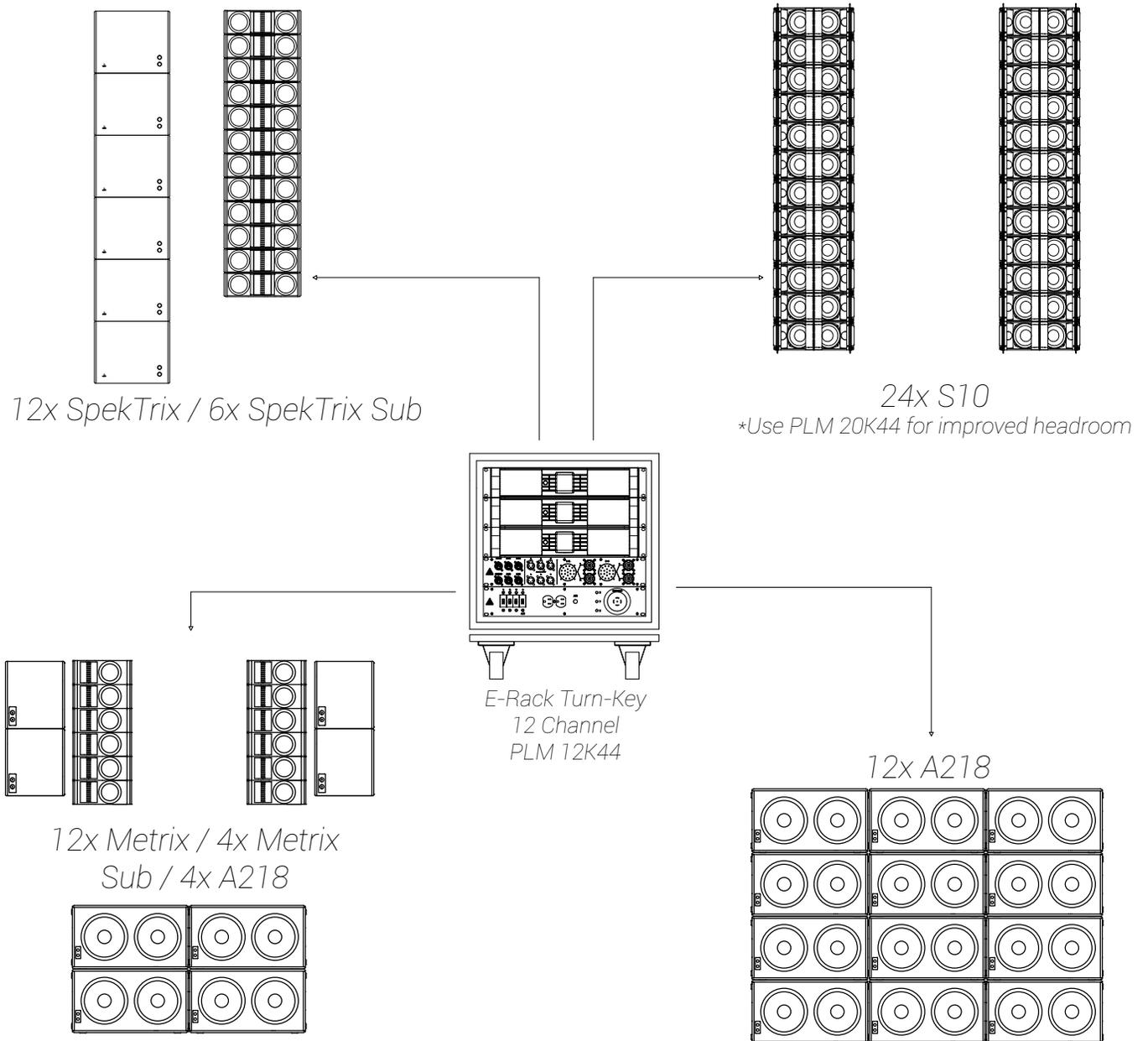
The Adamson E-Rack 12-Channel 20K44 can power any of the following configurations



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12K44 Configuration Examples

The Adamson E-Rack 12-Channel 12K44 can power any of the following configurations



Adamson E-Rack™

Component Chart

Part Number	Component	12-Channel PLM 20K44	12-Channel PLM 20K44 Euro	12-Channel PLM 12K44	12-Channel PLM 12K44 Euro	8-Channel PLM 20K44	8-Channel PLM 20K44 Euro	8-Channel PLM 12K44	8-Channel PLM 12K44 Euro
916-0021	Lab.gruppen PLM 20K44 <small>4 in, 4 out Powered Loudspeaker Management System, 5000 W per channel, integrated Lake processing and Dante™ audio network</small>	3	3			2	2		
916-0020	Lab.gruppen PLM 12K44 <small>4 in, 4 out Powered Loudspeaker Management System, 3000 W per channel, integrated Lake processing and Dante™ audio network</small>			3	3			2	2
925-0005	Adamson Audio Panel <small>Accessory: 4x NL8 & 2x Soca out, 3x XLR in & 3x XLR thru, 6x Gigabit</small>	1	1	1	1	1	1	1	1
926-0006	Adamson AC Distribution - E-Rack Standard <small>Accessory: Adamson AC distribution - L21-30 input, 3-Phase 30A 120V/208V</small>	1		1		1		1	
926-0004	Adamson AC Distribution - E-Rack Standard European <small>Accessory: Adamson AC distribution - CEE input, 3-Phase 32A 230V</small>		1		1		1		1
913-0002	Cisco SG300-20 <small>Accessory: Ethernet switch configured to transmit Dante™ signals and control data</small>	1	1	1	1	1	1	1	1
905-0033	Blueprint AV™ Personal License <small>Includes activation on up to 2 machines</small>	1	1	1	1	1	1	1	1



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