MISSION E-SERIES

MISSION

e SERIES

E SERIES

Mission's E-series consists of three unique loudspeaker systems, carefully sculptured and acoustically engineered by Mission's highly acclaimed R&D team. Featuring striking good looks and a performance to match, each system has been designed to perform as well in multi-channel as it does in two-channel stereo. Mission's constant pursuit of excellence has resulted in close attention being made not only to the acoustic performance, but also to the styling of the product. The cabinet design is directly derived from the research into Mission's flagship model, Pilastro. A curved profile to each of the cabinets optimises dispersion and greatly reduces resonance, with each range using a multi-layer laminate for an impressively robust construction.

"striking good looks and a performance to match"

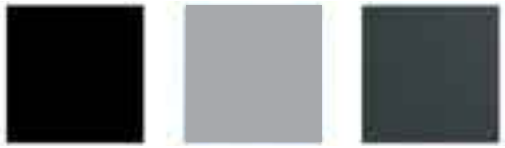
E8

The top of the E-series range, the E8 or Elegante system offers an astonishing performance in both home cinema and stereo configurations. Mission's fastidious attention to detail has been applied to the build and finish as well as to the award-winning acoustics of this series. All models are offered in a choice of high quality piano lacquered paint finishes.

All systems are available as stereo pairs, or in a 5.1 home theatre set-up with the option to upgrade to 6.1. Comprising of six elegantly profiled loudspeakers and powerful subwoofer, each Elegante system will effortlessly deliver all the thrills, excitement and emotion accompanying the latest DVD or DVD-A releases.

Technologies

Please refer to symbol reference, pages 10-11



Hi Gloss Black | Hi Gloss Silver | Anthracite

e8 elegante

	E80	E81	E82	E83	E8C	E8AS1	E8AS2
Enclosure Type	2-way sealed box	2-way sealed box	3-way reflex loaded	2-way ABR loaded	2-way sealed box	ABR loaded	sealed box
Frequency Response ±3dB	80 Hz - 30 kHz	80 Hz - 30 kHz	48 Hz - 30 kHz	44 Hz - 30 kHz	80 Hz - 30 kHz	36 Hz - 150 Hz	28 Hz - 280 Hz
Sensitivity SPL/m @ 2.83V	85 dB	90 dB	90 dB	90 dB	90 dB	-	-
Volume	3.75 litres	5.75 litres	23 litres	40 litres	6.5 litres	30 litres	46 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	-	-
Recommended Amplifier	50 - 150 W	50 - 150 W	50 - 150 W	50 - 200 W	50 - 150 W	Integrated 350 W	Integrated 500 W
Dimensions (H x W x D) mm	284 x 160 x 250	403 x 160 x 250	956 x 300 x 334	1108 x 330 x 360	172 x 443 x 250	416 x 365 x 400	430 x 400 x 560
High Gloss Cabinet Finishes	Anthracite	Anthracite	Anthracite	Anthracite	Anthracite	Anthracite	Anthracite
	Hi Gloss Silver	Hi Gloss Silver	Hi Gloss Silver	Hi Gloss Silver	Hi Gloss Silver	Hi Gloss Silver	Hi Gloss Silver
	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black
Included Accessories	Wall Bracket	Wall Bracket			Wall Bracket		
					Plinth		
Optional Accessories	E8 Stand (pr)	E8 Stand (pr)					

E5

Mission's new E5 series is a superlative stereo and home cinema loudspeaker system for the discerning listener. The E5 is designed along the E-series aesthetic and uses a complement of high quality drive units and crossover components, finished in a choice of real wood veneers, with a high quality satin lacquer finish.

The genetic lineage is self-evident, with our E5 range sharing many design features with the flagship Pilastro and Elegante series loudspeakers. Under the lustrous surface, audiophile tweaks such as an alloy drive unit chassis and high power magnet system work to great effect.

The reproduction of music from the E5 is remarkable. The perfectly integrated mid-range is fluid and lucid, with pin-sharp detail, and a bass dynamic that belies its slender profile.

Technologies

Please refer to symbol reference, pages 10-11

e5

	E50	E52	E54	E5C	E5DS	E5AS
Enclosure Type	2-way sealed box	2-way reflex	2-way ABR loaded floor stand	2-way sealed box	2-way reflex	sealed box
Frequency Response ± 3dB	75 Hz - 30 kHz	60 Hz - 30 kHz	45 Hz - 30 kHz	60 Hz - 30 kHz	75 Hz - 20 kHz	25 Hz -95kHz
Sensitivity SPL/m @ 2.83V	87 dB	87 dB	90 dB	91 dB	87 dB	113db av mx o/p@1M
Volume	2.5 litres	5.2 litres	19 litres	4.9 litres	4.5 litres	42 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	-
Recommended Amplifier	50 - 100W	50 - 100W	50 - 100W	50 - 100W	25 - 100W	Integrated 300W amplifier
Dimensions(H x W x D) mm	259 x 139 x 242	323 x 165 x 305	956 x 350 x 334	139 x 461 x 242	230 x 360 x 110	465 x 524 x 475
Package Quantity	Single	Single	Single	Single	Pair	Single
Gloss Cabinet Finishes	Hi Gloss Walnut	Hi Gloss Walnut	Hi Gloss Walnut	Hi Gloss Walnut	Hi Gloss Silver	Hi Gloss Silver
	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black	Hi Gloss Black
Real wood Veneer Finishes	Cherry	Cherry	Cherry	Cherry	-	Cherry
	Beech	Beech	Beech	Beech	-	Beech
	Rosewood	Rosewood	Rosewood	Rosewood	-	Rosewood
Included Accessories	-	-	-	Table Stand	Wall fixing	Remote Controller
Optional Accessories	E5 Floor Stand (Pr)	E5 Floor Stand (Pr)				
	Wall Bracket (Pr)					

Hi Gloss Black Hi Gloss Silver Hi Gloss Walnut Cherry Beech

E3

Fiercely independent, the E3 is a collision of traditional and contemporary design – a modern interpretation of the classic Mission aesthetic. Sensational in its poise and steadfast in its presentation it is, above all else, a genuine expression of a passion for performance.

A range of models has been developed including book-shelf, wall mount, floorstanding, centre channel, subwoofer and surround speakers. E3 is a complete solution for the stereo and the home cinema enthusiast alike. Moreover, it has been engineered to reproduce the very best from any music or surround sound source.

The cabinet construction is shared with the E5 to ensure a clean, superbly detailed dynamic sound with not only the lowest distortion in its class, but a wide dispersion for a flat in-room frequency response.

Technologies

Please refer to symbol reference, pages 10-11

Hi Gloss Black

Hi Gloss Silver

Hi Gloss Walnut

Cherry

Beech

e3

	e30	e32	e34	e3c	e3ds	e3asr	e3as
Enclosure Type	2-way sealed box	2-way reflex	2-way ABR loaded	2-way sealed box	2-way reflex	sealed box	Sealed box
Frequency Response ± 3dB	78 Hz - 30 kHz	62 Hz - 30 kHz	48 Hz - 30 kHz	65 Hz - 30 kHz	75 Hz - 20 kHz	32 Hz -130 Hz	32Hz - 200 Hz
Sensitivity SPL/m @ 2.83V	85 dB	86 dB	88 dB	90 dB	87 dB	250mV for 100W	250mV for 100W
Volume	2.5 litres	5.2 litres	18 litres	4.9 litres	4.5 litres	26 litres	26 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible		
Recommended Amplifier	50 - 100W	50 - 100W	50 - 100W	50 - 100W	25 - 100W	Integrated 300W amplifier	Integrated 150W amplifier
Dimensions(H x W x D) mm	259 x 139 x 242	323 x 165 x 305	956 x 350 x 334	139 x 461 x 242	230 x 360 x 110	425 x 385 x 435	425 x 385 x 415
Package Quantity	Pair	Pair	Single	Single	Pair	Single	Single
Wood Effect Finishes	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver Beech Walnut Cherry
Included Accessories				Table Stand	Wall Fixing	Remote Controller	Rear controls
Optional Accessories	E3 Stand (Pair) Wall Bracket (Pair)	E3 Stand (Pair)					

	eh3 centre	eh3 surround	eh3 system
Enclosure Type	2-way reflex	sealed bi-pole	comprising
Frequency Response ± 3dB	80 Hz - 30kHz	110 Hz - 20 kHz	1 x eh3 centre
Sensitivity SPL/m @ 2.83V	88 dB	87dB	2 x eh3 surround
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 300 x 140	
Package Quantity	Single	Pair	3 pcs Set
Wood Effect Finishes	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver Beech Walnut Cherry	Graphite Black Satin Silver Beech Walnut Cherry
Included Accessories		Wall Fixing	

TECHNOLOGY

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.

Symmetrical driver array

A symmetrical configuration of drivers is used to improve dispersion and to improve imaging. Placed equidistant above and below the high-frequency driver, mid-range and bass drivers create an even horizontal dispersion and a controlled dispersion on the vertical plane.

Having the treble unit centrally placed enhances the imaging by mimicking a point-source dispersion. Interference patterns when a stereo pair of speakers are used create an almost holographic sense of presence with the listener able to discern the exact location of instruments and voices within the sound stage.

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.

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.

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.

Heatsink cooled treble unit

Maintaining a low temperature in a treble unit is essential for a consistent performance, especially at high volume levels. Heat is

generated by current within the voice-coil and this needs to be controlled to avoid compression and even damage to the unit.
Mission's new heatsink coupled treble units conduct heat away from the treble unit very effectively, keeping control and maintaining a consistently high standard of dynamic performance.

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.

mission

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