

L16

high performance arrayable loudspeaker

The Quint Audio L16 is a high SPL loudspeaker designed for scalable vertical array setups in small and mid field PA applications. It is specially designed to work in cooperation with flown or stacked subwoofers as an ultra compact high performance package.

The L16 module is built symmetrically and has a number of special features. Characteristic to the L16 is the powerful large format coax driver mounted on a horn/waveguide combination that guarantees a constant directivity of 110 degrees linear in a frequency range that runs from 500Hz to over 16000Hz. The mid-low end is provided by two powerful 8" woofers.

The crossover of the L16 is set in a way that in the midrange frequencies the waveguide and the woofers work together in perfect coherence over a large bandwidth, so that in this area a huge surplus in dynamic headroom and directivity is realized which strongly supports the vocals in live setups.

By its ultra compact and smart design, the L16 is user friendly in handling and rigging and very forgiving in setting up.

DESIGN:

The Quint Audio L16 is a 2x8"ND/4"ND/2,5"ND coaxial 3-way actively/passively filtered scalable top speaker system.

The 8-inch neodymium woofers of the L16 are high efficiency transducers with extended mid frequency response and high power handling capability. The speaker uses a specially designed lightweight paper cone material and a Nomex spider which ensures a controlled output even under severe mechanic stress.

The state of art 4"/2,5" ND coaxial driver with a patent pending midrange integrator allows both diaphragms to work in parallel over a wide bandwidth. This translates in greater combined output. The over all throat exit is 1.4". The driver is mounted on a specially designed wave guide, followed by a constant directivity horn with a precise opening angle of 110 degrees horizontally.

The L16 is built of birch plywood and equipped with a wear-, tear- and impact-resistant hybrid coating. Various internal bracings and metal supports are applied in order to increase the rigidity of the design. The front is finished by a coated steel grille with an acoustically transparent layer.

The L16 features an arrayable rigging system and several external rigging accessories are available. The L16 system needs to be powered by dedicated Quint Audio processing and amping.



model	L16
type	2x8"ND/4"ND/2.5"ND Coaxial
filter	bi-amplified + mid-high passive
power handling	1000W LF / 110W HF
program power	2000W LF / 220W HF
impedance	5 Ohms
sensitivity	98dB LF/108dB HF 1Wm
program SPL	131dB LF/131dB HF 1m
frequency range	89-20000 Hz
dispersion	110°x12° h xv
weight	26 kg
size (wxhxd)	580 x 265 x 450 mm

