

# The three-way revolution continues

The new Genelec 8351  
Acoustically Coaxial  
SAM™ System



**GENELEC®**

# Unconventional design

**In response to the need for increasing the perfection of audio reproduction in small and acoustically challenging production environments, Genelec has taken a bold step in creating a monitoring system that lays the path to the future of monitor development. Introducing Genelec 8351 – a delightfully compact coaxial three-way active monitor.**

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## Common problems, Genelec solutions

The history of Genelec's products forms a 36-year continuum where inventions follow each other to create remarkable new products. The 8351, Genelec's compact coaxial three-way Smart Active Monitor (SAM™) is the latest link in this chain of innovations.

Professional audio customers repeatedly voice the dilemma of production work in ever smaller monitoring rooms, with tighter budgets, and increasing requirements for the highest audio quality. Constrained environments have uneven low frequency responses, increased sound colouration and large acoustical differences between rooms. Demand for accuracy of monitoring in these types of environments continues to rise. The 8351 delivers perfection in rooms of all sizes.

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## Extreme accuracy

The 8351 has a system frequency response from 32 Hz to 40 kHz and is capable of delivering 110 dB SPL at 1 meter through a combination of efficient, Genelec-designed Class D amplifiers for the bass and midrange drivers, and a discrete components Genelec-designed Class AB amplifier for the tweeter.

We have created something absolutely unique in monitoring: a three-way system with directivity control of a much larger conventional monitor system in a delightfully compact package. Genelec SAM technology integrates the 8351 into the listening environment by automatically compensating for detrimental room influences. SAM technology enables computer controlled, flexible networked monitors and subwoofers that can be aligned and adjusted for level, time-of-flight, and room response compensations.

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## Compact size

In 2010 when the 8260 was introduced – based on many requests for a new three-way system – Genelec understood an additional need for an even smaller three-way system, while maintaining the outstanding performance achievements of the 8260. The 8351 borrows its size from the 8050. With external dimensions of 452 x 287 x 278 mm (17 ¾ x 11 ⅓ x 11 in), the 8351 is surprisingly compact.

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## Pioneering technology Made in Finland

Genelec engineers are committed to delivering performance-driven, neutral sounding monitoring solutions for the professional audio market. The 8351 is a remarkable achievement in monitoring system design. The electronics, amplifier circuitry, drivers and system configuration are entirely designed and built in the Genelec factory in Finland.



- 01 **Minimum Diffraction Enclosure (MDE™)** eliminates colouration.
- 02 **Dual woofers** extend the directivity control.
- 03 **Minimum Diffraction Coaxial (MDC™)** driver combined with dual acoustically coaxial woofers provides superior imaging.
- 04 **MaxDCW™.** Entire enclosure front works as the waveguide.










- 05 **Acoustically Concealed Woofers (ACW™)** enable compact enclosure size.
- 06 **Sustainability and green values.** Efficient use of material, low energy consumption and longevity.
- 07 **Free Orientation.** Optimum performance in both horizontal and vertical position. Versatile mounting options.

## Features and benefits

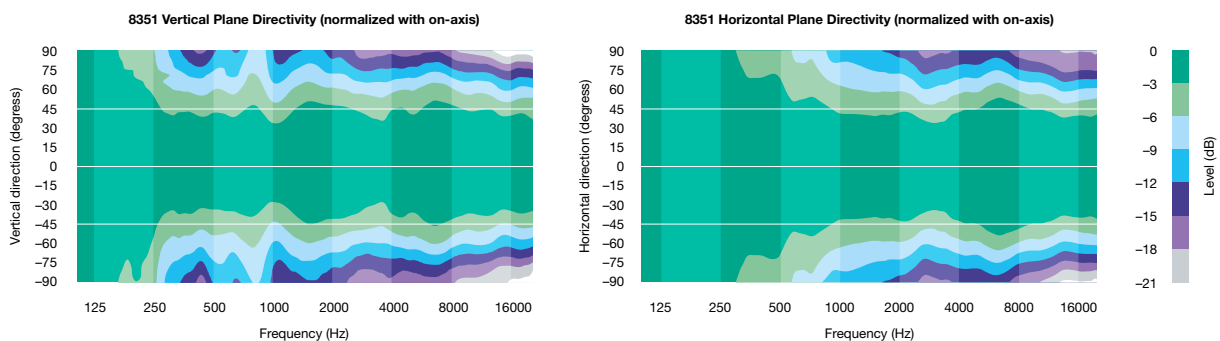
- Space efficient size and design allow for astounding acoustical performance in various user environments.
- Acoustically Concealed Woofers (ACW™) technology represents a new breakthrough in electroacoustic design.
- Maximised Directivity Control Waveguide (MaxDCW™) produces controlled directivity over a very wide bandwidth.
- Dual woofer design extends directivity control also to bass frequencies.
- Equally perfect performance in both vertical and horizontal orientations.
- Elegant and minimalistic industrial design combining function and aesthetics.
- Genelec Loudspeaker Manager (GLM™) computer control allows for repeatable, consistent performance over flexible proprietary network.
- Genelec AutoCal™ measures the response in the listening area and applies relevant compensation to minimize the room's acoustical influences.
- Genelec quality and reliability ensures long term investments and outstanding audio quality.

## Technical specifications

### 8351

 110 dB <sup>1</sup>	 490 Hz and 2.6 kHz	 H 452 x W 287 x D 278 mm H 17 ¾ x W 11 ½ x D 11 in (with Iso-pod)
 32 Hz – 40 kHz (-6 dB)	 2 x oval woofers 215 x 100 mm (8 ½ x 4 in), coaxial driver with midrange 130 mm (5 in) + tweeter 19 mm (¾ in) + DCW™	 19 kg / 42 lb
 ± 1.5 dB (38 Hz - 21 kHz)	 Woofers 150 W (Class D), midrange 120 W (Class D), tweeter 90 W (Class AB)	 1 x XLR analogue input 2 x XLR AES/EBU input / output 2 x RJ45 control network

<sup>1</sup> Maximum short term sine wave sound pressure level averaged from 100 Hz to 3 kHz, measured in half space, on-axis, at 1 meter.



**GENELEC®**

**Genelec Oy**  
Olvitie 5  
FI-74100 Iisalmi  
Finland

T +358 17 83 881  
F +358 17 81 2267

genelec@genelec.com  
www.genelec.com