



Model 80

Stereo Analog Audio Distribution Amplifier

Designed for a wide variety of recording, production, broadcast, and duplication applications, the Model 80 has one stereo input and eight stereo outputs.

The Model 80 from Studio Technologies, Inc. is the first distribution amplifier that meets the needs of the real world. The stereo input is intended to connect to virtually any line level audio source. The eight stereo outputs meet exacting professional standards. Capable of driving balanced or unbalanced loads, each output can drive +26dBu into 600 ohms. Using front panel switches, each output can be individually configured for a nominal output level of -10 or +4dBu. The ExactCal input calibration section allows for optimal audio performance over a -10 to +10dBu input level range.

One Stereo Input

The differential input circuitry is compatible with balanced or unbalanced signals having a nominal level range of -10 to +10dBu. Laser trimmed, the input offers superior common-mode signal rejection. To achieve optimal audio performance the ExactCal calibration section matches the specific input level with the Model 80's internal gain structure. Two controls and four LEDs allow fast, precise calibration. Unlike other distribution

amplifiers, the Model 80 ensures that excellent audio performance can be achieved with little or no hassle.

In addition to separate left and right input connectors, two input loop-through connectors are also provided. This simple feature can make installation with related equipment much easier. The loop-through connectors allow the Model 80's input source to be connected to another Model 80 or to yet another device.

Eight Stereo Outputs

The Model 80 contains eight independent stereo output sections. For compatibility with a range of facilities, each output section can be independently configured for -10 or +4dBu nominal output level. Each output features an electronically balanced circuit capable of driving balanced or unbalanced loads. Short circuit resistant, the rugged output circuits can drive full signal levels into 600 ohm or greater loads.

amplifiers, the Model 80 ensures that excellent audio performance can be achieved with little or no hassle.

In addition to separate left and right input connectors, two input loop-through connectors are also provided. This simple feature can make installation with related equipment much easier. The loop-through connectors allow the Model 80's input source to be connected to another Model 80 or to yet another device.

Audio Performance

The Model 80 is the result of exacting circuit design combined with the latest state-of-the-art components. Like all Studio Technologies products, the Model 80 has survived tough listening

evaluations by industry professionals. These veterans have the "ears" to guide us in achieving the right performance. The outcome is a product that achieves sonic excellence.

Features

- One stereo input with loop-through connector
- Transformerless laser-trimmed input circuitry
- ExactCal section allows input-level calibration
- Balanced or unbalanced operation inputs and outputs
- Eight independent stereo outputs
- Selectable -10 or +4dBu nominal output levels
- Designed to achieve sonic excellence
- Single rack space mounting

**STUDIO
TECHNOLOGIES
INC.**

5520 West Touhy Avenue
Skokie, Illinois 60077 U.S.A.
(847) 676-9177
Fax (847) 982-0747
www.studio-tech.com



Model 80 Specifications

Audio Input: stereo (1)

Type: electronically balanced, compatible with balanced or unbalanced signals

Impedance: 24k ohms

Nominal Input Level: -10dBu to +10dBu

Input Level Controls: allows calibration over full input level range

Loop-Through Connectors: hard wired in parallel with input connectors

Audio Outputs: stereo (8)

Type: electronically balanced, direct coupled

Compatibility: intended to drive balanced or unbalanced loads of 600 ohms or greater

Output Impedance: 50 ohms

Nominal Output Level: -10dBu or +4dBu, each output individually switch configurable

Maximum Output Level: +27dBu into 10k ohms, +26dBu into 600 ohms

Frequency Response: 10Hz-70kHz +0/-0.5dB (down 1dB @ 110kHz)

Distortion (THD+N): 0.004%

S/N Ratio: 91dB (20Hz-20kHz, ref. +4dBu)

Crosstalk: 75dB (1kHz, ref. +4dBu)

Connectors

Audio: ¼-inch, 3-conductor phone jacks, gold-plated contacts (manufactured by Neutrik)

AC Mains: standard 3-blade IEC-type

AC Mains Requirement: 100, 120, or 220/240V, ±10%, factory configured, 50/60Hz

Dimensions (Overall):

19.00 inches wide (48.3cm)

1.72 inches high (4.4cm)

6.65 inches deep (16.9cm)

(1 standard rack space)

Weight: 7.0 pounds (3.2kg)

Specifications subject to change without notice.



For further information on the Model 80 please contact:

Studio Technologies, Inc.

5520 West Touhy Avenue
Skokie, Illinois 60077 U.S.A.
(847) 676-9177
Fax (847) 982-0747