

# *The AES-302 - Digital Audio Switcher*



## ***The Switcher ...***

*The AES-302 is a two input switcher which can operate automatically. When placed in the automatic mode, the unit monitors the incoming audio stream and can switch to an alternate path on user selectable error flags, loss of clock or user defined silence. The unit can be commanded remotely or locally to switch as well.*

## ***The Distribution System ...***

*Up to four outputs are available Order any input or output configuration that meets your needs. The AES-302 can support AES, SPDIF and Optical interfaces.*

## ***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-302 features a 96 KHz 24 bit converter with balanced output for professional analog applications. There is also a front panel headphone output for confidence monitoring.*

## ***Standards Conversion ...***

*The unit can be ordered with AES-XLR, BNC, SPDIF or optical I/O in virtually any combination desired. There is complete flexibility negating the need for outboard standards converters.*

***The AES-302 can be used as a transmitter or studio audio switcher, digital to analog converter, or diagnostic monitor. It is well suited to broadcast and recording applications. It features a rugged steel chassis for excellent shielding. All automatic switching functions are user programmable. Select the errors that you want to switch upon. Easy to understand front panel controls and indicators for quick installation and ease of use. Remote control functions are simple momentary ground closures for interface to most modern remote control systems. Remote status indications are via dry relay contacts. Call your local broadcast distributor for pricing, call or email us with any questions that you might have. The AES-302 is the next generation of digital control.***



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## Rear View - XLR Configuration

Snapshot of Features:

*Two Input Digital Switcher*

*Four Digital Outputs*

*Balanced Left/Right Analog Output*

*Power Fail Passive Bypass - Selected Input is hard bypassed to AES OUT #1 Upon Power Failure*

*Front Panel Digital Status*

*Headphone Confidence Monitor Output*

*Remote Control of Channel Selection*

*Status of Channel Position*

*Optional SPDIF and/or optical digital I/O - Contact the factory to discuss your requirements*

*Global Power Supply - works virtually anywhere in the world*

## Technical Specifications

<b>Number of Inputs:</b>	<b>2 - Switchable Conforming to the AES3 Standard</b>
<b>Number of Outputs:</b>	<b>4 - Digital, 1 - Analog Left/Right Balanced Output</b>
<b>Sample Rates Supported:</b>	<b>8 - 96 KHz</b>
<b>Digital Resolution:</b>	<b>Up to 24 bits</b>
<b>Front Panel Switches:</b>	<b>7 - Channel Selection, Auto/Manual Selection, Error Reset, Volume Up/Dn</b>
<b>Front Panel Monitoring:</b>	<b>LED Indication of Sample Rate, Error Status,</b>
<b>Power Remote Control/Status:</b>	<b>Open Collector control of channel selection Dry contact status NO/NC/C via 9 Pin D connector</b>
<b>Headphone Monitor:</b>	<b>1/4" Phone Jack on Front Panel with Digital Volume Control</b>
<b>Physical Dimensions:</b>	<b>19"W X 1.75"H X 10" D</b>
<b>Power Requirements:</b>	<b>120/240 VAC 50 -60 Hz</b>
<b>Environmental:</b>	<b>0 - 60 Degrees C. Non Condensing Atmosphere</b>

Authorized Distributor: