

Active High-End near field monitor **[:ipon]**

Characteristics: Time-Alignment, ideal voice reproduction



Zitat von Michael Nötges, Professional audio 7/Juli 2007

*"Als weitgehend kompromisslos sind das Gesamtkonzept der Konstruktion, sowie die Auswahl der verwendeten Materialien und Bauteile zu bezeichnen. Und kompromisslos ist auch das klangliche Ergebnis. Mit einem überragenden Impulsverhalten, analytischer Auflösung und präziser wie gleichermaßen natürlicher Wiedergabe zeigt sich der [:ipon] als leistungsstarkes Profiwerkzeug."*

[:ipon] is a analog mixing and mastering tool for demanding near field monitoring. It is optimized for holographic transients, extremely low harmonic distortion of less than 0.1% up to 90dB as well an ideal voice reproduction.

A special feature of the new [:ipon] is the mechanical *Time-Alignment* of the drivers acoustical centers. This means that all drivers radiate all frequencies from the same place at the same time. The step response is very close to being perfect: tweeter and midrange driver start at the same time on the same axes with the same rising edge.

The combination with a true D'Appolito design yields a transparent and rich on details room illustration. 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.

The frequency response is linear without break-outs. The reflex port measures 70/120mm and is directed to the ground so that no disruptive ascendancies in cramped premises will occur. With this near field monitor you will not have to make any compromises.

[:ipon] can be supplemented by any subwoofer. We recommend the usage of one active [:log] module. There are two monitor tripods available for [:ipon]: the motor driven [:base] and the 4 pillar tripod [:column] made from steel with sand-filling. We gladly help you to find the best solution for you.

[:ipon]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.

[:ipon]Studio with 30mm ceramic tweeter was developed for near field monitoring in difficult rooms and in conjunction with medium size mixing consoles. Wherever you move your ears: the sound impression will always remain the same.

[:ipon]HE (also called „the scalpel“) with 30mm diamond tweeter, class AB amplifier and surrounTec 0 order adjustment section discloses every detail. The frequency response reaches above 60 KHz without a cross-over with fixed cross-over frequencies – all drivers play full-range (including the tweeter). All frequencies add themselves perfectly at any given time. Pure precision and neutrality.

Model	BC & Studio
Type	2way analog active D'Appolito near field monitor
Characteristics	Mechanical Time-Alignment 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 50Hz to 25KHz F3=43Hz, Fmax.=>35kHz
Cross-over	Passive High-End Mundorf 1 <sup>st</sup> order cross-over Cross-over frequency 2kHz
Sensitivity	90dB/1W/1m using 2.83V
Max. SPL	110dB/1m
Harmonic distortion	Upto 90dB <0.1%
Impedance	4Ohm
Loudspeakerchassis & drivers	30mm Accuton ceramic tweeter 2 x 7" 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	310x460x465mm (width x depth x height)
Weight	35 kg
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.*