

product specifications



M²₁₂

COMPACT & LIGHT WEIGHT WEDGE

LOW PROFILE

PRECISE PATTERN CONTROL: 65 x 65 DEGREE DISPERSION

SUPERIOR MID/HIGH RESPONSE WITH ADAMSON'S
ADVANCED CONE ARCHITECTURE™

ALL NEODYMIUM DRIVERS



The Adamson M212 monitor delivers all the characteristics of the Adamson M12 monitor but with the added benefit of low frequency extension, making the M212 the perfect solution where you require extended low end punch while maintaining the vocal clarity of a 12" wedge.

The M212 consists of two multi-layer Kevlar 12" cones that provide exceptional power handling with remarkably low distortion and phenomenal mid frequency response, ideal for the most demanding vocal performances. Adamson's Advanced Cone Architecture ensures that cone modes in the passband of the driver are kept to an absolute minimum.

The Kevlar cones also ensure that durability in wet weather making the M212 an ideal solution for outdoor events.

The precise 65°x65° Waveguide ensures the high frequency response is delivered with ultra low distortion and is located in the centre of the cabinet meaning any two cabinets can become a mirrored pair.

Product Code 900086



technical specifications



ADVANCED CONE ARCHITECTURE

Adamson has led the industry in Kevlar diaphragm technology, from the time of our first patent application in the field, more than two decades ago. The structural modulus of our Kevlar cones is higher than any other cone used in professional audio – They are simply stronger, lighter and more durable.

Our laboratories have recently revealed a new cone geometry that can only be implemented with materials boasting a much higher Young's modulus than standard paper cones. (Cone paper is simply not strong enough.)

This research has led to the introduction of Adamson's Advanced Cone Architecture. These geometries can be generalized as a much flatter cone with a concave curvature that is up-turned at the edge. The result is a significant increase in the usable linearized passband. (No cone break-up in the operating range)

These unique geometries provide the M series with:

- less flux modulation
- minimized non-radial modes in the passband
- increased surround life expectancy

Further, the reduction in depth of the body delivers several performance improvements:

- zero radial modes in the passband
- increased circular stability at the voice coil junction
- reduced cavity resonance
- increased internal box volume

What does this all mean for the user... An extremely high powered, low distortion wedge that will give you unrivalled vocal reproduction, sonic accuracy and control on stage.

PHYSICAL DATA

Dimensions & Weight (maximum footprint when used as a stage monitor)	
Height Front (cm)	15.8" (40.1)
Width (cm)	24.8" (63)
Depth (cm)	23" (58.4)
Weight (Kg)	72 lbs (32.65)
Box Shape	Irregular Pentagon
Box Finish	Textured Water Borne Acrylic
Hardware Finish	Polyester Sandtex™ Powder
Protective grille	14 Gauge cold rolled steel
Cabinet Construction	Rugged 5/8", 11 ply Baltic Birch
Horn Construction	Fiberglass Waveguide

TECHNICAL DATA

Frequency Response (+/-3dB)	
Full Range Preset	50Hz - 18kHz
Frequency Range	
with Xover Preset	55Hz - 18kHz
Maximum SPL (Continuous)	
with Xover Preset	TBA
with Full Range Preset	TBA
Maximum SPL (Peak)	
Xover Preset	TBA
Full Range Preset	TBA
Directivity	
Horizontal	65 degrees
Vertical	65 degrees
Sensitivity (2.83V @ 1m)	
LF	104.2dB
HF	108.1dB
LF Section (Impedance Ω)	2 x 12" Adamson ND-12 Kevlar Neodymium Mid-Bass driver (2 x 6 Ω = 3 Ω)
HF Section (Impedance Ω)	3" B&C DE 900 1.4" exit compression driver (8 Ω)
Power Handling (AES / Program / Peak)	
LF	1000 / 2000 / 24000
HF	110 / 220 / 440
Connection	4 x Neutrik Speakon™ NL4 connectors
Processor Presets	M Series Processor



Adamson Systems Engineering
1401 Scugog Line 6, Port Perry,
ON L9L 1B2, Canada
t: [905] 982 0520 f: [905] 982 0609
www.adamsonsystems.com
info@adamsonsystems.com



Specifications are subject to change without notice.