BIAMP

AudiaSOLO is a cost-effective, single rack-space version of Audia,® the benchmark in digital audio systems for demanding professional sound installations. AudiaSOLO provides the same easy-to-use software and functional algorithms, but in non-CobraNet® units intended for stand-alone applications. AudiaSOLO comes in three I/O configurations: 12x4, 4x12, and 8x8. The intuitive software provides audio system design capabilities via PC computer, and allows easy selection, viewing, and calibration of numerous audio components: mixers, combiners, matrixes, equalizers, filters, crossovers, dynamics, routers, delays, remote controls, meters, generators, diagnostics, etc. Once a system design is compiled, it is downloaded into AudiaSOLO, where it can then be controlled via third-party systems such as AMX® and Crestron,® via *daVinci*™ software, and/or via dedicated Audia remote control panels.

FEATURES

- three I/O configurations without CobraNet: 12x4, 4x12 or 8x8
- cost-effective single rack-space package
- on-screen display of the total audio design
- configuration/control via PC/laptop
- third-party control via RS-232 or TCP/IP
- remote control panels for levels, presets, etc.
- built-in diagnostic tools
- remote function control via Ethernet
- multi-level security coding
- **RoHS** compliance and **AES** grounding practices
- **CE** marked and **UL**/**C-UL** listed
- covered by Biamp Systems' five-year warranty

- Ability to select, view, and calibrate:
  - Mixers: standard, automatic, matrix, combiners
  - Equalizers: graphic, parametric, feedback
  - Filters: HPF, LPF, high shelf, low shelf, all-pass
  - Crossovers: 2-Way, 3-Way, 4-Way
  - Dynamics: leveler, comp/limiter, ducker, ANC
  - Routers: 2x4 ~ 56x56
  - Delays: 0 ~ 2000 ms
  - Controls: levels, presets, logic, events, etc.
  - Meters: signal present, peak, RMS
  - Generators: tone, pink-noise, white-noise
  - Diagnostics: transfer function

ARCHITECTS & ENGINEERS SPECIFICATION

   The Digital Audio Platform shall be available in three hardware configurations: 8-in/8-out (8x8); 12-in/4-out (12x4); and 4-in/12-out (4x12). Inputs and outputs shall be analog, with internal 24-bit A/D & D/A converters operating at a sample rate of 48kHz. All internal processing shall be digital (DSP). Electronically balanced inputs and outputs shall be provided on plug-in barrier-strip connectors. Inputs shall be individually programmable to accept either microphone or line level signals. The 12x4 configuration shall allow inputs 11 & 12 to be set for mono summing of unbalanced stereo line level signals. Outputs shall normally provide line level signals, however, the 4x12 configuration shall allow outputs 1~4 to be individually programmed to provide microphone level signals.
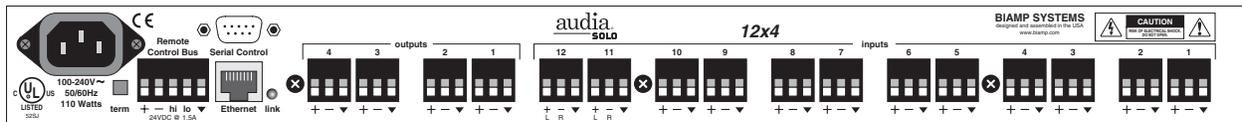
   Each hardware configuration shall include six 60MHz 32-bit floating point DSPs. Software shall be provided for creating/connecting DSP system components within each hardware unit. Available system components shall include (but not be limited to) various forms of: mixers, equalizers, filters, crossovers, dynamics/gain controls, routers, delays, remote controls, meters, generators, and diagnostics. Ethernet communications shall be utilized for software control and configuration. After initial programming, systems may be controlled using either TCP/IP or RS-232 serial communication by third party control systems (such as AMX® and Crestron®), by PC computer, and/or by dedicated remote control devices. Software shall operate on a PC computer, with network card installed, running Windows® XP Professional/Vista. The Digital Audio Platform shall be CE marked, UL/C-UL listed, and shall incorporate AES48-2005 Grounding & EMC practices. The Digital Audio Platform shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years.

   The Digital Audio Platform shall be AudiaSOLO.

BIAMP

AudiaSOLO SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-0.4dB	Maximum Input (mic/line):	+24dBu
		Phantom Power:	+48 VDC (7mA/input)
THD +N (20Hz~20kHz @ +4dBu):		Input Gain Range (variable trim):	0dB ~ +66dB
line level	< 0.006%		
mic level	< 0.04%	Sampling Rate:	48kHz
Equivalent Input Noise (20Hz~20kHz, 66dB gain, 150 ohm): -125dBu		A/D - D/A Converters:	24-bit
Dynamic Range (20Hz~20kHz, 0dB):	> 107dB	Power Consumption (100~240VAC 50/60Hz):	110 watts
Maximum Gain (input channels):	66dB	Dimensions:	
		height	1.75 inches (45mm)
Crosstalk (channel-to-channel @ 1kHz):		width	19 inches (483mm)
line level	< -80dB	depth	11.15 inches (283mm)
mic level	< -75dB		
Output Impedance (balanced):	200 ohms	Weight:	8.6 lbs. (3.9kg)
Input Impedance (mic/line balanced):	8k ohms	Compliance:	AES48-2005 Grounding & EMC practices
			EU Directive 2002/95/EC, RoHS directive
			CE marked
Maximum Output (balanced):	+24dBu		UL / C-UL listed

AudiaSOLO 8x8 REAR PANEL DIAGRAM

AudiaSOLO BLOCK DIAGRAM