

CA 1001

- 2-way full-range system with 10" low-mid chassis / 1" high frequency driver
- Rotatable 85° x 55° CD horn for precise coverage pattern
- Crossover with delay time and phase alignment for passive operations
- Max. SPL 124 dB (peak / 1m)
- Optional digital system controller CD 44



The model CA 1001 is the consequential completion of the successful CA Series. The compact full-range system is equipped with a 10" low-mid chassis, a 1" horn driver combination, and a passive crossover.

As compared to its compact dimensions, the CA 1001 system possesses astounding low-range qualities which can be increased with additional bass boost (EQ or optional digital system controller CD 44).

The CA 1001 is suitable for all kinds of programme material and offers exceedingly flexible usage possibilities, i.e. as a discreet P.A. system in combination with subwoofers, as centre and offset speakers, or as a compact stage monitor. With the consistent and very controlled coverage pattern of 85° x 55°, the CA 1001 is suitable for high-quality sound reinforcement for close and medium listening ranges.

The especially low-distortion 1" neodymium driver with a titanium diaphragm comes into operation starting at 1.4 kHz. This low-frequency coupling of the horn results in a homogenous omnidirectional coverage, high assertiveness, and a low propensity for feedback. Furthermore, the CA 1001 is also suitable to be combined in a cluster.

The complex design of the crossover enables the frequency and impedance characteristics to be linearised. For the CA 1001, delay time and phase alignment as well as all protective circuits are set up separately for the low and high frequency paths. With this, the CA 1001 has an untainted fine mid-range resolution and superb speech intelligibility. A multitude of fine details make the CA 1001 System an all-rounder with 'Plug & Play' qualities. The multifunctional enclosure has a discreetly integrated handle, a steep monitor angle of 54°, which is especially well-suited for small stages, thread inserts for multifaceted use on a stand, for horizontal or vertical 'flown' use, and for use in combination with tilt brackets and mounting brackets.

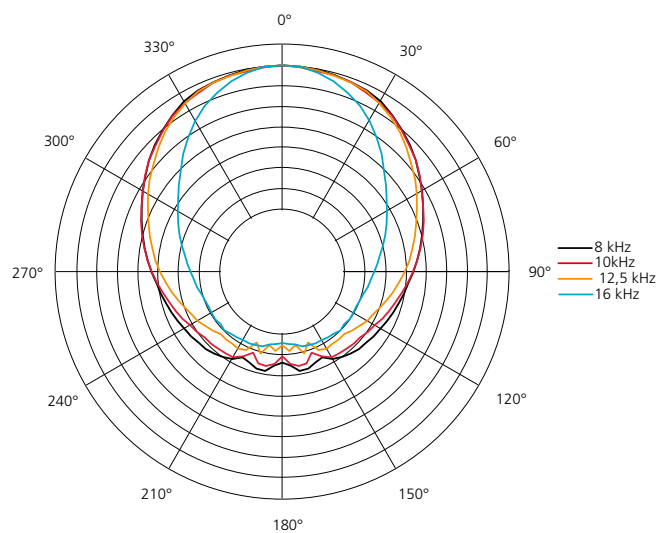
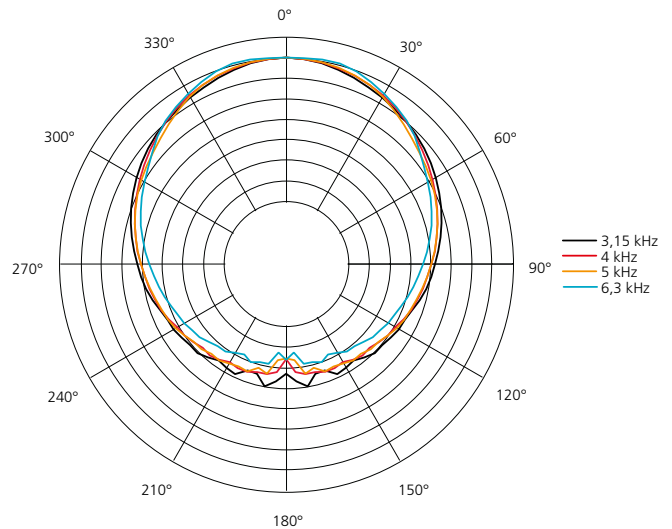
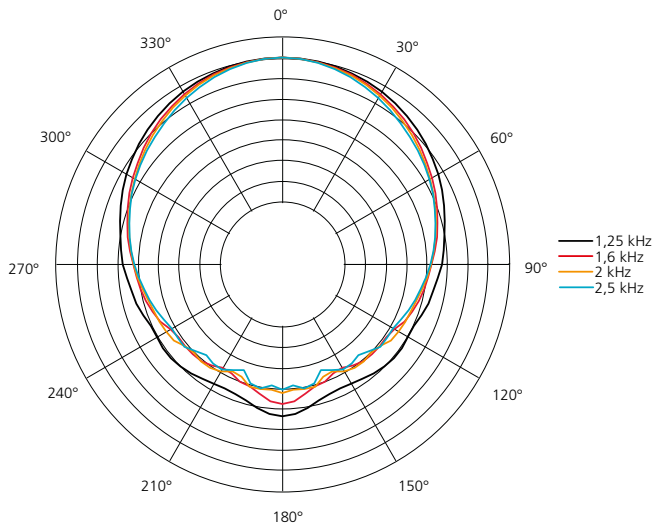
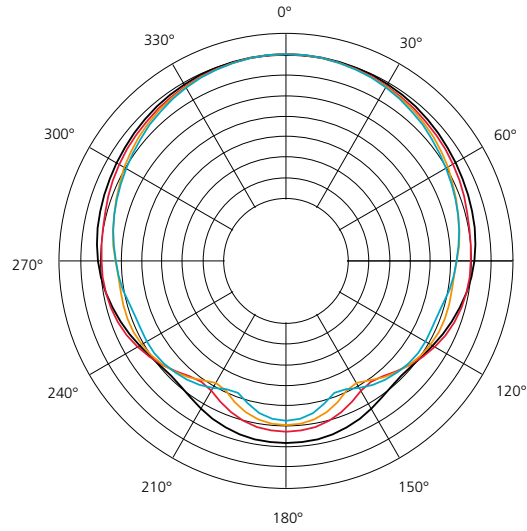
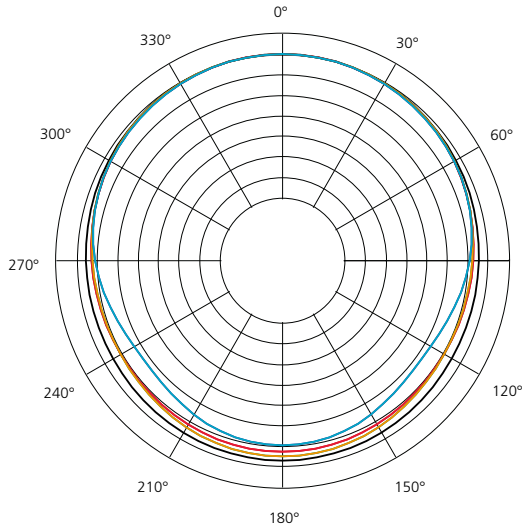
The CA 1001 is suitable for fixed installations as well as mobile uses. A sensible range of accessories, options for 100 V and outside uses, as well as the optional digital system controller CD 44 are available.

The outstanding sound qualities combined with the high flexibility, simple handling and phenomenal power capabilities help make the CA 1001 a state of the art system in this performance class, and its qualities convince professional users.

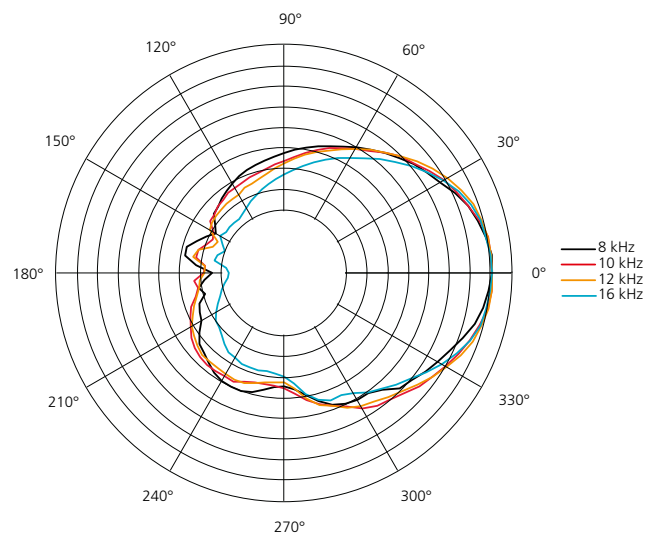
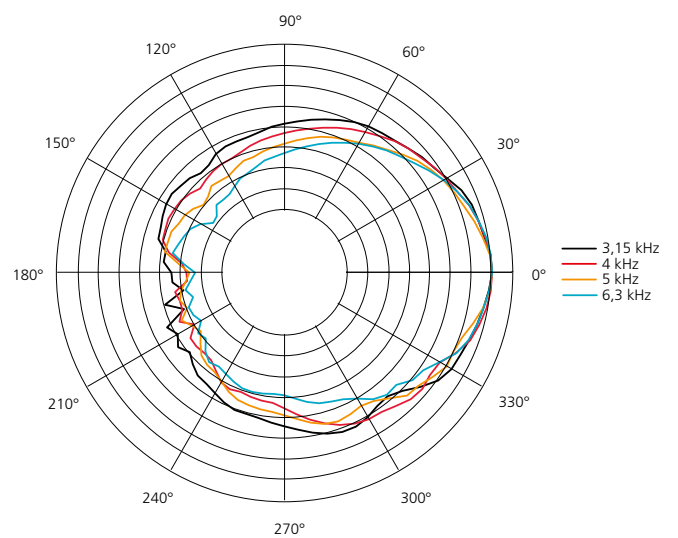
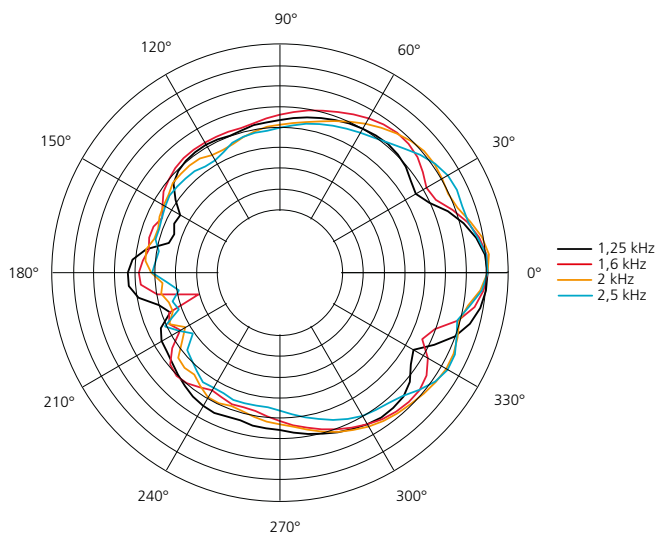
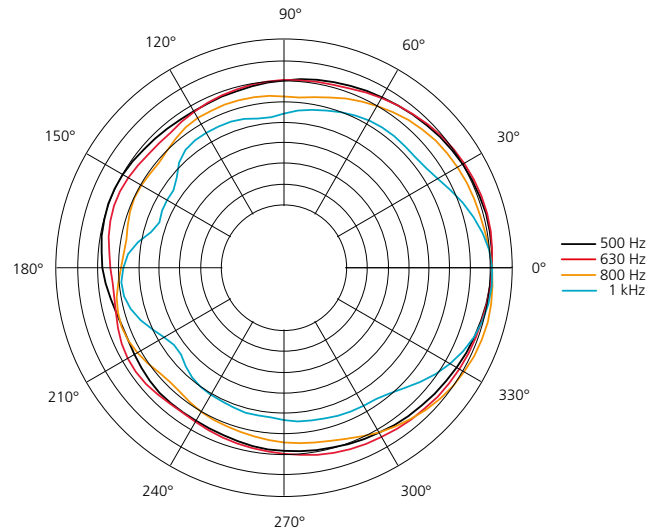
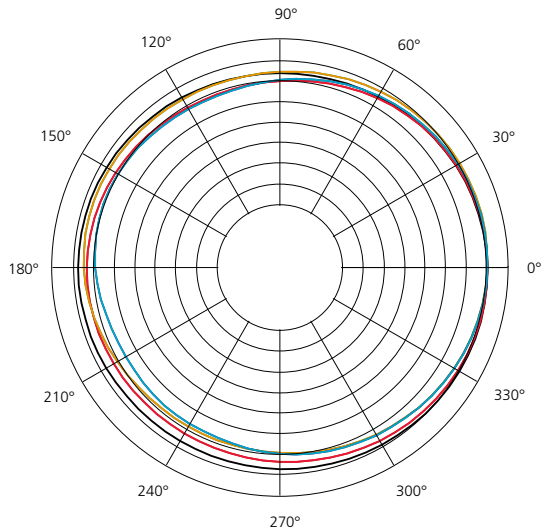
Loudspeaker	
Design	2-way passive system, bassreflex tuning
Frequency range -10 dB	53 Hz - 20 kHz
Frequency range ±3 dB	82 Hz - 19 kHz
Coverage angles nominal	85° x 55° (hor. x vert.)
Directivity Index (DI)	10 (+1.5 / -1) 1.2 kHz - 14 kHz
Power handling	250 W nominal ¹⁾ 500 W Programm ²⁾
SPL 2,83 V / 1 m	96 dB
Max. SPL	124 dB (SPL peak / 1 m)
Components	10" low-mid chassis 1" high frequency driver with 45 mm Titanium diaphragm on a rotatable CD-horn
Crossover	2-way crossover with delay time and phase alignment, self-resetting protection circuit for low and high frequency path
Impedance (nominal)	6 Ω, Zmin. 4.8 Ω
Connectors	2 x Speakon NL4MP (1+ / 1-)
Enclosure	
	Multi-functional enclosure with 54° monitor angle out of 15 mm multiplex with highly resistant structured paint (PU) in black or white, 1 ergonomic handle, 2 x M6 und 8 x M8 thread inserts, ball-proof steel grill with exchangeable black or grey (white) acoustic foam
Dimensions (W x H x D)	313 x 520 x 307 mm
Weight	18.3 kg
Options	'100 V' version with 300 VA toroidal transformer (20.9 kg), 'barrier strip' instead of speakon connectors, 'Outdoor Mobile', 'special finish in RAL colours'
Accessories	see Catalog or www.kling-freitag.de

All measured values without controller
¹⁾ pink noise, 2 h ²⁾ as ¹⁾ but with 50% duty cycl

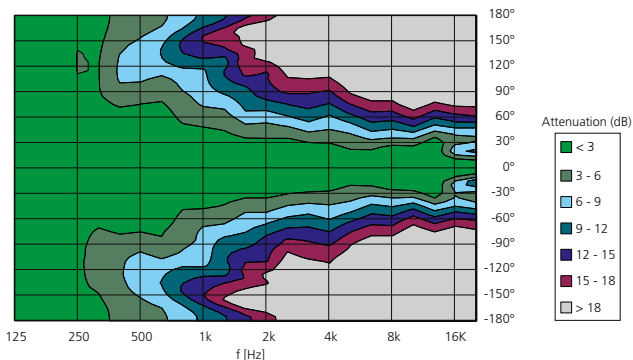
Horizontal polar pattern



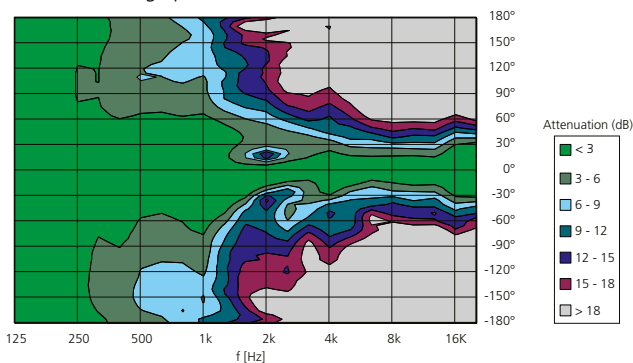
Vertical polar pattern



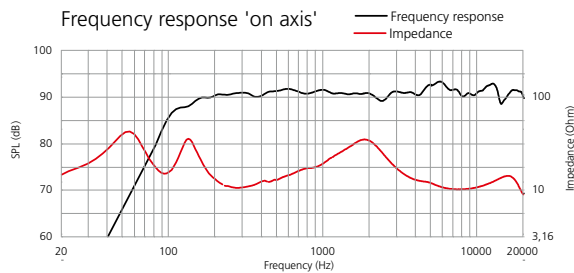
Horizontal coverage pattern



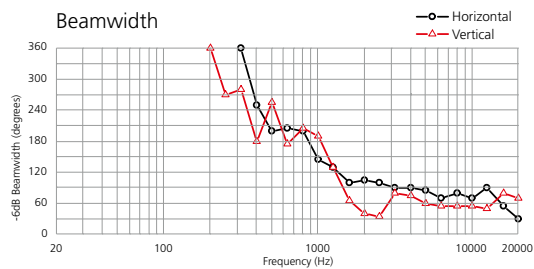
Vertical coverage pattern



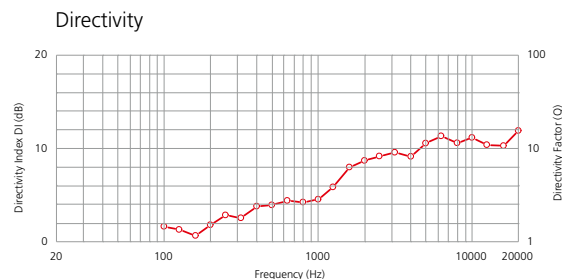
Frequency response 'on axis'



Beamwidth



Directivity



All measurements under free field conditions. Frequency patterns 1/6 octave averaged. Coverage and polar pattern 1/3 octave averaged. The manufacturer reserves the right to make product alterations to improve product quality without prior notice. Errors excepted.

