

L10

arrayable full range loudspeaker

The Quint Audio L10 is a 1x10"/2x1" troath exit arrayable full range loudspeaker module designed for scalable vertical system setups in small to medium-sized PA applications. The system can easily be adapted to a desired coverage and to a desired SPL-demand.

The L10 is suitable for both stacking and flying. In both ways a standard setup is made up of 2 to 3 pcs of L10, to which one or more of the associated L-bass extensions can be added. Stacking and flying of standard setups can be done with the aid of the L-coupler module.

The bass-extensions mentioned are the L-sub and L-low. The L-sub functions as a genuine sub, while the horn-loaded L-low is more suitable as a real low-speaker. A combination of L-sub and L-low results in a very powerful bass foundation to L10 tops. More information in the L-low and L-sub data.

For more elaborate flown setups, involving more than 3 pcs of L10 tops, an additional L-cradle is available. For small ground based setups, with the aid of a special adapter, it is possible to place an L10 on a basic speaker stand or pole. Placing 2 to 3 tops on a stand safely, requires the use of the Quint Audio R2400 speaker pole.

Overall, the L10 is a very versatile and flexible system that is ideal for many daily rental situations and fixed installations and plays a valuable role in the Quint Audio system range.

DESIGN:

The Quint Audio L10 is a 2x1"ND/10"ND 2-way actively filtered scalable full-range speaker system. The 10-inch neodymium woofer of the U10 is equipped with a demodulation-ring and features a 77 mm voice-coil which results in an improved thermal, impedantive and dynamic behavior of the loudspeaker.

Two 1"ND high frequency drivers are applied for the mid- and high frequency range and feature multiple ring-phase plugs which ensure an increased phase purity. The light and durable polymer membranes are driven by 44 mm voice coils. The drivers are mounted on a specially designed dual wave guide, followed by a constant directivity horn with a precise opening angle of 80 degrees horizontally x 12.5 degrees vertically.

The L10 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 L10 features an arrayable rigging system and several external rigging accessories are available.



model	L10
type	10"/2x1,75" arrayable system
filter	bi-amplified
power handling	140W HF/550W LF
program power	280W HF/1100W LF
impedance	10 Ohms
sensitivity	97dB LF/107dB HF 1Wm
program SPL	128 dB 1m
frequency range	48 -20.000 Hz
dispersion	80°x12° h xv
weight	21 kg
size (wxhxd)	580 x 265 x 450 mm

