

# Dual Line / Buffer Amplifier

L200

The NANOAMP **L200** Dual Line/Buffer Amplifier is an inexpensive high performance amplifier, which is ideal as a gain block, attenuator, impedance converter and signal splitter. It can also be configured as a stereo to mono summing amplifier with the addition of an internal jumper.

The inputs provide a balanced 40k ohm bridging impedance for line levels up to +24dBm. Two screwdrivers adjust, full range gain controls provide 28dB gain at full clockwise rotation, unity gain at twelve o'clock and a smooth audio taper to full off.

- +22dBm low distortion outputs drive balanced or unbalanced 600 ohm lines.
- The L200 uses rugged XLR type input and output connectors.
- Quiet external UL approved 24VDC wall mount power modules comfortably drive several NANOAMPS
- Battery packs and DC to DC converters for portable use are also available.
- Stack them or rack mount one, two or three in only 1-3/4 inches.



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## Technical Specifications

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<b>GAIN</b>	28dB maximum, 0dB at 12 o'clock pot position
<b>NOMINAL LEVELS</b>	+4dBu in, +4dBm out to 600 ohm balanced load.
<b>PEAK LEVELS</b>	+24dBu in, +22 dBm out to 600 ohm balanced load.
<b>NOISE 20kHz B.W.</b>	-90dBm maximum output.
<b>HARMONIC DIST.</b>	.02% Max at Peak Level
<b>20Hz to 20 kHz</b>	.005% max. at Nominal Level
<b>FREQUENCY RESPONSE</b>	+/- .25dB, 20 to 20,000Hz
<b>CROSSTALK</b>	70dB minimum at 10kHz
<b>INPUT IMPEDANCE</b>	Balanced, 40kohm bridging
<b>OUTPUT IMPEDANCE</b>	Balanced, 40 ohms maximum Zs
<b>DIMENSIONS</b>	1.5"H by 5.5"W by 5.75"D; Weight: 1.5 Lbs. Net
<b>CONNECTORS</b>	XLR (balanced input/outputs)
<b>POWER</b>	24VDC @ .07A , connector sleeve is positive.
<b>MODEL NUMBER</b>	L200, CE marked certified
<b>POWER SUPPLIES</b>	All units require 24VDC power supply which is ordered separately. Nanoamps can share a single supply using loop thru DC cable (P/N 20602-1). Do not exceed rated supply current.
WA100-1	Wall mount power supply (UL) , 24VDC @ .4 amp, 115 VAC/60 Hz.
WA100-2	Table top power supply, 24VDC @ .4 amp, 230 VAC/50-60 Hz with IEC 320 male 3 pin AC input connector. User supplies matching AC line cord for local power system.
BBU100-1	Battery Pack unit houses four 9V alkaline batteries (batteries not included). 4 to 6 hour life.
DC100-1	DC to DC converter powers several units from 12VDC mobile and belt pack batteries.
20602-1	DC power cable assembly for looping the DC power between NanoAmps.
<b>WARRANTY</b>	Limited, One Year Warranty