

product specifications



M15

multi-purpose enclosure

- SYMMETRICAL, LOW-PROFILE DESIGN
- PRECISE PATTERN CONTROL
- SUPERIOR MID/HIGH RESPONSE WITH ADAMSON'S ADVANCED CONE ARCHITECTURE
- LIGHTWEIGHT, ALL NEODYMIUM DRIVERS
- SELECTABLE BI-AMP OR PASSIVE OPERATION

The Adamson M15 high-performance monitor delivers everything you want in a multi-purpose enclosure.

Featuring a low-profile, symmetrical trapezoid cabinet design, with a 50-degree conical waveguide, the M15 is arrayable and mirror imageable for a multitude of applications.

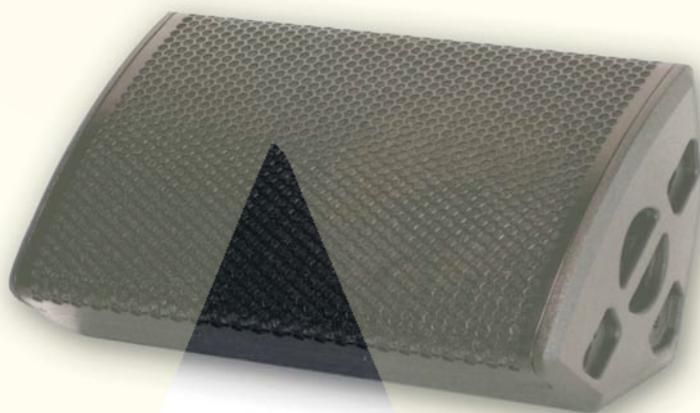
With outstanding directivity characteristics, it is perfect for use as a FOH system, a stage monitor, or to meet every type of fill requirement.

The M15 exhibits remarkably low distortion thanks to the superior qualities of its multilayer Kevlar cone driver. The long excursion, lightweight Neodymium ND-15 driver, supplies exceptional power handling with a rock solid low frequency response.

A specifically designed Kevlar dustcap, give the drivers voice coil a 3-point connection, that provides exceptional torsional stability. The 3-point connection and Adamson's Advanced Cone Architecture, make the ND15 the only 15 driver with zero axial modes in its entire passband, dramatically increasing the linearized mid-band response.

The Kevlar dustcap also enforces a fully waterproof driver design, making the M15 an ideal solution for outdoor events.

An internal crossover, allows bi-amped or passive operation.



technical specifications



M15

KEVLAR TECHNOLOGY

Adamson has led the industry in Kevlar diaphragm technology from the time of its first patent application in the field more than two decades ago. Today, Adamson produces Kevlar cone substrates with a structural modulus higher by far than any other manufacturer.

Finite Element Analysis has revealed a new cone geometry that can only be implemented with materials that exhibit the structural characteristics of Adamson Kevlar. (Cone paper is simply not strong enough.) This research has led to the introduction of Adamson 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, significantly increased edge stiffness and the only 15" driver with zero axial modes in its entire pass-band.

This increased cone rim stiffness gives you:

- decreased distortion
- increased surround life expectancy

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

- increased circular stability at the voice coil junction
- reduced cavity resonance
- increased internal box volume

APPLICATION NOTES

- Symmetrical enclosure design enables you to mirror image the M15 for monitoring applications. An internal rigging system comes standard. A universal adaptor, enabling the following rigging options, is available as an optional accessory:

- Flytrack
- Yoke-Mount Rigging- horizontal and vertical
- C-clamp
- Pole Mount
- Array Frame

PRODUCT DATA

Dimensions & Weight	
Height (cm)	18.375 (46.7)
Width (cm)	28.5 (72.4)
Depth (cm)	12.125 (25.4)
Weight (kg)	56 lbs. (25.4kg)
Shape	Symmetrical trapezoid
Finish	Black Acrylic Bake Finish
Rigging	Multiple Built-in fly points
Protective Grill	14 gauge cold rolled steel
Cabinet Construction	5/8 Baltic birch
Horn Configuration	Fiberglass Acoustic Waveguide
System Type	Active/Passive
Connection	Neutrik Speakon NL4 (x4)

TECHNICAL DATA

Frequency Response +/- 3dB	60 Hz - 18kHz
Maximum SPL (continuous)	
Passive with Monitor preset	129.5 dB
Active with Monitor preset	131.5 dB
Active with FOH preset	131.3 dB
Directivity H x V	50° x 50°
System Type	Active / Passive
Full Range Sensitivity (2.83V @ 1m)	109.4 dB / 60Hz - 18kHz
LF Section	ND-15 15" Kevlar Neodymium 500W (2000W peak)
Power Handling AES (50Hz-800Hz)	
Nominal Impedance	8 Ohms
Sensitivity (2.83 @ 1m)	102.7dB / 60Hz - 800Hz
HF Section	1.5" Compression Driver
Power Handling AES	140W
Nominal Impedance	8 Ohms
Sensitivity (2.83 @ 1m)	111.2dB / 800Hz - 18kHz



Specifications Are Subject To Change Without Notice



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