

DESCRIPTION

The ASD-880 stereo audio distribution amplifier is designed to meet the most demanding requirements of broadcast facilities, television post-production, and recording studios. This excellent amplifier provides two high-performance channels with four balanced outputs per channel. Outputs can be customized to low (66 ohms), or 600 ohms impedance. Excellent output isolation and interchannel crosstalk are ensured by the use of individual drivers for each output.

The input is over-voltage protected up to 120 Volts AC or DC. The transformerless, balanced input is normally bridging, but can be terminated by installing a suitable resistor. Unbalanced input is converted to balanced output.

The ASD-880's exceptional performance features include 100 dB S/N ratio, flat frequency response, carefully controlled roll-off and very low distortion, thus ensuring a virtually transparent transmission path.

FEATURES

- ▶ **1-in, 4-out stereo**
- ▶ **Available in 66 ohms, or 600 ohms output impedance**
- ▶ **Very low noise (100 dB S/N)**
- ▶ **Excellent interchannel crosstalk (>95 dB)**
- ▶ **Gain range of -6 to +33 dB**

SPECIFICATIONS

Specifications and designs are subject to change without notice.

INPUT

Impedance	>30 K ohms, balanced
Max. level	+30dBu (66 ohms), +24dBm (600 ohms)
Common mode range	±20V
CMR	>90dB @ 60Hz, >60dB @ 20KHz

OUTPUT

Channels	2
Outputs per channel	4
Impedance	66 ohms, 600 ohms balanced
Max. level	+30dBu (66 ohms), +24dBm (600 ohms)
Output to output isolation	>70dB, 20Hz to 20kHz

PERFORMANCE

Gain range	-6 to +33dB, (±6dB on 18-turn pot, 0, +9, +18, +27 dB on jumper)
S/N ratio	>100dB @ unity gain 20Hz -20 kHz, relative to +8dBu signal, unweighted
Frequency response	< ±0.05dB, 20Hz - 20 kHz, rel. to 1kHz, any level up to +30dBu (66 ohms), +24dBm (600 ohms)
Total harmonic distortion	<0.05%, 20Hz - 20 kHz @ +30dBu (66 ohms), +24dBm (600 ohms)
Isolation between modules	>100dB, 20Hz - 20 kHz
Intermodulation distortion	<0.02%, SMPTE @ +18dBu (66 ohms), +18dBm (600 ohms)
Interchannel crosstalk	>95dB, 20Hz -20kHz

ORDERING INFORMATION

For more information visit www.leitch.com

ASD-880	Stereo Audio Distribution Amplifier, 66 ohms
ASD-880-600	Stereo Audio Distribution Amplifier, 600 ohms
FR-883	4 DA frame with 85-270V power supply
FR-883-48	4 DA frame with 48VDC power supply
FR-884	12 DA frame with 85-270V power supply
FR-884-48	12 DA frame with 48VDC power supply
FR-684AV	5-video, 5-audio frame with power supply
884PS	Redundant 85-270V power supply
884PS-48	Redundant 48VDC power supply
101ME	Module extender