

## GAE System 62N Twin Coaxial 2-Way Loudspeaker

### Key Features

Slim format - high output. Passive loudspeaker system for music and speech reproduction. The trapezoidal vented cabinet incorporates 2 high power N-Dym 6,5-inch transducer with 1,5-inch voice coils in a twin coaxial design combined with a 1" HF-Driver with 1,75-inch voice coil on a Radial Horn. The twin coaxial design optimises the radiation pattern for horizontal system use.

### General:



The System 62N is a passive high output stage system for mobile use and fixed installations. The twin coaxial system design incorporates symmetrical passive filter stages and optimises the dispersion pattern also for horizontal use. The radial dispersion of is 90°x60°. The smooth frequency and phase response in line with the twin coaxial design allows many applications including excellent frontfill properties for L/R line array applications.

The rugged enclosure is made from 12mm plywood with a recessed handle on the backside. It provides one 10mm threaded shaft on top and bottom and four 6mm threads on the bakside making different installation mounts to be used. Connectivity is provided by two NL4 Connectors.

With its high sensitivity of 94dB SPL 1W/1m the System 62N produces impressive 121dB/1m with 500W.

The acoustical bandwidth is 85Hz - 19KHz ( (-3dB)+/- 2,5dB) with controller) and the phase response is within +/-45°.

The non critical impedance response with a minimum of 6,2Ohm@243Hz allows the safe operation of multiple System 62N on one channel of a professional grade power amplifier.

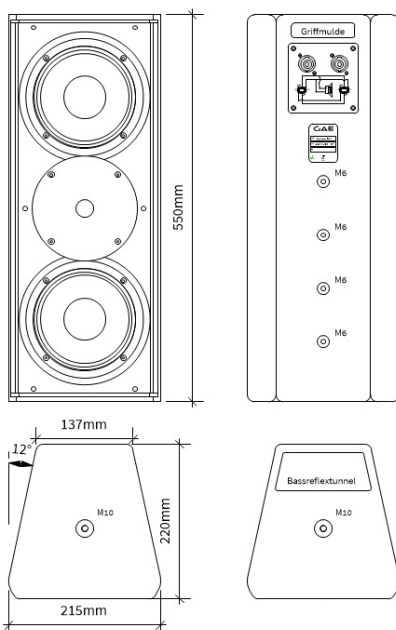
### Architectural:

The System 62N is a medium format sound reinforcement loudspeaker in a slim trapezoidal cabinet design. It is well known for its sound quality in voice transmission and music reproduction and therefore remarkably accepted in mobile applications and as well installations.

The System 62N measures 550mmx215mmx220mm (HxBxT) only and different colour options in RAL/NCS tones are available to match interior desing. A special protective front grill with a highly permeable acoustic foam cover is recessed into the baffle design. Different mounting accessories for wall-, ceiling- or pole mounting are available and can be ordered colour coordinated. In addition user specified mounting hardware can be designed and made by GAE.

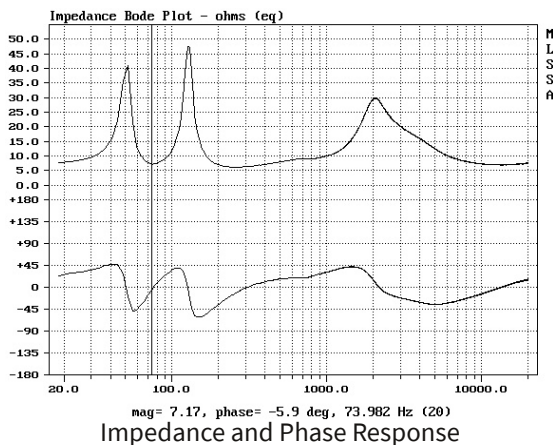
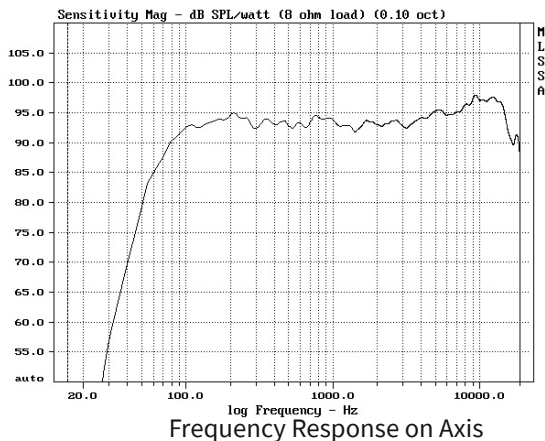
The musical quality can easy be underlined with a matching sub-/ low woofer system like the GAE BR12N, GAE BR115 or GAE BR15N extending the performance down to 40Hz.

A variant version of the System 62N is the System 6N.

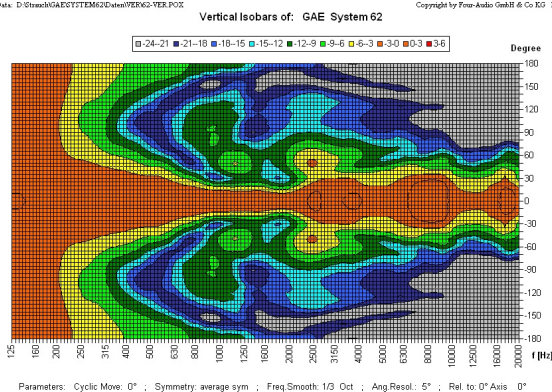


## Applications:

Portable audio and installed systems \* Fill-effect- and delayline loudspeaker for stages and theaters  
 High quality playback systems for lobbies and bars \* Audio for conference centres, presentations and ballrooms  
 High quality boardroom installations



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Isobars Of Vertical Acoustic Dispersion

## Engineering:

Design: Twin Coaxial 2-way passive loudspeaker in a vented cabinet

Frequency Response -3dB: ((-3dB)+/- 2,5dB): 85Hz - 19KHz in Fullrange Setup

Frequency Response -10dB (-10dB +/-2,5dB: 60Hz - 19KHz in Fullrange Setup

Dispersion: 90° radial

Phase Response (+/-45°): 85Hz - 19KHz

Nominal Impedance: 18Ohm, minimum impedance is 6,2Ohm@243Hz

Power Handling Capacity: 500W RMS (IEC 268-5) = 32dBu, 700W Program = 35dBu

Sensitivity (2,83V/80hm/1m): 94dB/SPL

Program SPL: > 121dB @500W/1m<sup>1</sup>

Components: 2x6,5-inch cone transducers with neodymium magnet and coated cone with 1,5-inch voice coil and 1" HF-driver with 1,75-inch voice coil on radial 90° Horn

Mounting: 1 x M10 threads on top/bottom and sidewall, 4xM6 on backside

Housing with recessed handle on the backside: 12mm

multiplex wood with varnish coating

Dimensions (HxWxD): 550x216x220mm

Connectivity: 2 speakon NI-4 in parallel

Weight: 10,8kg

Options: RAL/NCS colours for varnish coating. Standard

Colour is RAL 9005 (black)

Optional attachments: wall/ceiling mounting yoke, standing yoke and customer specified mounting hardware.

Related Products: GAE BR 12N, BR15N, BR115 sub/low woofer systems, GAE System 6N loudspeaker

Compliant to: CE, ROHS, Reach

<sup>1</sup> ≤ 10% THD