

- Coaxial 2-way beam steering line array
- 48 DSP and amplifier channels
- Real time beam steering with intuitive VIDA App
- GPIO and SGPIO for easy system integration
- Natural sounding
- High directivity control for acoustic demanding environments
- Weatherproof design for outdoor use



The VIDA M series consists of four specialized loudspeakers for acoustically demanding installations.

The design consists of large number of drivers and DSP channels in a 2-way coaxial layout, to provide a high level of vertical and horizontal pattern control.

The axisymmetric chassis arrangement maximizes gain before feedback

The dispersion characteristics in the vertical axis can be adjusted in real time using the K&F VIDA App. The opening angle can be changed in 0.1° steps from 0° - 90°, and the steering angle can be selected in the range from -45° to +45°.

Due to the high directivity, these loudspeakers can also be used for sound reinforcement applications with a considerable range.

Each loudspeaker of the VIDA series offers the possibility to generate two separately controllable sound beams (split beam) from one speaker. An effective side lobe reduction can be switched on or off at the push of a button, depending on the application.

With the asymmetrical VIDA M variants, the speaker can be mounted in two different orientations. This allows a better adaptation to the acoustic requirements, as the acoustic centre is located at different heights. The S-versions with the symmetrical acoustic centre are also suitable for horizontal applications as centre loudspeakers.

All relevant drivers in the various VIDA M models are controlled via their own DSP and amplifier channel. In addition to the acoustic advantages and the artefact-free beam steering capability up to 10 kHz, this ensures maximum performance with very high operational reliability, as each chassis has its own limiter.

The VIDA M series offers all common input interfaces such as Dante™ (prim/sec), AES67, AES3 and analog inputs. A fallback circuit allows the assignment of a second input as backup for the primary signal. The analog input has a pilot tone monitoring for this purpose.

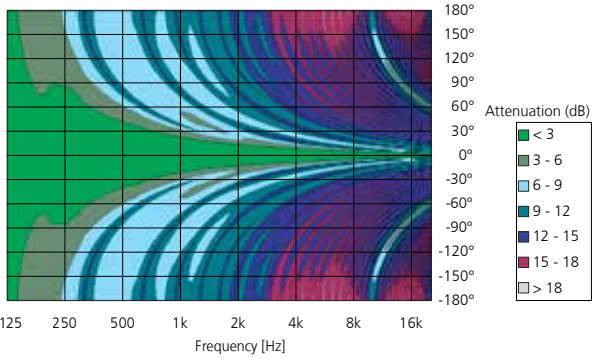
Control is conveniently via the network and, if required, can be done without any configuration by means of auto-addressing.

Various GPIO ports are available for integration into media control systems or alarm systems, enabling flexible integration into existing or new systems. On the output side, the VIDA M series offers an additional aux-out, which can be used to expand the system with self-powered subwoofers, for example.

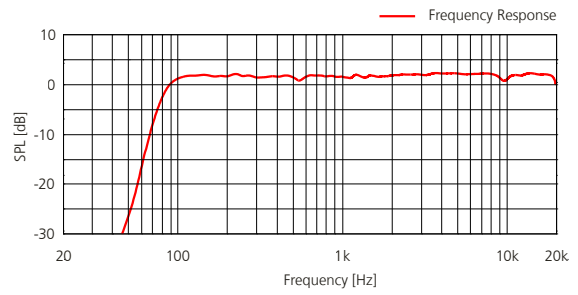
Due to the enclosure design, the coated drivers and the extended temperature operating range up to 45° C (113° F), the VIDA M Series is suitable not only for classic indoor applications but also for outdoor applications.

K&F VIDA M 110 / 110S / 220 / 220S	
Design	Active 2 way Coaxial Column Speaker
Frequency response ± 10 dB	95 Hz – 22 kHz
Frequency response ± 3 dB	125 Hz – 21 kHz
Coverage angle horizontal	90° nominal
Coverage angle vertical	Continuous in 0,1° Steps adjustable up to 90°, +/- 45° Steering angle
Controlling	Every speaker is controlled by his own amplifier and dsp channel
Maximum SPL (1m)	VIDA M 110: 131 dB VIDA M 110S: tbd VIDA M 220/S: 133 dB
Range (for appr. 100 dB SPL)	VIDA M 110: 20 m VIDA M 110S: 25 m VIDA M 220: 30 m VIDA M 220S: 32 m
Components	VIDA M 110 (VIDA M 110S): 16 x 1" dome tweeter (32 x 1" dome tweeters) 8 x 4" low mid chassis (8 x 4" low mid chassis) VIDA M 220/S: 32 x 1" dome tweeter 16 x 4" low mid chassis
AUX OUT	Nominal +6 dBu
Analog Input	Fullscale at +18 dBu
Connectors	Phoenix-Connector (9 Pin): Analog Input, AES/EBU Input, AUX OUT Phoenix-Connector (15 pin): GPIO RJ45 Connectors: Remote, Dante (Primary/Secondary)
Power Supply	100 V – 240 V, 50/60 Hz
Rated Input Power	VIDA M 110 185 W VIDA M 110S tbd VIDA M 220/S 305 W
Maximum Power Consumption	VIDA M 110 450 W VIDA M 110S tbd VIDA M 220/S 700 W
Enclosure	Extruded aluminum profile, heavy duty powder coating in black, opaque steel grille with black acoustic foam
Dimensions (W x H x D) in mm	VIDA M 110/S: 150 x 1083 x 133 VIDA M 220/S: 150 x 2166 x 133
Weight	VIDA M 110: 17 kg VIDA M 110S: tbd VIDA M 220: 30 kg VIDA M 220S: tbd
Colour	RAL 9005 (black) RAL 9010 (white) RAL special colour
Options	www.kling-freitag.com
Accessories	Wall mount pair, stand adaptor, flying frame

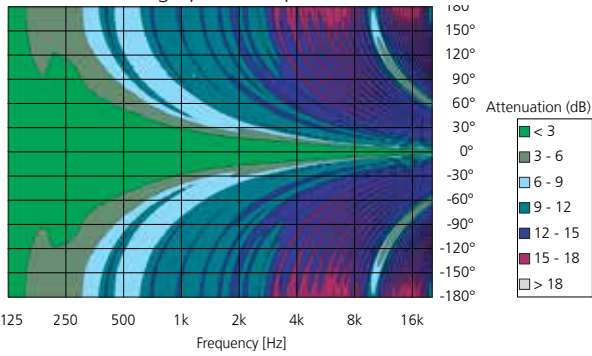
Vertical coverage pattern



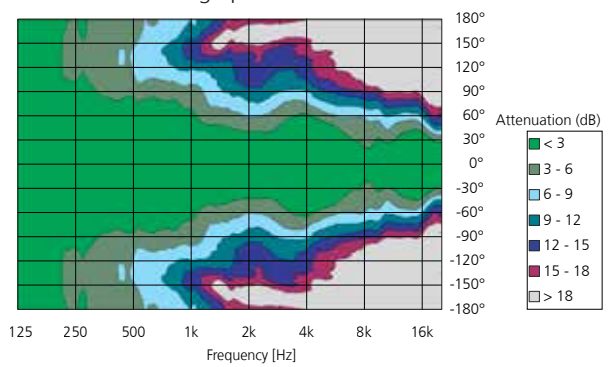
Frequency response



Vertical coverage pattern optimized



Horizontal coverage pattern



Alle Messungen unter Freifeldbedingungen. Frequenzgangdiagramme 1/6 Okt. geglättet. Abstrahl- und Polardaten 1/3 Okt. geglättet. Technische Änderungen, die der Verbesserung der Produkte dienen, behalten wir uns vor. Irrtümer vorbehalten.

