

Precision Dual Line Amplifier

L1000-1

The ATI Model L1000-1 is the ideal product to upgrade a low output console, drive phone lines, boost inputs, cancel hum, interface Hi Impedance outputs to balanced lines, compensate for line loss, sum L+R, check phase, and drive meters and headphones. The L1000-1 has balanced, bridging inputs and transformer balanced outputs. It accepts up to +24dBm input level and provides +22dBm output with 34dB gain. The unit is 1/2RU wide, and up to two units can be mounted in our 21075-501 19-inch Rack Shelf. The L1000-1 has barrier block terminals.

Inaudible crosstalk characteristics allow use for either stereo or dual monaural applications. Dual gain controls are provided to facilitate either mode of operation. The rugged, zener diode regulated power supply is designed to live through line transients and simultaneously protect your circuitry.

- DRIVE HEADPHONES
- DRIVE PHONE LINES
- CANCEL HUM
- INTERRUPT GROUND LOOPS
- BOOST INPUTS
- BOOST LOW CONSOLE OUTPUTS
- SUM L+R
- INTERFACE HI-Z TO 600 OHMS
- COMPENSATE FOR LINE LOSSES



Models

- L-1000-1 DUAL LINE AMPLIFIER WITH TRANSFORMER BALANCED OUTPUTS

Precision Dual Line Amplifier

Technical Specifications

L1000-1

GAIN	34dB, front screwdriver adjustments standard, knobs optional
OUTPUT LEVEL	+22dBm, 600 ohms
INPUT CLIPPING LEVEL	+24dBm bridging, 600 ohms, 20Hz-20KHz
NOISE	-106dBm EIN, 20Hz- 20KHz
FREQUENCY RESPONSE	±.25dB, 20 to 20KHz.
DISTORTION	.001% typical, 20Hz- 20KHz
HUM REJECTION	80dB for common mode hum
CROSSTALK	70dBm maximum at 10kHz
INPUT IMPEDANCE	30Kohm balanced differential input stage with input protection diodes and RF bypassing
CONNECTORS	Rear panel screw terminals
DIMENSIONS	8.5" (21.6cm) W x 1.75" (4.4cm) H x 7" (17.8cm) D
WEIGHT	4 LBS. (1.8kg)
MOUNTING	Unit supplied for desk top mounting. Accessory Rack Shelf 21075-501 mounts up to 2 units in 1RU rack space. Use 21098-501 1/2RU Filler Panel when mounting only one unit.
POWER	115/230VAC +/-10%, 47-63Hz, 10VA. Unit is shipped for 115VAC operation; factory or field wiring change required for 230VAC.
WARRANTY	Limited, One Year Warranty