

 **MONITOR AUDIO**[®]
design for sound

SilverRX series







Introduction

This is Silver RX: Monitor Audio's stunning new mid-market speaker range. Classically configured and crafted using our finest proven technologies, RX offers you a brilliantly creative union of chic contemporary design and utterly realistic audio that will satisfy and endure.

Integrity

Resplendent in a choice of premium quality real wood veneers and high-gloss lacquer finishes, the ravishing new RX series relies on Monitor Audio's most prestigious science for its class-leading sound quality. Techniques and materials refined for our flagship Platinum and Gold Signature series speakers are deployed comprehensively throughout each of the seven RX designs, which combine in matching stereo and multi-channel systems to provide a dynamic audio accuracy as jaw-dropping as any you'd enjoy at more elevated price levels.

Few speaker brands can match the impeccable standards of build quality that we apply to even our budget designs, and so the sumptuous engineering on offer from the Silver RX range is beyond equal in its price class. Each design's optimally damped and rigid acoustic architecture is wrapped in a shimmering skin of lustrous real wood or mirror-like high gloss, so that systems of two, five, seven or more Silver RX speakers will blend or contrast beautifully with any interior according to taste. For music or home theatre applications, our Silver RX speakers have the perfect mix of virtues for 21st Century HD entertainment.





Innovation



Silver RX Drivers

By refining our computer-aided Finite Element Analysis (FEA) we have developed new ways to shape our core driver material C-CAM® in the cause of even greater fidelity. C-CAM (Ceramic-Coated Aluminium/Magnesium) is very light and very strong and so is ideal for our driver cones, but as we've discovered, it can be made to perform ever more efficiently and effectively.

About RX Tweeters

The new C-CAM® gold dome tweeter now extends high frequency performance to beyond 35 kHz, enabling the full potential of current and future wide-band HD audio and cinema formats to be realised. A newly damped rear chamber provides greater control for a smoother more accurate response.

About RX Bass and Mid-Range Drivers

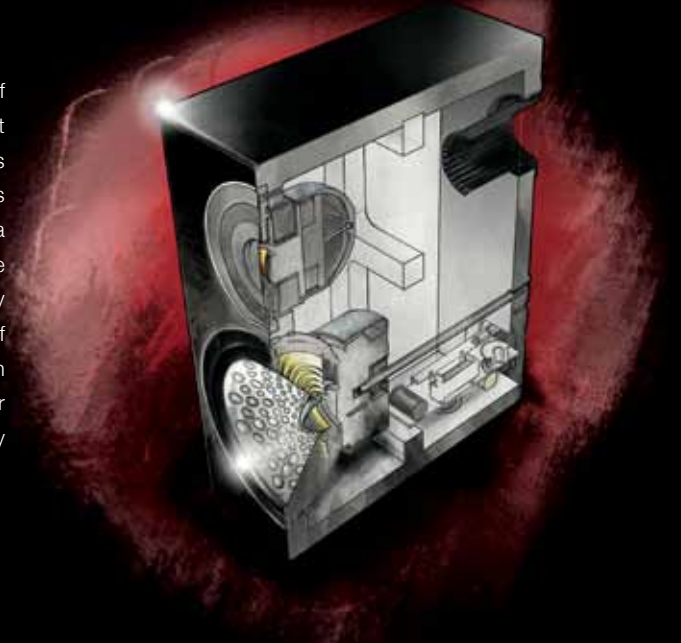
Advanced FEA simulations have also helped the process of fine tuning the RST® (Rigid Surface Technology) C-CAM® mid-range/bass drivers, originally created for our celebrated Gold Reference speakers and now incorporated by the Silver RX range. Their super-stiff dimpled profiles are now more resistant to break-up under high drive conditions and so produce a wider range of purer frequencies. Each driver's rigid, non magnetic cast polymer chassis is vented to improve airflow cooling and to equalise pressure around the driver motor, resulting in the ability to play louder and cleaner.





Bolt-through Driver Design

Single bolt-through driver fixings have the dual effect of improving cabinet rigidity while further reducing vibration at the driver/cabinet interface. By this innovative method, drivers are mounted on a single tensioned through-bolt, which is secured to the back of the cabinet. The bolt not only acts as a rigid cabinet brace to reduce box colouration, it removes the need for conventional driver fixings as well, effectively decoupling the driver and baffle to eliminate another source of unwanted resonance. The result is a more fluid communication of mid-range frequencies, and with the absence of front driver fixings, a cleaner more refined overall appearance— especially in tandem with RX's 'invisible' magnetic grille location.



HiVe®II (High Velocity) Reflex Port

Developed for the flagship Gold Signature range, the HiVe®II reflex port is shaped to have the same effect on airflow as a gun-barrel on a bullet. Rifled grooves inside the port help to accelerate the flow and reduce turbulence, so that air moves in and out of the port more efficiently for a faster more dynamic bass response.



RX1

The diminutive RX1 is configured to offer an impressively natural, rhythmic sound in a beautifully compact and practical form. Standing at just 312mm tall, the RX1 will deliver faithful crystal-clear definition and power from just about anywhere. Perfect for music and film sound where space is at a premium, the RX1 provides elite Monitor Audio quality to refresh and enliven your system.



RX1AV-12

The ideal RX1 multi-channel system utilises RX1s and the RX centre for the front channels, with the discreet RX-FX speakers in the surround role; all underpinned by the awesome RXW-12 subwoofer.



RX2

The larger RX2 is designed as an audiophile compact 2-way speaker, having the efficiency and bandwidth of a much larger speaker, while being easier to position around the home. It offers extended high frequencies to resolve hidden detail, coupled with immense dynamic headroom and bass depth, so that all the delicacy and drama of your favourite music and film sound is revealed.





RX6

The elegant floor-standing RX6 design places the new wider bandwidth RX tweeter in concert with freshly designed 6" C-CAM® bass and bass/mid drivers to form a balanced two-and-a-half way system. Separate chambers are used within the enclosure to provide differential tuning for the drivers, generating higher efficiency and exceptional low frequency extension. For such a slim, easy-to-position speaker, the innovative RX6 produces an extraordinarily wide bandwidth, enhanced with a natural tonality that breathes life into every format – even HD audio. An adjustable base plinth is supplied for added stability.



RX6AV-12

The ideal RX6 multi-channel system utilises RX6s and the RX centre for the front channels, with the discreet RX-FX speakers in the surround role; all underpinned by the awesome RXW-12 subwoofer.

RX8

A feat of ergonomic brilliance by our design team has engineered the greater poise and power of a large three-way loudspeaker into the svelte RX8. Its ultra-slim front profile conceals a deeper cabinet, which provides the volume needed for seismic levels of bass from dual 6" bass drivers. A single 6" bass/mid driver delivers naturally vibrant midrange sound, while a newly developed C-CAM® gold dome tweeter smoothly extends high frequency performance to a point way beyond the upper limit of the audible spectrum. Sheer control, open dynamics and wide bandwidth illuminate the sound of the RX8: a very big speaker disguised as a very slender one.







RX-FX

It's widely understood that the sound of surround TVs cannot compete with the excitement of a properly designed and equalised home theatre system. But great sound comes at the expense of living space... until now. The wall-hugging RX-FX surround speaker reconciles the problem by providing a convincing, enveloping timbre-consistent surround sound that

places you on the edge of your seat and at the heart of the action. Discreet enough to be flush-mounted on side or rear walls, the RX-FX design will blend with the system and your décor so completely you'll wonder why you ever thought of compromise. It's also immensely flexible sonically, offering direct or diffuse sound effects at the flick of a switch.





RXcentre

The role of a centre-channel speaker is to reproduce up to 60% of a movie soundtrack, including the critical dialogue content. Yet by the sound of some rival systems, surprisingly little time is devoted to its design. The exceptional RX centre proves the old adage that you get out what you put in. It's been very finely calibrated to match the dynamics and timbre of other RX speakers for a wonderfully open, detailed and seamless front sound stage in any RX system configuration. We've tuned the RX centre's multi-driver components to deliver the optimal combination of sonic virtue and size, so that the velvet subtlety of whispers and the explosive force of action scenes are conveyed with equal priority by a compact design that's perfect for the role.





RXW-12

Multi-channel film sound mix relies on the profound structural underlay of a properly designed sub-bass engine. Not only can it dredge frighteningly deep and dramatic frequencies from the mix, especially from HD audio soundtracks, it also adds a holistic solidity

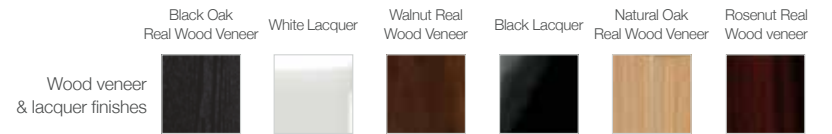
to the sound, helping you to suspend your disbelief: a vital component in the enjoyment of surround sound A/V systems. The surprisingly compact RXW-12 active subwoofer is equipped by our engineers to turn your RX system (and others) truly seismic.



Using the latest switch mode power conversion techniques, the RXW-12's 500 watt Class D amplifier provides enough power to control with brutal efficiency a newly designed 12" C-CAM driver, equipped with a double stack (two magnet) motor system and a massive 3" voice coil.

The RXW-12's rigid, sealed 25mm (1") MDF enclosure is front-loaded firstly because it promotes the fastest, deepest bass down to 20Hz and secondly for ease of installation. Wherever you place it, top mounted controls allow for the fine adjustment of level, turnover and other parameters at the sub. For added convenience, a 12V trigger provides power syncing with your AV receiver.

Silver RX Series Specifications:



*On all RX models invisible magnetic grille fixing provides clean visual styling when used with the grille off, excluding the RX-FX and the RXW-12



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	RX1	RX2	RX6	RX8	RXcentre	RX-FX		RXW-12
Frequency Response	45Hz - 35kHz	40Hz - 35kHz	38Hz - 35kHz	32Hz - 35kHz	45Hz - 35kHz	60Hz - 35kHz	Low Frequency Limit	27Hz (EQ1) 21Hz (EQ2)
Sensitivity (1W@1m)	89dB	90dB	90dB	90dB	90dB	89dB	Upper Frequency Limit	40 - 120 Hz Variable
Nominal Impedance	6 ohms	6 ohms	6 ohms	4 ohms	6 ohms	6 ohms	Low Pass Filter	Active 4th order 24dB/ Octave (2 stage filter)
Power Handling Single (RMS)	80W	100W	125W	175W	125W	80W	Power Output	500W RMS (1000W Peak)
Recommended Amp. Requirements	25 - 80W	25 - 100W	40-125W	50-175W	40-125W	10 - 80W	Cabinet Specification	25mm construction and internal bracing. Sealed Cabinet
Maximum SPL (dBA)	111.8	113.8	114.8	116.2	114.8	111.8	Amplifier Classification	Class - D amplifier
Bass Alignment	Rear ported - bass reflex. HiVe®II port system	Rear ported - bass reflex. HiVe®II port system	Dual chamber, bass reflex with differential tuning. Twin HiVe®II port system	Bass reflex. Twin HiVe®II port system	Sealed enclosure	Sealed enclosure	Driver Complement	1 x 12" C-CAM® sub woofer driver featuring triple suspension and long throw 3" voice coil
Tweeter Crossover Frequency	3.0kHz	2.0kHz	2.7kHz	2.2kHz	3.0kHz	2.1kHz	Input Impedance	20kohms
Bass Crossover Frequency	N/A	N/A	700Hz	300Hz	500Hz	N/A	Mains Input Voltage	110 - 120 Vac / 220 - 240 Vac 50/60Hz
Drive Unit Complement	1 x 150mm (6") RST® cone mid-bass driver 1 x 25mm (1") C-CAM® gold dome tweeter	1 x 200mm (8") RST® cone mid-bass driver 1 x 25mm (1") C-CAM® gold dome tweeter	1 x 150mm (6") RST® cone mid-bass driver 1 x 150mm (6") RST® cone bass driver 1 x 25mm (1") C-CAM® gold dome tweeter	1 x 150mm (6") RST® cone mid-bass driver 2 x 150mm (6") RST® cone bass driver 1 x 25mm (1") C-CAM® gold dome tweeter	1 x 160mm (6") RST® cone mid-bass driver 1 x 160mm (6") RST® cone bass driver 1 x 25mm (1") C-CAM® gold dome tweeter	1 x 160mm (6") RST® cone mid-bass driver 2 x 25mm (1") C-CAM® gold dome tweeter	External Dimensions (H x W x D) mm (Inches) Incl amp and driver	340 x 340 x 410 (13 3/8 x 13 3/8 x 16 1/8)
External Dimensions (H x W x D) mm (Inches)	312 x 185 x 240 (12 5/16 x 7 5/16 x 9 7/16)	375 x 230 x 300 (14 3/4 x 9 1/16 x 11 13/16)	850 x 185 x 250 (33 7/16 x 7 5/16 x 9 13/16)	900 x 185 x 330 (35 7/16 x 7 5/16 x 13)	185 x 500 x 200 (7 5/16 x 19 11/16 x 7 7/8)	300 x 120 x 250 (11 13/16 x 4 3/4 x 9 13/16)	External Dimensions mm (Inches) Incl feet & grille	375mm (15") high with feet 430mm (16 15/16") deep inc amp and grille
External Dimensions (H x W x D) mm (Inches) Incl plinth & feet	N/A	N/A	905 x 275 x 310 (35 5/8 x 10 13/16 x 12 3/16)	960 x 275 x 388 (37 13/16 x 10 13/16 x 15 1/4)	N/A	N/A	Weight (Each) kg (lbs)	22.56 (49.63)
Weight (each) kg (lbs)	6.8 (15)	9.5 (20.88)	16.4 (36.13)	21.76 (47.88)	9.62 (21.13)	4.69 (10.38)		

*Electronics, AV rack and stands kindly supplied by - Arcam: www.arcam.co.uk and Custom Design: www.customdesign.co.uk



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