



AEON2

NEARFIELD ACTIVE STUDIO MONITOR

APS monitors were introduced to Troy Germano at Germano Studios in early 2014 by one of the studios' engineers, Matthew Sim.

Germano Studios is one of the top recording and mixing facilities in the U.S. since its opening in 2008, clients include; <http://www.germanostudios.com/clientele>

Germano Acoustics was born from the many years at Germano Studios and from the 25 years of owning & operating The Hit Factory Recording Studios in New York, London and Miami.

Award winning studio design, via multiple TEC Awards, Studio Design Group is the vehicle for Troy's design of music studios around the world, www.studiodesigngroup.com These studios include Red Bull Studio Los Angeles, New York University Clive Davis Institute for Recorded Music, RG Studios Mexico, Samsung New York, Sony Studios London, The Hit Factory New York, The Hit Factory London, Criteria Studios Miami. Oversight of Abbey Road Studios London and Capitol Studios Hollywood for the Universal Music Group as well as private facilities for numerous artists & producers, give Troy a deep knowledge of what music creators need when recording & mixing their music.

The concept of developing a superior, self-powered near field monitor came to fruition after listening to the impressive APS AEON's during and the course of 2015. Germano Studios initially utilized the AEON's for 5.1 surround mixing with the APS SUB 10 subwoofer. The birth of the APS Germano Acoustics AEON II's was a direct result in our feeling that a transcendent, active 2-way near field could be developed from within the Germano Studios skill and APS years of sound excellence. This was an opportunity to design a smooth sounding speaker that all of our clients crave, that translates accurately from system-to-system. Active near field monitors that did not need a subwoofer and could again, co-exist with the top brands within any recording facility or listening environment. We believe that we have achieved this with the release of the AEON II after 18 months of development.

The APS Germano Acoustics AEON II gives music lovers a new, accurate active near field monitor designed for today's modern production needs - a monitoring system that we are proud to introduce to our friends around the world.

TECHNICAL SPECIFICATIONS

Near Field Monitor	
Type	Active – two power amplifiers – AB class
System	Two-way
Crossover Frequency	2.7 kHz
Dimensions: Height □ Width □ Depth	37 cm x 22 cm x 35 cm/ 14.5" x 8.6" x 13.8"
Free Field Frequency Response	+/- 2 dB: 38 Hz - 33 kHz
SPL in Free Field @ 1m	RMS: 104 dB (single – bass active) Peak: 112 dB (pair – bass active)
Weight (single)	15,2 kg / 34 lbs
Loudspeakers	
Bass/Mid-Range Loudspeaker	- 18 cm (7") Diaphragm: cellulose, surround: rubber
Tweeter Loudspeaker	- 1.9 cm (3/4") fabric dome (wide surround)
Amplifiers	
Bass/Mid-Range Power Amplifier	200 W RMS @ 4 □
Tweeter Power Amplifier	100 W RMS @ 6 □
THD Distortions	0.005 % – P _O = 5 W, f = 1 kHz. 1 % max – P _O = 0.1 up to 50 W, f = 20 Hz up to 20 kHz
Input Voltage Level for 96 dB SPL In Free Field @ 1m	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions
Calibrated Controls	
Input Sensitivity Switch	-10.5dB, -9dB, -7.5dB, -6dB, -4.5dB, -3dB, -1.5dB, 0dB
Tweeter Level Switch	-1.5 dB, 0 dB, +1.5 dB
Bass Control Switch	Active, Passive, Roll-off
Woofers Equalizer Switch at 80Hz	0.0 dB, -1.5 dB, 3.0 dB
Inputs and Outputs	
Input	Two types (common socket Combo): - XLR symmetrical (balanced) - TRS symmetrical (balanced) "6.3 mm" Input impedance 10 kW
„Loop Through” Output	XLR symmetrical Output impedance 100 W
Protections	
Power Amplifiers Protections	Thermal, short circuit and over-current limiters
Prevention from Interferences and Hums	GROUND-LIFT Switch
Signaling Devices	
Tweeter Loudspeaker Protection Switching On	Lit up logo – green LED
Bass/Mid-Range Loudspeaker Protection Switching On	Lit up logo – red LED

Chart below shows frequency response characteristics and phase response (thinner line). Measurements made in anechoic chamber from 1 meter distance. Peak at 40Hz is a result of anechoic chamber resonance.

