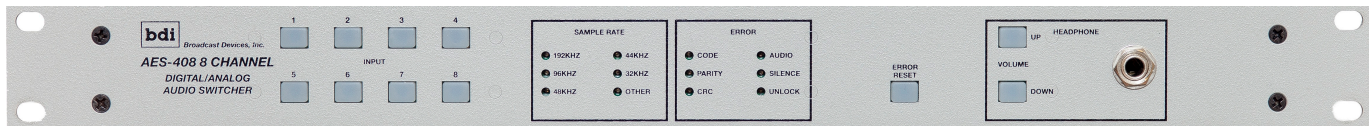# The AES-408 8 Input Digital/Analog Audio Switcher

The Switcher ...

   The AES-408 is a four input AES3 compatible digital and four analog audio switcher. A convenient single rack unit hybrid audio switcher with professional XLR connection for AES3 I/O and DB25 Tascam compatible analog input. Select channels from the front panel, GPIO, serial, TCP connection

The Distribution System ...

   Two AES digital outputs are available for distribution to independent 110 ohm balanced lines. Ruggged RS422 line drivers provide excellent driving capability for long lines.

The Diagnostic Monitor ...

   The unit features complete error flag information with memory retained to aid in troubleshooting. Slipped sample, CRC error, parity error, coding error and unlock status are available. There is a sample rate indicator included too.

The D/A Converter ...

   The AES-408 features up to 192 KHz, 24 bit convervsion with balanced output for professional analog applications. There is also a front panel headphone output for confidence monitoring. Balanced analog left/right output conforms to industry standard +4 dBm output for -20 dBFS.

The Rest of the Story:

   Part of a series of digital audio products from BDI the AES-408 Digital Audio Switcher/DA/D to A Converter has features that few switchers have which makes it suitable for broadcast, professional audio, recording, and ENG truck use. Professional switching, distribution, diagnostics and digital to analog conversion all in one package The AES-408 can even manage non audio standard AES formats for switching and distribution. DIP switch programming of functions allows the user to customize which features for use in different audio situations. Lightweight aluminum construction in a standard EIA rack enclosure makes the AES-408 a great solution for portable setups for transport-able rack configurations. Another great use is for automation due to the number of inputs and various ways to remote control the unit. Don't settle for so called low cost solutions that don't use XLR connectors, require a rack adapter kit or use "wall wart" power supplies. The AES-408 is a single EIA compatible rack enclosed product with a rugged internal power supply.

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Rear View

Snapshot of Features:

Eight Inputs 4- Digital and 4- analog balanced or unbalanced Analog Balanced +4 dBm, unbalanced - 10 dBm selectable on a channel by channel basis
Two Digital Outputs
Balanced Left/Right Analog Output
Front Panel Digital Status
Headphone Confidence Monitor Output
Remote Control of Channel Selection GPIO and RS232/485 Serial/TCP*
Status of Channel Position
Global Power Supply - works virtually anywhere in the world

User On/Off Configurable Options:

Detect loss of audio on selected channel - Flashing Front Panel Status
Defeat front panel channel select - Control with GPIO or Serial Remote Only for rack operations
Mute analog output for non audio formats on digital inputs

* Requires the use of the optional INT-100 Internet Interface kit available from BDI

Technical Specifications

Number of Inputs:	**4 - XLR Conforms to the AES3 Standard/4 Analog -DB25 female connector**
Number of Outputs:	**2 - XLR Digital, 1 - Analog Left/Right Balanced**
Sample Rates Supported:	**32 - 192 KHz**
Digital Resolution:	**Up to 24 bits**
Front Panel Switches:	**7 - Channel Selection Error Reset, Volume Up/Dn**
Front Panel Monitoring:	**LED Indication of Sample Rate, Error Status,**
Power Remote Control/Status:	**Open Collector control of channel selection**
	Open Collector control of channel selection
	Open Collector Output Channel
	Status via 9 Pin D connector or RS232/485 R/C
	via 9 Pin D connector
Headphone Monitor:	**1/4" Phone Jack on Front Panel with Digital Volume Control**
Physical Dimensions:	**19"W X 1.75"H X 10" D**
Power Requirements:	**100-240 VAC 50 - 60 Hz**
Environmental:	**0 - 60 Degrees C. Non Condensing Atmosphere**

Authorized Distributor: