

Axios One is a hybrid horn loaded two way passive (bi-amp) point source element.

Combining two different loading techniques, we managed to achieve better low end extension while still maintaining very high sensitivity.

The system features two 10 inch low frequency drivers with 2.5 inch voice coils that are both front horn loaded and reflex tuned. The multi-cell horn provides seamless inter-element coupling within the box it self and with the other boxes when cluster stacked.

HF is covered by two 1.75 inch voice coil 1 inch throat HF driver. The polyester annular ring cone makes it able to handle the lower frequency spectrum with much less stress then the standard dome shaped metal diaphragm, but in the same time effortlessly provide the very high frequency sparkle making the HF very smooth sounding.



Technical specification (Preliminary)

Usable bandwidth (-3db):	96Hz-20KHz (Axios One DSP settings)
Nominal directivity (-6db):	Horizontal: 60×40 degree
Maximum system SPL:	143db based on 109db 1W/1m box sensitivity (Axios One DSP settings)
RMS handling capacity:	800W
Recommended amplifier:	800-1200W at 8 ohms per channel
Components:	LF: 2×10 inch drivers HF: 2×1 inch drivers
Crossover frequency:	900Hz
Nominal impedance:	8 ohm (16ohm optional)
Rigging:	M10 flying points Flying hardware accessories available
Physical:	WxHxD 520x800x600mm, Weight: 42kg
Material:	Baltic birch plywood
Connectors:	2x Neutrik NI4 Speakon
Finish:	Black textured water based coating

Notes:

MM-acoustics reserves the right to change specifications without prior notice.

Trade Descriptions Act:

Due to MM-acoustics policy of continuing improvement, we reserve the right to alter these specifications without prior notice. MM-acoustics is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every MM-acoustics product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.