

MISSION M-SERIES



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Mission's M-series comprises two complete ranges of loudspeakers designed exclusively for the music enthusiast. The beauty and purity of each performance is conveyed through a starkly realistic, chillingly accurate and spectacularly powerful presentation of emotion.

Although remarkable value for money, Mission M-series speakers are constructed using state-of-the-art materials and advanced acoustic design. Mission's 'Diadrive' bass units and 'Viotex' fabric dome treble units, used throughout the M-series, are capable of exceptional performance and integrate seamlessly for an astonishingly realistic vocal and mid-range performance.

“state-of-the-art materials and advanced acoustic design”





M3i

M3i offers startling performance through highly advanced drive units and an innovative cabinet design. Suitable for stereo and home cinema applications, every speaker in the range is fully magnetically shielded.

Viotex fabric dome tweeters, used throughout the range, are capable of remarkable detail and resolution. Voices are natural and unstrained. Mission's DiaDrive bass units provide remarkable bass performance and a harmonious natural mid-range. A new crossover design derived from the highly acclaimed Elegante series has been applied to the M3i series. In addition, crossovers are now wired to the drivers using Mission's special high purity oxygen free cables. The result is that all the speakers in the M3i series, whether used in a stereo or home theatre system, exhibit a lively and musical performance with enhanced rhythm and timing.

“startling performance through highly advanced drive units”

Technologies



Please refer to symbol reference, pages 36-38

	m30i	m31i	m32i	m33i	m34i	m35i	m3c1i	m3c2i	m3dsi	m3as
Enclosure Type	2-way reflex	★★★★★ 2-way reflex	2-way reflex	★★★★★ 2-way reflex	★★★★ 2-way reflex	3-way reflex	★★★★★ 2-way reflex	2-way reflex	2-way reflex	reflex
Frequency Response ±3dB	68 Hz - 20 kHz	65 Hz - 20 kHz	52 Hz - 20 kHz	44 Hz - 20 kHz	44 Hz - 20 kHz	40 Hz - 20 kHz	75 Hz - 20 kHz	56Hz - 20kHz	75 Hz - 20 kHz	30Hz - 165 kHz
Sensitivity SPL/m @ 2.83V	86 dB	88 dB	90 dB	90 dB	92 dB	92 dB	89 dB	91 dB	89 dB	-
Volume	3.4 litres	7 litres	12.4 litres	12.4 litres	35.7 litres	47.7 litres	5.2 litres	9.7 litres	4.5 litres	35 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible
Recommended Amplifier	15 - 75 W	25 - 75 W	25 - 100 W	25 - 100 W	25 - 150 W	25 - 150 W	25 - 150 W	25 - 125 W	25 - 100 W	Integrated 150 Wamp
Dimensions (H x W x D): mm	220 x 145 x 190	255 x 170 x 280	320 x 200 x 325	850 x 200 x 325	950 x 200 x 330	1030 x 260 x 375	135 x 500 x 130	165 x 430 x 230	230 x 360 x 110	410 x 280 x 500
Cabinet Finishes	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black
Wood Effect	Beech	Beech	Beech	Beech	Beech	Beech	Satin Silver	Beech		Beech
	Cherry	Cherry	Cherry	Cherry	Cherry	Cherry		Cherry		Cherry
	Satin Silver	Satin Silver	Satin Silver	Satin Silver	Satin Silver	Satin Silver		Satin silver	Satin Silver	Satin silver
Package Quantity	Pair	Pair	Pair	Single	Single	Single	Single	Single	Pair	Single
Included Accessories							Wall fixing		Wall fixing	
Optional Accessories	Wall Bracket	Stancette	Stancette							



	mh3c	mh3s	mh3sys	Cinema 30
Enclosure Type	2-way reflex	sealed bipole	comprising	comprising
Frequency Response ±3dB	80 Hz - 20 kHz	110 Hz - 20 kHz	1 x mh3 centre	4 x m30i
Sensitivity SPL/M @ 2.83V	88 dB	87 dB	2 x mh3 surround	1 x m3c1i
Volume	3.2 litres	2.3litres		1 x m3as
Impedance	8 Ohms compatible	8 Ohms compatible		
Recommended Amplifier	25 - 100W	25 - 100 W		
Dimensions (H x W x D): mm	120 x 330 x 130	130 x 300 x 125		
Cabinet Finishes	Graphite Black	Graphite Black	Graphite Black	Graphite Black
Wood Effect	Beech	Beech	Beech	Beech
	Cherry	Cherry	Cherry	Cherry
	Satin Silver	Satin Silver	Satin Silver	Satin Silver
Package Quantity	Pair	Pair	3 pcs set	set
Included Accessories				
Optional Accessories	Wall fixing	Wall fixing		

M5i

For twenty five years Mission loudspeakers have been renowned world-wide for their combination of advanced technology and fine craftsmanship. Mission's M5i series reflects that pedigree and commitment to excellence in every aspect of its build, quality and performance. The best result is a new generation of loudspeakers that combine gracious styling with beautifully finished real wood veneers and entrancing sound quality.

Every speaker in the M5i series has been fine-tuned by our engineers to meet the challenging demands of the modern range of AV, DVD and music formats. Whether your interest is in stereo music reproduction or multi-channel movie surround sound, any combination of M5i series speakers will delight your aural senses. Their special combination of wide bandwidth and stunning dynamic range bring both music sources and movie soundtracks to life, allowing you to wallow in the passion, drama and excitement recorded on CD and DVD.

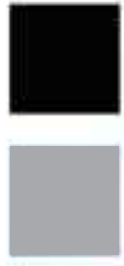
Unrestrained sound quality and fine furniture looks, these loudspeakers will gratify the senses and are a natural choice for connoisseurs of music and movies.



Technologies



Please refer to symbol reference, pages 36-38



	m50i	m51i	m52i	m53i	m5ci	m5dsi	m5asi
Enclosure Type	2-way reflex	2-way reflex	2-way reflex	2-way reflex	2-way reflex	2-way reflex	reflex
Frequency Response \pm 3dB	64 Hz - 20 kHz	58 Hz - 20 kHz	52 Hz - 20 kHz	44 Hz - 20 kHz	65 Hz - 20 kHz	68 Hz - 20 kHz	28 Hz - 110Hz
Sensitivity SPL/M @ 2.83V	86 dB	87 dB	88 dB	89 dB	87 dB	87 dB	n/a
Volume	4.5 litres	10.3 litres	16 litres	30 litres	8.3 litres	4 litres	52 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible
Recommended Amplifier	25 - 100W	25 - 100W	25 - 100W	25 - 150W	25 - 100W	25 - 100W	n/a
Dimensions(H x W x D): mm	220 x 140 x 225	315 x 205 x 345	893 x 205 x 345	973 x 205 x 360	165 x 480 x 265	266 x 335 x 120	580 x 350 x 520
Package Quantity	Pair	Pair	Single	Single	Single	Pair	Single
Cabinet Finishes	Black ash Silver	Black ash Silver	Black ash Silver	Black ash Silver	Black ash Silver	Black ash Silver	Black ash Silver
Included Accessories	Wall Bracket (Pr)		Stance (Pr)	Stance (Pr)		Wall Fixing	Remote Controller



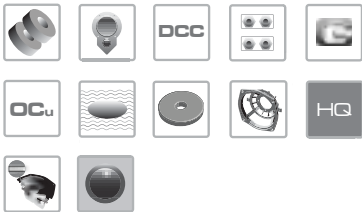
M6i

M6i offers the ultimate in high power performance. Highly efficient drive units mean more output per Watt of input power, ideally suited to the demands of modern music and home cinema.

An innovative new cabinet construction is used (TFCT) to construct a 38mm thick front baffle, coupled to a curved cabinet construction. This creates an inert structure with excellent acoustic properties – lowering cabinet response and reducing resonance.

The 'Paramid' bass driver has a 32mm voice coil mounted on a high temperature former suspended in a massive, shielded, magnet system. It has a fast, dynamic response – damped to produce a smooth and natural mid-range performance – yet capable of explosive bass delivery.

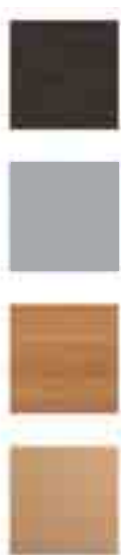
Technologies



Please refer to symbol reference, pages 36-38



	m60i	m62i	m64i	m66i	m6ci	m6dsi	m6as
Enclosure Type	2-way reflex	2-way reflex	2-way reflex	2-way reflex	2-way reflex	2-way reflex	sealed box
Frequency Response ± 3dB	60 Hz - 20 kHz	58 Hz - 20 kHz	52 Hz - 20 kHz	44 Hz - 20 kHz	65 Hz - 20 kHz	75 Hz - 20 kHz	28 Hz - 110Hz
Sensitivity SPL/m @ 2.83V	86 dB	87 dB	88 dB	89 dB	87 dB	89 dB	250mV for 200W
Volume	6.5 litres	10.3 litres	16 litres	30 litres	8.7 litres	4.5 litres	30 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	-
Recommended Amplifier	25 - 100W	25 - 100W	25 - 100W	25 - 150W	25 - 100W	25 - 100W	Integrated 350W amp
Dimensions(H x W x D): mm	305 x 180 x 240	319 x 205 x 330	893 x 205 x 330	968 x 205 x 330	178 x 480 x 251	230 x 360 x 110	500 x 320 x 430
Package Quantity	Pair	Pair	Single	Single	Single	Pair	Single
Cabinet Finishes	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Black	Graphite Black
Wood Effect	Beech	Beech	Beech	Beech	Beech	Silver	Beech
	Cherry	Cherry	Cherry	Cherry	Cherry	-	Cherry
	Satin Silver	Satin Silver	Satin Silver	Satin Silver	Satin Silver	-	Satin Silver
Included Accessories						Wall Fixing	Remote Controller
Optional Accessories	Wall Bracket (Pr)						
	Stance (Pr)	Stance (Pr)					



	mh6s	mh6	mh6
Enclosure Type	comprising	2-way reflex	sealed bi-pole
Frequency Response ± 3dB	1 x mh6 centre	80 Hz - 20kHz	110 Hz - 20 kHz
Sensitivity SPL/m @ 2.83V	2 x mh6 surround	88 dB	87dB
Volume	-	3.2 litres	2.3 litres
Impedance	-	8 Ohms compatible	8 Ohms compatible
Recommended Amplifier	-	25 - 100W	25 - 100W
Dimensions(H x W x D): mm	-	130 x 330 x 130	130 x 330 x 130
Package Quantity	3 pcs	Single	Pair
Wood Effect	Graphite Black	Graphite Black	Graphite Black
	Beech	Beech	Beech
	Cherry	Cherry	
	Satin Silver	Satin Silver	
Included Accessories		Wall Fixing	



TECHNOLOGY

TFCT (Transverse folded cabinet technology)



For our loudspeakers we use two u-shaped sections bonded into each other to form a box, creating a structure that is much stronger and more rigid than alternative methods.

The U-coupled front and rear baffle greatly reduces cabinet vibration and hence colouration.

Paramid



Mission's 'Paramid' driver is formed using a sandwich structure. Aramid polymer fibres with incredible tensile strength are sandwiched between two stiffer pulp layers. This creates a cone which is very light and stiff, yet has superb internal damping. The internal damping drastically reduces cone-induced distortion by absorbing the transverse waves that travel through a cone following an impulse.

Viotex



Viotex is an extremely fine weave material which is both incredibly light and, when woven into a matrix and impregnated, is also very strong. Capable of moving at incredibly high speeds with minimal inertia, Viotex not only improves the upper frequency response band limit and improves the detail resolution, it is incredibly natural and relaxed in performance.

IDG (Inverted Driver Geometry)



Mission has pioneered the use of inverted driver geometry. By placing the treble unit below the bass or mid-

range driver, the length of path is equalised so the waves coincide at the listener's head-height. This principle is known as 'time-alignment'.

Granitech cabinet construction



Formulated to provide the best combination of rigidity, damping and acoustic isolation, 'Granitech' is a stone-like material with a granulated structure that breaks up sound-wave energy and provides an ultra-quiet structure.

Audiophile grade crossover



Mission use advanced computer modelling to produce an optimum response and minimum phase shift through each crossover point. This is then refined through critical listening tests and panel evaluation to produce an ideal performance.

Our audiophile crossovers include components to reduce the effects of driver impedance peaks which would otherwise cause unwanted phase shifts through the crossover region.

Crossover components are chosen for their specific audio qualities, mounted on custom designed PCBs for minimum interaction and mounted using soft resin to dampen any mechanical interference.

Viscous laminated treble unit



The viscous laminated high frequency dome treble unit offers exceptionally smooth high-frequency performance with a superior off-axis response. The ferro-fluid cooled voice-coil design is optimised to provide minimal compression at high volume levels with an ultra-fast transient response.

Magnetically shielded



All our magnetically shielded loudspeakers are ideal for use in close proximity to all television sets or wherever magnetic interference is an issue.

Direct Coupled Crossover



The objective of any internal loudspeaker design is to transmit as much of the music as possible to the drivers with the fewest possible components in the way, degrading the signal. By mounting the crossover section directly to the rear loudspeaker terminals, the signal path is shortened and number of internal connections reduced.

Kapton voice-coil former



Kapton is a polyimide film with both excellent electrical insulation and thermal dissipation properties. Both qualities are essential for developing a loudspeaker that can play with minimal distortion at louder volume settings.

Gold-plated connections



Gold has both exceptional electrical conductivity and is also relatively malleable. When used for electrical connections, it creates a larger contact area and a lower resistance – ideal for preserving the optimum signal quality.

Bi-wire terminals



Bi-wire terminals are used to allow the bass and high frequency sections of a loudspeaker to be wired independently. All bi-wireable loudspeakers are supplied with 'bridging' clips, so that a single wire can be used if desired.

Although the maximum benefit of bi-wiring is achieved through using two sets of amplifiers with different channels driving the bass and treble frequencies, there are still significant acoustic advantages to running two sets of cable (or a specialist bi-wire cable) from a single set of amplifier outputs. When bi-amping (using two stereo amplifiers) with bi-wire speakers, it is recommended for each amplifier to be driving a bass and treble unit of one speaker, rather than having one amplifier driving both treble units and the other both bass units.

High grade OFC (Oxygen free copper)



Copper is an excellent electrical conductor; however, oxygen impurities within the crystalline structure can adversely affect that conductivity. By refining the copper to a much higher grade of purity, electrical conductivity can be improved and hence signal quality.

Ferrofluid cooling



Treble voice-coils are fine wires and tend to get very hot when used for a long time, or at high volumes. This can cause distortion and compression if the excess heat cannot be removed. Ferrofluids are used in treble drive units to sink heat between the voice-coil and the magnet assembly. They also passively damp the movement of the cone. They reside in what would normally be the air gap around the voice-coil, held in place by the speaker's magnet.

Neodymium



Neodymium magnets (NdFeB) are one of a class known as 'rare earth' magnets. They are also sometimes known as 'super magnets' because of their unbelievable strength and small size. They are ideally suited to audiophile loudspeaker applications because of their strength, low weight, small size and their thermal stability.

Die-cast Chassis



Die-cast chassis are a huge improvement over plastic or even pressed steel units. Because of the manufacturing technique used, they can have a more complex three dimensional shape hence are much stronger. Because of their higher strength, they can be manufactured with an open frame design. This allows air moving backward from the cone to flow and be absorbed within the cabinet rather than being reflected back through the cone. There is an obvious improvement to mid-range clarity and timing.



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