

SAFETY INSTRUCTIONS

Read this user manual and keep it with the product.

Always follow all safety instructions and local security regulations.

Never use accessories not manufactured or approved by Aura Audio with Aura Audio products.

Make sure no audience or crew member is too close to loudspeakers when operating with high sound pressure levels (SPL). Professional loudspeaker systems are capable of producing sound pressure levels high enough to cause permanent hearing damage even at exposure times less than couple of minutes.

Please check the Aura Audio website on a regular basis for latest downloads and updates.

In case of any questions please don't hesitate to contact us for more information via info@auraaudio.fi

We also welcome all comments and system pics from you!

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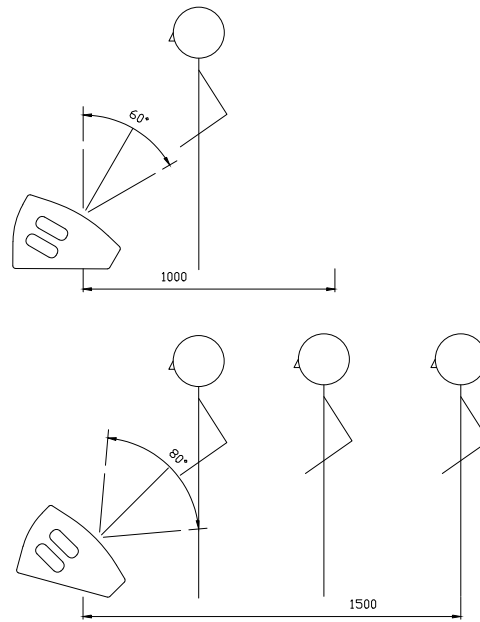


C12 offers versatility in a compact and light weight enclosure. At just 15kg this passive 2-way design packs an enormous punch for its size. Used as a wedge monitor its low, 30 degree, profile makes it inconspicuous on stage. The integrated 35mm stand adaptor and M8 mounting points make it a flexible PA speaker.

The high power coaxial 12" + 1" neodymium driver includes a separate horn for the HF section. With a rotatable 80 x 60 degree dispersion a performer can move around freely and still continue to have even coverage across the stage. The custom designed, internal passive crossover includes a phase alignment and EQ network. Which together with the coaxial driver ensures a seamless and phase coherent transition between the low and high frequency bands. Increasing coherency, intelligibility and gain before feedback.

Details such as the CNC machined handles, with integrated stand adaptor, ultra lightweight plywood fiberglass composite enclosure and small footprint make this a truly adaptable and multi-purpose speaker.

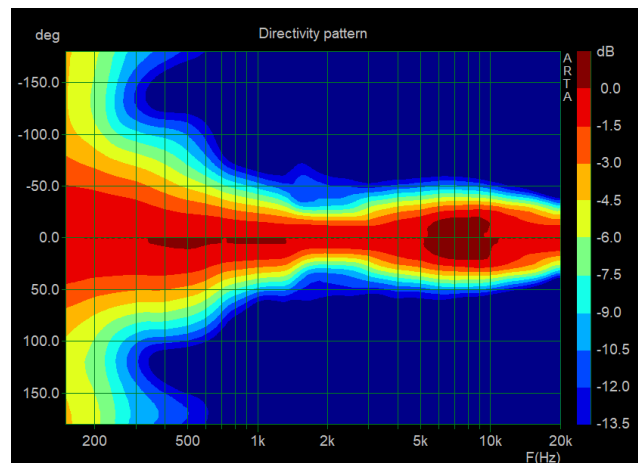
AIMING TIPS AND DIRECTIVITY



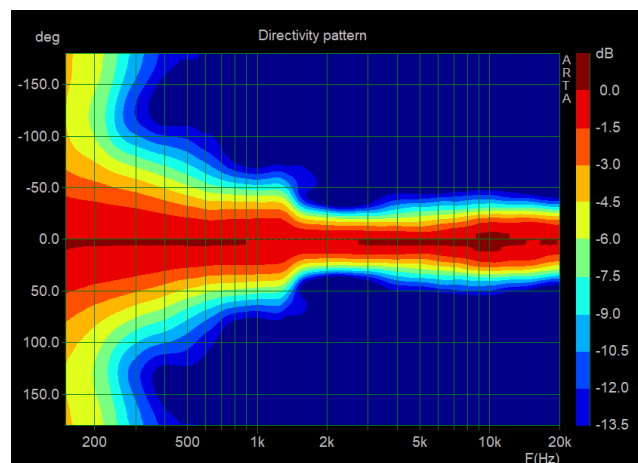
C12 vertical aiming principle

Setting up C12 monitors on the stage varies depending on HF horn orientation. You can also tilt the enclosure using a custom stud and gaining even more depth to coverage on stage.

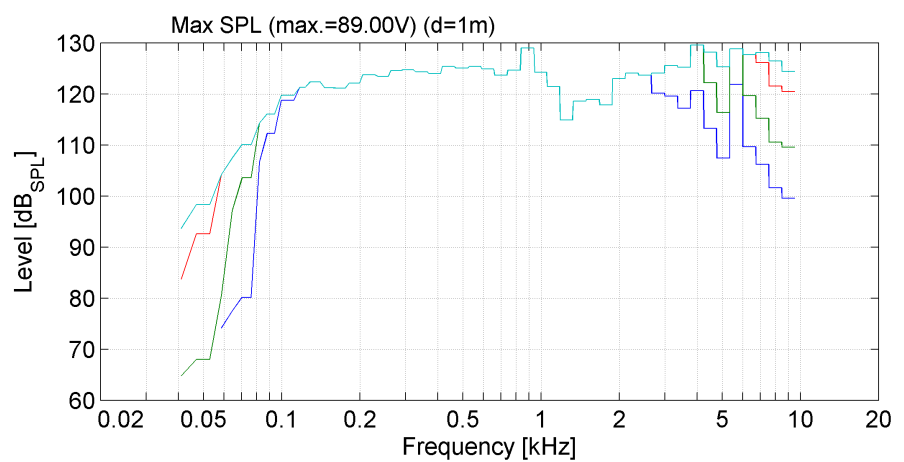
CI2 DIRECTIVITY & SPL vs THD MEASUREMENTS



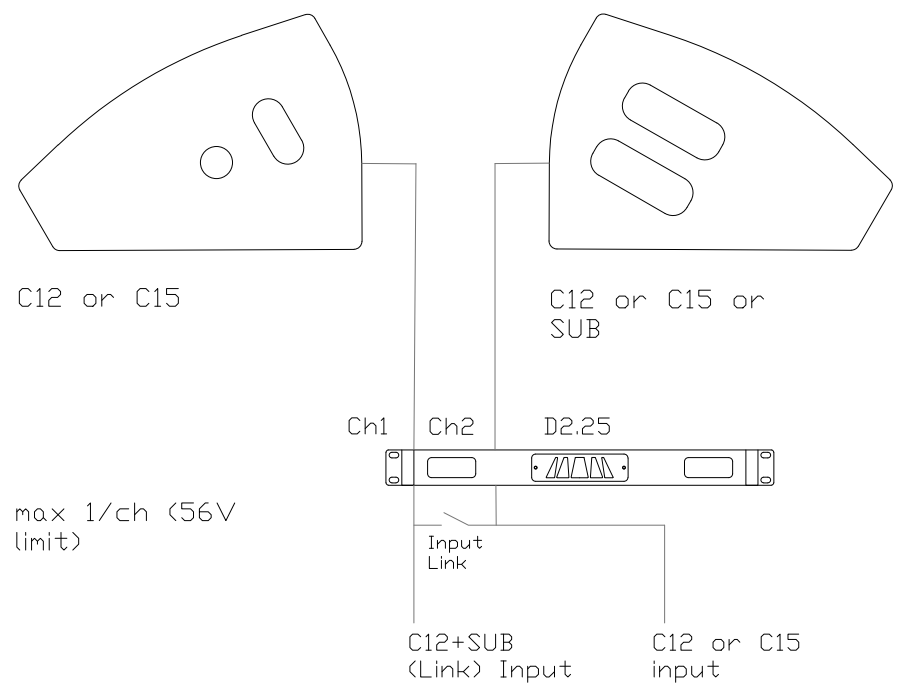
CI2 horizontal 80deg beamwidth



CI2 vertical 60deg beamwidth



CI2 continuous SPL vs THD (1%, 3%, 10% and limit)



Example diagram of C12 stereo system with D2.25 amplifier

SPECIFICATIONS

Frequency Response (-6 dB): 85 Hz – 20 kHz

Horizontal Coverage (-6 dB): 80 degrees

Vertical Coverage (-6 dB): 60 degrees

Max SPL(cont/peak): 126/132 dB (free space)

Sensitivity 1w/1m: 99 dB (free space)

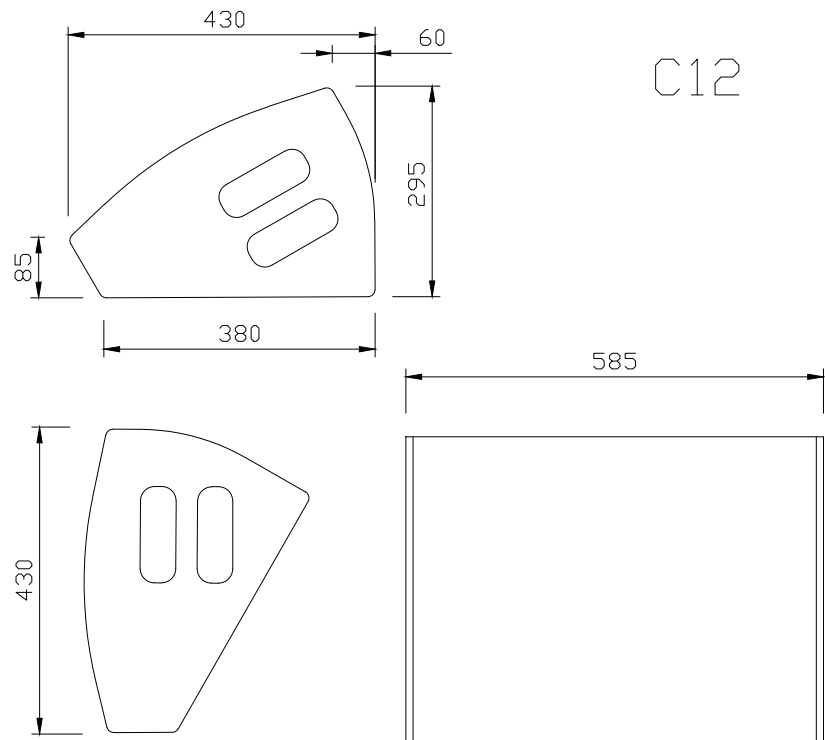
Impedance: 8 ohms

Crossover: passive at 1800Hz

Power handling: 500 W cont, 2000 W peak

Recommended HP-filter: 65-80Hz

DIMENSIONS



DRIVERS

LF: (1) x 12" long-excursion cone driver, reflex-tuned

HF: (1) x 1" exit neodymium magnet annular compression driver, horn-loaded, coaxial

ENCLOSURE

Enclosure material: Plywood, fiberglass

Grille: Steel grill, black powder coat

Connectors: Speakon NL4

Dimensions: 585 mm x 430 mm x 295 mm

Weight: 15 kg

EC declaration of conformity Manufacturer:

Aura Audio Oy
Pääskykalliontie 3
21420 Lieto
Finland

We declare the under our sole responsibility the following product models:

A-Series,
C-series,
F-Series,
XD-series,
XQ-series,
i-series and

S-series products are intended to be used as loudspeakers and are in conformity with the following EC Directives, including all amendments, and with national legislation implementing these directives:

BS EN 60065:2002

BS EN 55103-1/-2

March 2024

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke extending to the right.

Mika Isotalo
Managing Director