SPEAKER

LUCASACS

Q Series

QLA110DSP

QLA208DSP

QLA210DSP

QLASUB15DSP

QLASUB18DSP

QLASUB218DSP








OVERVIEW

The Q Series: A Complete and Scalable Line Array Ecosystem

The Q Series is a fully integrated line array system engineered to deliver exceptional sonic clarity, powerful output, and seamless scalability for professional touring and installation. This comprehensive ecosystem includes a range of full-range cabinets and matching subwoofers, designed from the ground up to work in perfect harmony, creating a formidable and cohesive audio solution for venues of any scale.

Full-Range Line Array Cabinets: Precision and Control

The series features multiple full-range enclosures built with high-output woofers and precision titanium compression drivers. Powered by efficient Class-D amplifiers and managed by advanced onboard DSP, they deliver detailed, consistent sound with excellent vertical pattern control. Their symmetrical, compact designs incorporate integrated rigging points and rugged, road-ready construction with protective steel grilles, making them ideal for both rapid touring deployments and permanent flown installations.

Powered Subwoofers: Deep, Articulate Bass

The system is anchored by a selection of powered subwoofers designed to provide the foundational low-frequency impact required for full-range music reinforcement. Featuring high-power Class-D amplifiers, robust transducers, and sophisticated DSP with configurable crossover and EQ presets, they deliver powerful, articulate bass with precise control. Their solid construction ensures reliable, low-distortion performance even at extreme output levels.

A Seamlessly Integrated System

The core strength of the Q Series is its holistic interoperability. Full-range cabinets and subwoofers share complementary physical designs and dedicated mounting solutions, allowing for secure ground-stacking or the creation of flown arrays that combine both elements. This unified approach ensures optimal acoustic alignment, simplified rigging, and a coherent sonic signature across the entire system.

Professional Flexibility and Durability

Designed for the demands of professional use, every component balances lightweight portability with rugged durability. The series supports a vast range of configurations—from compact setups for clubs and houses of worship to extensive arrays for auditoriums and major events—offering a singular, reliable solution for the most challenging audio applications.

Technical Specifications

Feature:	QLA110DSP	QLA208DSP	QLA210DSP
Frequency Response:	55 Hz - 19K Hz	60 Hz - 19k Hz	52 Hz - 19k Hz
Sensitivity	106 db	106 db	107 db
Spl Max:	132 db	133 db	135 db
Dispersion:	90° x 20° (H x V)	90° x 15° (H x V)	120° x 15° (H x V)
Loudspeaker Data:			
Configuration:	10" active full range line array	Compact dual 8" active full range line array	Compact dual 10" active full range line array
Transducer:	LF: 1 x 10", HF: 1 x 2" diaphragm	LF: 2 x 8", HF: 1 x 1.75" titanium diaphragm	LF: 2 x 10", HF: 2 x 1.4" diaphragm
Impedance:	8Ω Nominal	4Ω	4Ω
Power Handling	800 / 1600W	1000 / 2000W	1200 / 2400W
Physical:			
Cabinet Construction:	High grade 100% birch plywood	High grade 100% birch plywood	High grade 100% birch plywood
Mounting:	Integrated line array hardware	Compact line array hardware / Optional U bracket	Compact line array hardware
Finish:	Texture coating (RAL colors available)	Texture coating (RAL colors available)	Texture coating (RAL colors available)
Grill And Rigging Component:	Steel with anti-corrosion coat	Steel with anti-corrosion coat	Steel with anti-corrosion coat
Dimensions (mm / Inch):	521 W - 390 D - 299 H / 20.5 W - 15.2 D - 11.8 H	671 W - 344 D - 247 H / 26.4 W - 13.5 D - 9.7 H	796 W - 420 D - 320 H / 30.3 W - 16.5 D - 12.6 H
Weight:	20.5 kg / 45 lbs	19 kg / 42 lbs	31.5 kg / 69 lbs
Amplifier:	Class-D amp. with DSP	Class-D amp. with DSP	Class-D amp. with DSP
Input:	2 x 1/4" & XLR combo, 1/8" Aux	2 x 1/4" & XLR combo, 1/8" Aux	2 x 1/4" & XLR combo, 1/8" Aux
Output:	2 x XLR line out	2 x XLR line out	2 x XLR line out
Control:	Volume, onboard DSP	Volume, onboard DSP	Volume, onboard DSP
Voltage:	Neutrik PowerCON in & out 100V~240V (50~60Hz)	Neutrik PowerCON in & out 100V~240V (50~60Hz)	Neutrik PowerCON in & out 100V~240V (50~60Hz)

CONNECTIONS

QLA110DSP



QLA208DSP



CONNECTIONS

QLA210DSP



QLASUB15DSP



CONNECTIONS

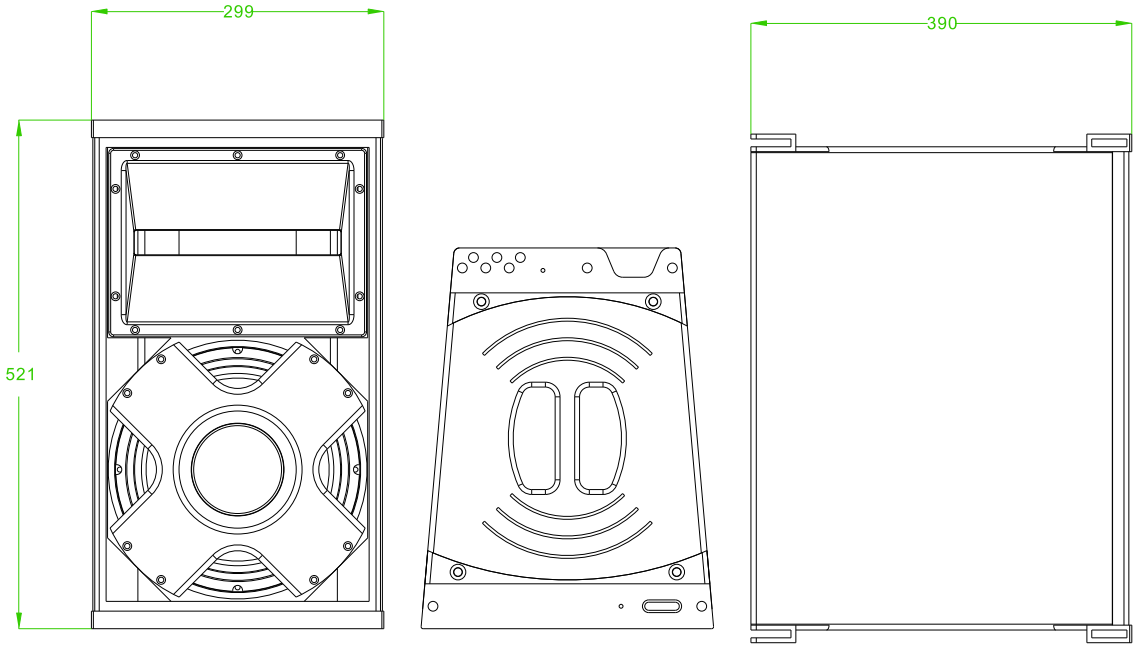
QLASUB18DSP



QLASUB15DSP

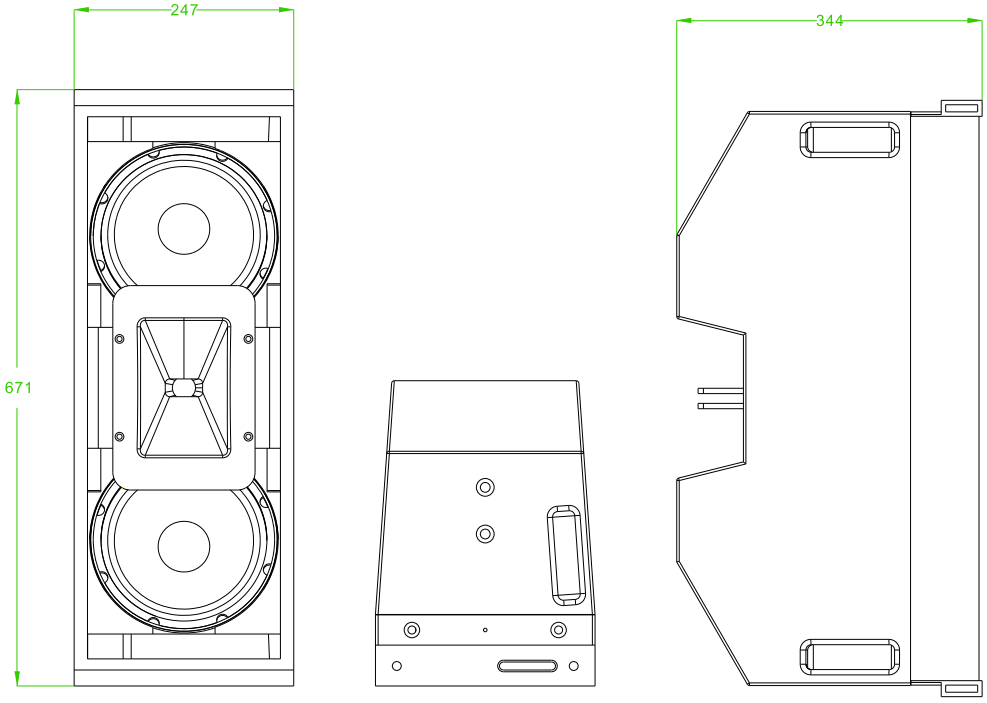


QLA110DSP



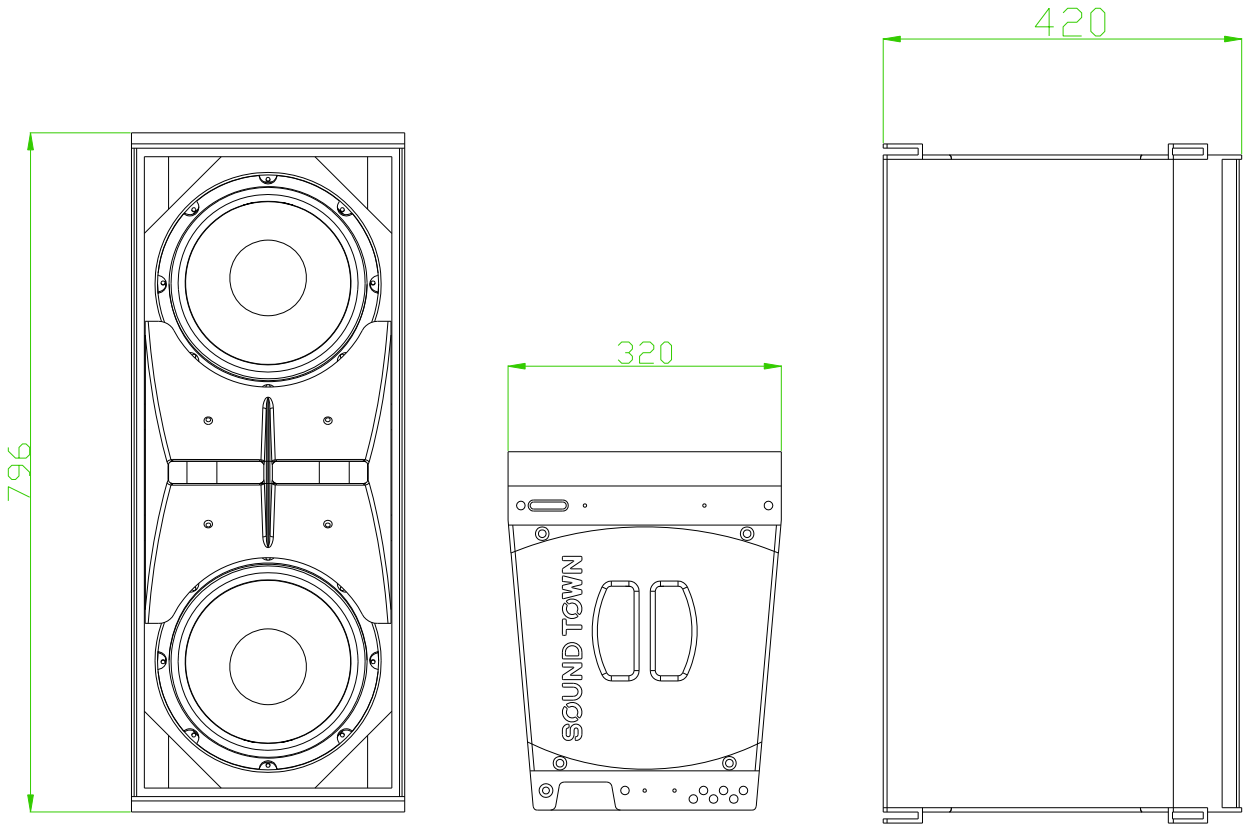
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QLA208DSP



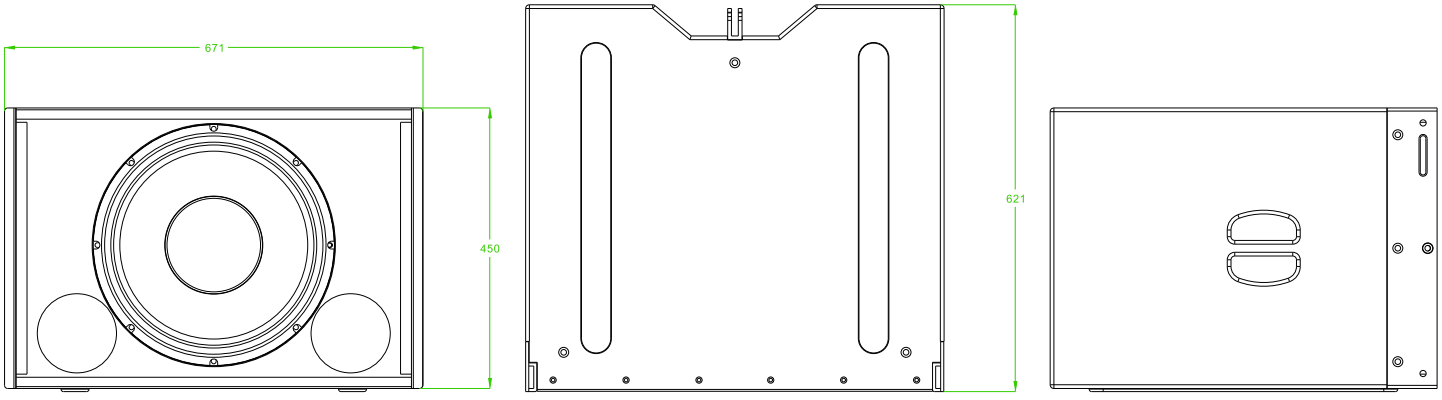
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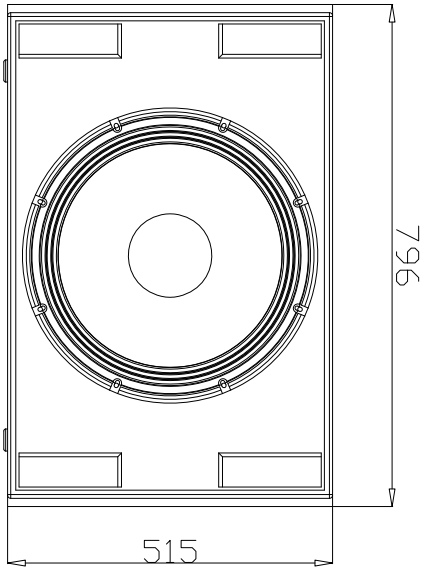
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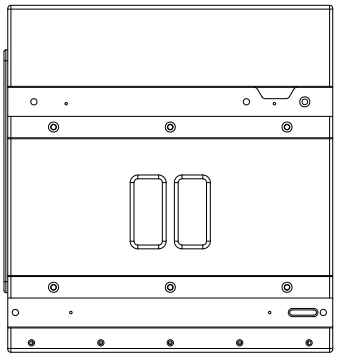


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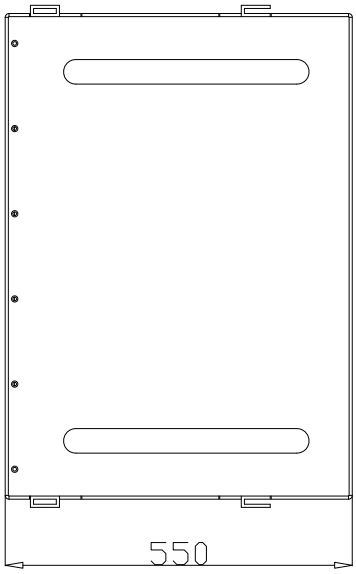
QLASUB18DSP



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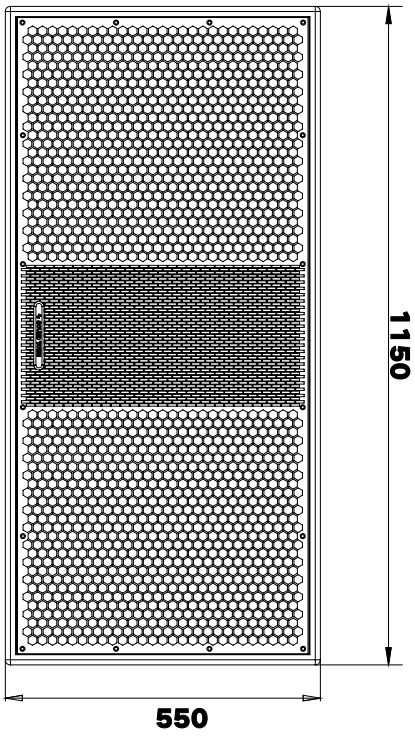


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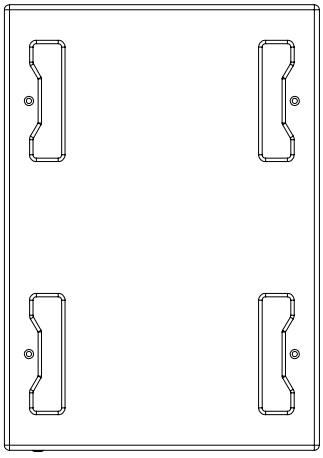


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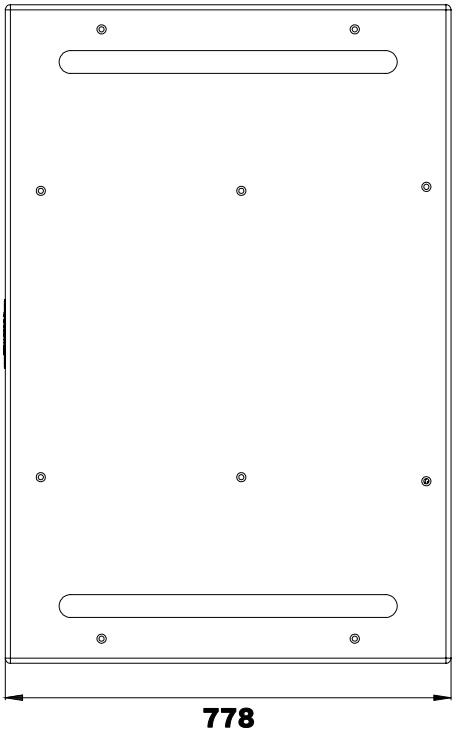
QLASUB218DSP



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