

DAB-300 Dual Path Switcher



Dual Path Simultaneous Switcher



The DAB-300 series dual path audio switchers were designed to address the need to switch two audio paths simultaneously for in band on channel (IBOC) transmission format. Maintaining time alignment between analog and digital transmitter signal paths is essential for proper performance. The DAB-300 allows the station operator to have a pair of analog and digital paths and allow them to be switched together in the event of an analog or digital audio path failure. Designed with BDI's exclusive silence detection system the DAB-300 does its job automatically without operator intervention. The DAB series can be operated from the front panel, GPIO, Ethernet 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.

Couple the power of the DAB-300 with SNMP and you have the most versatile compact dual path switcher on the market. Now a simple CAT5 connection is all you need to interconnect the DAB-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

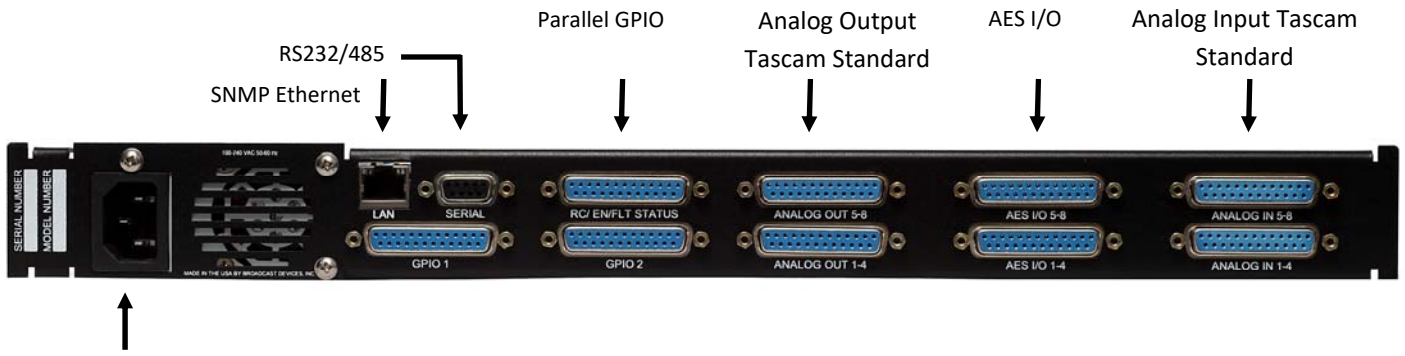
Technical Specifications

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

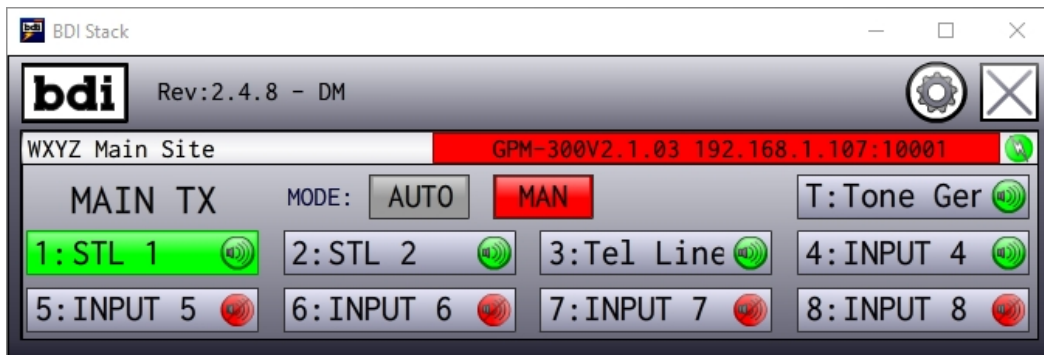
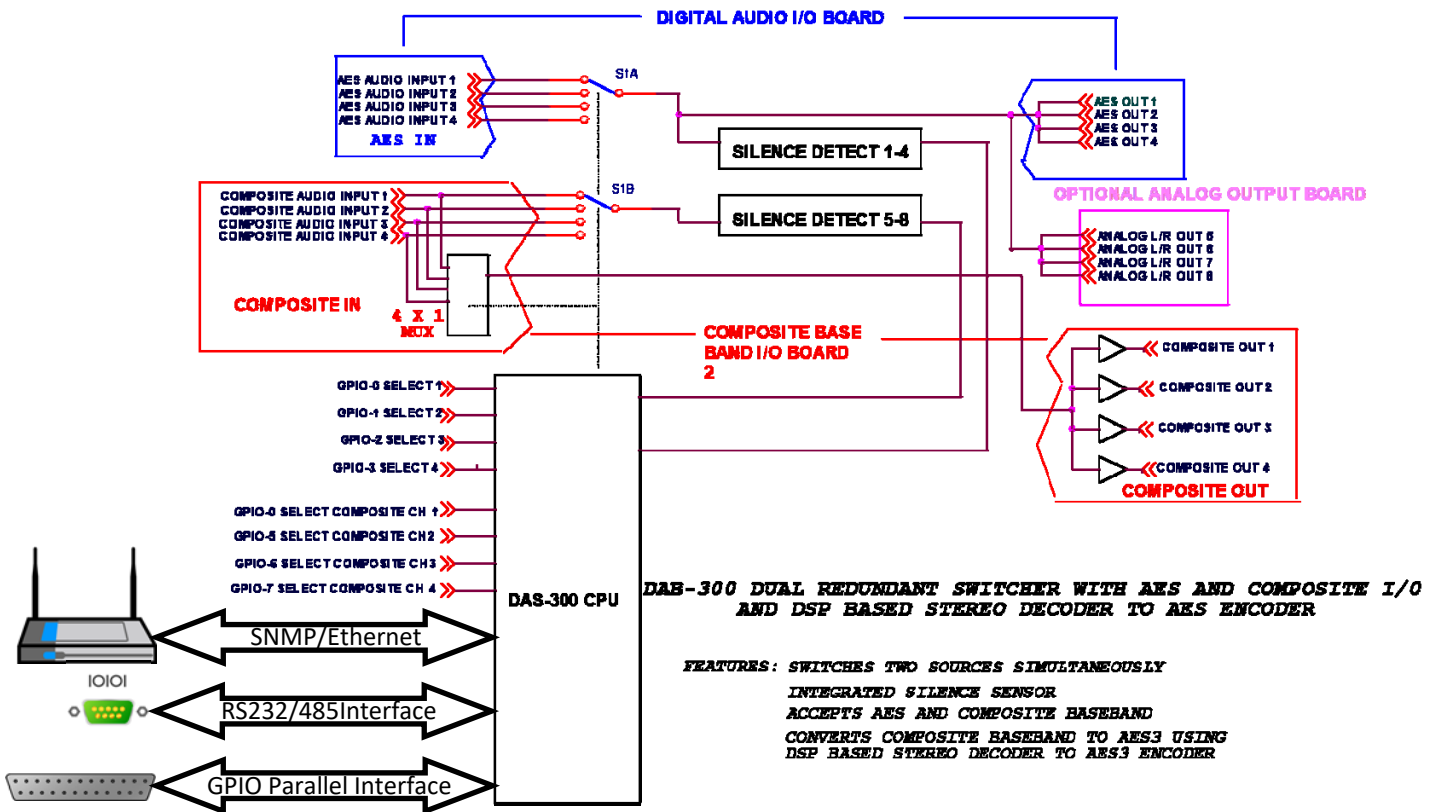
Model Chart	Inputs 1-4	Inputs 5-8	Outputs 1-4	Outputs 5-8
DAB-300-1	AES3	AES3	AES3	AES3
DAB-300-2	AES3	Analog	AES3	Analog
DAB-300-3	AES3	Analog	AES3	AES3
DAB-300-4	AES3	Composite	AES3	Composite
DAB-300-5	AES3	Composite	AES3	AES3
DAB-300-6	AES3	Composite	AES3	Analog

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

DAB-300 Series Basic Block Diagram



100-240 VAC 50-60 Hertz



BDI Stack Graphical User Interface