

Studer A1

Active Close Field Monitor



STUDER
professional audio equipment

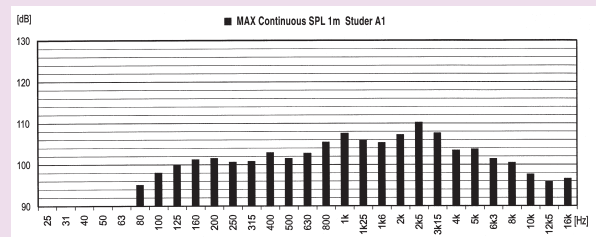
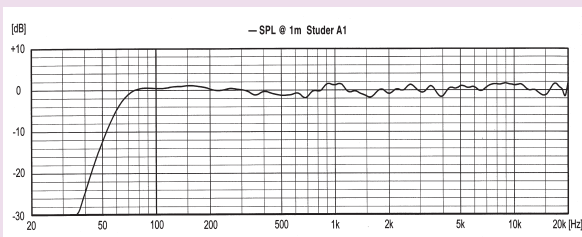
The Studer AI is a practical and compact active close field monitor. Easily carried around and installed the AI will be most practical if you need precision monitoring in small spaces. The innovative design which involves “Group delay compensation” and “Negative output impedance” of the power amplifiers make this speaker an outstanding performer in its class. Particularly impressive is the ability to produce flat frequency response even at high SPL. The Studer A Series speakers are also ideal for surround applications. “The Group Delay Compensation“ makes the Studer series of speakers ideal for Surround Sound. Mixing and matching of speakers is possible while correct phase response is maintained. For all applications the AI will exceed your expectations with its size to performance ratio.

Key Features:

- Metal handle for stand mounting and easy handling.
- Volume potentiometer on the frontpanel.
- High Sound pressure Level over the whole frequency spectrum.
- Flat frequency response.
- High accuracy impulse behaviour due to “Negative output impedance“
- Highly precise Stereo Image as a result of the “Group delay compensation“
- Designed for horizontal and vertical use.
- Prepared for stand and ceiling mounting.
- Protection circuit for each of the drivers.
- Separate amplifier stage for each driver (bi-amplified).

Technical Data Studer AI

Input	Transformer balanced
Input Impedance	Sym, 12 kOhms
Input Sensitivity for 100 dB SPL@ 1m	0.775 V
Signal to Noise Ratio	-96 dBA
Max. Input Voltage	24 Vpp
Continuous Max SPL, 1m	101 dB
Program Max SPL, 1m (short term RMS at 1m)	106 dB
Frequency response (at -6 dB)	58 - 22000 Hz
Frequency response (65 Hz - 18 kHz)	±2.5 dB
Distortion THD @ 90 dB SPL/1m	< 1 % (75 Hz - 15 kHz)
Dispersion (P.N. 4 - 16 kHz at -6dB)	100° x 100° (H x V)
System	2 Way(s)
Crossover frequency	3.5 kHz
Woofers dim. Ext. / DiaphragmØ	142 mm / Ø 102 mm
Tweeter's dim. Ext. / DiaphragmØ	70 mm / Ø 20 mm
Connectors	1 x XLR F / 3P
Dimensions W x H x D mm	162 x 242 x 170
Net Weight	5 Kg
Mains	115/230V (50/60 Hz)
Power Consumption	7 - 70 VA
Mean / Max Humidity	< 75 % / < 90 %
Ambient Temperature	5 - 40° C



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<http://www.studer.ch>

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