

Smart Active Monitoring™ Series

Full Line Catalogue



GENELEC®

Contents

Innovative Technologies	3
SAM™ Development	4
The Ones - Ultimate Point Source Monitors	6
Build, Calibrate and Manage Your Systems	8
SAM™ Coaxial Series	12
SAM™ Woofer System	14
SAM™ Series Two-Way Monitors	16
SAM™ Series Three-Way and Main Monitors	20
SAM™ Series Subwoofers	26
GLM™ Kit	28
GLM Software and AES/EBU Interface	29
GLM System - Quick Start	30

Innovative Technologies



Directivity Control Waveguide (DCW™) Technology

Directivity Control Waveguide (DCW) for flat on- and off-axis response.



Iso-Pod™ Stand

Vibration decoupling Iso-Pod stand improves sound image definition.



Laminar Integrated Port (LIP™) Technology

Laminar Integrated Port (LIP) allows for precise bass reproduction.



Laminar Spiral Enclosure (LSE™) Technology

Highly efficient Laminar Spiral Enclosure (LSE) provides accurate low frequency reproduction.



Minimum Diffraction Enclosure (MDE™) Technology

Minimum Diffraction Enclosure (MDE) for uncoloured sound reproduction.



Reflex Port Design

Advanced reflex port design for extended low frequency response.



Versatile Mountings

Versatile mounting options for all installation needs.



Active Crossovers

Active crossover operating at low signal levels.



Bass Management System

Bass Management System handles multichannel low frequency content.



Intelligent Signal Sensing (ISS™) Technology

Intelligent Signal Sensing (ISS) for power consumption reduction in stand-by mode.



Optimised Amplifiers

Each transducer is driven by its own optimised amplifier.



Protection Circuitry

Sophisticated drive unit protection circuitry for safe operation.



Room Response Compensation

Precise room response compensation for optimising in-room performance.



Smart Active Monitor (SAM™) Systems

Systems feature automatic calibration to the environment.



Minimum Diffraction Coaxial (MDC™) Driver Technology

Transducer reproduces outstanding sound image.



Acoustically Concealed Woofers (ACW™) Technology

For controlled directivity down to low frequencies.

Genelec Classic Monitors, Home Audio and Installation Loudspeakers feature DIP switches for compensation of effects on the frequency response caused by the room and placement of the loudspeakers. For even more precise adaptation to the listening environment, use Genelec's line of Smart Active Monitors (SAM) with the GLM application and AutoCal™.

More information is available at www.genelec.com

SAM™ Development

In 2006, the creation of Smart Active Monitoring (SAM™), changed forever the way in which monitoring systems interact with their acoustic environments. For the first time, automated calibration was in the hands of every user.

The idea of adaptability has been a part of Genelec monitors and subwoofers since 1978, but with the advent of SAM, Genelec surpassed the need for manual switch adjustments. In the decade that followed, the unique SAM blend of performance and flexibility has proven itself an indispensable tool within countless studios. At the same time, it has driven improvements in acoustics, electronics and features, all described in this catalogue.

Genelec – the leader in active monitoring technology since 1978 – has now refined SAM to become the definitive technology in accurate and reliable monitoring. Today, SAM is the essential solution for every music, broadcast or post-production facility on any scale.



GENELEC®

the sonic reference since 1978



2006

Representing an industry breakthrough, the first Genelec Loudspeaker Manager (GLM™ 1.0) with the 8200-416 network interface and 8200A calibration microphone offered computer control of five revolutionary products; the 8240 and 8250 active monitors and 7260, 7270, and 7271 subwoofers.

2007

A year later, the GLM concept was extended to the SE (Small Environment) Systems, representing the perfect marriage of the specially coded 7261 DSP subwoofer, GLM SE software, the 8200-416B network interface and 8200A calibration microphone, and the 8130 digital input monitor.

2009

As GLM and AutoCal™ solidified their positions as the industry's trusted Smart monitoring technologies, the 3-way 8260 was launched. Mixing the aesthetic appeal of the 8000 Series, it featured a high resolution Minimum Diffraction Coaxial (MDC™) midrange/tweeter driver together with a traditional 10" woofer.

2011

Following the release in 2010 of the 1038CF, the 1238CF became a perfect SAM™ solution with space-saving dimensions, high directivity control and strikingly powerful sound pressure level (SPL).

2013

SAM grew again, this time making a home in larger studios thanks to a multi-purpose designed amplifier module, the RAM-L, and three higher resolution monitors, the 1237, 1238, and 1238AC.

2014

Now a cornerstone technology, SAM expanded with major introductions including GLM 2.0, encompassing a radically redesigned UI with the 8300-416 network interface and 8300A calibration microphone, plus the Compact SAM Series with the 8320, 8330 and 7350.

Also new, the 8351 was greeted as the most innovative Genelec monitor yet, featuring a Minimum Diffraction Coaxial (MDC™) driver plus a large Directivity Control Waveguide (DCW™) and two acoustically concealed woofers. With SAM, the 8351 redefined the monitoring experience.

2015

The mighty RAM-XL sparked the creation of the 1234, housing dual 12" drivers and a large DCW. More powerful still was the 1236 – the Genelec SAM flagship, delivering more than 130 dB and extending below 20 Hz.

2016

The 8340 and 8350 Smart monitors plus 7360 and 7370 Smart subwoofers have made SAM Smarter than ever – for both analogue and digital applications. Smart subwoofers also connect to any 7.1 digital audio source via the 9301 AES/EBU Multichannel Interface.

The 1238AC and 1234AC are centre channel monitors designed for the most demanding applications.

Updated version of the 1238CF, the 1238DF allow it to partner with an accompanying subwoofer to deliver main monitor performance in rooms where space is at a real premium.

A world's first, the Genelec 8430 IP allows direct monitoring of Audio-over-IP (AoIP) streams supporting the industry standard AES67.

2017

New GLM 3 offers Cloud services, Reference Level listening features and several other important refinements. The 1032C offers a high-SPL that fuses the much-loved soffit-mountable styling of the iconic 1000 series with our latest Smart Active Monitoring technology. 7380 provides a level of performance normally associated with much larger enclosures, the 7380A subwoofer offers both high power and high SPL, with an extended low-distortion LF response and flexible bass management options.

New small members of the Ones family 8331 and 8341 provides incredible three-way point source with the footprint of a compact two-way. When space and precision is of the essence, nothing even comes close.

2018

The S360A delivers high SPL monitoring without compromising on predict-

ability, speech intelligibility or sound quality and 7382A with a frequency response down to 15 Hz, and a maximum SPL capability in excess of 130 dB, is the Genelec's most powerful subwoofer to date.

2019

The 1235A brought the sound and heritage of the iconic 1035 into the modern recording age. High SPL capability and precise imaging come together in a main monitor that adapts to the room.

The 8351B with the revolutionary three-way monitor design, introduced in 2014, has a unique look, compact size and a performance that has to be heard to be believed.

The new flagship of The Ones range, the 8361A offers the most advanced acoustic performance of any studio monitor.

W371 provides an absolute revelation in low frequency performance. With the W371A, you can finally wave goodbye to the detrimental influences of the room on LF reproduction.

2020

GLM 4 software, the best version so far.

The Ones - Ultimate Point Source Monitors

Positioning of microphones determines the outcome of a recording, and movements less than a finger's width can mean a significant difference. Microphone placement, understandably, is based on listening, which in turn requires an equal amount of accuracy. Audio mixing and mastering are other critical phases where trust in what you hear is essential for setting level, pan, EQ, effects, depth and balance. These are fundamental aspects of how well a track or program translates to other rooms and playback conditions.

Traditional monitoring loudspeakers have separate independent drivers that generate crossover colouration off-axis – forcing a critical listener to sit at a specific spot, not moving the head. A point source monitor has therefore long been regarded the holy grail of monitor design. However, if not properly designed, point source came with disadvantages; for instance limited frequency range,

low SPL, uneven dispersion or discontinuities causing distortion, to name a few.

THE ONES are uncompromised three-way point source monitors that not only promote faster and more consistent production decision making, but also longer listening time than a traditional monitor, because unnatural imaging, a main contributor to listener fatigue, is minimised. Dispersion is controlled over an unusually wide frequency range thanks to the large integrated waveguide and the hidden dual woofer design.

For all applications calling for precision imaging, extended frequency response, short to medium listening distance or long, fatigue-free working hours, these compact three-way monitors are in an elite league of their own.





GENELEC

GENELEC

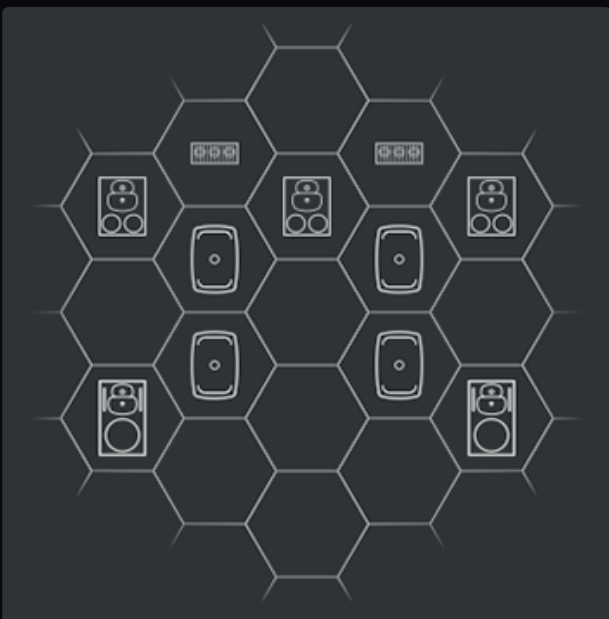
Build, Calibrate and Manage Your Systems

Monitors change spectral balance depending on placement in a room, and therefore need to be aligned and calibrated after positioning to ensure proper and reliable listening conditions. Genelec monitors have long featured DIP switches to compensate for placement, but new SAM monitors enable automated, more accurate and objective adjustments allowing true reference listening under previously intolerable conditions.

Use the GLM (Genelec Loudspeaker Manager) application on a PC or Mac to build and calibrate a monitor system consisting of THE ONES and other Smart Active Monitors. When setting up, the same physical monitors may be used in more than one system. Creating a monitoring setup is easy with GLM software - just position monitor icons on the GLM layout grid. In the example shown below, you could quickly switch between six calibrated systems: mono, stereo, 5.1, 7.1, 7.1.2 and 7.1.4, and to engage bass management to a subwoofer.

Systems can be easily level-calibrated to compliance with the latest broadcast and film industry standards, and delay is inserted in each monitor to compensate for distance differences to the listening position. Finally, one or more subwoofers can be added, and the entire audio system quickly adjusted for personal spectral preferences, if required.

Drawn from decades' worth of data gathered from thousands of studios, Genelec's GLM software is combined with Genelec AutoCal, a proprietary and continuously developing expert algorithm that aligns levels, distances and compensated room effects in the frequency responses for all monitors on the GLM management network.





Ideal for Small Spaces

Demanding audio productions are created in ever shrinking monitoring spaces. These constrained environments have uneven low frequency responses, increased sound colouration and large acoustical differences between rooms. In-situ calibration and ultra near-field capability are two reasons why THE ONES cope extraordinarily well with these challenges.

Furthermore, their maximum size waveguide covering the entire front, and maximum internal volume due to a rib-damped aluminium enclosure make the most of limited space, regardless of whether these monitors are used in horizontal or vertical mode.

THE ONES' design will satisfy your eyes and ears no matter how you orientate them.

Full-Size Waveguide

Integrated waveguide without discontinuities for excellent directivity and imaging.

Point Source

Separate midrange and tweeter drivers in the centre of a diffraction-free aluminium enclosure. Concealed dual woofers complete a unique coaxial design.

Horizontal or Vertical

Free orientation. No sonic compromise in either direction. Iso-Pods for flexible tilt (included).



Three-Way Compact

The most compact three-way monitors with spectacular industrial design by Harri Koskinen. Woofers located behind the waveguide extend directivity to low frequencies.

Light Footprint

Sustainable production and use: Made in Finland using renewable energy and recycled aluminium. Low power consumption and long life.

Setup & Calibrate

Network connectors for system building and GLM auto-calibration. Analogue and digital inputs, universal power supply. Standard fixing points for flexible mounting.



SAM™ Coaxial Series



8331A

Maximum sound pressure level¹	104/110 dB (1/0.5 m)
Free field frequency response	45 Hz – 37 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (58 Hz – 20 kHz)
Drivers	2 x oval Bass (65 x 130 mm, 2 ⁹ / ₁₆ x 5 ¹ / ₈ inch) + Coaxial Midrange (Ø 90 mm, 3 ¹⁷ / ₃₂ inch) + Treble MDC™ (Ø 19 mm, 3 ³ / ₄ inch metal dome) + DCW™
Amplifier power per channel	2 x 72 W Bass + 36 W Midrange + 36 W Treble (all Class D)
Dimensions H x W x D	305 x 189 x 212 mm, 12 x 7 ⁷ / ₁₆ x 8 ¹¹ / ₃₂ inch, with Iso-Pod™
Weight	6.7 kg / 14.8 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black, Dark Grey or White



8341A

Maximum sound pressure level¹	110/118 dB (1/0.5 m)
Free field frequency response	38 Hz – 37 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (45 Hz – 20 kHz)
Drivers	2 x oval Bass (90 x 170 mm, 3 ¹⁷ / ₃₂ x 6 ¹¹ / ₁₆ inch) + Coaxial Midrange (Ø 90 mm, 3 ¹⁷ / ₃₂ inch) + Treble MDC™ (Ø 19 mm, 3 ³ / ₄ inch metal dome) + DCW™
Amplifier power per channel	2 x 250 W Bass + 150 W Midrange + 150 W Treble (all Class D)
Dimensions H x W x D	370 x 237 x 243 mm, 14 ⁹ / ₁₆ x 9 ¹¹ / ₃₂ x 9 ⁹ / ₁₆ inch, with Iso-Pod™
Weight	9.8 kg / 21.6 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black, Dark Grey or White



8351B

Maximum sound pressure level¹	113/118 dB (1/0.5 m)
Free field frequency response	32 Hz – 43 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (38 Hz – 20 kHz)
Drivers	2 x oval Bass (101 x 218 mm, 3 ³¹ / ₃₂ x 8 ¹⁹ / ₃₂ inch) + Coaxial Midrange (Ø 130 mm, 5 ¹ / ₈ inch) + Treble MDC™ (Ø 25 mm, 1 inch metal dome) + DCW™
Amplifier power per channel	2 x 250 W Bass + 150 W Midrange + 150 W Treble (all Class D)
Dimensions H x W x D	452 x 287 x 278 mm, 17 ²⁵ / ₃₂ x 11 ⁵ / ₁₆ x 10 ¹⁵ / ₁₆ inch, with Iso-Pod™
Weight	14.3 kg / 31.5 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black, Dark Grey or White

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

The Ones: A Quest for Excellence

Genelec's history forms a 40-year continuum of remarkable inventions, with one pioneering and cutting edge design following another.

Performance has been driven up time after time, with THE ONES being the latest additions to this chain of breakthroughs.

All sub-systems of THE ONES including electronics, amplifier circuitry, drivers and system configuration are entirely designed, handmade and individually tested by craftsmen at our factory in Iisalmi, Finland.





8361A

Maximum sound pressure level¹	118/124 dB (1/0.5 m)
Free field frequency response	30 Hz – 43 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (36 Hz – 20 kHz)
Drivers	2 x oval Bass (137 x 263 mm, 5 ¹³ / ₃₂ x 10 ¹¹ / ₃₂ inch) + Coaxial Midrange (Ø 130 mm, 5 ¹ / ₈ inch) + Treble MDC™ (Ø 25 mm, 1 inch metal dome) + DCW™
Amplifier power per channel	2 x 700W Bass + 150W Midrange + 150W Treble (all Class D)
Dimensions H x W x D	593x357x347 mm, 23 ¹ / ₃₂ x 14 ¹ / ₁₆ x 13 ²¹ / ₃₂ inch, with Iso-Pod™
Weight	31.9 kg / 70.3 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black, Dark Grey or White

SAM™ Woofer System



W371A

Maximum sound pressure level²	120 dB (1m)
Free field frequency response	23 Hz – 500 Hz (-6dB)
Drivers	Front driver Ø 356 mm, 14 inch Rear driver Ø 305 mm, 12 inch
Amplifier power per channel	2x 400 W (Class D)
Dimensions H x W x D	1108x400x400 mm, 43 ⁵ / ₈ x 15 ³ / ₄ x 15 ³ / ₄ inch
Weight	61.0 kg / 134.5 lb
Audio Connectors	XLR analogue in- and output, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black, Dark Grey or White



The W371 Adaptive Woofer System features two independent woofers in acoustically different physical locations within the room, and unlike traditional systems, both units overlap in their range of operation. THE ONES monitors can work with the W371 as a single full-range system, with the W371 offering three different operating modes to yield a choice of either flat and neutral LF response avoiding room-induced peaks and notches plus increased maximum SPL, or continued directivity of the main monitor down to the lowest LF frequencies, or reduction of detrimental reflections by the walls, ceiling or floor. After selecting the monitor locations, each W371 uses GLM's AutoCal™ function to pick and tune the signal processing for the best LF radiation mode, taking into account the monitor location and listening position.

1) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

2) Maximum short term sine wave sound pressure level averaged from 100 Hz to 500 Hz, measured on axis in half space at 1 metre.



SAM™ Series Two-Way Monitors

With a growing number of audio productions taking place in tighter, more confined spaces, the potential for acoustic problems and unreliable monitoring increases. Genelec's compact two-way SAM monitors pack huge performance into a small footprint, and in conjunction with GLM software can be configured, calibrated and controlled to produce consistently accurate results even in challenging small-room environments.



8320A

Maximum sound pressure level¹	100 dB
Free field frequency response	55 Hz – 23 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (66 Hz – 20 kHz)
Drivers	Bass Ø 105 mm, 4 ¹ / ₈ inch + Treble Ø 19 mm, 3 ³ / ₄ inch metal dome + DCW™
Amplifier power per channel	50 W Bass + 50 W Treble (both Class D)
Dimensions H x W x D	242 x 151 x 142 mm, 9 ¹⁷ / ₃₂ x 5 ¹⁵ / ₁₆ x 5 ¹⁹ / ₃₂ inch, with Iso-Pod™
Weight	3.2 kg / 7.1 lb
Audio Connectors	XLR analogue input, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Dark Grey, White or RAW



8330A

Maximum sound pressure level¹	104 dB
Free field frequency response	45 Hz – 23 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (58 Hz – 20 kHz)
Drivers	Bass Ø 130 mm, 5 ¹ / ₈ inch + Treble Ø 19 mm, 3 ³ / ₄ inch metal dome + DCW™
Amplifier power per channel	50 W Bass + 50 W Treble (both Class D)
Dimensions H x W x D	299 x 189 x 178 mm, 11 ²⁵ / ₃₂ x 7 ⁷ / ₁₆ x 7 inch, with Iso-Pod™
Weight	5.5 kg / 12.1 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Dark Grey, White or RAW



8340A

Maximum sound pressure level¹	110 dB
Free field frequency response	38 Hz – 22 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (45 Hz – 20 kHz)
Drivers	Bass Ø 165 mm, 6 ¹ / ₂ inch + Treble Ø 19 mm, 3 ³ / ₄ inch metal dome + DCW™
Amplifier power per channel	150 W Bass + 150 W Treble (both Class D)
Dimensions H x W x D	365 x 237 x 223 mm, 14 ³ / ₈ x 9 ¹¹ / ₃₂ x 8 ²⁵ / ₃₂ inch, with Iso-Pod™
Weight	8.4 kg / 18.5 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Dark Grey, White or RAW

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.



SAM™ Series Two-Way Monitors



8350A

Maximum sound pressure level¹	112 dB
Free field frequency response	33 Hz – 22 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (38 Hz – 20 kHz)
Drivers	Bass Ø 205 mm, 8 ¹ / ₁₆ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	200 W Bass + 150 W Treble (both Class D)
Dimensions H x W x D	452 x 286 x 278 mm, 17 ²⁵ / ₃₂ x 11 ¹ / ₄ x 10 ¹⁵ / ₁₆ inch, with Iso-Pod™
Weight	12.8 kg / 28.2 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Dark Grey or White



8430A IP

Maximum sound pressure level¹	104 dB
Free field frequency response	45 Hz – 23 kHz (-6 dB)
Accuracy of frequency response	± 1.5 dB (58 Hz – 20 kHz)
Drivers	Bass Ø 130 mm, 5 ¹ / ₈ inch + Treble Ø 19 mm, 3 ³ / ₄ inch metal dome + DCW™
Amplifier power per channel	50 W Bass + 50 W Treble (both Class D)
Dimensions H x W x D	299 x 189 x 178 mm, 11 ²⁵ / ₃₂ x 7 ⁷ / ₁₆ x 7 inch, with Iso-Pod™
Weight	5.5 kg / 12.1 lb
Audio Connectors	XLR analogue input, RJ45 audio-over-IP input and management interface, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Dark Grey



A world's first, the Genelec 8430 IP is the professional solution for directly monitoring Audio-over-IP (AoIP) streams in modern networking applications. Making SAM™ even Smarter, the 8430 IP supports the industry's AoIP interoperability standard AES67, and is compatible with the networking protocols of today and tomorrow. Crucially, it is also a fully developed SAM™ System, enabling fast and accurate multichannel or immersive audio system calibration to suit your requirements. Also featured are Minimum Diffraction Enclosure (MDE™) and DCW™ technologies, a flow optimised reflex port, high sound pressure level (SPL), low noise and wide uncoloured response in a very compact enclosure. With Genelec's Class D amplification and universal mains voltage, the 8430 IP is an industry first that's ready to work.

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

SAM™ Series Two-Way Monitors



1032C

Maximum sound pressure level¹	114 dB
Free field frequency response	33 Hz – 23 kHz (-6 dB)
Accuracy of frequency response	± 2.5 dB (40 Hz – 20 kHz)
Drivers	Bass Ø 250 mm, 9 ²⁷ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	250 W Bass + 150 W Treble (both Class D)
Dimensions H x W x D	495 x 320 x 290 mm, 19 ¹ / ₂ x 12 ¹⁹ / ₃₂ x 11 ¹³ / ₃₂ inch
Weight	17.0 kg / 37.5 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black



S360A

Maximum sound pressure level¹	118 dB
Free field frequency response	36 Hz - 22 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (39 Hz - 19 kHz)
Drivers	Bass Ø 250 mm, 9 ²⁷ / ₃₂ inch + Treble Ø 25 mm, 1 inch compression + DCW™
Amplifier power per channel	250 W Bass + 100 W Treble (both Class D)
Dimensions H x W x D	530 x 360 x 360 mm, 20 ⁷ / ₈ x 14 ³ / ₁₆ x 14 ³ / ₁₆ inch, with integrated Iso-Plate™
Weight	30.0 kg / 66.1 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™
Colour options	Black or White

1) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

SAM™ Series Three-Way and Main Monitors

For large-room applications where high SPL is required or the listening distances are greater, Genelec offers a range of monitors that deliver precise reference-quality reproduction even at high acoustic outputs.

Due to their broad bandwidth and high output, these monitors are ideal for either stereo or multichannel music recording studios, mastering houses, broadcasting facilities, editing suites and post-production studios. Their modern high-efficiency amplifiers and proprietary GLM software control provide an unmatched level of power, control and adaptability.

Each model features the advanced Directivity Control Waveguide (DCW), which delivers a large, stable audio image and neutral sound reproduction since it provides smooth frequency response both on- and off-axis. This makes it perfect for larger rooms, since multiple listeners can all benefit from the same reliable monitoring experience. Directivity patterns are also matched between models, yielding consistent performance right across the range.

Remote Amplifier Module RAM L



Remote Amplifier Module RAM XL





SAM™ Series Three-Way and Main Monitors



1237A

Maximum sound pressure level¹	118 dB
Free field frequency response	32 Hz – 22 kHz (-6 dB)
Accuracy of frequency response	± 2.5 dB (37 Hz – 20 kHz)
Drivers	Bass Ø 305 mm, 12 inch + Midrange Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	500 W Bass + 250 W Midrange (both Class D) + 200 W Treble (Class AB)
Loudspeaker H x W x D	680 x 400 x 380 mm, 26 ²⁵ / ₃₂ x 15 ³ / ₄ x 14 ³¹ / ₃₂ inch
RAM L size	3U / 19 inch
Weight incl. RAM L amplifier	42 kg / 93 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



1238A

Maximum sound pressure level¹	121 dB
Free field frequency response	30 Hz – 22 kHz (-6 dB)
Accuracy of frequency response	± 2.5 dB (35 Hz – 20 kHz)
Drivers	Bass Ø 385 mm, 15 ⁵ / ₃₂ inch + Midrange Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	500 W Bass + 250 W Midrange (both Class D) + 200 W Treble (Class AB)
Loudspeaker H x W x D	810 x 480 x 420 mm, 31 ⁷ / ₈ x 18 ²⁹ / ₃₂ x 16 ¹⁷ / ₃₂ inch
RAM L size	3U / 19 inch
Weight incl. RAM L amplifier	57 kg / 126 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

SAM™ Series Three-Way and Main Monitors



1238AC

Maximum sound pressure level¹	121 dB
Free field frequency response	30 Hz – 22 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (35 Hz – 20 kHz)
Drivers	Bass 2 x Ø 250 mm, 9 ²⁷ / ₃₂ inch + Midrange Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	2 x 500 W Bass + 250 W Midrange (both Class D) + 200 W Treble (Class AB)
Loudspeaker H x W x D	350 x 950 x 453 mm, 13 ²⁵ / ₃₂ x 37 ¹³ / ₃₂ x 17 ²⁷ / ₃₂ inch
RAM L size	3U / 19 inch
Loudspeaker weight	60.0 kg / 132.3 lb
RAM L weight	6.0 kg / 13.2 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



1238DF

Maximum sound pressure level¹	117 dB
Free field frequency response	50 Hz – 20 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (57 Hz – 20 kHz)
Drivers	Bass 2 x Ø 210 mm, 8 ⁹ / ₃₂ inch + Midrange Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	2 x 500 W Bass + 250 W Midrange (both Class D) + 200 W Treble (Class AB)
Loudspeaker H x W x D	610 x 470 x 257 mm, 24 x 18 ¹ / ₂ x 10 ¹ / ₈ inch
RAM L size	3U / 19 inch
Loudspeaker weight	36.0 kg / 79.4 lb
RAM L weight	6.0 kg / 13.2 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

SAM™ Series Three-Way and Main Monitors



1234A

Maximum sound pressure level¹	125 dB
Free field frequency response	29 Hz – 21 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (34 Hz – 20 kHz)
Drivers	Bass 2 x Ø 305 mm, 12 inch + Midrange Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	2 x 750 W Bass + 400 W Midrange + 250 W Treble (all Class D)
Loudspeaker H x W x D	700 x 890 x 383 mm, 27 ⁹ / ₁₆ x 35 ¹ / ₃₂ x 15 ³ / ₃₂ inch
RAM XL size	3U / 19 inch
Loudspeaker weight	73.0 kg / 160.9 lb
RAM XL weight	11.2 kg / 24.7 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



1234AC

Maximum sound pressure level¹	125 dB
Free field frequency response	29 Hz – 21 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (34 Hz – 20 kHz)
Drivers	Bass 2 x Ø 305 mm, 12 inch + Midrange Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch metal dome + DCW™
Amplifier power per channel	2 x 750 W Bass + 400 W Midrange + 250 W Treble (all Class D)
Loudspeaker H x W x D	489 x 1210 x 412 mm, 19 ¹ / ₄ x 47 ⁵ / ₈ x 16 ⁷ / ₃₂ inch
RAM XL size	3U / 19 inch
Loudspeaker weight	79.5 kg / 175.3 lb
RAM XL weight	11.2 kg / 24.7 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

SAM™ Series Three-Way and Main Monitors



1235A

Maximum sound pressure level¹	130 dB
Free field frequency response	29 Hz – 26 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (31 Hz – 20 kHz)
Drivers	Bass 2 x Ø 380 mm, 14 ³¹ / ₃₂ inch + Midrange 2 x Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch compression + DCW™
Amplifier power per channel	2 x 1000 W Bass + 2 x 400 W Midrange + 250 W Treble (all Class D)
Loudspeaker H x W x D	820 x 1105 x 650 mm, 32 ⁹ / ₃₂ x 43 ¹ / ₂ x 25 ¹⁹ / ₃₂ inch
RAM XL size	3U / 19 inch
Loudspeaker weight	164.0 kg / 361.6 lb
RAM XL weight	11.2 kg / 24.7 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



1236A

Maximum sound pressure level¹	130 dB
Free field frequency response	17.5 Hz – 26 kHz (-6 dB)
Accuracy of frequency response	± 2 dB (21 Hz – 20 kHz)
Drivers	Bass 2 x Ø 458 mm, 18 ¹ / ₃₂ inch + Midrange 2 x Ø 125 mm, 4 ²⁹ / ₃₂ inch + Treble Ø 25 mm, 1 inch compression + DCW™
Amplifier power per channel	2 x 1000 W Bass + 2 x 400 W Midrange + 250 W Treble (all Class D)
Loudspeaker H x W x D	1180 x 960 x 650 mm, 46 ¹⁵ / ₃₂ x 37 ²⁵ / ₃₂ x 25 ¹⁹ / ₃₂ inch
RAM XL size	3U / 19 inch
Loudspeaker weight	182.0 kg / 401.2 lb
RAM XL weight	11.2 kg / 24.7 lb
Audio Connectors	XLR analogue input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™

¹) Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured on axis in half space at 1 metre.

SAM™ Series Subwoofers

Complementing Genelec's range of SAM monitors, our SAM subwoofers combine power with precision.

Each model delivers articulate and dynamic low frequency reproduction with very low distortion, even at the lowest frequencies. Also featured is multichannel bass management, offering an adjustable crossover frequency and much more.

Additionally, via GLM software, all SAM subwoofers can be configured and calibrated to compensate for detrimental room acoustics, helping to produce mixes that translate beautifully to other playback systems – from simple stereo to large immersive formats.



7382A

Maximum sound pressure level²	129 dB
Free field frequency response	15 Hz - 100 Hz (-6 dB), LFE 15 Hz - 120 Hz (-6 dB)
Drivers	3 x Ø 381 mm, 15 inch
Amplifier power	2500 W (Class D)
Dimensions H x W x D	625 x 1400 x 558 mm, 24 ¹⁹ / ₃₂ x 55 ¹ / ₈ x 21 ³¹ / ₃₂ inch, RAM-SW: 3U / 19 inch
Loudspeaker weight	145.0 kg / 319.7 lb
RAM-SW weight	11.2 kg / 24.7 lb
Audio Connectors	2 x XLR analogue in- and outputs, XLR analogue LFE input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™

2) Maximum short term sine wave sound pressure level averaged from 30 to 85 Hz, measured in half space at 1 metre.

SAM™ Series Subwoofers



7350A

Maximum sound pressure level²	104 dB
Free field frequency response	22 Hz - 100 Hz (-6 dB), LFE 22 Hz - 160 Hz (-6 dB)
Drivers	Ø 205 mm, 8 ¹ / ₁₆ inch
Amplifier power	150 W (Class D)
Dimensions H x W x D	410 x 350 x 319 mm, 16 ⁵ / ₃₂ x 13 ²⁵ / ₃₂ x 12 ⁹ / ₁₆ inch
Weight	19.0 kg / 41.9 lb
Audio Connectors	5 x XLR analogue in- and outputs, XLR analogue LFE input, XLR digital AES/EBU in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



7360A

Maximum sound pressure level²	109 dB
Free field frequency response	19 Hz - 100 Hz (-6 dB), LFE 19 Hz - 150 Hz (-6 dB)
Drivers	Ø 250 mm, 9 ²⁷ / ₃₂ inch
Amplifier power	300 W (Class D)
Dimensions H x W x D	527 x 462 x 365 mm, 20 ³ / ₄ x 18 ³ / ₁₆ x 14 ³ / ₈ inch
Weight	27.0 kg / 59.5 lb
Audio Connectors	7 x XLR analogue in- and outputs, XLR analogue LFE in- and output, XLR digital AES/EBU in- and output, XLR analogue LINK in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



7370A

Maximum sound pressure level²	113 dB
Free field frequency response	19 Hz - 100 Hz (-6 dB), LFE 19 Hz - 150 Hz (-6 dB)
Drivers	Ø 305 mm, 12 inch
Amplifier power	400 W (Class D)
Dimensions H x W x D	625 x 555 x 496 mm, 24 ¹⁹ / ₃₂ x 21 ²⁷ / ₃₂ x 19 ¹⁷ / ₃₂ inch
Weight	48.0 kg / 105.8 lb
Audio Connectors	7 x XLR analogue in- and outputs, XLR analogue LFE in- and output, XLR digital AES/EBU in- and output, XLR analogue LINK in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™



7380A

Maximum sound pressure level²	119 dB
Free field frequency response	16 Hz - 100 Hz (-6 dB), LFE 16 Hz - 120 Hz (-6 dB)
Drivers	Ø 381 mm, 15 inch
Amplifier power	800 W (Class D)
Dimensions H x W x D	685 x 718 x 492 mm, 26 ³¹ / ₃₂ x 28 ⁹ / ₃₂ x 19 ³ / ₈ inch
Weight	69.0 kg / 152.1 lb
Audio Connectors	7 x XLR analogue in- and outputs, XLR analogue LFE in- and output, XLR digital AES/EBU in- and output, XLR analogue LINK in- and output, 2 x RJ45 GLM Network
Management and control system	GLM™

²) Maximum short term sine wave sound pressure level averaged from 30 to 85 Hz, measured in half space at 1 metre.



GLM™ Kit

If you've ever been frustrated that your mixes don't translate well to other systems, it's because your monitors and your room are interacting to produce a frequency response that can be far from the neutral and smooth response that you need to create a great mix.

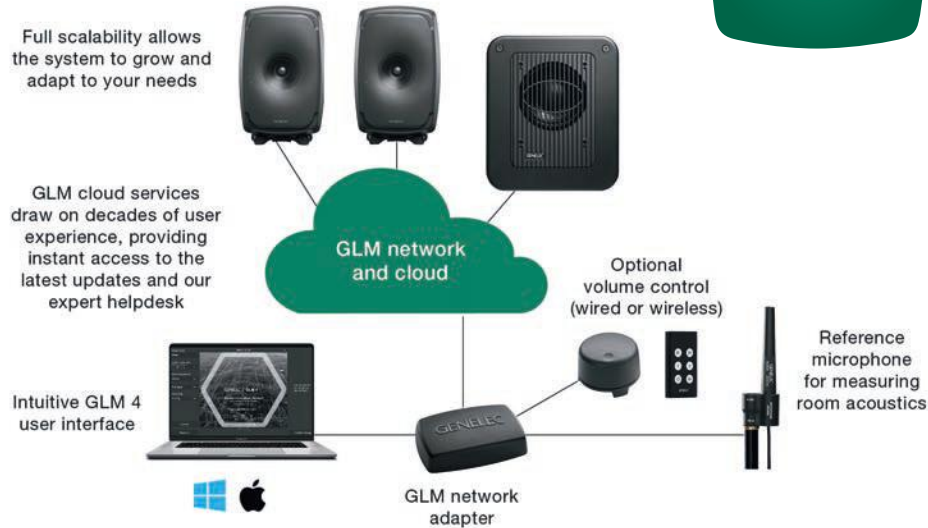
GLM software tightly integrates with all SAM monitors and subwoofers, and the Genelec GLM Kit allows your acoustic environment to be analysed, after which GLM's AutoCal feature optimises each monitor for level, distance delay, subwoofer crossover phase and room response equalisation, with the option for you to further fine tune the system. By minimising the room's influence on the sound, GLM helps Genelec monitoring systems deliver an unrivalled reference, with excellent translation between rooms.

With GLM you can

- Manage and control 80+ SAM monitors and subwoofers.
- Easily and swiftly create systems from simple stereo to 3D immersive audio formats.
- Optimise, combine and switch between Genelec monitors to make the most of your room environment.
- Take advantage of GLM Cloud services – providing a secure back-up, the latest software updates and standards, and access to our Cloud Helpdesk for support and advice.
- Store calibration settings for different listening positions, then instantly recall them as required.
- Use the personalisation feature to customise your preferred response, without sacrificing predictability.
- Calibrate listening levels to international loudness standards.
- Use GLM as a high-quality monitor controller without the need for external hardware.
- The optional 9310B Volume Control can be added for convenient volume control.



System Components



GLM™ Software

GLM Software runs in 64-bit Windows and Mac computers. Check up-to-date information from www.genelec.com/glm

9301A AES/EBU Multichannel Interface

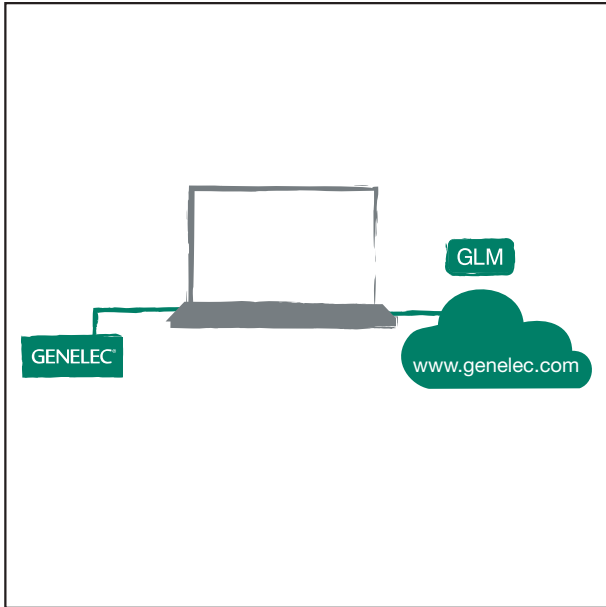


The Genelec 9301A facilitates 7.1 multichannel AES/EBU digital audio bass management for the 7300 series of SAM subwoofers. Multiple subwoofers with 9301A units can be used for higher channel-count immersive playback environments requiring bass management.

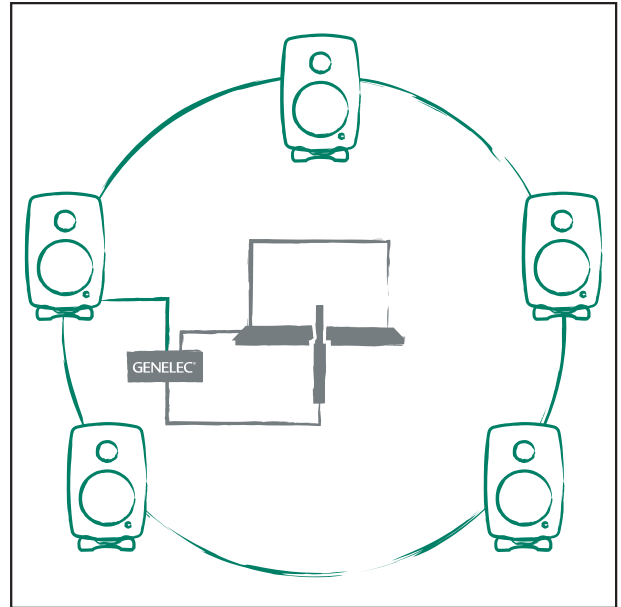
Channels	7.1 XLR digital audio in- and outputs, XLR subwoofer output link
Digital audio format	AES/EBU (AES3)
Word length	16...24 bits
Sample rate	32...192 kHz Inputs are sample rate converted
Dimensions H x W x D	43 x 483 x 105 mm, 1 ¹¹ / ₁₆ x 19 x 4 ¹ / ₈ inch
Weight	2.0 kg / 4.4 lb
Management and control system	GLM™

GLM System - Quick Start

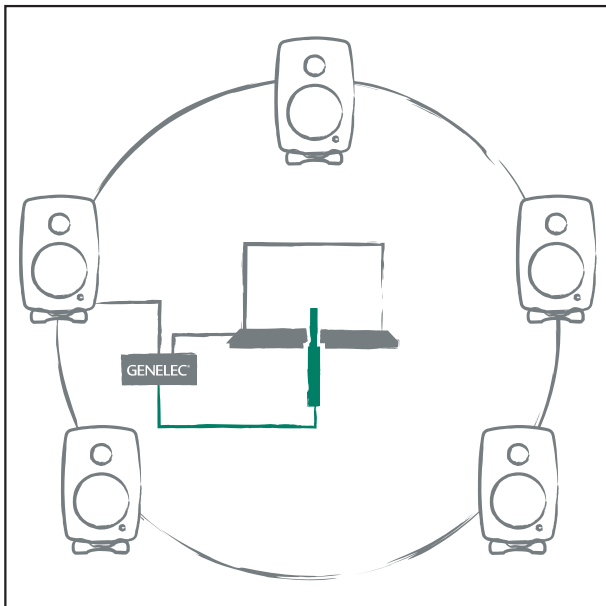
1) Download and install the GLM software from www.genelec.com and connect the GLM Network Adapter.



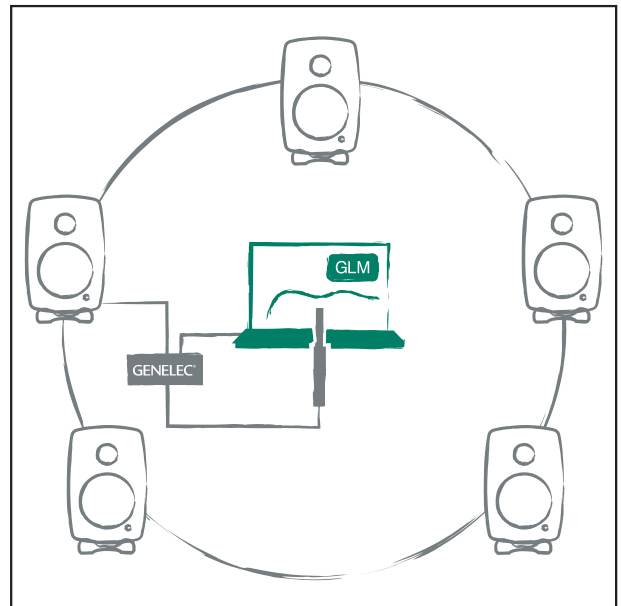
2) Place your monitoring system and connect each monitor to the GLM network in a chain manner, regardless of the connecting order.



3) Place the Genelec measurement microphone at the listening position at typical ear height and connect it to the GLM Network Adapter.



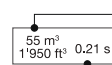
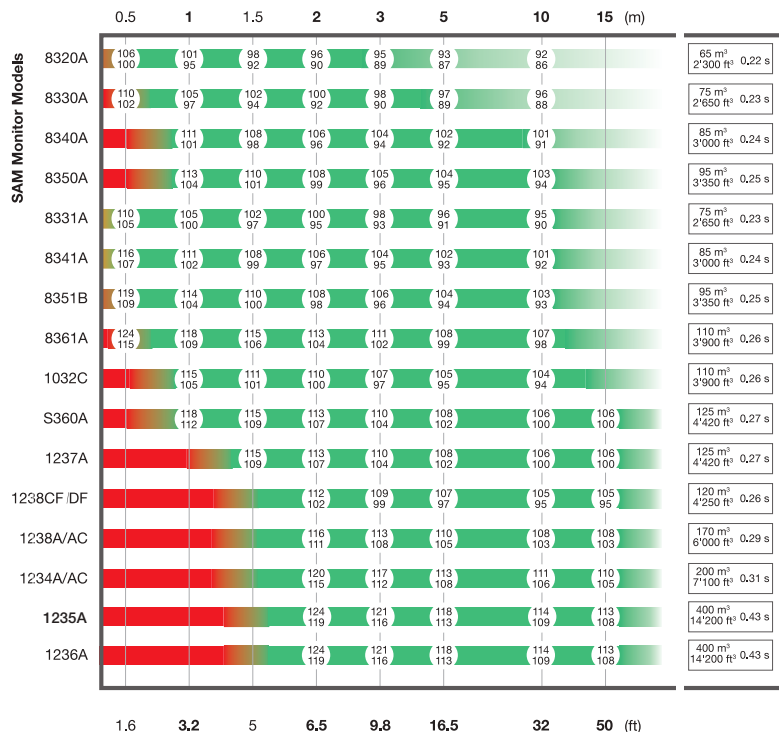
4) Start the GLM software and follow the instructions in order to define your monitors' location and setup configuration.



5) Follow the instructions to automatically calibrate the system using one or more measurement positions.

Once the calibration is done, you can use the GLM software to control your monitoring system conveniently. If needed, you can also store all settings in individual Smart monitors and Smart subwoofers and disconnect the GLM network.

Listening Distance and Sound Pressure Level



Room volume

Room reverberation time (RT60)

Short-term sound pressure levels

Maximum short-term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured in half-space, on-axis. Peak levels are higher. This number tends to underestimate headroom by 4 dB, based on typical immersive standards and audio content. For more detailed information, please contact Genelec.

Long-term sound pressure levels

Maximum long-term RMS sound pressure level, measured in half-space, on-axis, with simulated programme signal according to IEC 60268-5 (limited by driver unit protection circuit).

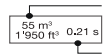
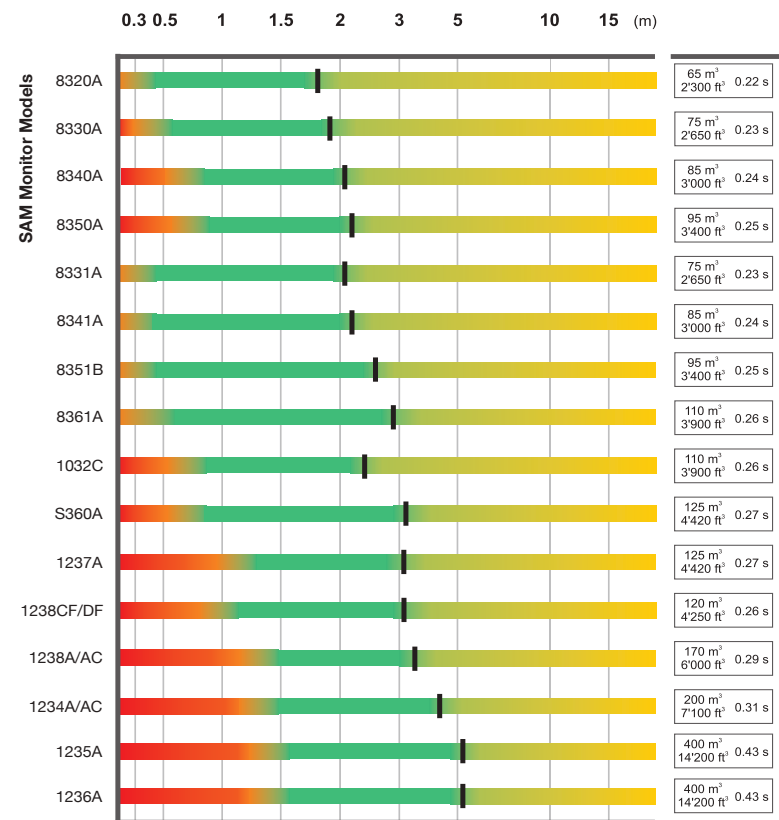
Listening Distances and SPL

The short-term and long-term sound pressure levels (SPL) listed take into consideration the typical room volume and reverberation time for each monitor (right margin, based on ITU-R BS.1116). If the reverberation time is longer, it will mainly affect the long-term SPL that will be higher than shown.

Not Recommended Distances

When the distance to the monitor is too short, summing of sound from multiple drivers is not happening as designed.

Direct Sound Dominance



Room volume

Room reverberation time (RT60)

Not Recommended Distances

When the distance to the monitor is too short, summing of sound from multiple drivers is not happening as designed, and this affects the flatness of the frequency response. A flatter and more stable frequency response is obtained by a larger distance.

Direct Sound Dominates

Within this distance the direct sound from the monitor has a higher level than the reverberant sound in the room. Placing the monitor within this distance range is advantageous in minimizing the tendency of the room reverberation to change the character of the monitored sound colour and affect the precision of stereo imaging. The level of the direct sound relative to the reverberant sound progressively reduces as the distance to the monitor increases.

Critical distance

The critical distance is the distance where the direct sound from the monitor and the reverberant sound in the room have equal level in midrange frequencies (approximately between 200 Hz and 4 kHz). The critical distance is affected by the room volume, the room reverberation time (referred to ITU-R BS.1116-1 Recommendation), and the directivity of the monitor.

Reverberant sound dominates

At these distances the reverberant sound in the room has a higher level than the direct sound from the monitor. This balance progressively increases as the distance from the monitor increases. The monitor can be used in these distances, but the sound character is strongly affected by the reverberation characteristics of the room, and this has a progressively increasing effect on the sound colour and stereo imaging accuracy.

Factory and Headquarter

Genelec Oy
Olvitie 5
FI-74100 Iisalmi
Finland
T +358 17 83 881
genelec@genelec.com

USA

Genelec Inc.
7 Tech Circle
Natick MA 01760
USA
T +1 508 652 0900
genelec.usa@genelec.com

Sweden

Genelec Sverige
Box 5521
S-141 07 Kungens Kurva
Sweden
T +46 8 449 5220
info@genelec.com

China

Beijing Genelec Audio
Room 101, Building B33
Universal Business Park
No.10 Jiuxianqiao Road
Chaoyang District
Beijing 100015
China
T +86 10 5823 2014
T +86 400 700 1978
genelec.china@genelec.com

Genelec Document BBAGE167b.
Copyright Genelec Oy 6.2021.
All data subject to change.

Detailed Datasheets of all Genelec models, Quick Setup,
Guides and other useful information can be downloaded at
www.genelec.com

GENELEC®