

Active high-end studio monitor **[:mono]**

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

Zitat von Ralf Christian Mayer, Tucan Studio

"An das fantastische Transientenverhalten musste ich mich erst gewöhnen. Wenn man langsame Boxen gewohnt ist muss man sich umstellen. Auf einer mittleren Lautstärke mischen bringt hammer Ergebnisse ohne die Ohren und Nerven zu stressen. Wobei Lautstärke auch kein Problem für die [:mono]s darstellt. Ich freu mich jeden Tag über diesen Lautsprecher in meinem Studio ... macht einfach auch Spass !"



[:mono] is a analog 2way D'Appolito tool for demanding monitoring applications. It is optimized for a ideal step response and thus a absolute distortion-free and neutral sound reproduction of medium to high frequencies.

A special feature of the new [:mono] is the *phase coherence* in combination with the ideal mechanical Time-Alignment of the installed drivers. This means not only that all drivers start at 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 surrounTec [:mono] is characterized through its high volume stability and precision even at medium frequencies. Speed, transients and three-dimensionality at a new dimension of sound reproduction. The horizontal sound radiation is construction-condition rather wide and yields a large sweet spot. Even when you leave the sweet pot area there will be no sound coloration at all. [:mono] can be used as full-range monitoring without hesitation. We recommend using the 8 pillar tripod [:column] made from steel with sand filling. Alternatively [:mono] can be supplemented with a [:log]TA module to a full [:monolog] 3way system.

[:mono]BC with 30mm ceramic tweeter and class D amplifier for mobile usage features multiple mounting options for a standing or hanging installation. The internal assembly is less audiophile and the monitor can sustain rougher treatment without concerns.

[:mono]Studio with 30mm ceramic tweeter and class AB amplifier was developed as main monitoring for production and post-production studios. Classic or pop – not a problem. The sound impression is unspectacular but neutral. [:mono] therefore is a reproduction tool and not a sound artist.

[:mono]HE with 30mm diamond tweeter and class AB amplifier is a chirurgical listening tool for demanding mastering studios or audiophile connoisseurs who don't want to accept a compromise. Forget your second pair of speakers, you won't need them anymore. [:mono] is the truth with a merciless resolution, transients and holographic mapping. All frequencies add themselves perfectly at any given time.

Model	[:mono]BC & Studio
Type	2way analog active D'Appolito monitor
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 45Hz to 25KHz F3=41Hz, 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 8" Accuton ceramic midrange/bass
Amplification	BC: 250 watt Class D amplifier Studio: 200 watt analog Class AB studio amplifier
Input active	+6dBu, symmetrical XLR
Internal wiring	BC: pure copper Studio: solid core silver
Dimensions	310x660x610mm (width x depth x height)
Weight	55 kg per channel
Loudspeaker cabinet	Isoplate and cabinet made from MDF, multiple matrix bracings Ex works with matte white textured finish. Optional: Nextel® suede coating. BC: with mounting options
Included in delivery	Power cord: PowerCon/Schuko, length 2,5m 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.