GPM-300 8 X 8 Router

Up to 8 Channel Audio Router

The GPM-300 Series router products are a versatile way to manage AES3 and/or analog audio in one package. With over 10 models to choose from the GPM-300 series make audio cross point routing over different platforms easy. Connect any input to any output analog or digital I/O. The GPM series can be operated from the front panel, GPIO or from an Ethernet connection using SNMP and/or the BDI *Stack* Graphical User Interface available for Windows and Android devices. The GUI also provides a means of naming inputs and outputs for convenience. The GPM Switcher within a switcher feature allows you to pre configure a pair of inputs to be selected to a single output as an A/B switcher. Each output has its own silence detector so you can configure each output for silence detection and switching in the event of a failure. Each output can support auto revert as well. If the audio is restored the unit can be programmed to switch back to the original input all without operator intervention. At the same time you still have the ability to route from any input to any output for emergency switching.

Couple the power of the GPM-300 with SNMP and you have the most versatile compact routing switcher on the market. Now a simple CAT5 connection is all you need to interconnect the GPM-300 to your SNMP based remote control system or software. Whether your requirement is all AES3, analog or a combination of both its hard to find a better value in a single rack unit package.

- Up to 8 I/O Analog, AES3 or a 4 of Each
- Composite FM Stereo I/O module — 4 Composite Output DA and Composite to AES3 Conversion
- Programmable Silence detection including threshold, time delay, auto revert time
- Programmable Silence Switching channel priority. Custom programmable sequence of channels
- Sample Rate Conversion on every AES3 input
- Synchronous AES3 switching for silent, glitch free switching
- 24 bit resolution throughout
- Tascam™ Standard Interface
- Ethernet connection for use with **SNMPv2** and/or BDI ***Stack*** GUI
- RS232/485 Compatible for use with most automation systems

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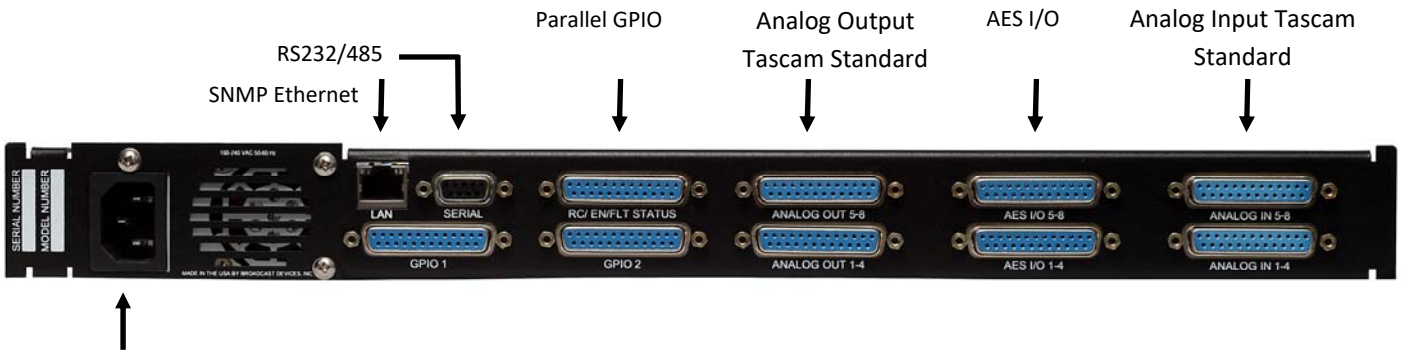
Technical Specifications

I/O Types Available:	AES3 8-96 KHz , Analog balanced +4 dBm, Composite FM Stereo Base band
Number of I/O	Up to 8—Model Specific—See Model Chart below
Sample Rate Converted AES3 Output Sample Rates:	32, 44.1 or 48 KHz—User Definable
Analog Inputs:	+4 dBm Balanced L/R +24 dBm Max. input level
Analog Outputs:	+ 4 dBm Balanced L/R + 18 dBm Max output level
Frequency Response:*	+/- 0.25 dB from 20 Hertz to 20 KHz
Total Harmonic Distortion:*	Less than 0.05% at headroom level
Dynamic Range:	90 dB or greater
Remote Control:	Parallel GPIO, Ethernet SNMPv2 and RS-232/485 Serial with optional GPMRC Remote Control Panel available
Power Requirements:	100-240 VAC 50-60 Hertz @0.5A
Environmental:	0-60 degrees C. Non Condensing Atmosphere
Mechanical:	19” X 10” D X 1.75” H—Standard 1 RU EIA Rack enclosure
Shipping Weight/Dimensions including Carton :	15 lbs., 22” LX 14” W X 7” H

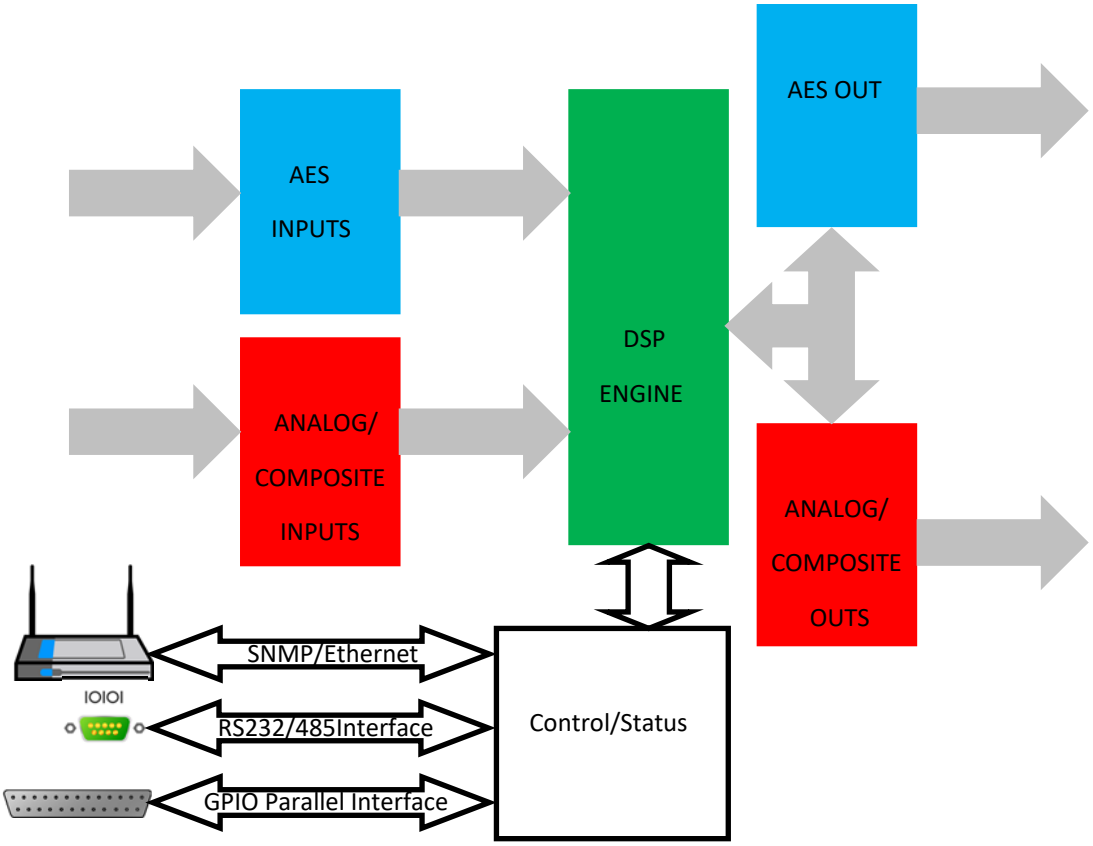
Model Chart	AES3 I/O	Analog Input	Analog Output	Composite Base Band I/O
GPM-300-1	4	0	0	0
GPM-300-2	4	4	0	0
GPM-300-3	4	0	4	0
GPM-300-4	0	4	4	0
GPM-300-5	4	4	4	0
GPM-300-6	8	0	0	0
GPM-300-7	0	8	4	0
GPM-300-8	0	8	8	0
GPM-300-9*	4	0	0	4
GPM-300-10*	0	4	4	4

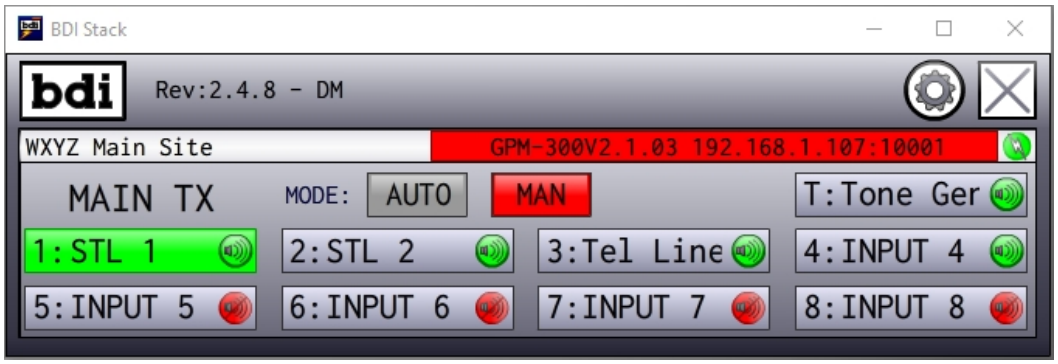
*Note GPM-300-9,10 versions can be configured to convert composite base band to AES3 stereo outputs

GPM-300 Series Basic Block Diagram



100-240 VAC 50-60 Hertz





BDI Stack Graphical User Interface