



AudiaSOLO Digital Audio Platform



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 computer, and/or via dedicated AUDIA™ remote control panels.

FEATURES

- Three I/O configurations without CobraNet™:
 - ▣▣▣ 2x4, 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
- Remote control panels for level, presets, etc.
- Built-in diagnostic tools
- Remote function control via Ethernet
- Multi-level security coding
- **CE** marked and **UL / C-UL** listed
- Ability to select, view, and calibrate:
 - Mixers: Standard, automatic, matrix, combiners
 - Equalizers: Graphic, parametric
 - Filters: HPF, LPF, high shelf, low shelf, all-pass
 - Crossovers: 2-Way, 3-Way and 4-way
 - Dynamics: Leveler, comp/limiter, ducker, ANC
 - Routers: 2x4 ~ 40x40
 - Delays: 0 ~ 2000mS
 - Remote controls
 - 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.

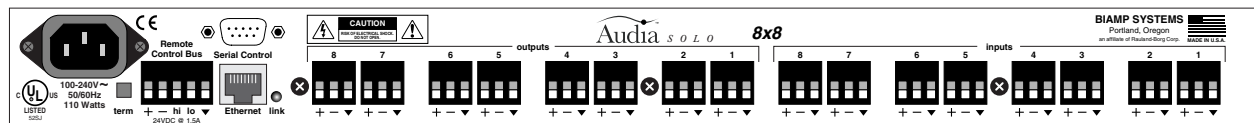
Each hardware configuration shall include six 60MHz 32-bit floating point SHARC DSPs, an 80MHz 32-bit Power PC host processor, 32MB SDRAM, and 8MB Flash ROM. Software shall be provided for creating/connecting DSP system components within each hardware unit. Available system components shall include (but 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® NT 4.0/2000/XP.

The Digital Audio Platform shall be AudiaSOLO.

AudiaSOLO SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-0.3dB	Maximum Output (balanced):	+24dBu
THD +N (20Hz~20kHz @ +4dBu):		Maximum Input (mic/line):	+24dBu
line level	< 0.007%	Phantom Power:	+48 VDC (7mA/input)
mic level	< 0.04%	Input Gain Range (variable trim):	0dB ~ +66dB
Equivalent Input Noise (20Hz~20kHz, 66dB gain, 150 ohm):	-126dBu	Sampling Rate:	48kHz
Output Noise (20Hz~20kHz):	< -85dBu	A/D - D/A Converters:	24-bit
Maximum Gain (input channels):	66dB	Power Consumption (100~240VAC 50/60Hz):	110 watts
Crosstalk (channel-to-channel @ 1kHz):		Dimensions:	
line level	< -90dB	height	3.5 inches (89mm)
mic level	< -80dB	width	19 inches (483mm)
Output Impedance (balanced):	200 ohms	depth	11.15 inches (283mm)
Input Impedance (mic/line balanced):	8k ohms	Weight:	9.9 lbs. (4.5kg)

AudiaSOLO 8x8 REAR PANEL DIAGRAM



AudiaSOLO BLOCK DIAGRAM

