# **DIGIMATCH 2x6**<sup>™</sup>

## 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 Back

#### **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

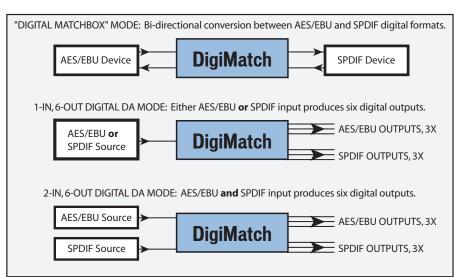
Construction Steel enclosure

**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.

503 Key Vista Drive Sierra Madre, CA 91024 USA

TEL (626) 355-3656 FAX (626) 355-0077

