The 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**

<table>
<thead>
<tr>
<th>Analog (In /Out)</th>
<th>AES Digital (In /Out)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPM-300-1</td>
<td>0 / 0</td>
</tr>
<tr>
<td>GPM-300-2</td>
<td>4 / 0</td>
</tr>
<tr>
<td>GPM-300-3</td>
<td>0 / 4</td>
</tr>
<tr>
<td>GPM-300-4</td>
<td>4 / 4</td>
</tr>
<tr>
<td>GPM-300-5</td>
<td>4 / 0</td>
</tr>
<tr>
<td>GPM-300-6</td>
<td>0 / 0</td>
</tr>
<tr>
<td>GPM-300-7</td>
<td>8 / 4</td>
</tr>
<tr>
<td>GPM-300-8</td>
<td>8 / 8</td>
</tr>
</tbody>
</table>

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.

**Broadcast Devices, Inc.**
Tel. (914) 737-5032 Fax. (914) 736-6916
## 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
- **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 +4/-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

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### Basic Shared EAS Application using the GPM-300 System

```
EAS COMMAND LINES
WAAA Studio
EAS Generator
<table>
<thead>
<tr>
<th>WCCC Studio</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS COMMAND LINES</td>
</tr>
</tbody>
</table>
WBBB Studio
| WDDD Studio |
SHARED EAS AUDIO OUTPUT
TO WAAA TRANSMITTER
TO WBBB TRANSMITTER
TO WCCC TRANSMITTER
TO WDDD TRANSMITTER

www.broadcast-devices.com
```