



MARKAUDIO



## MAOP11 MS

The Markaudio MAOP 11 MS is a premium full-range loudspeaker driver engineered for DIY builders, audio designers, and high-fidelity enthusiasts who demand exceptional transparency, low distortion, and advanced material science. This model incorporates Markaudio's most sophisticated cone surface treatment and suspension architecture to deliver highly refined acoustic performance across a wide range of enclosure types. Its design philosophy prioritizes natural tonality, wide bandwidth, and coherent imaging—qualities that make it suitable for both critical listening and immersive music reproduction.

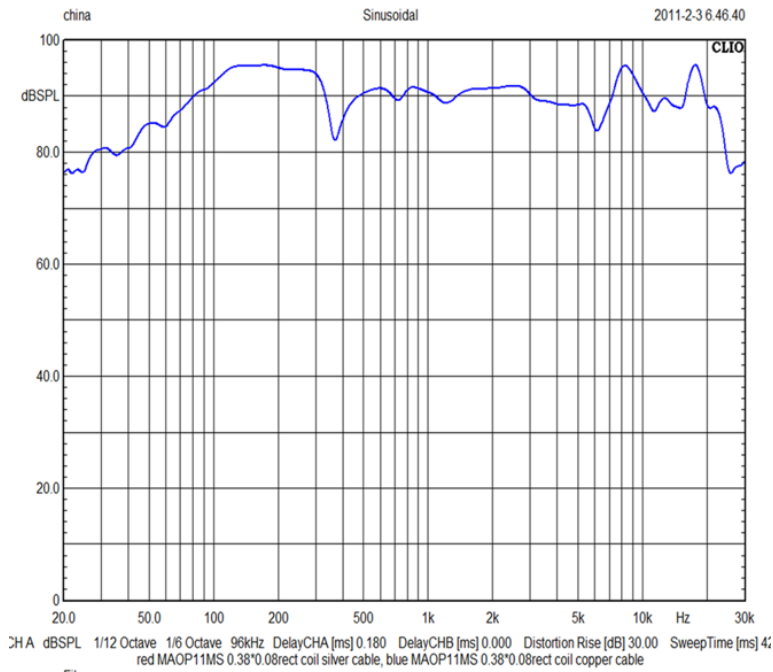
Its signature MAOP cone is created through a proprietary process. This treatment transforms the aluminum cone surface into a crystalline oxide layer that is structurally bonded to the substrate. Unlike conventional coatings that sit on top of the cone material, MAOP becomes part of the cone itself, increasing stiffness while maintaining low mass. The result is a diaphragm with exceptionally low resonance, reduced breakup behavior, and a uniquely neutral tonal character.

The Mono Suspension (MS) system is a single-surround suspension design that eliminates the traditional spider. By removing this mechanical element, the MS architecture reduces internal damping losses and mechanical noise, allowing the cone to move more freely and respond more accurately to the input signal. This contributes to faster transient response, improved micro-detail retrieval, and a cleaner, more immediate presentation across the frequency range.

A carefully engineered low-profile cone geometry ensures broad off-axis dispersion, making the MAOP 11 MS ideal for immersive listening environments and single-driver loudspeaker designs. This geometry helps maintain consistent tonal balance and imaging even when the listener is not positioned directly on-axis, supporting a more natural and room-filling soundstage.

To ensure optimal stereo performance, they are individually measured and supplied as a matched pair.

MAOP 11 MS represents the pinnacle of Markaudio's full-range driver engineering, combining advanced material processing, innovative suspension design, and meticulous quality control. It delivers exceptional rigidity and neutrality, enhances speed, clarity, and a spacious and coherent soundstage. MAOP 11 MS offers a refined, highly resolving listening experience that appeals to both technical designers and passionate music enthusiasts.



FS	43.7992 Hz
VAS	25.1186 L
RE	6.80 ohms
QMS	2.1613
QES	0.3482
QTS	0.3
SPL	89.8465
SD	0.0111 m <sup>2</sup>
CMS	1.4542 mm/N
MMS	9.0799 g
RMS	1.1562 WM
MMD	8.4190 g
B*L	6.9841 T.m
L1kHz	0.3021 mH
L10kHz	0.1414 mH

