

Studer A5

Active Main Monitor



STUDER
professional audio equipment

The Studer A5 reproduces any style of sound with a previously unheard precision. This precision is the result of considerable research in the field of “Group delay compensation” and “Negative output impedance”. The innovative design of the A5 takes great care of these two phenomena, which make it a truly impressive performer.

The frequency response looks impressive but what really makes the difference is the SPL that can be produced over the whole frequency range.

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.

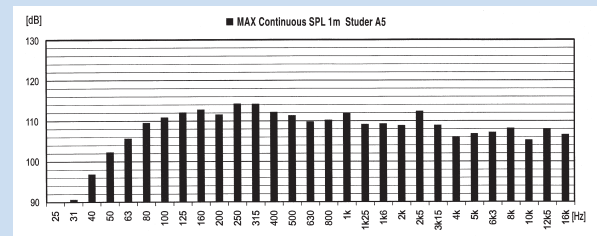
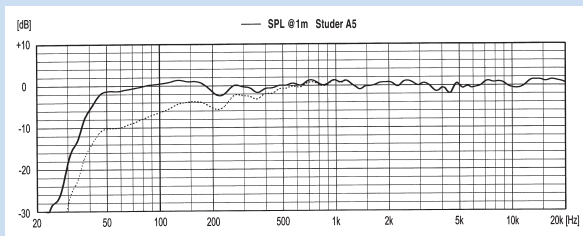
For all applications the A5 introduces a new standard of precision and will certainly change your perception of a main speaker performance.

Key Features:

- 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”
- Horizontal and Vertical positioning enabled through variable mid and tweeter section.
- Hand made, matched, Swiss tweeters.
- Prepared for stand, ceiling, and in wall mounting.
- Protection circuit for each of the drivers.
- Separate amplifier stage for each driver (tri-amplified).
- Rubber mounted non resonant power amplifier.

Technical Data Studer A5

Input	Transformer balanced
Input Impedance	Sym, 5 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	110 dB
Program Max. SPL, 1 m (short term RMS @ 1m)	118 dB
Frequency response at -6dB	38 - 23000Hz
Frequency response (50 Hz - 20 kHz)	±1.5 dB
Distortion THD @ 90 dB SPL/1m	< 1 % (50 Hz - 20 kHz)
Dispersion (P.N. 4 - 16 kHz at -6dB)	90° x 90° (H x V)
System	3 Way(s)
Crossover frequency	450 kHz, 3 kHz
Woofer's dim. Ext. / Diaphragm	Ø 250 mm / Ø 205 mm
Medium's dim. Ext. / Diaphragm	Ø 142 mm / Ø 102 mm
Tweeter's dim. Ext. / Diaphragm	Ø 100 mm / Ø 25 mm
Connectors	1 x XLR F / 3P
Dimensions W x H x D mm	320 x 590 x 380
Net Weight	29 Kg
Mains	115/230V (50/60 Hz)
Power Consumption	18 - 200 VA
Mean / Max Humidity	< 75 % / < 90 %
Ambient Temperature	5 - 40° C



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<http://www.studer.ch>

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