

DIGITAL SYSTEM SOLUTION

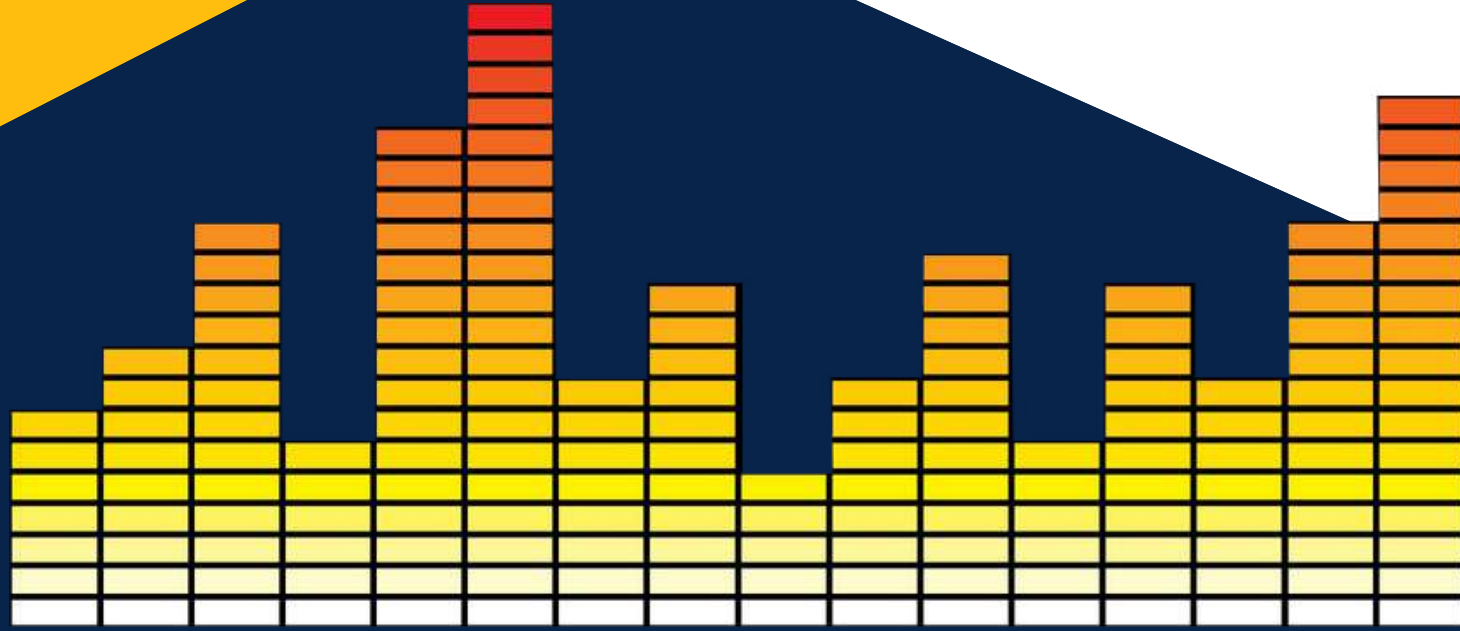
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DIGI-SYS

An ISO 9001:2015 Company



A-D/D-A AUDIO CONVERTER

AUDIO CONVERTER DAAD-2

A-D and D-A CONVERTER

DIGI-SYS DAAD-2 is a Digital to Analogue converter 1U rack-mount which produces an stereo analog audio output from a balanced XLR or unbalanced BNC digital input. This unit has excellent signal to noise ratio and has Diagnostics capability to detect coding errors in the incoming Digital signals.

- HIGH QUALITY DESIGN
- GREAT PERFORMANCE
- COST EFFECTIVE
- LONG LIFE
- GOOD EFFICENCY

AUDIO CONVERTER DAAD-2

Salient Features

- **Acceptable Sample Rate up to 196K**
- **Short Circuit Protected**
- **Ultra Low Noise**
- **Excellent Frequency Response.**
- **Extremely Low Distortion**
- **Stabilized Power Supply**
- **LCD display**
- **Digital signal analysis**
- **High signal isolation (transformers)**
- **Bar graph display analog levels**

DIGI-SYS DAAD-2 is a Digital to Analogue converter 1U rack-mount which produces an stereo analog audio output from a balanced XLR or unbalanced BNC digital input. The Acceptable Sampling Frequency range from 16 to 192 KHz with automatic selection. This unit has excellent signal to noise ratio and has diagnostics capability to detect coding errors in the incoming Digital signals. The Interactive controls provide superb flexibility in selecting balanced or unbalanced signal inputs. Analog outputs are always available in balanced and unbalanced both formats. The large dynamic range is optimized by microcontroller based full scale resolution.

DIGI-SYS DAAD-2 has excellent overall frequency response and very low distortion, which has been achieved by selectively mixing integrated circuits and discrete devices. Design excellence of digital input stage, also allow perfect recovery from weak digital signals in the range of 100 mV. There are individual gain controls for analog output to give ± 5 db level adjustment.

Unique user interface through a graphical LCD and navigation controls provide unlimited configurations and fine level controls. The LCD display in conjunction with built in error analysis capability, provide all critical errors in addition to parameter display. The unit is housed in a 19" rack mount chassis with power connections as per IEC recommendation.



Technical Specification

Analogue to Digital converter

- Digital input 1x AES/EBU XLR F 3 pin, 2x S/PDIF BNC
- Digital input sample rate 16 KHz to 216 KHz auto detect and display
- Input lock range $\pm 2\%$ of standard sample rates.
- Digital input signal resolution 16-24 bit
- Digital input amplitude 200 mV PP min. (90 mV typical), 5 V PP max.
- Digital input Impedance 110 Ω balanced, 75 Ω unbalanced
- Analogue output 2x XLR M 3 pin (balanced), 2x BNC (unbalanced)
- Max output level 24dBu active balanced, 18dBu active unbalanced
- Output impedance <50 Ω (min load 600 Ω)
- Frequency Response ± 0.5 dB (20Hz to 20KHz)
- Total Harmonic Distortion <0.05
- Channel matching ± 0.5 dB (20Hz to 20KHz)
- Dynamic range >110dB

Physical Dimesnsions

- Power 230 V $\pm 10\%$, 50 Hz, 20VAMax
110 /230 V $\pm 10\%$, 50/60Hz
20VA Max (optional)
- Size - HxWxD 44.5mm x 483mm x 203mm(1.75"X19"X8")

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Why Choose DIGI-SYS

DIGI-SYS Your innovative idea's need products which can meet new challenges and compliment your efforts. Our in house innovative end to end computer aided design and manufacturing process is the best solution to meet critical timelines. Our artificial intelligence integrated in every product design, provides unmatched flexibility in field to configure our products to critical demanding needs and yet are very simple to operate. But technology and human innovation know no scarcity.

Our marketing and sales is bonded to customer support. Our technical experts assist you in system design as part of our product offering, which is optimised to your needs. In other words our support starts even before you buy a product from us. Our goal is to provide you best solution for your needs rather than sell you what we have in stock. Prospects who show interest in our products and services invariably get rewarded with best solution at most cost effective price.

Our Products Line

- Pro Audio Monitor
- Analog to Digital & Digital to analog Audio Converter
- Audio Router
- Remote Site Controller
- Audio Distributor/Switcher
- ON-AIR Light
- Audio Console Mixer
- FM Power Divider/Combiner
- Convection Dummy load (DC to 300 Mhz)

For further information, Please contact us at:

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ISO 9001 : 2015 Registered

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