

# Classic Active Monitoring Series

Catalogue 2018



**GENELEC<sup>®</sup>**

the sonic reference

# 8000 Series

## DCW™ Directivity Control Waveguide

The revolutionary DCW provides extremely accurate control of the on- and off-axis response over a wide bandwidth. The result is a wide and consistent listening window, minimising harmful early room reflections.

## MDE™ Minimum Diffraction Enclosure

Genelec's highly innovative curved enclosure featuring rounded edges eliminates sound colouration to increase reproduction accuracy.

## High Performance Reflex Port Design

Genelec's ingenious long and curved reflex port extends low frequency response and sound pressure level capacity, also allowing deep bass reproduction without compression. The wide flare termination minimises port noises and provides excellent bass articulation.

## Light Footprint

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

## Exceptional Driver Technology

Advanced driver designs provide minimised distortion, smooth response and high reliability. Careful crossover filtering provides smooth transition between drivers leading to improved resolution and less listening fatigue.

## ISS™ Intelligent Signal Sensing

The ISS circuitry switches the system to standby when no audio input is detected, saving power and money.

## Quality and Industrial Design

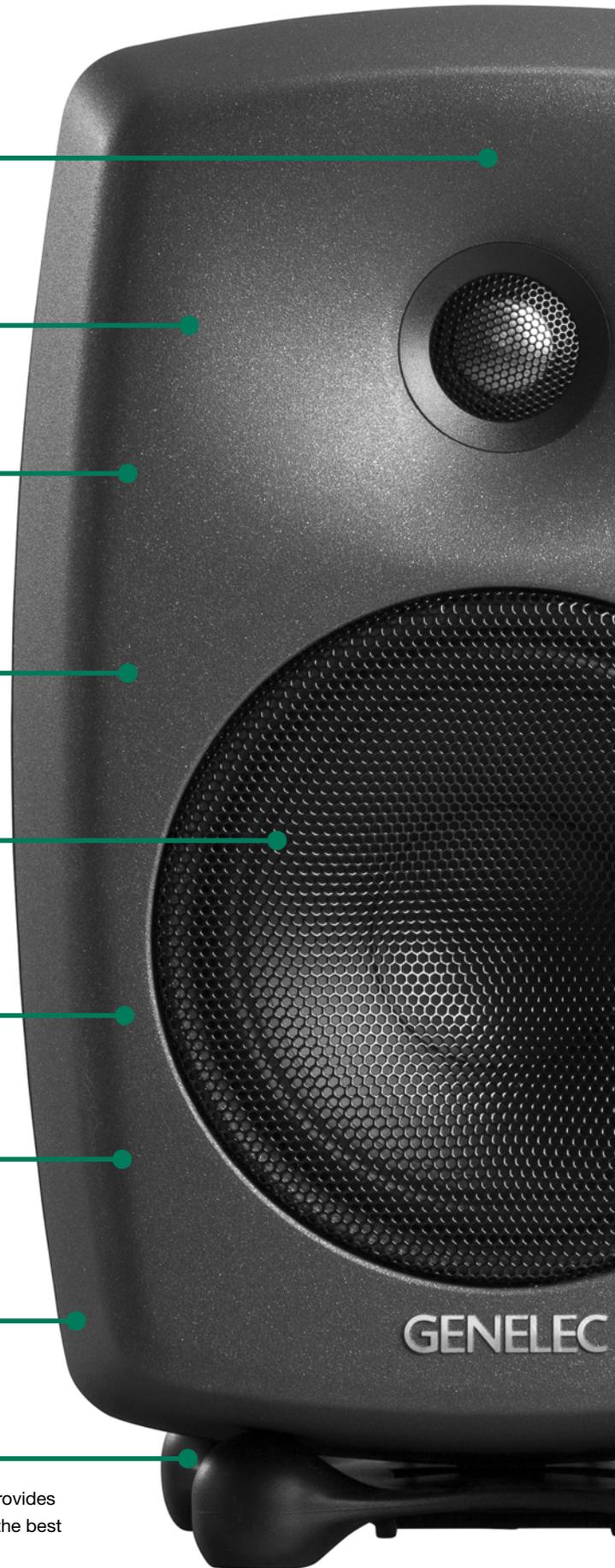
Genelec quality and reliability ensure long term investments and outstanding audio quality. Elegant and minimalistic industrial design combines function and aesthetics.

## Versatile Mounting Options

Solutions for all possible application requirements for floor, wall or ceiling installations.

## Iso-Pod™ Stand

Vibration decoupling Iso-Pod™ stand improves sound image definition. It provides adjustable tilt to precisely direct the acoustical axis towards the listener for the best sound reproduction.



# Classic Studio Monitors



## 8010A

<b>Maximum sound pressure level<sup>1</sup></b>	96 dB
<b>Free field frequency response</b>	67 Hz – 25 kHz (-6 dB)
<b>Accuracy of frequency response</b>	± 2.5 dB (74 Hz – 20 kHz)
<b>Drivers</b>	Woofer 3 inch + Tweeter 3/4 inch metal dome + DCW™
<b>Amplifier power per channel</b>	Woofer 25 W + Tweeter 25 W
<b>Dimensions H x W x D</b>	195 x 121 x 116 mm, 7 <sup>11</sup> / <sub>16</sub> x 4 <sup>3</sup> / <sub>4</sub> x 4 <sup>1</sup> / <sub>2</sub> inch, with Iso-Pod™
<b>Weight</b>	1.5 kg / 3.3 lb
<b>Connectors</b>	1 x XLR analog input



## 8020D

<b>Maximum sound pressure level<sup>1</sup></b>	100 dB
<b>Free field frequency response</b>	56 Hz – 25 kHz (-6 dB)
<b>Accuracy of frequency response</b>	± 2.5 dB (62 Hz – 20 kHz)
<b>Drivers</b>	Woofer 4 inch + Tweeter 3/4 inch metal dome + DCW™
<b>Amplifier power per channel</b>	Woofer 50 W + Tweeter 50 W
<b>Dimensions H x W x D</b>	242 x 151 x 142 mm, 9 <sup>1</sup> / <sub>2</sub> x 6 x 5 <sup>5</sup> / <sub>8</sub> inch, with Iso-Pod™
<b>Weight</b>	3.2 kg / 7.0 lb
<b>Connectors</b>	1 x XLR analog input



## 8030C

<b>Maximum sound pressure level<sup>1</sup></b>	104 dB
<b>Free field frequency response</b>	47 Hz – 25 kHz (-6 dB)
<b>Accuracy of frequency response</b>	± 2 dB (54 Hz – 20 kHz)
<b>Drivers</b>	Woofer 5 inch + Tweeter 3/4 inch metal dome + DCW™
<b>Amplifier power per channel</b>	Woofer 50 W + Tweeter 50 W
<b>Dimensions H x W x D</b>	299 x 189 x 178 mm, 11 <sup>13</sup> / <sub>16</sub> x 7 <sup>7</sup> / <sub>16</sub> x 7 <sup>1</sup> / <sub>16</sub> inch, with Iso-Pod™
<b>Weight</b>	5.0 kg / 11 lb
<b>Connectors</b>	1 x XLR analog input

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

# Classic Studio Monitors



## 8040B

<b>Maximum sound pressure level<sup>1</sup></b>	105 dB
<b>Free field frequency response</b>	41 Hz – 25 kHz (-6 dB)
<b>Accuracy of frequency response</b>	± 2 dB (48 Hz – 20 kHz)
<b>Drivers</b>	Woofer 6 1/2 inch + Tweeter 3/4 inch metal dome + DCW™
<b>Amplifier power per channel</b>	Woofer 90 W + Tweeter 90 W
<b>Dimensions H x W x D</b>	365 x 237 x 223 mm, 14 <sup>3</sup> / <sub>8</sub> x 9 <sup>3</sup> / <sub>8</sub> x 8 <sup>13</sup> / <sub>16</sub> inch, with Iso-Pod™
<b>Weight</b>	9.4 kg / 20.7 lb
<b>Connectors</b>	1 x XLR analog input



## 8050B

<b>Maximum sound pressure level<sup>1</sup></b>	110 dB
<b>Free field frequency response</b>	32 Hz – 25 kHz (-6 dB)
<b>Accuracy of frequency response</b>	± 2 dB (38 Hz – 20 kHz)
<b>Drivers</b>	Woofer 8 inch + Tweeter 1 inch metal dome + DCW™
<b>Amplifier power per channel</b>	Woofer 150 W + Tweeter 120 W
<b>Dimensions H x W x D</b>	452 x 286 x 278 mm, 17 <sup>13</sup> / <sub>16</sub> x 11 <sup>1</sup> / <sub>4</sub> x 10 <sup>15</sup> / <sub>16</sub> inch, with Iso-Pod™
<b>Weight</b>	14.4 kg / 31.7 lb
<b>Connectors</b>	1 x XLR analog input

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

# Subwoofer Series

## LSE™ Laminar Spiral Enclosure

The innovative, patented laminar spiral design provides extended low frequency performance, accurate tonal characteristics reproduction and high dynamic capabilities.

## Bass Management System

Comprehensive, cost-effective bass management system handles stereo and multichannel low frequency content. The subwoofer extends the low frequency response while main monitors can produce higher maximum sound level.

## Quiet and Capable Electronics

Bespoke active electronic design for low noise, low distortion, high power, and reliable control of the acoustic system.

## Room Response Compensation

Extended set of room response compensation filters allow for increased in-room calibration precision and optimum integration of the subwoofer in the production environment.

## ISS™ Intelligent Signal Sensing

Like all Genelec Classic monitors, every subwoofer features Genelec ISS, which switches the system to standby when no audio input is detected, saving power and money.

## Guaranteed Performance

Every single Classic monitor and subwoofer is factory calibrated and fully evaluated for acoustic performance guaranteeing perfect similarity between products and consistent high performance.

## Quality and Industrial Design

Genelec quality and reliability ensures long term investments and outstanding audio quality. Elegant and minimalistic industrial design combines function and aesthetics.



# Classic Studio Subwoofers



## 7040A

<b>Maximum sound pressure level<sup>2</sup></b>	100 dB
<b>Free field frequency response</b>	30 Hz–85 Hz (-6 dB)
<b>Drivers</b>	6 1/2 inch
<b>Amplifier power</b>	50 W
<b>Dimensions H x W x D</b>	410 x 350 x 205 mm, 16 <sup>1</sup> / <sub>8</sub> x 13 <sup>3</sup> / <sub>4</sub> x 8 <sup>1</sup> / <sub>8</sub> inch
<b>Weight</b>	11.3 kg / 25 lb
<b>Connectors</b>	2 x XLR analog inputs, 2 x XLR analog outputs

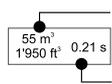
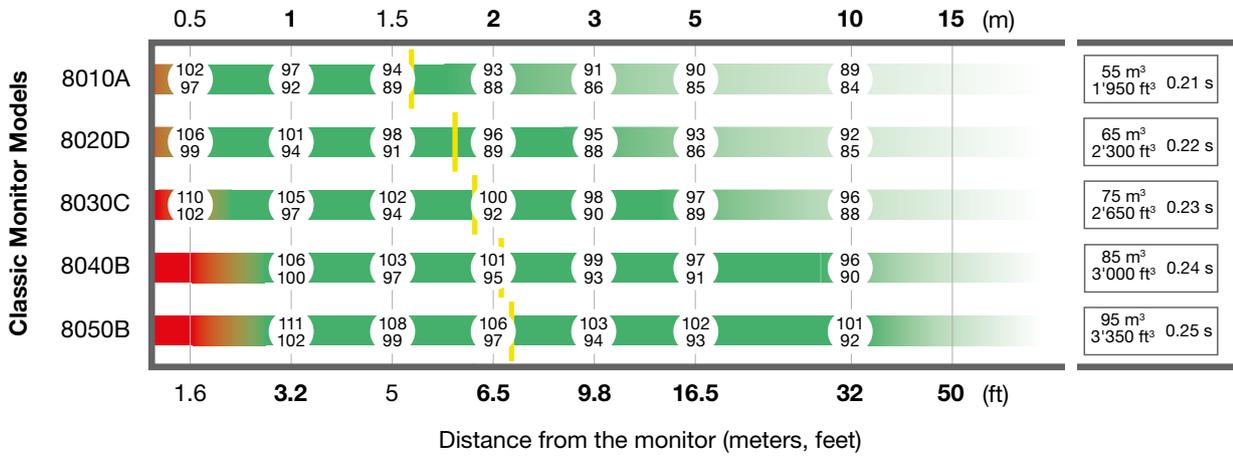


## 7050C

<b>Maximum sound pressure level<sup>2</sup></b>	103 dB
<b>Free field frequency response</b>	Main channels 24 Hz–85 Hz (-6 dB) LFE channel 24 Hz–120 Hz (-6 dB)
<b>Drivers</b>	8 inch
<b>Amplifier power</b>	130 W
<b>Dimensions H x W x D</b>	410 x 350 x 319 mm, 16 <sup>1</sup> / <sub>8</sub> x 13 <sup>3</sup> / <sub>4</sub> x 12 <sup>9</sup> / <sub>16</sub> inch
<b>Weight</b>	17.3 kg / 38.1 lb
<b>Connectors</b>	5.1 XLR analog inputs, 5 x XLR analog outputs

<sup>2</sup>) Maximum short term sine wave sound pressure level averaged from 30 to 85 Hz, measured in half space at 1 meter. Peak levels are higher.

# 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.

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.



**Critical Distance**

This is the distance where the direct sound from the monitor and the reverberant sound in the room have equal level at midrange frequencies. The critical distance is affected by the directivity of the monitor, the room volume and reverberation time.

# Innovative Technologies

## Genelec Classic Active Monitoring Systems



### **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 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.



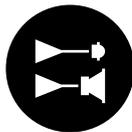
### **Bass Management System**

Bass Management System handles multichannel low frequency content.



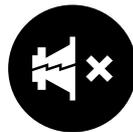
### **Intelligent Signal Sensing (ISS™) Technology**

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



### **Optimized Amplifiers**

Each transducer is driven by its own optimized amplifier.



### **Protection Circuitry**

Sophisticated drive unit protection circuitry for safe operation.



### **Room Response Compensation**

Precise room response compensation for optimizing in-room performance.

Genelec Classic Monitors feature DIP switches for compensation of effects on the frequency response caused by the room and placement of the monitors. 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 in a complementary brochure and at [www.genelec.com](http://www.genelec.com)



# GENELEC®

the sonic reference since 1978

## Precision tools for professional use

Genelec offers a huge range of monitors for the most challenging audio applications. Truthful sound, reliability, long product life, long lasting spare part support, low energy consumption and sustainable production methods come as standard with all of our monitors.

As precision tools for professional use, Genelec's Classic Series monitors and subwoofers embody decades of engineering expertise, meaning you'll hear the music, not the monitor. A reference point for audio professionals the world over, the active monitors and subwoofers of the Genelec Classic Series remain the chosen solution of many of the world's most demanding studios.

To understand why, you need only listen. Every Classic Series monitor is engineered to deliver an uncompromisingly flat frequency response, from the elimination of diffractions and control

of the sound directivity – courtesy of the Directivity Control Waveguide (DCW™) – to the flow-optimised reflex tube design. Meanwhile, at the low end, Genelec's Classic subwoofers are constructed around the patented Laminar Spiral Enclosure (LSE™) principle, resulting in articulate and dynamic low frequency reproduction.

The result of decades of refinement and upgrades, the Genelec Classic Series models made with pride and care by our own production staff in Finland are the tools to which audio experts turn for truly reliable monitoring.

Visit [www.genelec.com](http://www.genelec.com) to view our full and comprehensive monitor selection guide, mounting accessories, technical papers, training programs and much more.

**GENELEC<sup>®</sup>**  
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