

Dual-active High-End studio monitor **[:monolog]**

Characteristics: Time-Alignment, phase coherence, 0 order cross-over, infrasonic playback



Zitat von Fritz Fey, Studio Magazin 10/06

"Mit dem [:monolog]-System gibt uns der Hersteller surrounTec ein untrügliches Arbeitsmittel in die Hand, das man ohne schlechtes Gewissen als Abhörreferenz bezeichnen darf. [...] Dieses Produkt muss den Vergleich mit den feinsten Mastering-Abhörsystemen des Weltmarktes in keinster Weise scheuen. Dieser Studiomonitor sucht seinesgleichen."

[:monolog] is our analog reference-tool for professionals. It is designed for demanding mastering applications. Despite its height of over 1.50m it presents a large one point sound source with a frequency response from infrasonic up to over 60Khz. This 3way monitor is absolutely neutral and without any distortions. The frequency shifts linear from low levels up to high levels without alterations.

A special feature of the surrounTec [:monolog] is the *phase coherent* playback in combination with the ideal mechanical *Time-Alignment* of the installed drivers. The result is a perfect step response (all drivers start at the same time at the same place with an identical rising edge). This means not only that all drivers radiate all frequencies from the same place at the same time but also that *the phase remains constant through the full acoustic spectrum*. This is archived through our surrounTec 0 order adjustment section (→ read all about it in our manufactory section). This concept means that the system plays fully free and without classically fixed cross-over frequencies (including the tweeter). All frequencies add themselves perfectly at any given time.

The main attributes of every [:monolog] are unmatched stress less and effortless listening at any level, ultra neutral and unaltered audio reproduction with precise bass without any overlay effect down to infrasonic playback. This results in true holographic transients. You will not miss bass, overtones nor corporeity The full frequency response is available at all levels.

[:monolog]Studio with 30mm ceramic tweeter (and thus identical diaphragm materials at all drivers resulting in identical characteristics in terms of speed and radiation properties) and class AB amplifier enables effortless playback from very loud to gentle music. From pianissimo to Callas, Stradivari to heavy metal – not a problem. The ideal main monitoring system for any production or post-production studio. [:monolog]Studio and [:ipon]HE as near field monitor together yield our reference mastering system.

[:monolog]HE with 30mm diamond tweeter and audiophile class AB amplifier is the reference in the studio sector. The largest one point sound source with a linear frequency response from infrasonic sound up to over 60KHz without any break-outs. Merciless resolution, transients and true holographic mapping. More precision and neutrality is not possible at the moment.

Model	[:monolog] Studio
Type	3way analog active D'Appolito studio monitor, phase locked, composed of [:mono]Studio and [:log]Studio, acoustically decoupled
Characteristics	Mechanical Time-Alignment Phase coherence Coincidental sound emitting Identical diaphragm materials at all drivers
Sound radiation	Up to 2dB deviation from the reference axis Horizontal: more than 45° to left & right Vertical: maximum 15° up and down
Frequency-response	Linear with meanderings + / 2dB between 40Hz to 40KHz F3=36Hz, Fmax.=>35kHz
Cross-over	Passive "surrounTec 0. Order adjustment section" without fixed cross-over frequencies (all drivers are driven full-range)
Sensitivity	92dB/1W/1m using 2.83V
Max. SPL	115dB/1m
Harmonic distortion	Upto 100dB <0,1% ; 115dB = 0,3%
Impedance	4Ohm
Loudspeakerchassis & drivers	30mm Accuton ceramic tweeter 2 x 7" Accuton ceramic sandwich midrange/bass 2 x 11" Accuton ceramic sandwich subwoofer
Amplification	[:mono] 200 watt analog class AB studio amplifier [:log] 500 watt analog class D amplifier
Input active	+6dBu, symmetrical XLR, Neutrik connector with silver-coated pins
Internal wiring	Completely in solid-core silver
Dimensions	310x660x1550mm (width x depth x height)
Weight	130 kg pro Kanal
Loudspeaker cabinets	Isoplate and cabinet made from MDF, multiple matrix bracings Ex works with matte white textured finish. Optional: Nextel® suede coating.
Included in delivery	Power cord: PowerCon/Schuko, length 2,5m Power cord: PowerCon/PowerCon, length 1m Solid-core silver link from [:mono] to [:log] Installation and measurement on-site
Warranty	Lifelong for the first owner, except burnt through voice coils or destroyed membranes

All technical specifications are subject to change without notice.