



79SE

MISSION

79SE SERIES



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The Mission 79SE series revisions have brought a new level of musicality to this range. These SE (Sonically Enhanced) designs maintain the striking cosmetic form, while introducing a number of new acoustic improvements. A principal change is the addition of a new silk-dome tweeter mounted on a die-cast waveguide to improve dispersion and midrange integration with the bass-mid unit. This unit is mounted on an elastomer cushion to produce a smoother, cleaner and more detailed treble performance.

The 79SE series also utilizes Mission's newest 'perfect phase' crossover technology, engineered to provide seamless integration between the drive units. The audible result is a coherent performance over the whole speaker bandwidth together with a highly stable stereo soundstage that enhances the enjoyment of your listening experience. With years of audiophile expertise built-in, the SE's are able to once again bring back the iconic Mission sound - it is truly a great example of modern design married to a powerful sonic performance.

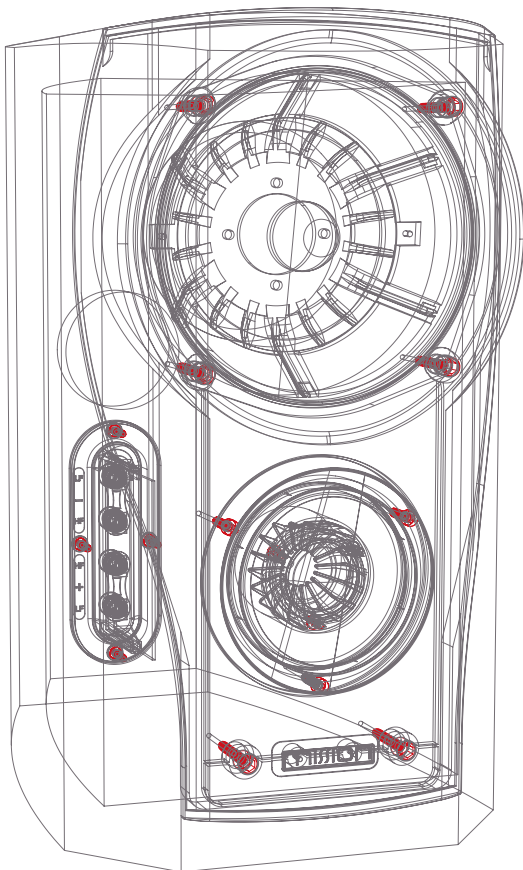


Construction

For every action there is an equal and opposite reaction and loudspeakers are no exception. The loudspeaker cabinet is a necessary evil. One which allows the forward sound wave to be transmitted whilst trapping the rearward sound-wave inside the cabinet, the aim being to damp and absorb the rear firing wave. Absorbing those sound-waves and controlling those cabinet resonances is often a problem-atic - and has for many years kept acousticians fully employed.

The 79SE series represents a significant step-forward in enclosure design. The multi-layer cabinet construction utilises 3 different densities of resonant absorbing particle composite. The layers are laminated with RF activated resin to provide further isolation of vibration and prevent layer interaction. Each layer and material type is tuned to damp different frequencies of cabinet resonance, combining to reduce lateral and longitudinal transmission of vibration significantly throughout the cabinet structure.

The effect? A completely rigid enclosure with drastically reduced colouration and resonance – much closer to the ideal enclosure.





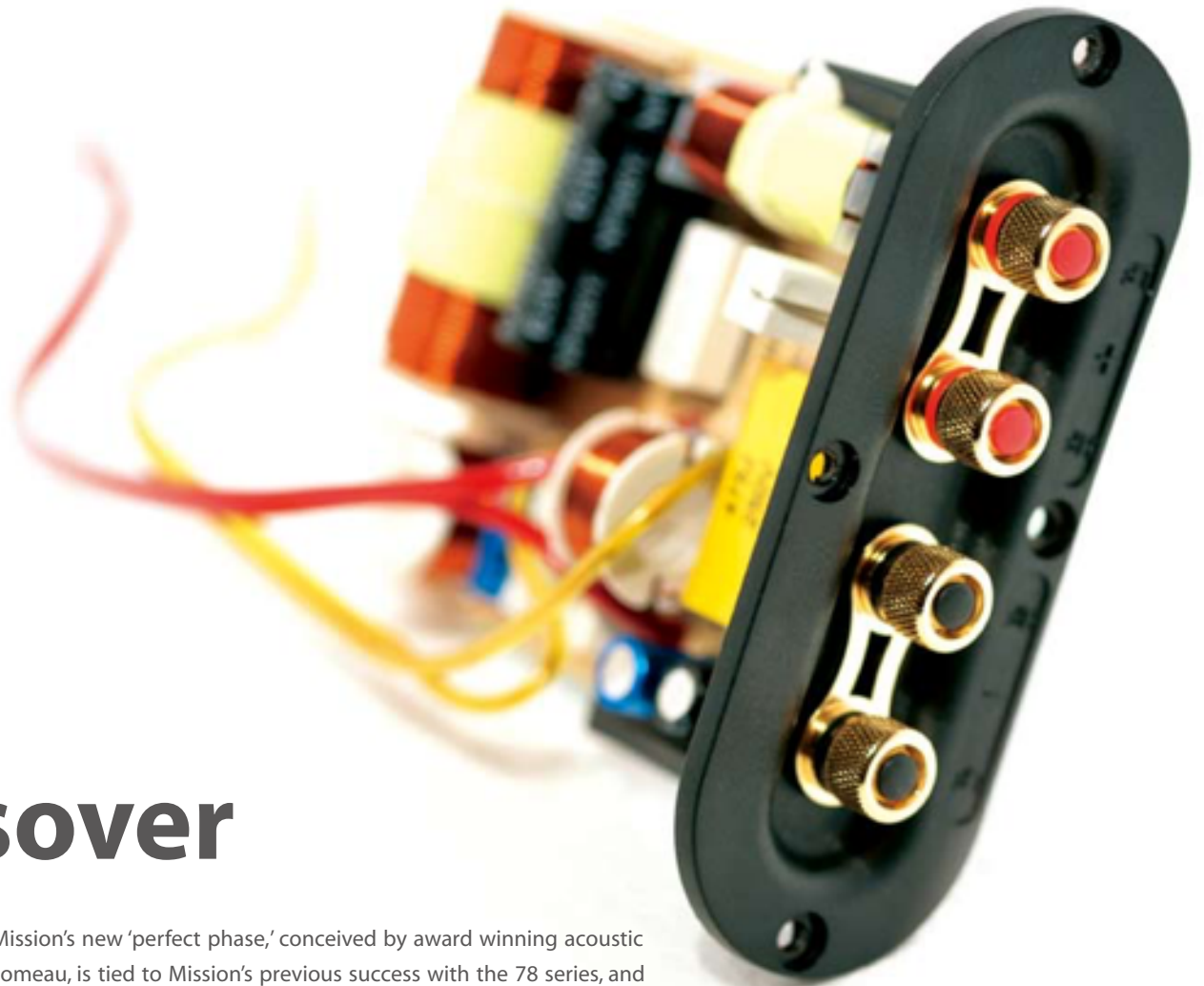


Crossover

The 'SE' crossover utilizes Mission's new 'perfect phase,' conceived by award winning acoustic designer, Peter Comeau. Comeau, is tied to Mission's previous success with the 78 series, and was Director of Acoustic Design at Mission in 1999. His time at Mission saw a string of success with awards including, What Hi-Fi Best Loudspeaker for the Mission 780, and an EISA Best Loudspeaker for the Mission 782.

Comeau has now returned to Mission and is offering his expertise to further improve the 79SE. 'Perfect phase' is a technique, which will provide seamless integration between drive units. The result is coherent performance over the bandwidth of the speaker, and a high, stable stereo soundstage. Comeau's impressive advancements will not only contribute heightened sound quality, but has triumphantly seen the return of Mission's trademark, iconic sound.

The Mission 79SE fuses sleek design with immaculate sound. With an improved tweeter, and new crossover technology, Peter Comeau has transformed an already favourable speaker to an incredible acoustic accomplishment.





Cone Dynamics

Mission has always pioneered the use of revolutionary materials in loudspeaker cone design. Our understanding of cone dynamics has led us on a quest for a material which exhibits not only incredible three-dimensional rigidity to aid linear pistonic motion, but one that is also highly internally damped to prevent longitudinal reflections. Above all else, the material must be very light and fast – carrying less inertia for a more accurate transient response.

Our latest cone material 'Parawave' is the result of many years research into the properties of aramid fibres and how they can best be used in loudspeaker cones. Aramids are man-made polymers with exceptional tensile strength – 5 times stronger than the equivalent weight of steel. They are used wherever strength and weight are an issue - however to be effective in a loudspeaker cone, they need to be formed into a three dimensional matrix, bonded with a compatible resin and cured extensively.

Through our aramid testing programme; researching the nature of different weaves, bonding resins, construction methods and types of fibre, we have now created a cone that exhibits near perfect linear pistonic motion over its entire frequency range, has unparalleled internal damping, yet retains all the speed and accuracy inherent in the material and with negligible artefacts. In effect – the ideal cone material.

WOOFER







CLASSIC



Innovative Tweeter

The new Mission 79SE series, presents a multitude of intricate improvements, which will please the discerned listener. These revisions are deeply concentrated on quality of sound, and have resulted in a speaker with superior, enhanced performance.

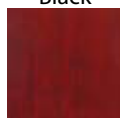
The 'SE' possesses a silk dome tweeter, reminiscent of the popular '78' series. The tweeter uses an elastomer mounting behind the waveguide, which serves as a necessary cushion. This achieves significant reduction of blurring to important treble detail. As a result the tweeter is protected from cabinet vibration and provides a clean, clear sound.

The 79SE also uses a die-cast waveguide, which acts as a mount for the tweeter. This feature improves dispersion and midrange integration with the bass-mid unit. Each alteration made on the 79SE's tweeter technology has contributed significant sonic enhancements, creating a smooth, accommodating performance.

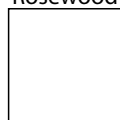
Specifications



Black



Rosewood



White



790 SE

792 SE

794 SE

796 SE

	790 SE	792 SE	794 SE	796 SE
Type	2-way reflex	2-way reflex	3-way reflex	3-way reflex
Frequency Response + 3dB	65 Hz - 20 kHz	58 Hz - 20 kHz	48 Hz - 20 kHz	38 Hz - 20 kHz
Sensitivity SPL/M @ 2.83V	87 dB	89 dB	89 dB	90 dB
Volume	7 litres	11 litres	19 litres	32 litres
Impedance	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible	8 Ohms compatible
Recommended Amplifier	50 - 150W	50 - 175W	50 - 200W	50 - 200W
Dimensions(H x W x D): mm	300 x 170 x 270	360 x 206 x 340	795 x 165 x 295	998 x 206 x 318
Package Quantity	Pair	Pair	Single	Single
High Gloss Cabinet Finishes	Black	Black	Black	Black
	Rosewood	Rosewood	Rosewood	Rosewood
	White	White	White	White

Included Accessories

Optional Accessories

Wall Bracket

(Pair)

79 Stand

(Pair)

79 Stand

(Pair)



79C SE

79ds

79as

79stand

2-way sealed

2-way sealed

Sealed box

For 790 & 792 loudspeakers

70 Hz -20 kHz

70 Hz - 20kHz

25 Hz - 110Hz

extruded aluminium

90 dB

87dB

250mV for 100W

steel plinths

7.2 litres

4.5 litres

42 litres

chrome feet

8 Ohms compatible

8 Ohms compatible

-

50 - 200W

25 - 100W

Integrated 300W amplifier

172 x 395 x 290

220 x 260 x 125

460 x 310 x 500

570 x (290 x 365) plinth

Single

Pair

Single

Single

Black

Black

Black

All Gloss Black

Rosewood

-

Rosewood

All Satin Silver

White

White

White

All Black with Rosewood insert

Table Stand

matching inserts of:

Beech , Cherry & Rosewood

Remote Controller

Reversible front pillar

Filters 6 x 10hz slopes

Hidden cable routing

volume

Real wood inserts for front pillars

phase

4Pre-set Memories

Cabinet Status Display



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