



P 110
O 110
O 110 D

Near-Field Monitors



O 110 D Active studio monitor for digital audio processing. The O 110 D meets all the requirements of the digital age. Offering digital inputs in AES/EBU and S/P-DIF format, it eliminates the need for external D/A converters at audio workstations or mixing consoles. The integrated D/A converter has a 24 Bit resolution and accepts sampling rates from 32 to 96 kHz. Its analog input is electronically balanced, while the AES/EBU input features a high-quality transformer. This professional near-field monitor is the perfect solution for small digital studios, offering unbeatable neutral reproduction and accuracy across the entire sound spectrum, and a precision of bass reproduction up to 56 Hz which compares favorably to much larger systems.

O 110 Active studio monitor. The O 110 near-field monitor brings true impulse response and superior flat-frequency response especially into smaller listening environments and studios—ideal for acoustically imperfect rooms as well. The switchable 8-way room-matching options can go a long way toward compensating for unwanted room responses. Other features include specially designed, compatible loudspeaker chassis, high-performance amplifier with active frequency equalizer as well as a modern enclosure made of the resonance-damping composite material LRIM.

P 110 Passive studio monitor. This compact, passive 2-way near-field studio monitor is best suited to small spaces. The P 110 provides amazingly precise bass reproduction for its size down to 72 Hz (–3 dB). The homogenous LRIM enclosure guarantees an optimal waveguide and perfect dispersion patterns. The high quality components and the specially constructed interior prevent standing waves, and partial coloration is almost completely eliminated. The result is extremely low-distortion, absolutely natural sound reproduction. Additionally, there are four placement options available, allowing you to place the P 110 in a variety of locations. It is also an excellent value-for-money choice for surround-sound applications.

The following features apply to all three monitors:

Use of high-quality loudspeaker

- Woofer with composite sandwich membrane to eliminate partial colorations
- Exceptionally low-distortion bass reproduction via extremely long excursion
- Reduced distortion in mid-range via flux-compensation in woofer
- Brilliant, low-distortion high-range reproduction via powerful 1" titanium fabric dome

Unconventional enclosure

- Highly compact homogenous enclosure
- Avoidance of resonant colorations via LRIM (Low Resonance Integral Moulding)
- Low-compression bass reproduction via generously proportioned bass reflex channels
- Acoustic centers of the loudspeaker on one plane
- Reduction of standing waves via non-parallel cabinet interior
- Absolutely homogenous baffle, with no diffraction or fastening elements
- Modern design
- Numerous placement options
- Removable woofer grille
- Standard colors are anthracite and white, other colors optional
- Magnetically shielded

O 110 and O 110 D Active Studio Monitors

- Integrated, switchable electronic limiter (non-VCA)
- Soft: practically non audible limiter
- Hard: clearly audible switch in protective mode
- Active phase frequency equalizer with 24 dB/oct.
- Power and overload display integrated into logo
- 2 x 4 steps room adaptation for different locations
- Optional high-quality transformer-balanced floating input (O 110 only)
- Highly insensitive to EMI interference

O 110 D

- Integrated digital/analog converter with 24 Bit resolution and sampling rates from 32 to 96 kHz



O 110 D



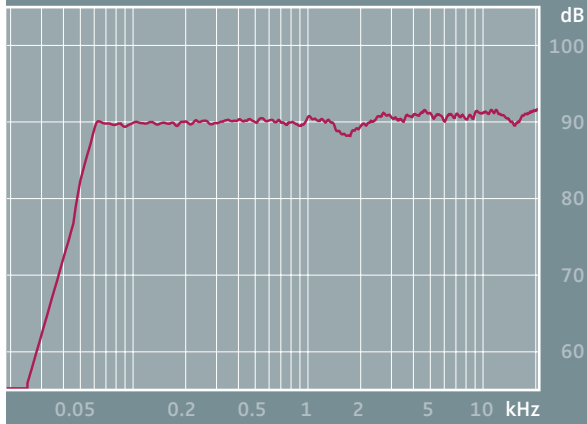
O 110

P 110 Passive Studio Monitor

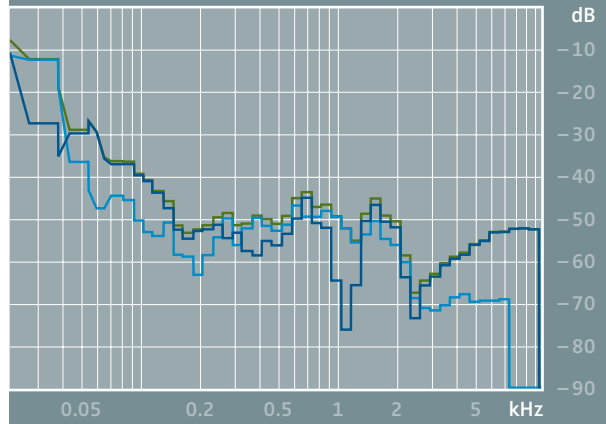
- with complete distortion-minimisation
- Integrated high-frequency cut-off switch
- Phase frequency equalizer at 18 dB/oct.
- Four placement options for different locations
- Versatile connection options via speakon and standard terminals



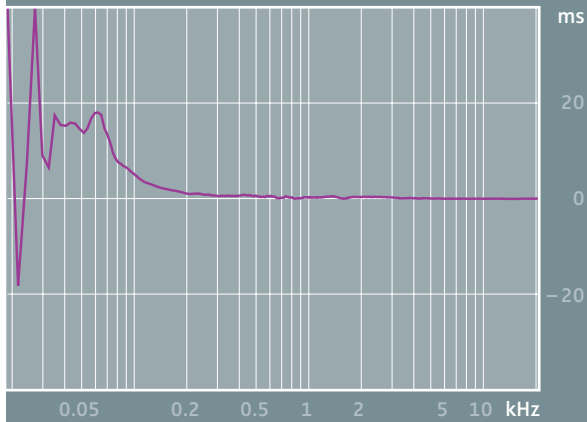
Frequency response O 110



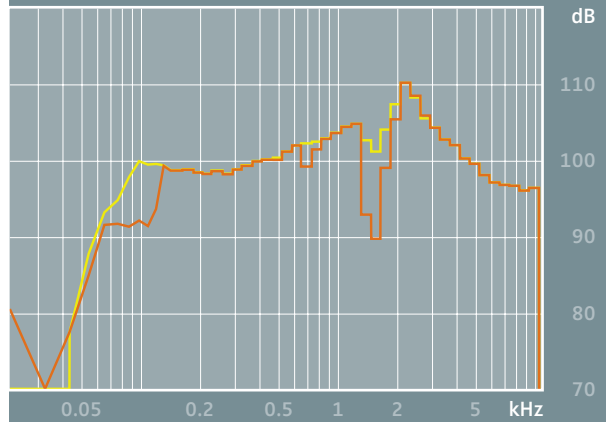
THD O 110 at 95 dB/SOL in 1 m



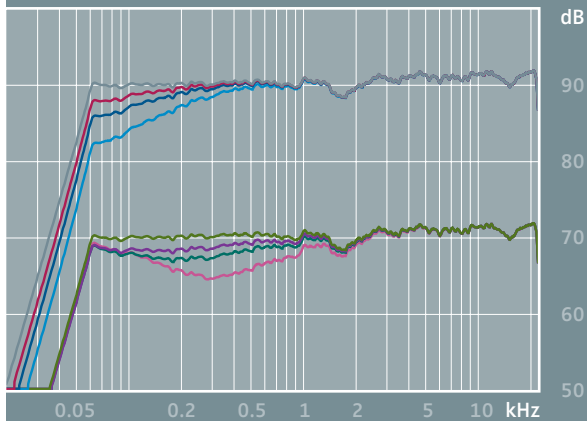
Group delay O 110



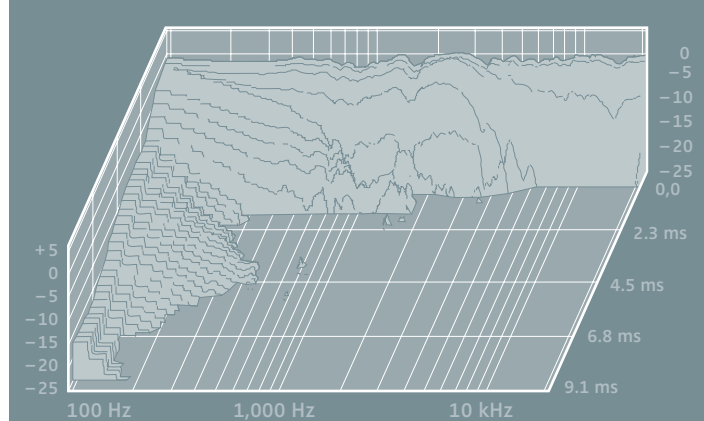
Max. SPL O 110 in 1 m at 1% and 3% THD



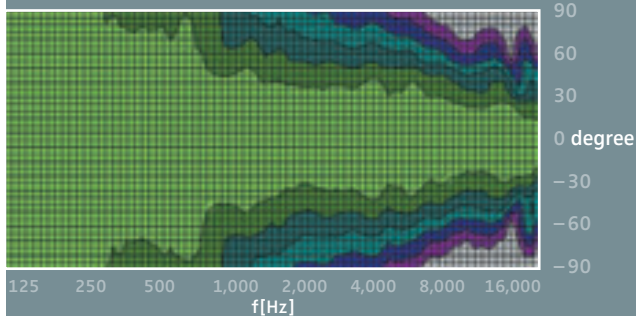
Room compensation O 110 EQ: mid, bass



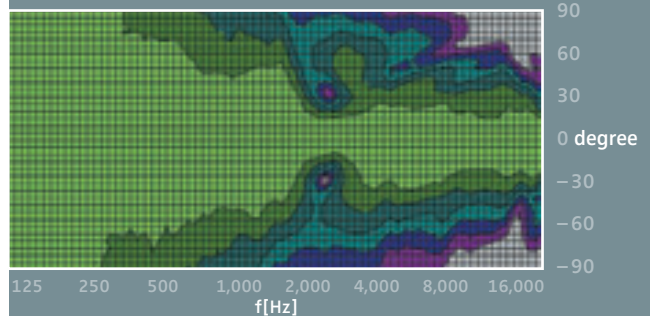
Cumulative spectral decay O 110



Horizontal directivity O 110



Vertical directivity O 110



0 to 3 -3 to 0 -6 to -3 -9 to -6 -12 to -9 -15 to -12 -18 to -15 -21 to -18
Decrease of SPL (dB)