



MR 900 Series



The harder you push, the more it gives.



Absorptive glass wool lining to naturalize internal standing-waves.

Oriented Strand Board (OSB) hardwood enclosure material assembled with high temperature adhesives and clamped in a 10 ton press (patent pending).

Double laquer dipped curvilinear cone minimizes cone break-up modes for lower distortion.

Precision crossover network for seamless transition between system components.

High Grade Valox™ interlocking corner protectors and internal rubber impact edge protection.

Integral 35mm standmount for use with the optional JBL model MT4612A tripod stand.

SHG™ magnet design for a symmetrical magnetic field, resulting in lower distortion.

Pure titanium diaphragm compression driver with patented diamond pattern surround for clean, crisp high frequency reproduction.

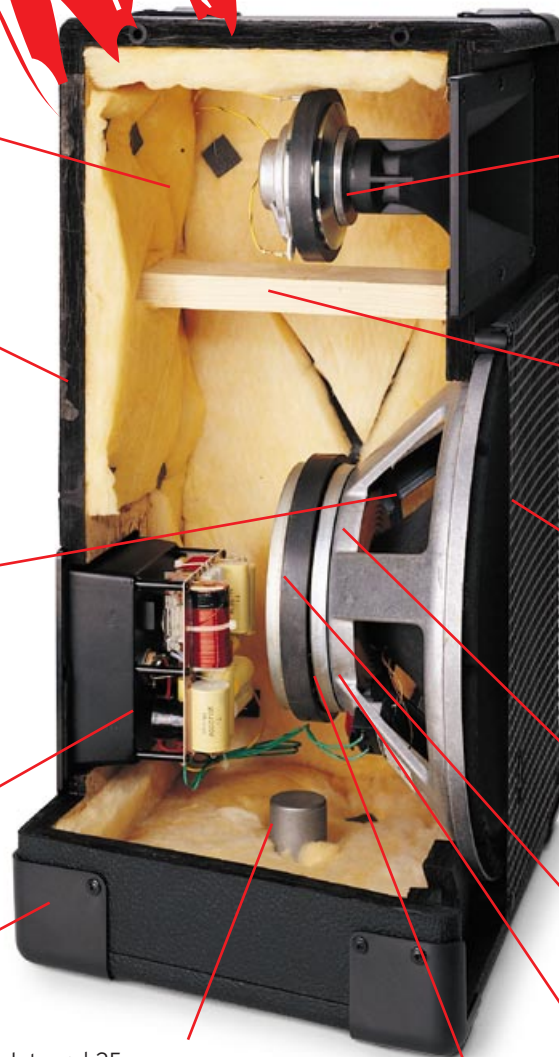
Hardwood bracing to eliminate enclosure resonances.

18 gauge painted steel grille for maximum protection of low frequency transducer.

Newly designed high strength diecast aluminum frames for high reliability under heavy road use.

16 lb magnet structure for maximum efficiency and heat dissipation.

Thermoset Composite™ voice coil assembly for high structural integrity and reliability.



Used by more professional musicians around the world, the JBL MR Series loudspeakers have evolved as the industry has evolved. Incorporating the most advanced technologies into our systems, we offer you the assurance that each speaker is constructed with the best combination of internal components available. Guided by years of experience and comments from the field, we've worked hard to give you a speaker that not only performs to JBL's standard but to the increasingly discerning ear of your audience.

offers worry-free reliability.

A 1 millimeter thick pure titanium diaphragm adds crispness and clarity to your sound as the thin metal is ultra-responsive to quick transients. To hold the diaphragm securely in place and offer greater stability at high temperatures, the MR Series is constructed with a metal back cover. Usually found in more expensive pro component drivers, the MR Series also utilizes a sophisticated annular slit phasing plug.

SonicGuard™ Circuitry lets you turn your performance up a notch. Or ten.

With the MR Series loudspeakers, loud is the operative word. And with SonicGuard™ Circuitry, you can push the level with little fear of blowing a speaker. Offering dual protection, SonicGuard™ circuitry monitors sustained average long-term power levels against thermal stress and instantaneous peaks against mechanical stress. And unlike other protection circuitry, SonicGuard™ is inaudible. An indicator light on the input terminal cup illuminates when SonicGuard™ is actively compressing the audio signal. This allows you to monitor your performance without interrupting it. What's more, because musical transients contribute to the character of music, SonicGuard™ circuitry only activates on the peaks that threaten the high-frequency driver while letting through non-damaging peaks unaltered. The result is clear, crisp, loud sound.



With a 100 x 80 dispersion pattern, JBL's Flat-Front Bi-Radial® horn reproduces high frequency signals over a wide coverage area. An important feature when a minimal number of speakers are available to cover a large listening area. The horn also provides close alignment of the acoustic centers of both the compression driver and low frequency transducer. The result is superior system clarity and articulation, particularly in the speech range.

SHG™ cast frame woofer.

The low frequency transducers found in the MR Series are designed exclusively for the line.

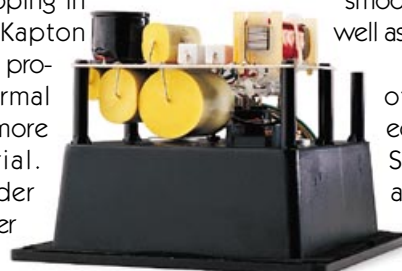
To ensure maximum efficiency and heat dissipation for a high acoustic output, we've used an impressive 16 lb magnet assembly. For solid, clean bass output, harmonic distortion elements are suppressed and controlled through the application of Selective Harmonic Geometry (SHG™) technology in the pole piece design. To significantly increase power handling, a Thermoset Composite™ voice coil employing a fiberglass former and ultra-high temperature adhesives was developed. And for maximum travel and linearity of the cone, MR Series features lacquer dipped curvilinear cones for superior strength and rigidity.



HF Compression Driver built to take a beating without a peep.

With highly automated construction and advanced features, the JBL 2418H compression driver performs well beyond the industry standard. In fact, all MR models are required by JBL to handle their rated power for 300 hours without so much as a buzz. The industry only requires 2 to 8 hours. Advanced engineering contributes to the MR's flawless performance.

JBL utilizes a coil curing technology that creates an indestructible bond between the coil and the Kapton coil former, eliminating the threat of rubs or buzzes developing in the field. Plus, using Kapton material for the coil former provides over twice the thermal transfer capabilities of the more commonly utilized material. Maintaining its shape even under extreme heat, the Kapton Coil former



Re-engineered for increased performance.

All MR Series crossover networks are engineered to provide smooth transitions between the system transducers. With steeper sloped filters, the frequency bands of the drivers roll off quickly to prevent interference between the two drivers. The result is smoother sound in the crossover region as well as better off-axis sound.

For convenience and versatility of hook-up, the MR Series is equipped with both a Neutrik Speakon® input connector and two 1/4" input jacks.

What's more, the

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Take your music to a totally different level.

crossover network allows you to "loop through" to additional cabinets without needing to run additional "home run" cables to the amplifier.

Built to withstand years on the road, the crossover network is mounted on a deep recessed terminal cup. So if the speaker is accidentally pushed up against a wall or over on its back, the connectors are protected.

Built for the road.

The MR Series enclosures are fabricated of Oriented Strand Board (OSB) with features such as hardwood stiffeners, fiberglass acoustic lining, heavy-duty component mounting hardware, high-grade Valox™ corner protectors and comfort-fit handles.

The exterior of the enclosures is finished in a rugged pebble-finish Tolex®. The speaker components are protected by an 18-gauge perforated steel grille. And for use with our M4612BK tripod, a 35mm standmount receptacle is standard.

With the exception of the MR902 and MR905, the MR Series cabinets are designed in a trapezoidal shape to allow two or more speakers to be splayed for wider horizontal coverage. The corner protectors are designed with interlocking feet so that those models of the same width and depth can be safely stacked.

From the 2-way stage monitor to 3-way full range systems to the 18" subwoofer, the MR Series is built to produce a powerful, clear, JBL sound.

One listen and you'll hear the difference. The difference that years of experience and technological advancements can make. The difference that can take your music to a whole new level.

MR926

The MR926 is a horn-loaded 3-way loudspeaker with a 15" LF driver and pure titanium compression driver on a 100° x 80° Flat-Front Bi-Radial® horn. With its larger size and directional wings, it delivers sound with extra punch while directing more of the low frequency sound to your audience.



MR918

An 18" low frequency transducer anchors this powerful bass system. The volume and tuning technology within the enclosures are designed to optimize low-end response for sound reinforcement subwoofer applications or as the driving bass element in a DJ playback system. The extended high frequency response also make it ideal as a full-range bass instrument speaker system.





MR905

This low profile, compact two-way system combines a 15" low frequency transducer with a pure titanium diaphragm compression driver mounted to a Flat-Front Bi-Radial® horn. Like the MR902, the MR905 also gives you the choice of 30° or 60° angles for increased versatility.

MR902

Designed to provide either 30° or 60° playback angles, the compact two-way system features a 12" low frequency transducer and a pure titanium diaphragm compression driver on a Flat-Front Bi-Radial® horn.



MR922

As the most compact system in the MR Series, the MR922's small size and big sound make it roadworthy and perfect for speech and vocal reinforcement applications. Mated to a subwoofer/bass system, it offers higher level music playback. The standmountable MR922 features a 12" low frequency transducer matched with a pure titanium compression driver on a 100° x 80° Flat-Front Bi-Radial® horn.

MR935

For warm, realistic sound, the MR935 combines a 15" low frequency transducer, 8" cone midrange, and a pure titanium compression driver on a Flat-Front Bi-Radial® horn. The MR935 is extremely versatile. It works well as a sound reinforcement system, as a side-or front-fill monitor, on-stage drum system or as a full-range DJ music playback system.

MR938

The MR938 integrates a 18" low frequency transducer, 10" cone midrange, and a pure titanium compression driver on a Flat-Front Bi-Radial® horn. A larger version of the MR935, it features very warm mid-band reproduction. Used as a sound reinforcement system, the MR938 is also the perfect on-stage drum system or full-range DJ music playback system. Match with MR918 subwoofer for even greater bass output.

MR925

As a stage speaker or a pole mounted speaker, the MR925 is a truly great general purpose sound reinforcement system for speech or vocals, full-range music playback, or reproduction of amplified musical instruments. It's built with a 15" low frequency transducer and a pure titanium compression driver on a 100° x 80° Flat-Front Bi-Radial® horn. The LF driver produces strong bass output while the compression driver/horn smoothly disperses mid-and high-frequencies over an optimum field.



SPECIFICATIONS

	MR902	MR905	MR918	MR922
Frequency Range (-10dB):	50 Hz - 17 kHz	55 Hz - 17 kHz	35 Hz - 4.5 kHz	60 Hz - 17 kHz
Power Capacity: (Continuous Pink Noise EIA RS426A for 8 Hours) (Peak Pink Noise)	250 Watts 1000 Watts	250 Watts 1000 Watts	300 Watts 1200 Watts	250 Watts 1000 Watts
Nominal Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Sensitivity: 1W, 1m	100 dB	101 dB	100 dB	100 dB
Nominal Dispersion	100°H x 80°V	100°H x 80°V	N/A	100°H x 80°V
Crossover Network: (Crossover Frequency) (LF Low-Pass Slope) (HF High-Pass Slope):	2kHz 12dB/oct 18 dB/oct	1.5kHz 12dB/oct 18 dB/oct	N/A	2kHz 12dB/oct 18 dB/oct
LF Driver:	300mm (12 in)	380mm (15 in)	460mm (18 in)	300mm (12 in)
MF Driver:	N/A	N/A	N/A	N/A
HF Driver:	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn	N/A	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn
Enclosure Material:	OSB	OSB	OSB	OSB
Dimensions:	590 x 432 x 403 mm 23¼ x 17 x 16 in	505 x 667 x 432 mm 20 x 26¼ x 17 in	1035 x 714 x 457 mm 40¾ x 28¼ x 18 in	590 x 432 x 279 mm 23¼ x 17 x 11 in
Net Weight:	24.3 kg (54 lbs)	28.0 kg (62 lbs)	41.6 kg (92 lbs)	22.1 kg (49 lbs)
Shipping Weight:	26.6 kg (59 lbs)	33.4 kg (74 lbs)	44.4 kg (98 lbs)	23.9 kg (53 lbs)

	MR925	MR926	MR935	MR938
Frequency Range (-10dB):	60 Hz - 17 kHz	38 Hz - 17 kHz	38 Hz - 18 kHz	38 Hz - 18 kHz
Power Capacity: (Continuous Pink Noise) EIA RS426A for 8 Hours) (Peak Pink Noise)	250 Watts 1000 Watts	250 Watts 1000 Watts	250 Watts 1000 Watts	250 Watts 1000 Watts
Nominal Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Sensitivity 1W, 1m:	101 dB	102 dB	100 dB	100 dB
Nominal Dispersion	100°H x 80°V	100°H x 80°V	100°H x 80°V	100°H x 80°V
Crossover Network: (Crossover Frequency) (LF Low-Pass Slope) (HF High-Pass Slope):	1.5 kHz 12dB/oct 18dB/oct	1.5 kHz 12dB/oct 18dB/oct	600 Hz, 2.2 kHz 12, 18dB/oct 6, 18dB/oct	600 Hz, 2 kHz 12, 12dB/oct 12, 18dB/oct
LF Driver:	380 mm (15 in)	380 mm (15 in)	380 mm (15 in)	460 mm (18 in)
MF Driver:	N/A	N/A	200 mm (8 in)	250 mm (10 in)
HF Driver:	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn	Pure Titanium Diaphragm Compression Driver/Flat-Front Bi-Radial® Horn
Enclosure Material:	OSB	OSB	OSB	OSB
Dimensions:	667 x 495 x 349 mm 26¼ x 19½ x 13¾ in	1035 x 714 x 457 mm 40¾ x 28¼ x 18 in	714 x 714 x 457 mm 28¼ x 28¼ x 18 in	845 x 714 x 457 mm 33¼ x 28¼ x 18 in
Net Weight:	25.7 kg (57 lbs)	50.2 kg (110 lbs)	40.7 kg (90 lbs)	44.8 kg (99 lbs)
Shipping Weight:	27.6 kg (61 lbs)	51.6 kg (114 lbs)	44.8 kg (99 lbs)	47.6 kg (105 lbs)



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of sound reinforcement products from
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