

# C16 full range fixed curvature module for installation purposes

The Quint Audio C16 is a fixed curvature arrayable loudspeaker module that is tailored for high end installations and particularly suitable for environments that are acoustically and architecturally challenging, such as clubs, theatres and churches.

The C16 can be used as a horizontal fixed angle array as well as a vertical fixed angle array and delivers real full range audio reproduction.

C16 is a passively filtered cabinet. This type of filter is very useful when it comes to saving amplifier- and DSP- channels and also saves on cabling.

As with all other Quint Audio loudspeakers, a great deal of attention is given to perfect constant coverage. For that purpose the C16 is equipped with a powerful 15" woofer and a large format mid/high driver, mounted on a dedicated horn/waveguide combination.

By guaranteeing a very accurate 20 degrees vertical dispersion per cabinet in a frequency range running from around 500Hz to over 20kHz, there is a perfect coupling 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 fixed curvature C16 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 C16 is a 1x15"/1x3.5" 2-way passively filtered full-range bass-reflex loudspeaker with a fixed curvature of 90x20 degrees.

The C16 is built of birch plywood with a wear, tear and impact-resistant polyurea coating.

The C16 features several rigging points and accessories that facilitate both horizontal and vertical mounting as a single unit or in a fixed 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 fabric.



<b>MODEL</b>	<b>C16</b>
type	full range fixed curvature / fixed installation
filter	1-channel DSP control
loudspeaker components	15"/3.5"
impedance	8 Ohm
peak SPL* / freq.range (-6dB)	140dB / 45Hz-20kHz
max SPL* / freq.range (-6dB)	121dB / 45Hz-20kHz
max SPL -10dB / freq.range (-6dB)	111dB / 33Hz-20kHz
dispersion (HxV)	90°x20°
connections	2x SpeakOn4
weight	41kg
size (WxHxD)	730 x 425 x 515mm

\* Measurements conform AES-75, carried out with P9 processor and A42 amplifier. Values are scaled to 1m free field.

