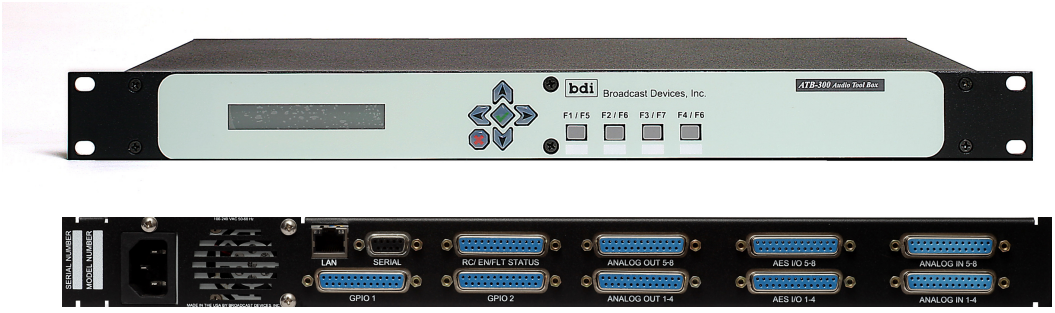
THE GPM-300 SERIES CROSSPOINT SWITCHER
FLEXIBLE DIGITAL AND ANALOG AUDIO ROUTING



The GPM-300 is a digital and analog crosspoint audio switcher

The GPM-300 Series matrix switcher is a crosspoint switcher which provides a low cost solution to your digital and/or analog audio routing and switching needs. Models are available in 4 or 8 channel versions with 10 different I/O configurations. Digital signal processing (DSP) architecture provides flexibility in a single rack chassis. The GPM-300 also has a ***"Switcher in Switcher"*** mode whereby each output can have pre designated A / B inputs which can be programmed from any of the inputs available. This feature is useful for common source sharing or for individual switchers in one chassis. The crosspoint switcher functionality is also available for emergencies so that any input can be routed to any output. Uses include EAS system sharing, network join sharing, emergency studio sharing for N+ backup studio requirements. Each output has its own silence sensor for automatic switchover in case of primary feed failure. An auto revert feature allows the switcher to return to the primary feed when audio has been restored to the failed channel. The GPM-300 series switchers provide flexibilty and value for any broadcast or professional audio plant.

Analog/Composite, AES Digital Configuration Chart

Model:	Composite (I / O)	Analog (I / O)	AES Digital (I / O)
GPM-300-1	0 / 0	0 / 0	4 / 4
GPM-300-2	0 / 0	4 / 0	4 / 4
GPM-300-3	0 / 0	0 / 4	4 / 4
GPM-300-4	0 / 0	4 / 4	0 / 0
GPM-300-5	0 / 0	4 / 4	4 / 4
GPM-300-6	0 / 0	0 / 0	8 / 8
GPM-300-7	0 / 0	8 / 4	0 / 0
GPM-300-8	0 / 0	8 / 8	0 / 0
GPM-300-9	4 / 4	0 / 0	4 / 4
GPM-300-10	4 / 4	4 / 4	0 / 0

The GPM-300 can switch between analaog and digital sources depending on the system from the above configuration chart. The GPM-300 is intended for any application where high quality, synchronous AES and/or analog switching is desired. 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.

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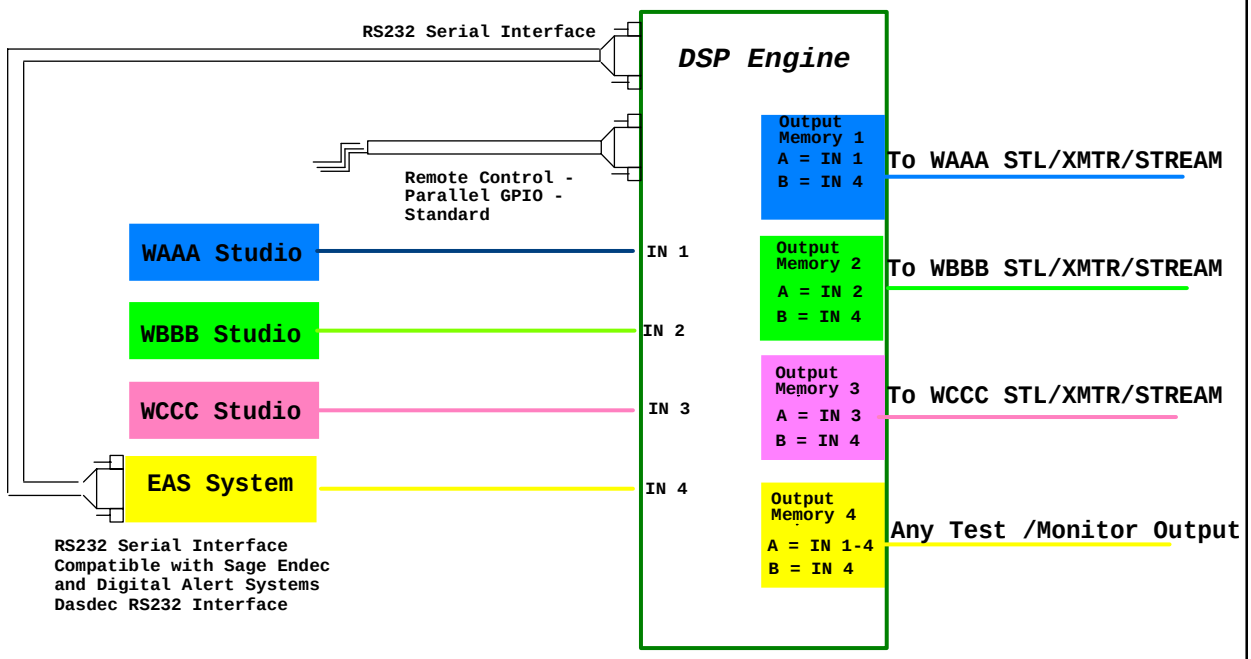

Switcher in Switcher Mode - Studio Cluster EAS Sharing Syst

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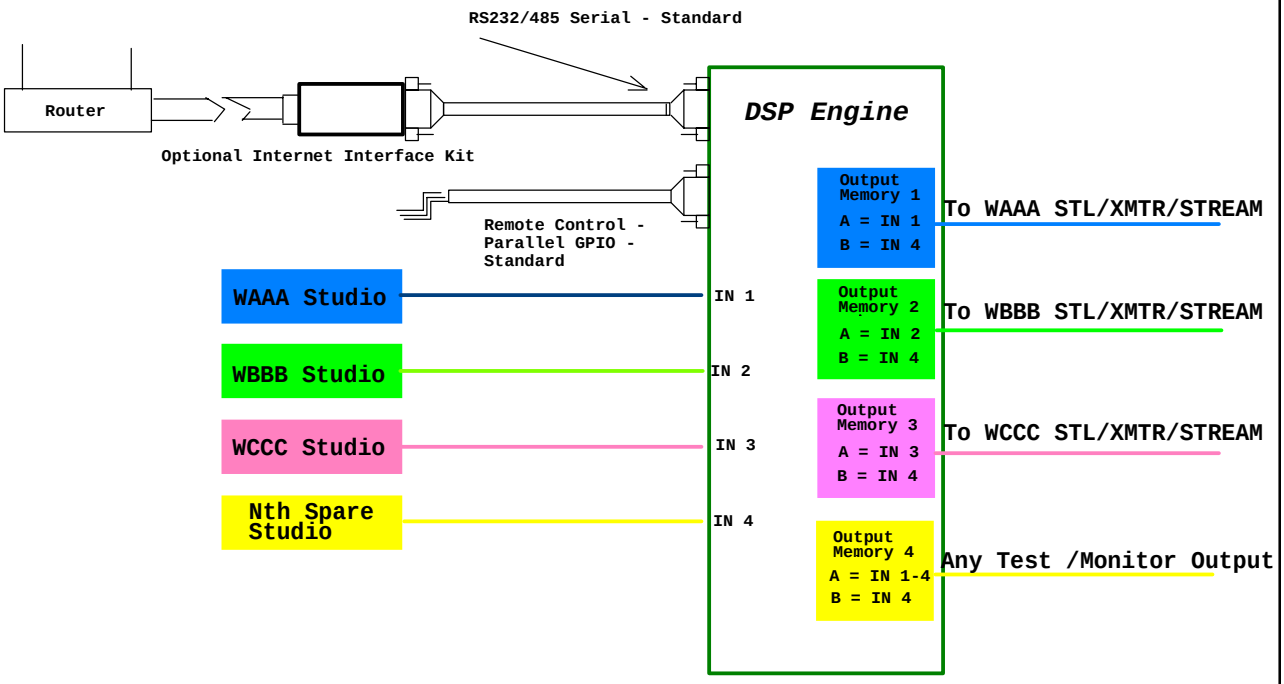
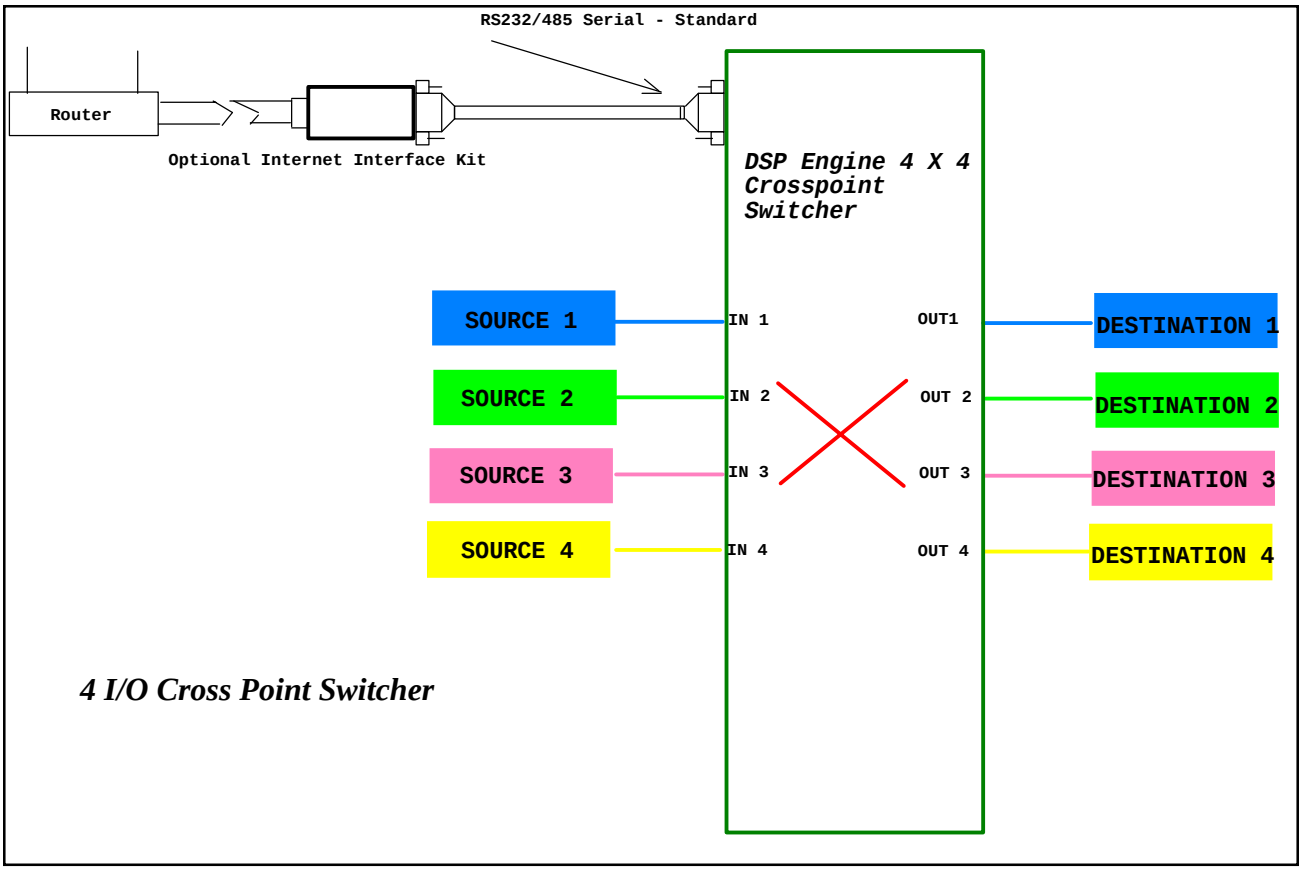
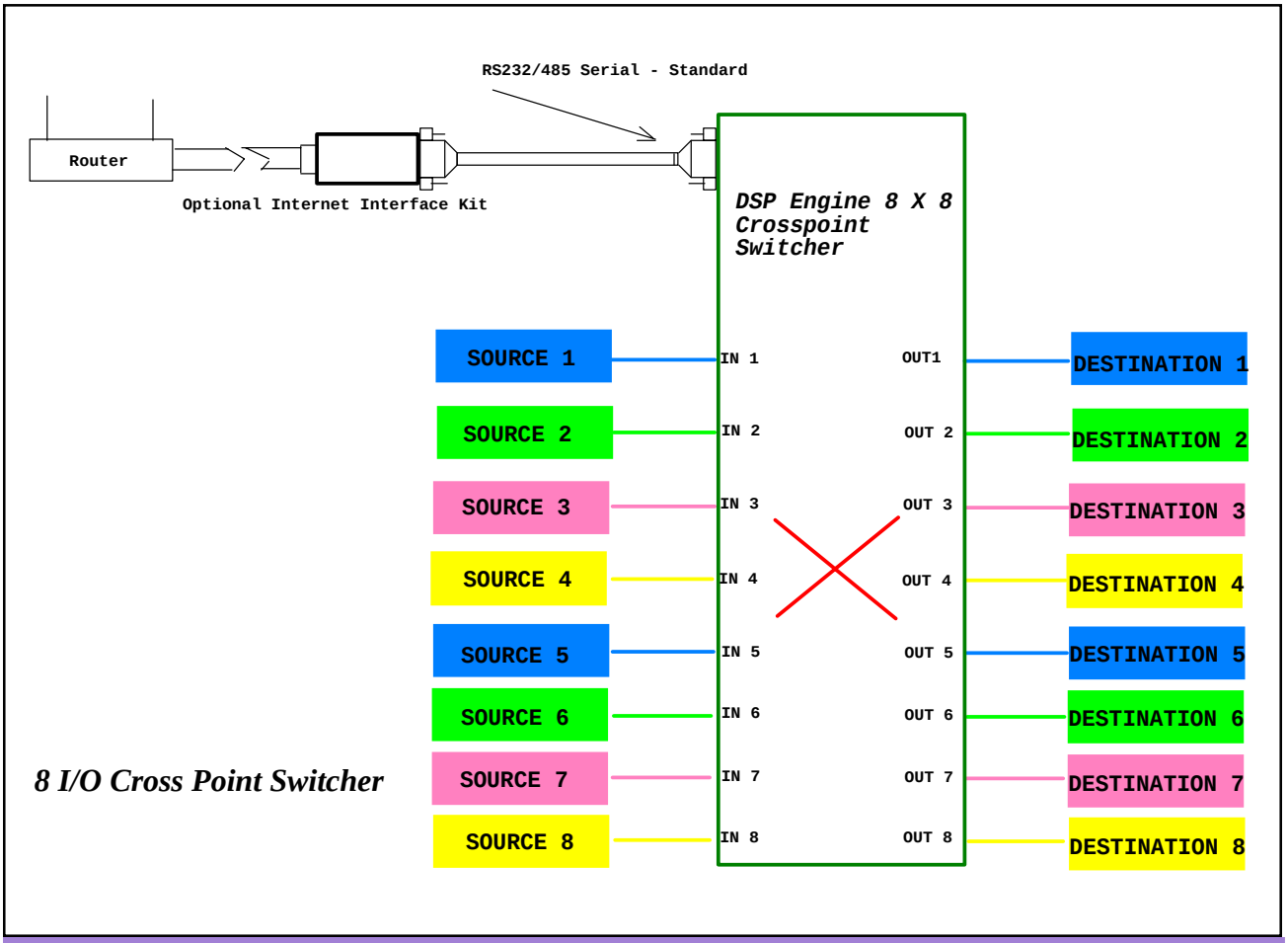


Switcher in Switcher Mode - Studio Cluster Emergency Backup Switching

4 - I/O verrsions shown - up to 8 I/O available



4 I/O Cross Point Switcher



8 I/O Cross Point Switcher

GPM-300 Technical Specifications

Digital	
Inputs:	**AES3 Balanced 110 Ohm - 75 Ohm Unbalanced Interface Panel Available**
Input Sample Rate:	**8-96 KHz Frame Rate Converted to 44.1 or 48 KHz**
Outputs:	**AES3 Balanced - 75 Ohm Unbalanced Interface Panel Available**
Connector Style:	**DB-25 I/O - DB-25 to XLR Interface Panels Available from BDI**
Remote Control:	**GPIO Interface closure to ground or Serial RS-232/485 - Also Compatible with BDI GPMRC Remote Pushbutton Panel and optional BDI model IAS-100 Internet Interface Kit Available**
Status:	**Open Collector GPIO or Option Serial Interface, two additional form C relays available for audio loss alarm - programmable maintained or momentary closure for start of auxiliary audio sources, Complete channel select/audio presence status when used with optional BDI IAS-100 Internet Interface Kit**
Analog	
Inputs:	**Balanced +4 dBm - nominal program level**
Outputs:	**Balanced +4 dBm nominal program level consistent with -20 dBFS for AES3 I/O**
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**

Options Available for the GPM Series

DIP-100	**XLR to DB25 AES Digital Audio Interface Panel 8 I/O**
DIP-100-75	**75 Ohm BNC to DB25 Digital Audio Interface Panel 8 I/O**
DIP-100-110/75	**4 - BNC I/O, 4 XLR I/O Digital Audio Interface Panel**
AIP-100	**XLR to DB25 Analog Audi Interface Panel 8 I/O**
IAS-100	**Internet Interface Kit - Tibbo Serial to TCP/IP Converter/ Cables and BDI Graphical User Interface Software for use with Windows XP/7/8/10**
GPMRC	**GPM-300 Remote Interface Panel - Provides “radio button style” Intra facility Remote Control of GPM series audio switchers. Up to 6 - GPMRC remote panels can be connected to a single GPM series switcher.**