

 **MONITOR AUDIO**
design for sound

Gold^{GX} series





Gold GX

You're in the presence of luxury: a precision engineered speaker range with beguiling looks and a sound that will turn any space into a theatre of dreams. GX is a beautifully conceived congress of materials, technology, innovation and performance that captures the essence of our world-beating Platinum flagship designs. Expressing the truest spirit of Monitor Audio, GX systems will deliver exclusive performance at an inclusive level, releasing waves of naturally dynamic and detailed music and film audio to lovers of sound and design.

The fabulous GX series quickens the pace of technological and aesthetic advance in speaker engineering, combining genuinely esoteric performance with luxury materials and construction to achieve a level of quality by which all others will be judged. Utilising the most precise CAD tools available and many, many hours of listening, we've optimised the operation of every driver, crossover and cabinet to deliver pure sound, as free as possible from mechanical distortions and cabinet resonances; as natural as the air that carries it. By selecting from seven lustrous GX models you'll have the opportunity to experience the wonder of pristine, wideband sound, tailored perfectly to your room. In matching systems for music and home theatre, GX gives you the look, the quality and the performance of a timeless reference design.

GX Technology

Drivers

Monitor Audio invests much of its design energy in the refinement of proprietary drive units. As the engines of sound they transform myriad electrical impulses into the wide, vividly accurate audio canvas that distinguishes Monitor Audio from its rivals. The critical GX elements are based on the ground-breaking Platinum drivers, developed from decades of expertise and meticulous fine-tuning. The amazing GX ribbon is derived from the globally acclaimed Platinum C-CAM® ribbon transducer. Its fabulously efficient wideband design operates at the velocity of the fastest natural sounds, reproducing the entire harmonic spectrum of every note at frequencies way beyond the audible threshold. The range of this extraordinary driver is such that you will experience the authentic tonal character of the highest sounds, as well as the inherent nature of the mid-band vocal region to which the ear is most sensitively tuned.



Having perfected the reproduction of high frequencies and their harmonics, our engineers were presented with the challenge of integrating the mid and bass fundamentals with the same degree of accuracy. We turned to critical computer-driven FEA (Finite Element Analysis) tools to optimise the behaviour of the GX bass and mid-driver motors, selecting large voice-coils, powerful magnet structures and rigid, vented die-cast driver chassis to power their ultra-sophisticated ribbed RST® C-CAM cones with the precision of a finely-engineered piston. Monitor Audio's definitive C-CAM alloy blends the exceptional properties of aluminium and magnesium to form an ultra light but ultra-strong radiating surface, responsive to the smallest impulse and resistant to the bending forces of the most explosive transients. The C-CAM driver diaphragms are strengthened further with RST ribbing to create the greatest rigidity for the lowest mass. This means that in action, GX drivers will deliver a vivid cadence of uniformly clear audio from the lowest note to the crossover with the GX ribbon.



Crossovers

These critical components direct the incoming frequencies to their respective drivers, so they're the subject of sustained engineering TLC. Our engineers used decades of experience, including their ears, to hand pick and trial each component, listening to hundreds of permutations before finding perfection. For optimum isolation, individual driver crossovers are mounted on a dedicated panel accessible from the underside of each speaker. The adjacent GX speaker terminals are gold plated to maintain signal integrity and contact reliability from the source to the crossovers. All GX speakers are wired internally with specialised Pureflow® Silver cable.

Enclosure

For the drivers to achieve their full potential they need to operate in an environment as carefully specified and designed as the drivers themselves. Each GX enclosure is hand-built from multiple laminations of MDF. Its rigid and curved nature, aided by radial internal braces and bolt-through driver fixings, inhibits unwanted vibrations and internal standing waves to the extent that all you hear is the pure sound from the drivers. For added stability the die-cast alloy base plinths of the floor-standing models and the dedicated GX speaker stand provide a solid foundation for superior acoustics, enhanced by hand-milled spikes. Non-slip rubber pads are supplied to protect wood floors.



Design aesthetics

We build speakers to inspire pride of ownership, not just for the sound they reproduce, but also for the way they look and feel. Working within the parameters set by our acoustic engineers, Monitor Audio's in-house industrial design team was charged with finding a blend of materials and geometry that would complement the exceptional GX sound. The shimmering finishes that envelop the sensationally slender GX design are a testament to the team's success. A mirror-like lustre from every surface reflects the love and care invested in its evolution: beneath the piano sheen are eleven layers of lacquer, built-up individually to achieve the luxurious depth of finish. Once assembled the real-wood cabinets are hand-veneered to ensure absolute precision in the joinery and in the grain matching between each pair. The GX colour palette, which includes black and white piano lacquer, Bubinga, Dark Walnut and Natural Oak finishes, ensures that there's a home for GX in even the most sophisticated environments. And to accentuate the clean GX styling all seven models feature the latest 'floating' magnetic grilles.

The systems

Acoustically matched for the perfect sound in music and home theatre configurations and stylishly co-ordinated in matching piano lacquer or wood veneer, the GX series speakers are designed to fill even the largest spaces with layers of silky detail bursting with life-like dynamics. The range comprises a brace of two-way stand-mounting monitors – the GX50 and GX100; a matching number of 3-way floor-standing models – the GX200 and GX300; an ultra-versatile surround speaker – the GX-FX, featuring no fewer than six C-CAM drivers; the awesomely specified 15", 650W GXW-15 subwoofer; and for the first time at this Monitor Audio level, two specialised centre models, the GXC 150 and GXC 350, sized for acoustic consistency in smaller or larger home theatres. Whichever GX system you choose for the next stage of your relationship with sound, we promise you excellence in every department and an intensity that lingers long after the last encore.



Features



New C-CAM® ribbon transducer design providing extension to a class-leading 60kHz

Dedicated mid-range and tweeter enclosure

Pureflow® Silver internal cabling

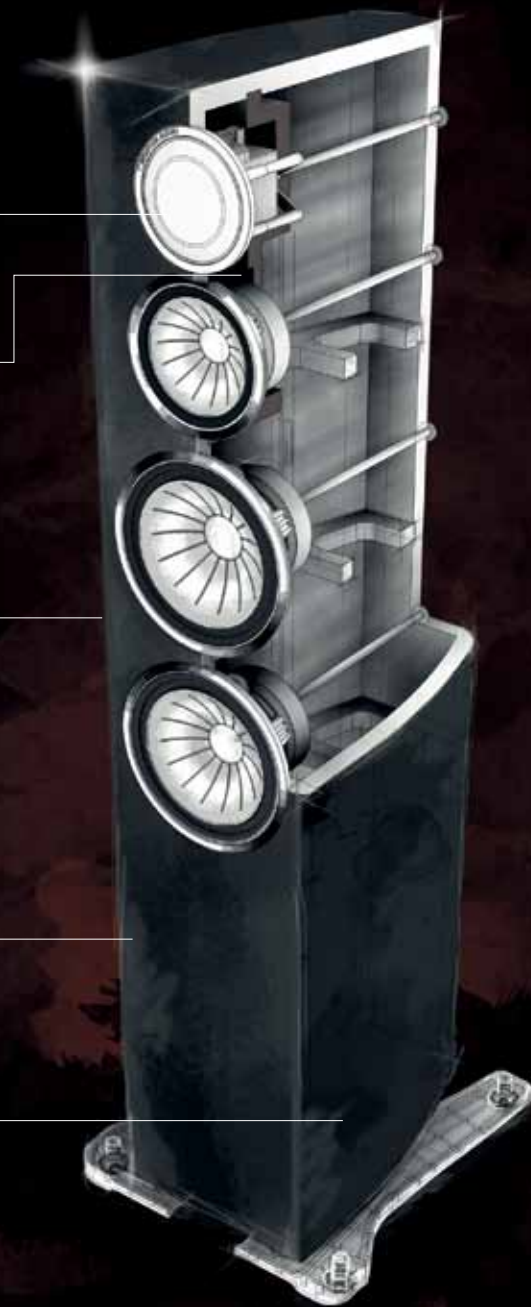
Selected premium quality wood veneers or high gloss piano finishes

Metal mesh grille design to give low diffraction, resulting in improved off-axis dispersion.

Invisible magnetic grille fixing provides clean visual styling when used with the grille off

Curved cabinet profile for increased rigidity and reduced internal standing waves

Large radius cabinet edges provide low diffraction and smoother overall frequency response



Single bolt-through driver fixings for improved bracing, rigidity and driver/baffle de-coupling

Rigid 20mm laminated MDF construction throughout, employing radial and cross-bracing techniques for high rigidity, resulting in low cabinet colouration

Die-cast alloy driver chassis design

New 6.5" bass driver with RST® profile C-CAM® cone

HiVe® port technology for better transient response and tighter bass

High quality crossovers with premium grade polypropylene film capacitors used throughout

Die-cast alloy terminal panel arrangement with high quality bi-wire terminals and high end spade type link cables



Gold^{GX} 50

The sculpted low-diffraction cabinet of the diminutive GX50 houses a single 5.5" RST bass driver and C-CAM ribbon transducer. The bass driver exhibits the low frequency extension and power handling of a much larger driver while the excellent C-CAM ribbon soars beyond conventional domed tweeters to a stratospheric 60kHz. Consequently the GX50 combines the frequency range of the finest studio monitors with dynamics that defy its modest dimensions. Optional, dedicated floor stands are available for the GX50 which can be filled to provide the ultimate foundation for the best possible sound quality.



Gold^{GX} 100

The GX100 is a larger 2-way stand mount speaker featuring a 6.5" RST bass driver and C-CAM ribbon transducer. Operating with the performance of a typical 8" driver, our proprietary 6.5" design provides higher overall efficiency with dynamic headroom to deliver impressive bass extension and control. The GX100's uncomplicated 2-way configuration renders complex material with tonal accuracy and perfect timing. It may occupy the space of a stand-mount speaker, but the GX100 sounds like a reference floor-stander. Optional, dedicated floor stands are available.





Gold^{GX} 200

The first of the GX floor-standers is also the most compact. Amazing scale and impressive dynamic control are available from this slender three-way design, comprising the GX ribbon transducer and twin 5.5" bass drivers below a 4" mid-range driver housed in a dedicated enclosure. With high overall efficiency, wide bandwidth and vanishingly low distortion, the GX200's Platinum DNA is waiting to be experienced in a performance comparable with the very best high-end speaker systems.



Gold^{GX} 300

Standing at over a metre tall the GX300 is a majestic three-way floor-standing loudspeaker comprising twin 6.5" bass drivers, a single 4" mid-range driver and a high frequency ribbon transducer. With such an impressive complement of drivers, the GX300 has the power delivery and scale required to fill the largest rooms with jaw-dropping dynamics as well as the finest musical detail. Extending from below 30Hz to over 60kHz, its frequency range is among the widest available from any speaker, irrespective of price. Sublime fidelity, peerless build quality and exquisite design distinguish the GX300 as a future classic.





Gold GXC 150

The ultra-compact GXC 150 centre speaker is small enough to fit into most AV racks and is designed to match the smaller GX speakers in a more bijou home theatre set up. However, because it shares its tonal characteristics with all GX models, its capabilities are also compatible with any GX system design. The GXC 150's lustrous sealed cabinet is home to twin 5.5" drivers and the GX ribbon in a two and half way configuration, providing superior dispersion across a range from 55Hz to 60kHz. The specialised high frequency ribbon offers exceptional detail and vocal intelligibility, enhancing communication with the listener.



Gold GXC 350

The GXC 350 centre speaker is a no-compromise centre channel solution for serious home theatre installations. Its three-way, four driver configuration mirrors that of the GX300, although the bass drivers are tuned to work in the GXC 350's sealed cabinet. Unsurprisingly the GXC 350 is the perfect match for its floor-standing counterpart, producing frequencies from 40Hz to beyond 60kHz. A neutral tonal balance and distortion-free sound give the GXC 350 the ability to project crystal-clear dialogue and mid-range detail at any volume. A dedicated floor stand is available to ensure the most secure footing and ideal vertical orientation for the GXC350.



GoldGX-FX

Matching the extraordinary tonal accuracy of its GX range-mates, the GX-FX design provides direct or ambient surround sound, which may be switched manually or automatically via a 12V signal from the processor to accommodate the functionality of high-end home or professional cinema applications. Amazing as it may seem, the GX-FX's slim wall-hugging profile incorporates no fewer than six drivers.

In monopole mode for discrete side or rear sound channels, its front-firing 6.5" RST bass/mid driver and C-CAM ribbon transducer deliver accurate ultra-wideband sound to match the tonal balance of any GX speaker combination. In dipole mode the GX-FX uses two pairs of side firing 4" C-CAM bass/mid drivers and 1" C-CAM gold-dome tweeters, combined with the tailored output from the front-firing bass/mid driver to provide wonderfully diffuse yet tonally precise surround effects. The GX-FX can be flush-mounted on side or rear walls. Installation is made easy by the inclusion of an adjustable bracket, which allows levelling and adjustment prior to fixing.



GoldGXW-15

The GXW-15 is a brilliant example of state-of-the-art subwoofer design. In a gloriously glossy, rigid compact enclosure, we've installed an ultra-long throw 15" C-CAM bass driver, triple suspended for a full 38mm (1.5") of linear excursion. Featuring a massive magnet structure, and under the DSP control of a 650W D2Audio®* DSP controlled amplifier, this extraordinary deep bass generator brings a new dimension to bass, and reference results for SPL, dynamic control and headroom.

It may deliver taut gut-churning bass all the way down to a seismic 18Hz, but the GXW-15 is also an intelligent design, featuring an advanced automatic room correction system called LEO™* (Listening Environment Optimizer). LEO simply and automatically eliminates the detrimental bass boost of boundaries and corners through the use of a microphone and test tones.

The GXW-15's sealed enclosure and front firing driver make it easy to install. Calibration from the front-mounted controls and dimmable LED display is simple, even from a distant position. It's equipped with a 12V trigger and remote control with four user EQ pre-sets.

*LEO™ and Listening Environment Optimizer™ are Trade Marks of D2Audio®.
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	Gold ^{GX} 50	Gold ^{GX} 100	Gold ^{GX} 200	Gold ^{GX} 300		Gold ^{GXC} 150	Gold ^{GXC} 350	Gold ^{GX} -FX
System Format	2 Way	2 Way	3 Way	3 Way	System Format	2 Way	3 Way	2 Way
Frequency Response	55Hz – 60kHz	42Hz – 60kHz	35Hz – 60kHz	30Hz – 60kHz	Frequency Response	55Hz – 60kHz	40Hz – 60kHz	60Hz – 60kHz
Sensitivity (dB) 1W@1m	86	88	89	90	Sensitivity (dB) 1W@1m	89	90	87
Nominal Impedance (ohms)	8	8	8	8	Nominal Impedance (ohms)	8	8	8
Maximum S.P.L. (dBA)	109.8	112.6	114.5	116.8	Maximum S.P.L. (dBA)	111.5	113.8	110.8
Power Handling - R.M.S (W)	100	120	150	200	Power Handling - R.M.S (W)	150	200	100
Recommended Amplifier Requirements (W)	50 - 100	60 - 120	100 - 150	100 - 200	Recommended Amplifier Requirements (W)	100 - 150	100 - 200	50 - 100
Bass Alignment	Bass Reflex. HiVe® port system	Bass Reflex. HiVe® port system	Bass Reflex. HiVe® port system	Bass Reflex. HiVe® port system	Bass Alignment	Sealed Cabinet	Sealed Cabinet	Sealed Cabinet
Crossover Frequency	2.3kHz	2.7kHz	L.F - M.F: 400Hz M.F - H.F: 2.6kHz	L.F - M.F: 790Hz M.F - H.F: 2.3kHz	Crossover Frequency	2.8kHz	L.F - M.F: 800Hz M.F - H.f: 2.3kHz	Bi-Pole: 2.3kHz Di-pole: 2.6kHz
Drive Unit Compliment	1 x 5.5" RST® bass / mid driver 1 x C-CAM® ribbon H.F transducer	1 x 6.5" RST® bass / mid driver 1 x C-CAM® ribbon H.F transducer	2 x 5.5" RST® bass driver 1 x 4" RST® mid-range driver 1 x C-CAM® ribbon H.F transducer	2 x 6.5" RST® bass driver 1 x 4" RST® mid-range driver 1 x C-CAM ribbon H.F transducer	Drive Unit Compliment	2 x 5.5" RST® bass / mid driver 1 x C-CAM® ribbon H.F transducer	2 x 6.5" RST® bass driver 1 x 4" RST® mid-range driver 1 x C-CAM® ribbon H.F transducer	1 x 6.5" RST® bass driver 2 x 4" C-CAM mid-range driver 1 x C-CAM® ribbon H.F transducer 2 x 25mm Gold C-CAM® dome H.F
Cabinet Dimensions (mm) H x W x D (inches)	300 x 170 x 263 (11 ^{13/16} x 6 ^{11/16} x 10 ^{3/8})	362 x 210 x 303 (14 ^{3/8} x 8 ^{1/4} x 11 ^{15/16})	951 x 170 x 300 (37 ^{7/16} x 6 ^{11/16} x 11 ^{13/16})	1060 x 210 x 330 (41 ^{3/4} x 8 ^{1/4} x 13)	Cabinet Dimensions (mm) H x W x D (inches)	172 x 461 x 303 (6 ^{11/16} x 18 ^{1/8} x 11 ^{15/16})	254 x 581 x 333 (10 x 22 ^{7/8} x 13 ^{1/8})	310 x 390 x 160 (12 ^{3/16} x 15 ^{3/8} x 6 ^{5/16})
Complete Dimensions Inc Terminals, Plinths & spikes H x W x D mm (inches)	300 x 170 x 290 (11 ^{13/16} x 6 ^{11/16} x 11 ^{7/16})	362 x 210 x 330 (14 ^{3/8} x 8 ^{1/4} x 13)	995 x 274 x 370 (39 ^{3/16} x 10 ^{13/16} x 14 ^{9/16})	1105 x 317 x 370 (43 ^{1/2} x 12 ^{1/2} x 14 ^{9/16})	Complete Dimensions Inc Terminals, Plinths & spikes H x W x D mm (inches)	172 x 461 x 330 (6 ^{11/16} x 18 ^{1/8} x 13)	254 x 581 x 360 (10 x 22 ^{7/8} x 14 ^{3/16})	310 x 390 x 168 (12 ^{3/16} x 15 ^{3/8} x 6 ^{5/8})
Product Weight kg (lbs)	7.5 (16.5)	9.9 (21.75)	22.2 (48.9)	27.2 (59.9)	Product Weight kg (lbs)	6 (13.25)	9.9 (21.75)	11.9 (26.1)

GoldGXW-15

System Format	Sealed Cabinet. 25mm M.D.F construction with internal bracing. Sealed amplifier compartment
Low Frequency Limit	18Hz
Upper Frequency Limit	40 - 120Hz Variable
Low Pass Filter Alignment	Active 4th order 24dB/octave (6/12/18/24 dB user adjustable)
Amplifier Power Output	650 watts Continuous. 1200 watts (peak)
Amplifier Classification	D2Audio™ DSP controlled, Class-D amplifier system. High current switch mode power supply (smpsu)
Equalisation	4 Settings (Off/Music/Movie/Impact)
Phase Control	0-90-180-270 degrees
Auto Sensing Input Level Requirements	Line Level > 2mV. Standby after 10 minutes if no signal sensed
Digital Volume Level	-60 to +10dB in 1dB increments
Drive Unit Complement	1 x 15" C-CAM® sub-woofer driver featuring triple suspension and 3" long throw voice coil
12V Trigger Input	3.5mm mono jack socket
Connections	Stereo RCA in/out LFE in/out 12V Trigger in (3.5mm mono jack) LEO - 3.5mm Microphone input jack (microphone supplied)
Input Impedance	20 kohms
Dimensions (H x W x D)	430 x 400 x 400 mm (16 ^{15/16} x 15 ^{3/4} x 115 ^{3/4} Inches) Grille Depth: 28 mm (1 ^{1/8} Inches)
Weight (unpacked)	35.3kg (77.6lbs)
Mains Input Voltage	100 - 120 Vac / 220 - 240 Vac 50/60 Hz (Factory preset)
Electrical Certifications	CE/CB/ETL/Fcc/ErP (Energy saving compliant)
Power Consumption	Maximum 1000W. Standby < 0.5W (ErP Compliance)
Fuse Type	20mm UL/VDE (Value is region specific)
IR Remote Control Code	NEC SH6122

Finishes



Dark Walnut



Natural Oak



Bubinga



Piano Black Gloss



Piano White Gloss



To discover how we reach music lovers all over the world, please visit:
monitoraudio.com

Natural Selection

Violin virtuoso Nicola Benedetti is a prodigy by any definition. While studying at the Yehudi Menuhin school she won the BBC Young Musician of the Year competition at the age of 16. She's played in concerts and recitals at major venues all over the world, and with many leading orchestras, so Nicola knows a thing or two about musical accuracy. Which is why she's happy listening to the Monitor Audio GX300s.



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