



Nearfield Monitor

A7



A7 - Nearfield Monitor

Description

The A7 is an active two way nearfield monitor matching the ART tweeter with a state of the art 6.5" woofer that introduces a new cone material (Rohacell/carbon fiber) which combines high rigidity and high internal damping with low weight, resulting in an extremely accurate monitor with all the clarity, detail and spectacular imaging traditionally associated with the ADAM name.

The ART (Accelerating Ribbon Technology) design is the most famous of ADAM's proprietary innovations. Whereas all other drive units moves air in a 1:1 ratio, this technology achieves an improvement in air loading by a factor of 4 over conventional transducers, resulting in an unprecedented clarity and pristine transient reproduction.

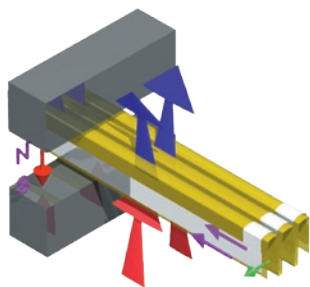


Fig. 1: The ART Principle

Powered by an internal linear DC power supply, the A7 is equipped with two Class A/B 50 W IC power amps (one per driver) with heat sinks on the rear of the cabinet. Also, they feature a limiting/short circuit protection with long-term thermal protection. The crossover network employs three cascaded 2nd-order Sallen-Key filter and a 4th-order highpass filter.

The front panel sports a power switch, a volume control, and an attractive blue LED. The rear panel houses controls for tweeter level and two shelving filters for high and low frequencies. The unit also features both balanced (XLR) and unbalanced (RCA) input connectors, allowing it to be used in almost any audio application.

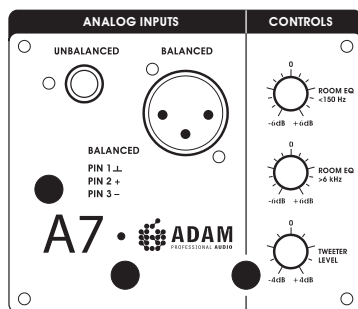


Fig. 2: A7 Backpanel

Tests

The A7 has been tested in many of the most prestigious magazines worldwide: a wealth of praise. This makes the A7 a likely candidate for the title of the best tested monitor around the globe. Some examples:

EQ Magazine, 10/2006

"It was **the high end**. [...] Even in a crowded field where the bar is set high, the ADAM A7 **sets the bar just that much higher.**"

MusicTech Magazine, November 2006

"Listening to the A7s for the first time is **an inspiring experience**. [...] the A7s **performed admirably.**"

Sound On Sound, 12/2006

"ADAM have **shaved the price but not the quality.**"

ProAudio Review, 04/2007

"Simply said, everything I heard during my A7 evaluations seemed to be **the truth and nothing but the truth**. [...] Therefore it is my opinion that constant seekers of acoustic truth who need a fairly affordable powered closefield monitor should give the A7 a try."

Mix, 01/2008

"[...] superaccurate, small speakers [...]. I think the A7s represent the new NS-10Ms, yet the A7s do a better job [...]. With their precise and clear sound, the A7s are hard to beat as stereo or surround monitors for small rooms."



Technical Data

Technical data	A7
Tweeter	ART Tweeter
Woofer	165 mm (6.5")
Woofer free air resonance	40 Hz
Woofer cone material	Rohacell / Carbonfibre sandwich
Built in amps:	2 x 50 W RMS
Frequ. response ±3dB	46 Hz - 35 kHz
THD >80Hz	≤1.5%
SPL max in 1m	≥105 dB SPL
Max. musical peak in 1m, per pair	≥115 dB SPL
Crossover frequency	2200 Hz
Inputs	balanced XLR + unbalanced RCA
Input impedance	10 kΩ
Weight	8 kg (17.6 lb)
Magnetical shielding	yes
Height x Width x Depth	330 x 185 x 280 mm (13" x 7" x 11")
Warranty	5 years

Shelve Filter

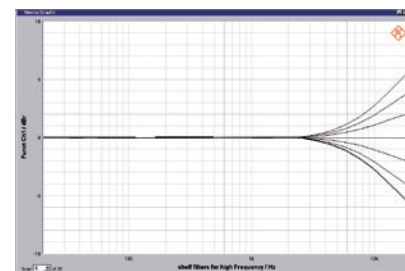


Fig. 3: EQ > 6kHz

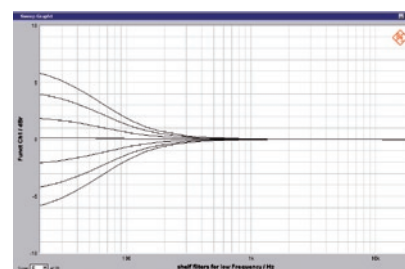


Fig. 4: EQ < 150 Hz