



The Modular-12 is a bi-amping multifunctional loudspeaker with high-quality 12"/1,4" neodymium drivers.

The Modular series is extremely flexible and is innovative with its combination of array point source systems and multifunctional usable individual speakers. As well as its use as a single full-range speaker, with high performance head with bass support and high-performance monitor on stage, the Modular series also designed to be used side by side in a horizontal array.

Any interference and associated sound interruptions between the sound sources are reduced to a minimum by using special housing geometry, suitable for the narrower beam angle of the rotatable horn. Each horn works only in its defined sound directivity. This technique allows the user an even greater range of applications with only one speaker model and is registered at the Patent Office.

"Easyfly", (also registered with the Patent Office), is a new 'one-click' mechanism which allows tool-free hanging and precise alignment in a few seconds. The mechanism is more elegant and smaller than a conventional rigging brace. The Modular series is equipped with inconspicuous mounting rails on two sides of the housing. This means the speaker can be hung or flown upright or horizontally, using the 'Easyfly' mechanism. At the back is a third mounting rail for the compulsory safety cable.

For accurate alignment on a stand or mounting pole, the Modular series has an internal, tilting pole socket enabling and an adjustment of +/- 18° tilt.

The Modular-12 uses a 12" chassis of the latest generation and has been specifically designed for a clean, detailed midrange with a high, undistorted sound pressure. A low moving mass (mms 46 g) in combination with the extremely powerful neodymium drive (B/L factor 17.6) enables a high efficiency and a performance that can otherwise only be achieved with larger loudspeakers. The chassis can be driven hard, and heat dissipates optimally keeping the power compression low. This is enabled by the large 4" voice coil and elaborate ventilation openings in the magnet system. The aluminum demodulation rings in the magnet system ensure low distortion.

For installation, the Modular-12 is supplied with the "Easyfly" mechanics, 12 swivel wall brackets or the internal M12 thread points steel inner angles.

<b>Frequency range 90°</b>	63 Hz - 18 kHz (- 10 dB) 90 Hz - 17 kHz (+/- 3 dB)
<b>Frequency range 60°</b>	63 Hz - 18 kHz (- 10 dB) 90 Hz - 17 kHz (+/- 3 dB)
<b>Coverage range</b>	90° x 60° or 60° x 40° exchanging, arrayable and rotatable horn
<b>Power handling</b>	LF: 450 W AES / 900 W program / 1.800 W peak HF: 110 W AES / 220 W program / 440 W peak
<b>Sound pressure</b>	127 dB SPL AES / 130 dB SPL program / 133 dB SPL peak
<b>Components</b>	LF: 1 x 12" Neodym woofer with 3" voice coil, 8 Ω HF: 1 x 1,4" Neodym driver with 3" voice coil, 16 Ω
<b>Connectors</b>	2 x Neutrik NL4 Speakon, configuration: 1+/- HF, 2+/- LF, passive 1+/-
<b>Mounting</b>	2 x Easyfly mechanism for vertical and horizontal Mounting 1 x back-facing Flying Track for safety cable 12 x M10 rigging points with 5 mm steel interior angles 2 x M6 point on the back side for adjustable wall holder 1 x tilting pole socket +/- 18°, tilt for a stand or mounting pole
<b>Dimensions/Weight</b>	615 (h) x 380 (w) x 310 mm (d) / 23,6 kg

