Extended Performance. Ultra-Compact Subwoofer.

Genelec 7040
Active subwoofer

GENELEC®

Common issues, Genelec solution

The 7040 is an ultra-compact subwoofer solution designed around Genelec proven Laminar Spiral Enclosure (LSE™) technology, enabling accurate sound reproduction and precise monitoring of low frequency content. The Genelec 7040 active subwoofer has been developed to complement Genelec 8010, 8020 and M030 active monitors. Such a monitoring system enables work at a professional quality level in typical small rooms, or not purpose-built monitoring environments, for music creation and sound design, as well as audio and video productions.

Low frequency accuracy

To achieve a high sound pressure level an essential property of a subwoofer is its capacity to move high volumes of air without distortion. This presents challenges to woofer and reflex port designs. The solution is Genelec's patented Laminar Spiral Enclosure (LSE™). It is a result of more than 10 years of continuous research of research work and manufacturing experience.

The 7040 active subwoofer can produce 100 dB of sound pressure level (SPL) using a 6 ½ inch woofer and a powerful Genelec-designed Class D amplifier. At the lowest frequencies this SPL is radiated from the bass reflex port, implying large volumes of air movement through it. The 7040 LSE enclosure is made from a spiral-shaped strip of steel, providing maximal mechanical stability for the large pressures generated inside the subwoofer. The spiral forms the bass reflex port as well, enabling linear air flow also at the highest SPL outputs. This flow-optimized construction provides extended low frequency capacity and low distortion resulting in precise bass articulation.

Compact performance

Small rooms have limited floor space. Genelec engineers have optimised the 7040 subwoofer enclosure with this in mind. With external dimensions of 410 x 350 x 205 mm (16 ⅛ x 13 ¾ x 8 ⅛ in) the Genelec 7040 subwoofer footprint is smaller than that of a small practice guitar amplifier and the subwoofer is narrow enough to fit in a 19 inch rack. All this while maintaining outstanding low frequency performance down to 30 Hz (–6 dB).

Portable flexibility

The design goal for the 7040 subwoofer was to develop a tool for professional, reliable, quality low frequency reproduction in a transportable package.

The 7040 subwoofer weighs a mere 11.3 kg (25 lb) and features a universal mains input voltage for easy international connectivity. The two balanced XLR inputs and bass managed outputs, via an 85 Hz crossover, enable seamless extension with the main monitors. Calibration of the Genelec 7040 subwoofer to the listening environment is done using DIP switches located on the subwoofer connector panel. These controls address typical monitoring placement configurations.

An optional carry bag allows professionals to work on the move, with portable recording devices and in improvised monitoring spaces with an accurate and flexible monitoring tool.

Pioneering technology – Made in Finland

Since its founding Genelec design philosophy is based on sustainable development and environmental values, aiming to deliver performance-driven, tonally neutral monitor and subwoofer systems for audio professionals. Conservation of natural resources and efficient use of materials and energy as well as long product lifetime are essential to us.

The Genelec 7040 subwoofer packs the most modern technology and the highest performance in an extremely compact package. All electronics, amplifier circuitry, drivers and enclosure are designed, assembled, tested and individually calibrated in the Genelec factory in Finland.

01 **Laminar Spiral Enclosure (LSE™)** design provides extended low frequency performance.

02 **Genelec-designed Class D amplifier** technology provides high SPL with very low distortion.

03 **Very small footprint** is ideal in compact production environments.

04 **Perfect subwoofer** system for Genelec 8010 active monitors.

05 **Universal mains input voltage** allows easy world-wide connectivity to mains power.

06 **Phase matching and Bass Roll-Off control** enable calibration to all acoustic spaces.

07 **Sustainability and green values.** Efficient use of materials, low energy consumption and extremely long life time by design.

Features and benefits

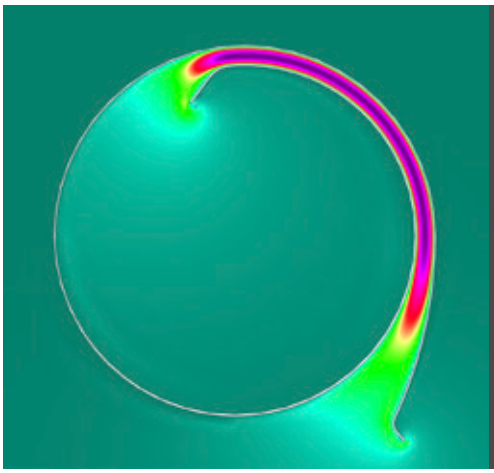
- Compact enclosure with optimized design allows for accurate sound reproduction even in small-sized environments.
- Patented Laminar Spiral Enclosure (LSE™) extends low frequency output with precise bass articulation and very low distortion.
- Class D amplifier technology designed and manufactured by Genelec provides high SPL, high reliability with very low distortion.
- Universal mains input voltage allows use anywhere in the world.
- Two balanced XLR inputs and outputs enable easy connectivity to Genelec 8010, 8020, and M030 active monitors.
- Power consumption savings thanks to Genelec Intelligent Signal Sensing (ISS™) circuitry which switches the subwoofer to standby when no audio input is detected.
- Inventive and minimalistic industrial design for efficient enclosure footprint.
- Genelec quality and reliability ensure a long term security of investment, low energy consumption, and outstanding audio quality.

Technical specifications
7040

100 dB[1]	85 Hz	H 410 x W 350 x D 205 mm H 16 1/8 x W 13 ¾ x D 8 1/8 in
30 Hz – 90 Hz (-6 dB)	Woofer 165 mm (6 ½ in)	11.3 kg / 25 lb
± 3 dB (33 Hz - 85 Hz)	Amplifier 50 W (Class D)	2 x XLR analogue inputs 2 x XLR analogue outputs

1 Maximum short term sine wave sound pressure level averaged from 40 to 85 Hz, measured in half space at 1 meter.

Genelec patented Laminar Spiral Enclosure (LSE™) turbulence-free reflex port design provides extended low frequency performance with minimum distortion.



Genelec 7040A connector panel.

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