

Tiny footprint – huge sound!

The ADAM Audio System 1-10



With the continued growth of the small project studio, the demand has grown for compact monitoring systems capable of incredible accuracy while simultaneously delivering full range sonic reproduction. With that in mind, ADAM Audio combines the diminutive S1A (the smallest S-series monitor) in a package with their highly successful Sub10 subwoofer to bring you the state-of-the-art ADAM Audio System 1-10.

Intended for musicians, engineers and producers working in a restricted space, the System 1-10 boasts an incredible 25 Hz - 35 kHz frequency response. The system has a special bass management section built into the subwoofer, allowing it to be fine-tuned to any listening environment. The power and quality of the Sub10 subwoofer assures deep, full low-end reproduction, while the S1A satellite supplies the system with ADAM Audio's signature ART folded ribbon driver, yielding a smooth, crystal clear top end complimented perfectly by tight and accurate mids and low-mids from its 5" Hexacone driver.

In addition to the project studio, possible applications include post production/sound editing bays, DAW setups and mobile recording facilities. The ADAM Audio System 1-10 - guaranteed to set a new standard for 2.1 subwoofer/satellite setups.

ADAM System 1-10

S1A



Sub10



The S1 and S1A nearfield monitors are the smallest units using ADAM's Advanced Ribbon Technology. Equipped with a 5" HexaCone™ woofer and the A.R.T. tweeter, the active version starts reproduction at 40 Hz (-3 dB) and delivers astounding sonic performance, even with very complex material (typically a weak point with small monitors). Adding the airiness and accurate spatial information from the A.R.T. tweeter, the S1 and S1A are the premier choice for mobile recording facilities and DAW setups. Together with a subwoofer (Sub10), superb stereo or 5.1 monitoring can be obtained within a limited space.

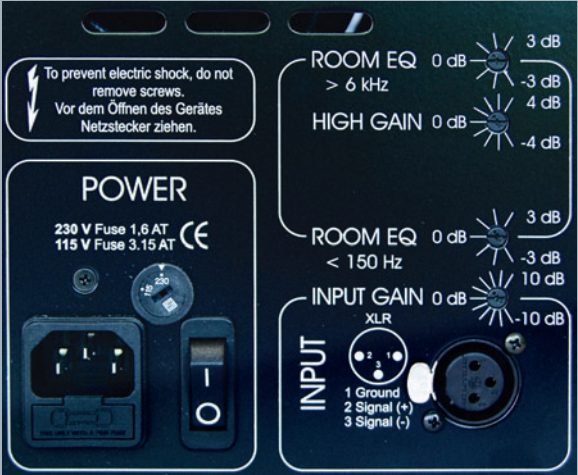
Technical data	S1A	Sub10
Woofer/Subwoofer	1	1
Basket ø	155mm (5")	260mm (10")
Free air resonance	48Hz	26Hz
Voive coil ø	25mm (1")	50mm (2")
Voive coil length	12mm	32mm
Pole plate	6mm	8mm
Cone material	HexaCone®	coated paper
A.R.T. Tweeter	1	•
Diaphragm area	71cm² (11in.²)	•
Equiv. diaphragm ø	95mm (3.7")	•
Velocity transformation ratio	4:1	•
Diaphragm weight	0,17g	•
Power handling sin/music	60W/100W	•
Efficiency (average)	86dB/W/m	•
Built in amps	2	1
Subwoofer (1/2)*	•	250W/300W
Woofer (1/2)*	80W/120W	•
Tweeter (1/2)*	80W/120W	•
Control panel		•
Volume	± 10dB	± 10dB
Tweeter level	± 4dB	•
Room EQ > 6kHz	± 6dB	•
Room EQ < 150Hz	± 6dB	•
General Data		
Frequency response ± 3dB	40Hz - 35kHz	25Hz - 150Hz
THD > 80Hz	≤ 1,5%	≤ 0,5%
SPL max in 1m	≥ 103dB	≥ 115dB
Crossover frequencies	2200Hz	var. 50-150Hz
Input impedance	10kΩ	10 kΩ
Weight	8kg	42kg
Magnetic shielding	yes	no
Width x Height x Depth	170x300x260mm	300x500x400mm
Net volume	7.4 l	106.8 l
Warranty	2 years	2 years

*1 = long term IEC 265-8-Wrms / 10 min
*2 = nominal IEC 265-8 = Peak Power 5 µsec

Very low frequencies can be reproduced with the Sub10 subwoofer. A special long throw 26 cm bass unit is tuned in a bass reflex enclosure to a corner frequency of 23 Hz (-3 dB) and combined with a 200 W rms power amplifier to deliver an impressive low end without boominess or compression. With a larger cabinet volume, extended low frequency response is possible with less equalization, thereby placing less taxing power demands on the amplifier and enabling more natural and acoustically convincing performance.

The amplifier comes with both RCA and balanced XLR connectors. In order to adapt the Sub10 to different satellite loudspeakers, it is possible to limit the high frequency output of the subwoofer with the variable low pass filter, and to independently roll off the low frequency output of the satellites using a variable high pass filter. To make these crossovers as musical as possible, we have used variable frequency 24 dB/octave Linkwitz-Riley filters.

S1A back panel



Sub10 back panel

