

THE GPM-300 SERIES CROSSPOINT SWITCHER FLEXIBLE DIGITAL AND ANALOG AUDIO ROUTING



The GPM-300 is an analog and digital crosspoint switcher

The new GPM-300 Series matrix switcher is a basic crosspoint switcher and provides a low cost solution to your digital and/or analog audio routing and switching needs. Scalable modular design lets you purchase only what you need with room to expand. DSP Architecture provides outstanding flexibility and reliability in a single rack chassis. Example application would be one EAS generator (digital or analog source) connected to the GPM-300 series matrix switcher. The GPM-300 can now switch the single EAS generator source to up to eight studios in your choice of digital/analog audio, or both.

Analog Stereo Pairs AES Digital Stereo Pairs Configuration Chart

	Analog (In /Out)	AES Digital (In /Out)
GPM-300-1	0 / 0	4 / 4
GPM-300-2	4 / 0	4 / 4
GPM-300-3	0 / 4	4 / 4
GPM-300-4	4 / 4	0 / 0
GPM-300-5	4 / 4	4 / 4
GPM-300-6	0 / 0	8 / 8
GPM-300-7	8 / 4	0 / 0
GPM-300-8	8 / 8	0 / 0

The GPM-300 can switch between analog and digital sources depending on the requirement and system ordered from the above configuration chart. The GPM is intended for any application where high quality, synchronous AES switching is required. Every digital input can accept from 8-96 KHz sample rates and are frame rate converted to 44.1 or 48KHz output sample rate which is user configurable. Call or email us today with your requirements as this flexible system can be customized to meet your exacting requirements.



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Technical Specifications

Digital

Inputs:	AES3 Balanced 110 Ohm Impedance
Sample Rates:	8 - 96 KHz
Outputs:	AES3 Balanced 110 Ohm Impedance
Sample Rates:	8 - 48 KHz 24 bits throughout with sample rate conversion on all digital inputs
Connector Style:	DB-25 I/O - Compatible with Standard DB-25 to XLR Breakout Cables or Panels Available from BDI
Remote Control:	GPIO Interface momentary closure to ground or Serial for manual channel selection - Remote enable/disable
Status:	Open Collector GPIO or Serial Interfacet

Analog

Inputs:	Balanced +/-10 dBm nominal - selectable gain adjust +/- 10 dB in 1 dB inc.
Outputs:	Balanced -10 dBFS analog equivalent - 4 or 8 depending on model
Frequency Response:	+/- 0.25 dB from 20 Hertz to 20 KHz

General

Power Requirements	100 - 240 VAC 50 - 60 Hertz
Physical	19" W X 1.75: H X 10" D EIA Rack Standard
Environmental:	0-60 Degrees C Non Condensing Atmosphere

Basic Shared EAS Application using the GPM-300 System

