

The Quint Audio C15 is a constant curvature arrayable loudspeaker module that is tailored for high end installations and particularly suitable for environments that are acoustically and architecturally challenging and where high quality reinforcement is demanded, such as clubs and theaters. The C15 can be used both as a horizontal fixed angle and vertical fixed angle array and delivers real full range capability.

As with all other Quint Audio loudspeakers, utmost attention has been given to perfect constant directivity. The C15 hereto is equipped with a powerful 15" woofer and a large format midrange ring radiator and a dedicated high-frequency ring radiator in a concentric design, mounted on a horn/ waveguide combination. The concentric arrangement of the mid and high frequency drivers result in more phase purity, clarity and more true to life sound reproduction.

On top of that, in the C15 a special way of cross-over filtering is applied. The crossover filters are set in such a way that in the mid frequencies the coaxial driver and the woofer work parallel in perfect coherence over a large bandwidth. This results in a much more homogeneous dispersion and a huge surplus in dynamic headroom in the x-over area which also strongly supports the clarity and dynamics of vocals, especially off-axys.

By guarantying a very accurate 20x90 degree dispersion per cabinet in a frequency range running from around 500Hz to over 18000Hz, there is a minimum of interference between adjacent modules. This also reveals itself in a clear and open sound image not only within a single cabinet, the more when several cabinets are linked together.

Unlike conventional line arrays, the constant curvature C15 is designed to connect directly to an adjacent cabinet only, with no splay angle in between. This principle greatly simplifies array configuration and still offers the advantages of an arrayable speaker such as scalability and coupling. Simply add up the number of cabinets you need to reach your determined coverage and you are good to go.

DESIGN:

The Quint Audio C15 is a 1x15"/1x4"/1x2.5"-coaxial 3-way, 2 channel DSP controlled full-range bass-reflex constant curvature loudspeaker system with a dispersion of 20 x 90 degrees.

The C15 is built of birch plywood and equipped with a wear, tear and impact-resistant coating.

The C15 features several rigging points and accessories that facilitate both horizontal and vertical mounting as a single unit or in an array. It has two SpeakOn4 connection points on the back.

The front is finished by a coated steel grille and backed by an acoustically transparent layer.



MODEL	C15
type	15"4"/2.5" arrayable module
filter	2-channel DSP control
power handling	1200W LF / 110W HF
program power	2400W LF / 220W HF
impedance	8 Ohms
sensitivity	97dB LF / 108dB HF
program SPL 1m	127dB LF / 128dB HF
peak SPL 1m	133dB LF / 134dB HF
frequency range	40Hz-18kHz
dispersion	90°Hx20°V
weight	25 kg / 55 lb
size (wxhxd)	730 x 420 x 510 mm 28.7 x 16.5 x 20.1 inch

