

EL10

# 10" 2-WAY HORNLOADED, COAXIAL LINE-ARRAY SPEAKER

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The EL10 is a two-way high performance line array speaker in a trapezoidal chassis for fixed installations and mobile use. The cabinet is equipped with two 1" HF drivers (1,75" voice coil), which are mounted onto a wave guide. The nominal coverage is 100° x 10° (H x V). The MF/LF section is equipped with one high-performance 10" speaker (3" voice coil), which is hornloaded. The 10" transducer is constructed behind the wave guide of the high-frequency section (coaxial construction). The EL10 can be flown in vertical columns with up to 12 units per side by using the EC1 flyframe. The angle between each EL10 can be adjusted from 0° up to 7,5° in steps of 1,5°. The EL10 is compatible with all other ELITE models including ELITE subwoofers. Up to four EL10 can be directly stacked onto the E18SUB subwoofer without any adapter or additional frame. The chassis is constructed from 15 mm plywood (birch) and covered with black PolyCoat® finish. The cabinet is equipped with two grip handles and one front grill with transparent charcoal foam backing. Two speakon connectors (NL4) are mounted at the rear side of the chassis for signal input (input) and signal link (link). The power rating of the EL10 is 400 W (RMS), the impedance is 8 ohms.



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## PRODUCT DETAILS

### KEY FEATURES

2 HF compression drivers (1.75" voice coil / PM4 technology)

Physical tuntime-correction (coaxial construction)

Hornloaded system for long throw effect

Phase-plug for more SPL (mid frequency range)

Very high SPL (133 dB SPL max. / 103 dB 1W/1m)

100° x 10° nominal coverage

Passive fullrange operation

Integrated "QUICK LOCK" flyware

Durable NOVA PolyCoat® finish

The EL10 speaker can be driven either by NOVA X or DXP series amplifiers with a digital speaker processor. The speaker can be driven also by other professional amplifiers with a maximum output power of 400 W (RMS) at 8 ohms.

### SPECIFICATIONS

<b>System Type</b>	10", two-way, horn-loaded, coaxial, line array
<b>Frequency Range(-10dB)</b>	60 Hz - 20 kHz
<b>Frequency Response(±3dB)</b>	70 Hz - 18 kHz
<b>Coverage Pattern</b>	100° x 10° nominal
<b>HF Horn</b>	Advanced Waveguide for less distortion
<b>Crossover Modes</b>	Passive

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<b>Crossover Frequency</b>	1.1 kHz
<b>Power Rating (Continuous** / Program / Peak)</b>	Passive
<b>Maximum SPL ***</b>	133 dB SPL peak
<b>System Sensitivity (1W/1m)</b>	103dB SPL
<b>LF Driver</b>	1 x NOVA 10/400EL, 3" voice coil woofer
<b>LF Nominal Impedance</b>	8 ohms (active)
<b>MF Driver</b>	n/a
<b>MF Nominal Impedance</b>	n/a
<b>Driver HF</b>	2 x NOVA TPM4-1750, 1.75 in. voice coil compression driver (PM4 technology)
<b>HF Nominal Impedance</b>	8 ohms (passive)
<b>Active Tunings</b>	n/a (passive)
<b>Enclosure</b>	Fullrange, 15 mm, plywood (multilayer)
<b>Suspension / Mounting</b>	Integrated flyware including pins, aluminium / stainless steel
<b>Transport</b>	2 integrated handles
Black NOVA PolyCoat© finish	
<b>Grille</b>	Powder coated, black, perforated steel with acoustic transparent charcoal foam backing, NOVA logo
<b>Input Connectors</b>	2 x Neutrik© Speakon© NL4 1+/1- (2+/2- linked from input to output)
<b>Dimensions (L x A x P)</b>	590 mm x 340 mm x 535 mm
<b>Net Weight</b>	28 Kg
<b>Optional Accessories</b>	EC1: Flying frame (Article number
<b>Optional Accessories</b>	ACS2 Set of 4 stand for EC1 (Article number