The C15 is a coaxial two-way monitor. Being a low-profile cabinet, it fits perfectly into any environment.

The nominal dispersion angle of 70 × 55 degrees can be changed to 55 × 70 degrees by rotating the horn if necessary. The passive crossover of the C15 adds MHF and LF particularly accurate and phase coherent. Due to the low crossover frequency of the MHF driver, the C15 sounds even more direct, especially in the important speech range. Mind you, that is even on standard amplifiers without any additional corrections required. Due to its coaxial design, the sound always comes exactly from the center of the C15, regardless of the listener‘s position. The specially designed 15“ chassis, in conjunction with the cabinet and generously sized bass reflex ports, provides defined bass reproduction coupled directly to the floor with noticeable punch.

Like the M10, M12 and M15, the C15 also features the proven flying rails. Using air cargo double stud fittings or the specially developed swivel bracket, the C15 can thus also be easily suspended as a top unit. The bracket is mounted without tools and with non-removable parts so nothing gets lost. A pole mount is also integrated directly into the housing. The optionally available CaseC15 provides space for two C15.

The C15 is a true high-performance monitor that can be used multifunctionally and is optimally compatible with all TWAUDiO speakers.

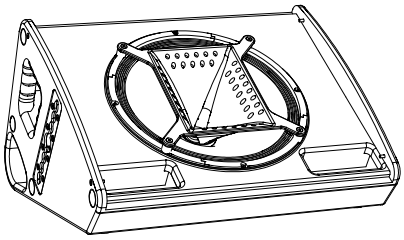
Key Features

- Low-profile wedge-shaped enclosure with coaxial driver arrangement
- Usable as monitor (stable grille) or in upright, vertical operation on a stand
- Switch to select operation mode passive or bi-amp
- Rotatable HF horn with constant directivity, 55° × 70° or 70° × 55°
- Coaxial chassis with a 15“ LF woofer and a 1.4“ mid-high frequency tweeter with 3“ voice coil
- Three SpeakON®sockets
- Coherent phase response with all TWAUDiO subwoofers
- Operation with dedicated TWAUDiO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

Applications

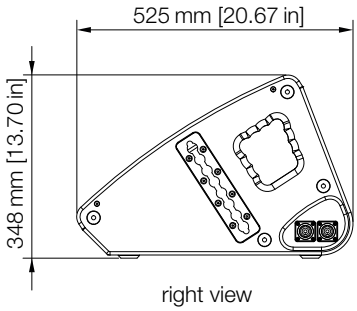
- Galas, events and shows
- Churches, houses of worship, religious places
- Theatres and cultural places
- Bars and restaurants
- Concerts and touring

Technical Data

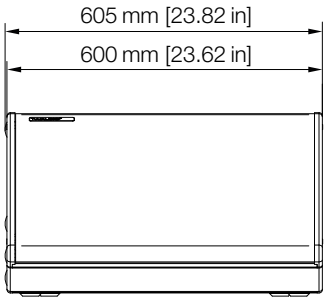


Drivers	1× 15“ LF | 1× 1,4“ HF with 3“ diaphragm
Frequency range	55 - 17000 Hz
Power capacity program / peak	passive: 800/1600 W | bi-amp: 320/640 W HF, 800/1600 W LF
Impedance	passive: 8 Ω | bi-amp: 20 Ω HF / 8 Ω LF
Coverage (h × v)	70° × 55° rotatable
Sensitivity 1 W / 1 m	101 dB
SPL max / 1 m	133 dB
Connection	speakON® NL4 1± (passive) | NL4 1± HF / 2± LF (bi-amp)
Dimensions (H × W × D)	348 × 605 × 500 mm | 13.7 × 23.82 × 19.69 in
Weight	23,8 kg | 52.5 lbs
Finish	Warnex textured paint (RAL colors optional)
Accessories	see twaudio.com

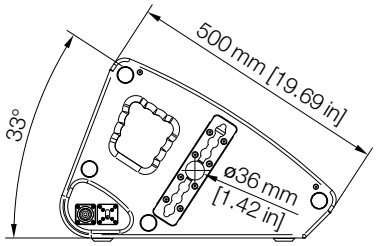
Technical Drawing



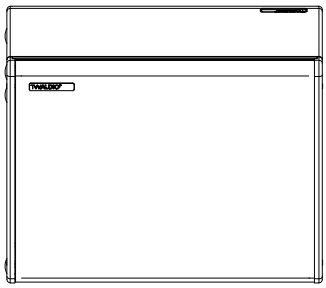
right view



front view



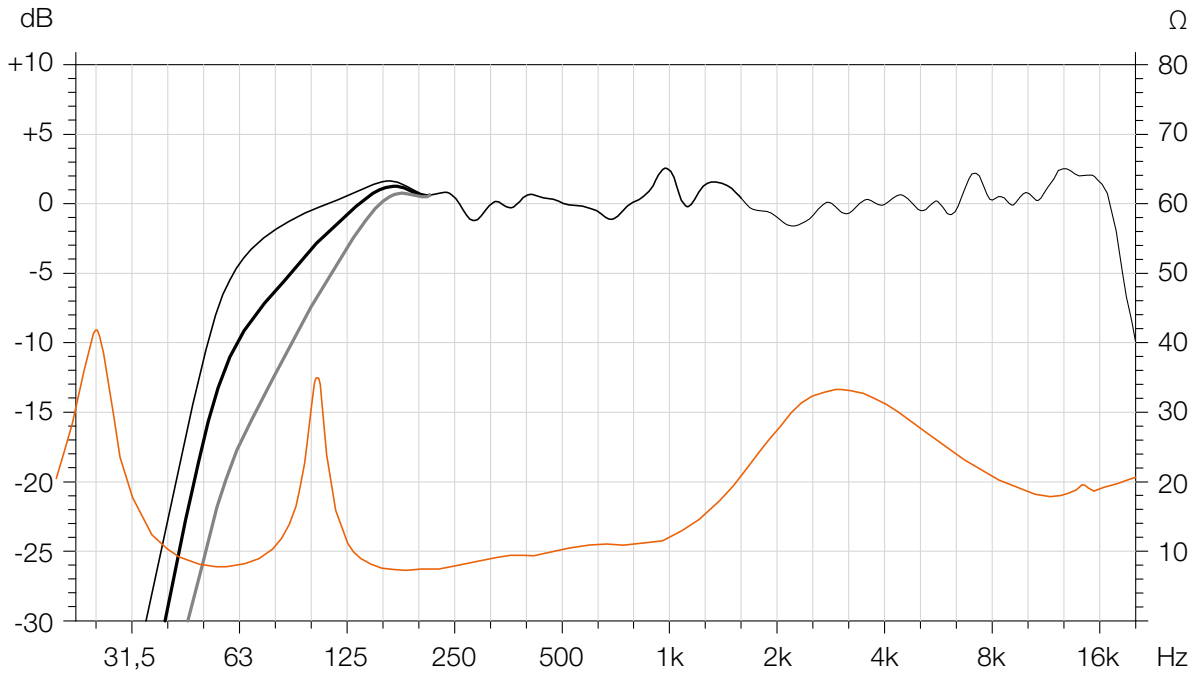
left view



top view

Frequency Response

FULL mode / **FLAT mode** / CUT mode | IMPEDANCE

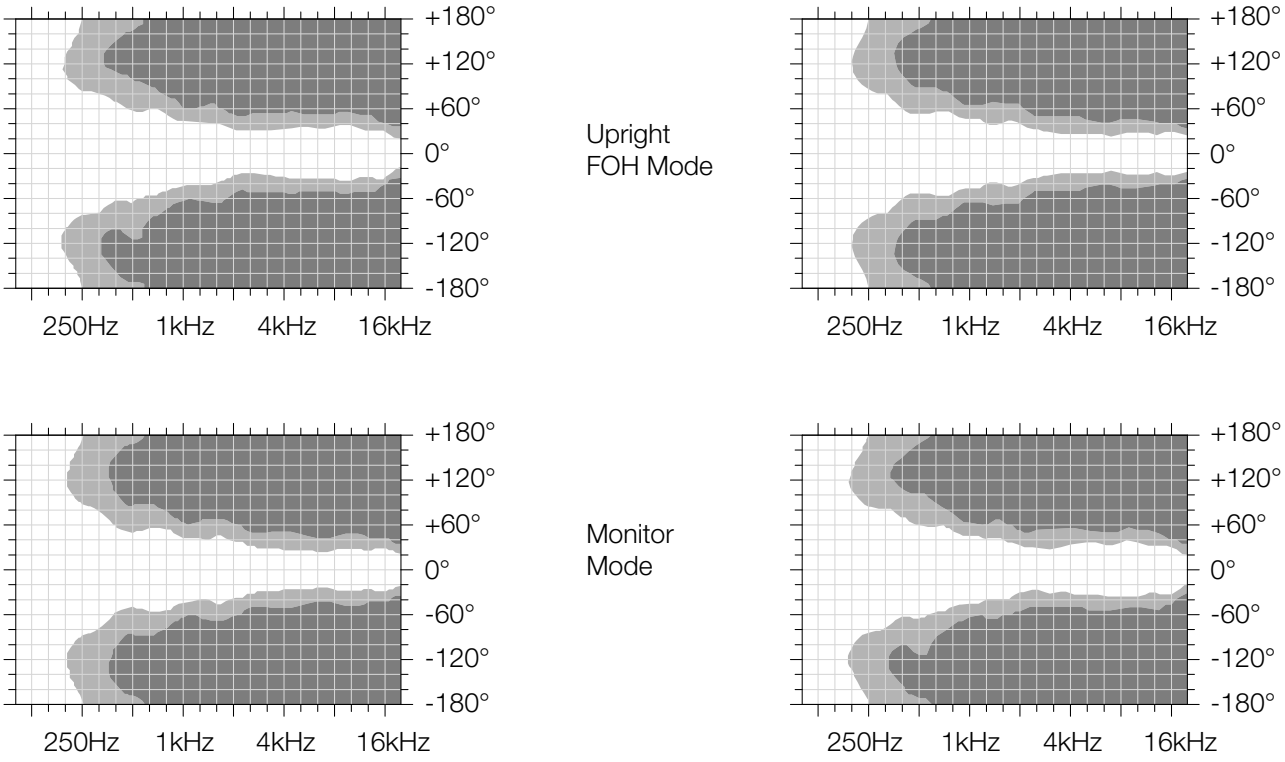


Radiation Pattern

-6 dB | -12 dB

horizontal

vertical



Architect Specifications

The loudspeaker shall consist of a low-profile wedge-shaped enclosure with coaxial driver arrangement driven and protected by a dedicated powered amplified controller. The loudspeaker shall be usable in monitor or standing, vertical operation. The loudspeaker shall have a selection switch for switching between operation modes passive and biamp.

The enclosure shall feature one 15“ long excursion neodymium HF transducer coaxial to one 1.4“ compression driver neodymium with 3“ diaphragm. The loudspeaker shall have a rotatable grad constant directivity HF horn, 55° × 70° or 70° × 55° in monitor operation.

The usable system bandwidth shall be 55 Hz to 17000 Hz.

Maximum peak SPL shall be 133 dB. The long-term handling capacity shall be 800 W program / 1600 W peak passive and 320 W program peek HF and 800 W program / 1600 W peek
The nominal impedance of the loudspeaker 8 Ω passive and 20 Ω HF / 8 Ω LF biamp.

The enclosure cabinet construction shall consist of first grade birch plywood. The front of the enclosure shall be protected by a perforated, powder-coated steel, covered with a flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 605 mm (23.82 in) in width, 348 mm (13.70 in) in height and 525 mm (20.67 in) in depth and the enclosure weight shall be 23.8 kg (52.5 lbs).

The enclosure shall include internal hardware for rigging and be used in conjunction with dedicated rigging accessories. The enclosure shall feature two integrated handles and four stacking rubber feet. The enclosure shall be connected via three parallel 4-pole speakON® sockets.

The loudspeaker shall be the TW AUDiO C15.

References
The response curves of the system are available upon request – support@twaudio.com

Manufacturer:
TW AUDiO INTERNATIONAL GmbH
Osterholzallee 140-2
71636 Ludwigsburg (Germany)

TW AUDiO INTERNATIONAL GmbH
Osterholzallee 140-2
71636 Ludwigsburg (Germany)

Phone: +49 7141 488989-0
Fax: +49 7141 488989-99
Mail: info@twaudio.com

MADE
IN
GERMANY

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