

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, such as churches, clubs and theaters. The C15 can be used as a horizontal fixed angle array as well as a vertical fixed angle array and delivers real full range capability.

As with all other Quint Audio loudspeakers, a great deal of attention was given to perfect constant directivity. The C15 therefore 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 natural phase purity and clarity.

On top of that, the crossover of the C15 is set in such a way that in the mid frequencies the waveguide and the woofer 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 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 reveals itself in a homogeneous, clear and open sound image not only within a single cabinet but especially when several cabinets are linked together.

Unlike conventional line arrays, the constant curvature C15 is designed to connect directly to an adjacent cabinet, with no splay angle in between. This principle greatly simplifies array configuration and 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" front loaded 3-way active/passive filtered full-range bass-reflex loudspeaker system with a constant curvature of 20 x 90 degrees.

The C15 is built of birch plywood and equipped with a wear, tear and impact-resistant hybrid 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 covered with an acoustically transparent layer.



MODEL	C15
type	15"/4"/2.5" arrayable module
filter	active/passive 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	127dB LF / 128dB HF
frequency range	40-18000Hz
dispersion	90°Hx20°V
weight	25 kg
size (wxhxd)	730x420x510mm

