

DIGIMATCH 2x6™

AES/EBU↔SPDIF Interface and 2x6 Digital Audio D.A.

Product Description

DigiMatch 2x6 is an AES/EBU-to-SPDIF interface and distribution amplifier for digital audio signals. DigiMatch has two distinct functions: (a) to convert between professional (balanced) AES/EBU and consumer (unbalanced) SPDIF digital audio signals; and (b) to distribute a digital input signal(s) to multiple destinations.

DigiMatch has 2 inputs and 6 outputs: an AES/EBU input and 3 AES/EBU outputs, plus an SPDIF input and 3 SPDIF outputs. Either input can feed either or both sets of outputs, producing 4 possible modes of operation:

Convert: AES/EBU input feeds SPDIF outs; SPDIF input feeds AES/EBU outs

DA-AES/EBU only: AES/EBU input feeds ALL outputs

DA-SPDIF only: SPDIF input feeds ALL outputs

DA-Split: AES/EBU input feeds AES/EBU outputs; SPDIF input feeds SPDIF outputs.

Modes are selected using front panel switches. The “Convert” mode is essentially a “digital MatchBox,” providing bi-directional conversion between AES/EBU and SPDIF digital circuits, without altering any data in the bitstream.

DigiMatch circuitry automatically corrects input levels that are out of tolerance. All 6 DigiMatch outputs can be used simultaneously and without interaction. The AES/EBU inputs and outputs are transformer isolated. All outputs are short-circuit protected and can drive long lines without signal degradation.

DigiMatch is 1/3 rack width and can be mounted in an optional rack shelf, or wall-mounted using optional wall/cabinet mounting brackets. DigiMatch is powered by an internal AC power supply.



Front

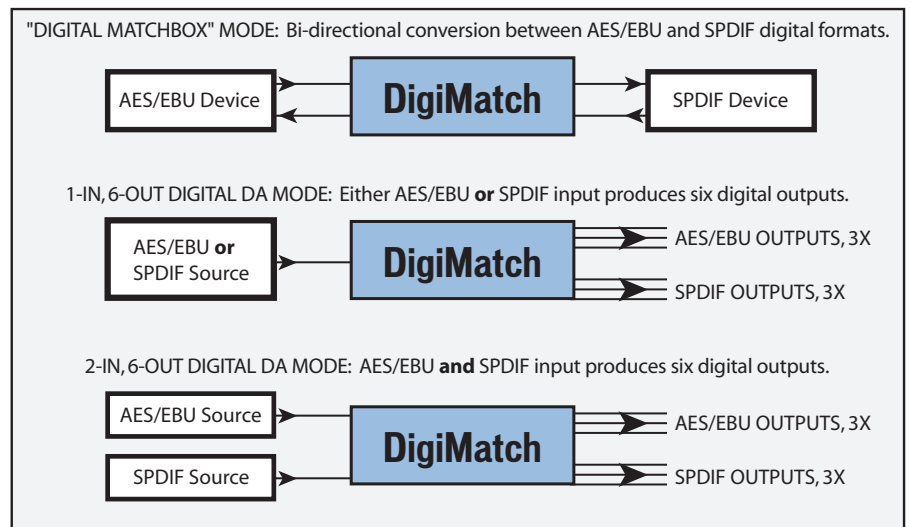


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Technical Specifications

Sample Rate	Any, 96 kHz or less
AES/EBU Input	XLR connector 110 ohm termination (switchable)
SPDIF Input	RCA connector 75 ohm termination (switchable)
AES/EBU Outputs	3 each, XLR connectors 110 ohm source impedance
SPDIF Outputs	3 each, RCA connectors 75 ohm source impedance
Throughput Delay	Less than 80 nanoseconds
Power Input	115/230 VAC, 5W
Construction	Steel enclosure
Physical	5.7" w x 1.7" h x 6.0" d, 3lbs
Approval	City of Los Angeles Elect. Test Lab

Typical Applications



Technical specifications subject to change without notice.