

SOUND CONTROL TECHNOLOGIES

ASP-PA4™ AUDIO MATRIX W/ DSPLINK™ W/ MULTI-CHANNEL POWER AMPLIFIER

Products from SOUND CONTROL TECHNOLOGIES cover a very broad range of applications, from integrated Teleconferencing units and Cross Point audio matrixes to VOICELIFT™ Voice Articulation systems.

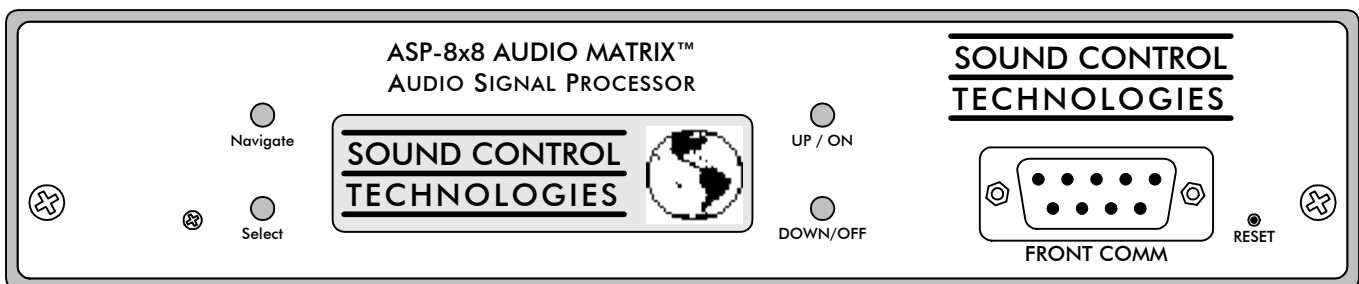
AUDIO MATRIX PRODUCTS

SERIES II ASP-PA4 AUDIO MATRIX™

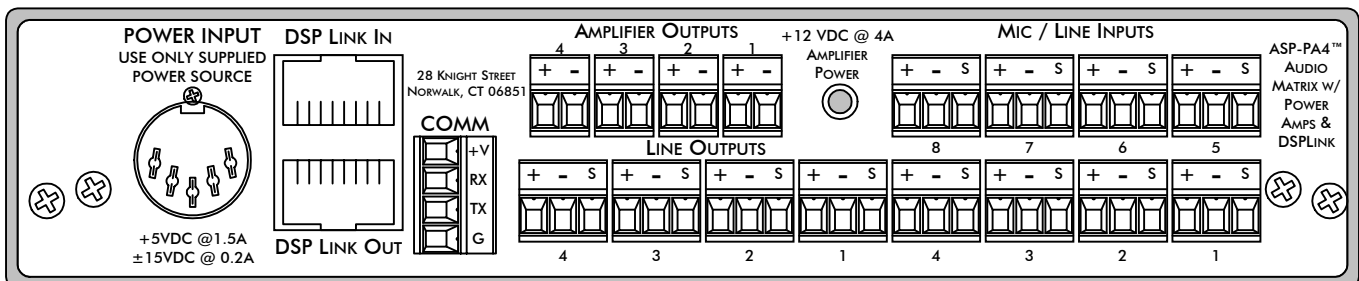
For serious audio system integration, the ASP-PA4 Audio Matrix™ allows virtually unlimited flexibility in signal flow, gain structure, signal delay, signal summing, distribution, level detection and power amplification.

Cascadable matrixes can be configured using SCT's proprietary DSPLink™ to obtain a true 32 x 32 summing cross point matrix using only four units. The matrix has level control over inputs, cross points and outputs as well as signal delay available at every cross point.

These units are unmatched in their remote control capabilities and simplicity. For many years, audio matrixing has been the tool of choice for mix-minus audio systems, room combining systems as well as a host of other applications.



Series II ASP-PA4 Audio Matrix Front Panel



Series II ASP-PA4 Audio Matrix Rear Panel

The ASP Family of products have a unified front panel for a clean rack view. All control and set-up for cascaded matrixes are setup via "Unit 1", either from the front panel LCD graphics display or the serial port.

Full serial port configuration and control protocol are available in the ASP Family setup guide. Please visit the SCT web site for current information.

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Technical Specifications:

Analog Audio Input: _____ Software Selectable Microphone/Line
Input Selection Mute/ 0/ +10/ +50/ +60 dB software, Variable, 2.0 K Ω Termination
Phantom Power Software Selectable On/Off, +12.5 VDC
Throughput Gain Unity Gain Max., -1 dB Steps, 70 dB range plus cross point mute
64 simultaneous cross points (x8 Presets)

Analog Audio Output: _____ 8 Output Channels
Line Level Outputs (4) Line level, Variable, 100 Ω Termination
Power Amplifier Outputs (4) Speaker level, Variable,
10 Watt, 8 Ω Terminations
Master Gain -1.5 dB Steps, 46.5 dB range plus output channel mute

Signal to Noise Ratio (Line Level Throughput): _____ >80 dB

Frequency Response: _____
Mic / Line Level _____ 20 - 15000 Hz

Programmed Signal Delay: _____
Cross point Based _____ 0 ms. to 500 ms., 1 ms. resolution
Max. Signal Delay 64 simultaneous cross points (x8 Presets)

Throughput Delay (Signal Propagation Delay with Minimum Settings): _____
Any Input to any output <35 μ S

Control Interfaces: _____
Front Panel Push Button _____ I.D. Select, Preset, Default Preset, Manual Routing
Serial Remote Control COMM1 (Front Panel 9 Pin D, Male) RS-232D
COMM2 (Rear, Removable mini "Captive Wire" Connector) RS-232D

High Speed DSP Link: _____ RJ-45
Interconnecting cable must be high quality network grade shielded Category 5

Audio and Control Connections: _____ Removable Polarized mini "Captive Wire" Connectors
Power Connection: Removable Polarized 5 Pin Din Connector

Power Requirements: _____
Main Unit _____ +5VDC, 1.5A, \pm 15VDC, .2A
External Plug-In, Universal AC Input Supply Included
Power Amplifier _____ +12VDC, 4A
External Plug-In, Universal AC Input Supply Included

Size: _____ (1/2 Rack Wide, Mounting Kit Available) H 1.75", W 7.50", D 9.00"
Weight: _____ 2.5 lbs.

Technical specifications are subject to change. This information applies to a product under development. Its specifications are subject to change without notice. For the original equipment supplier, custom configurations of the ASP-8x8 MATRIX™ and other SCT equipment are available. Please contact SCT for details on pricing and availability.