

DIGITAL SYSTEM SOLUTION

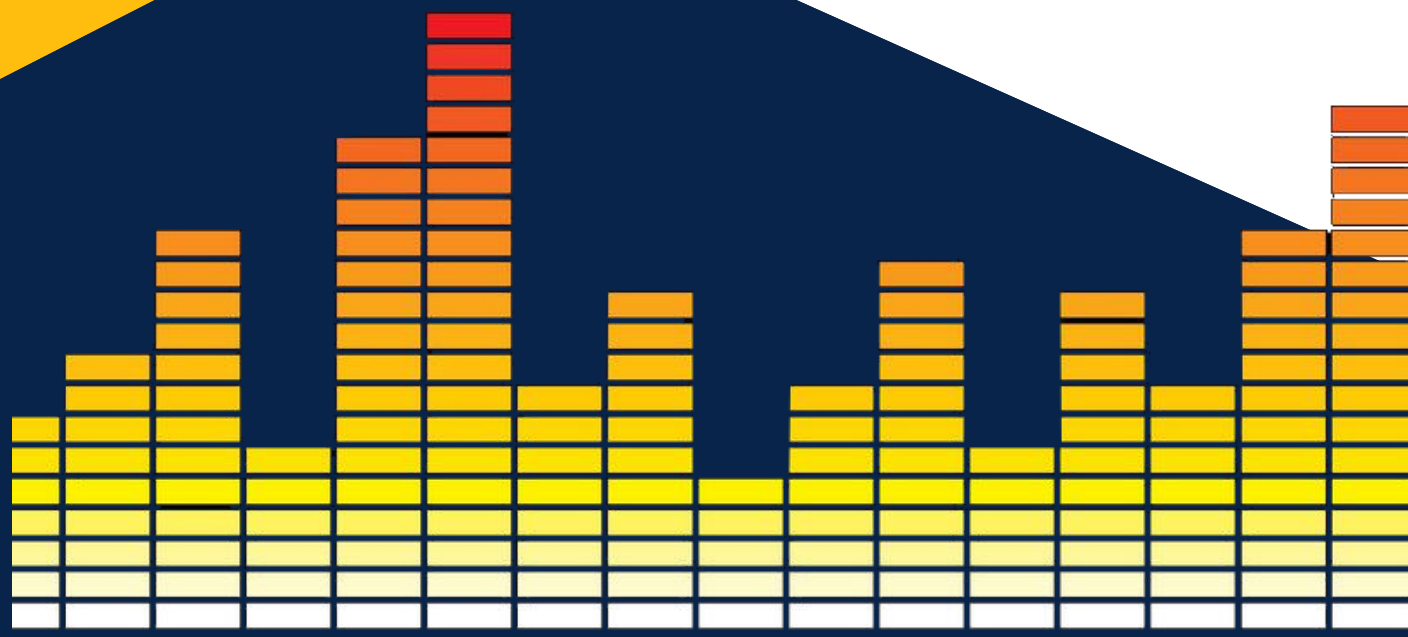
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DIGI-SYS

An ISO 9001:2015 Company



EASE IN DISTRIBUTION OF AUDIO SIGNAL

PRO DIGITAL AUDIO 600

DIGITAL AUDIO DISTRIBUTION AMPLIFIER

DIGI-SYS Pro Dig. Audio 600 is Digital Distribution amplifier used for Distributing Digital Audio data in AES/EBU format. It is designed to economically distribute audio signals in a Broadcast station or a recording studio. It can effectively feed the same source to various destinations without affecting the quality

- HIGH QUALITY DESIGN
- GREAT PERFORMANCE
- COST EFFECTIVE
- LONG LIFE
- GOOD EFFICIENCY
- COMPACT DESIGN
- MULTISTAGE PROTECTION

PRO DIGITAL AUDIO DISTRIBUTION AMPLIFIER - DA 600

Salient Features

- AES / EBU signal compliant
- 6 isolated outputs
- Short Circuit Protected.
- Excellent Isolation.
- Wide sample rate capability
- Long line loss compensation
- Stabilized Power Supply.

DIGI-SYS Pro Dig. Audio 600 is Digital Distribution amplifier used for Distributing Digital Audio data in AES/EBU format. It is Designed to economically Distribute Audio signals in a broadcast station or a recording studio. It can effectively feed the same source to various destinations without affecting the quality. The outputs of Pro Dig Audio 600 are through isolated drivers. This floating ground configuration allows the inputs and outputs to be patched freely through patching panel and drive long lines without interference.

DIGI-SYS Pro Dig Audio 600 has excellent frequency response and very low distortion, which has been achieved by selectively using integrated circuits and discrete devices. Extremely low noise levels are achieved by eliminating hum at all stages and using low noise devices. There is a common gain control allowing ± 10 dB level adjustments. The unit is housed in a 1U 19" rack mount chassis with power connections as per IEC recommendation.



Technical Specification

Input

- Input level (AES carrier) 0.2 Volts to 5 volts
- Input impedance 110Ω balanced on XLR
- Indicators (optional) LED bar graph.

Output

- Output level 5 volts PP
- Output impedance 110Ω balanced On XLR
- Gain Internal re-slicing & shaping of signal
- Frequency response 20Hz to 20KHz (48K sample rate)
- Resolution 24 Bit
- Sample rate supported 22KHz to 200 KHz (Auto select)
- No of outputs Six or Four
- Protected against Short circuits and overload
- SPDIF support Optional
- Connectors 3 pin XLR EMI suppression provided
- Power 115/230V ±10%, 50/60Hz ±4%, 20VA Max
- Jitter Les than 0.6 ns, (Typical 400 pico seconds)
- Operating Environment 0°C to 50°C, 10% to 95% RH, non-condensing

Following measurement with apply 48 kHz sample rate & 24 bit depth AES/EBU audio signal

- SNR Better than -146 dB
- Frequency Response 0.001 (20 Hz to 20 kHz)
- Distortion 0.00001%

Physical Dimension

- Size - HxWxD 44.5mm x 483mm x 203mm (1.75"x19"x8")

Note: SNR, Distortion, Frequency response and Phase error parameters in digital circuits are un-measurably low and hence are not specified in the main specifications and all DIGI-SYS products meets the theoretical limits.

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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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