

SOLID STATE INTEGRATED AMPLIFIERS L-80 AND L-80V

LUXMAN 80 80V

NEW ADVANCED AMPLIFIERS FROM LUXMAN WITH FRESH DESIGN PHILOSOPHY!

The L-80 series (L-80, L-80V and L-85V) were designed to create a refined yet medium priced series of integrated amplifiers whose basic concepts reflect on LUX's most prestigious units – the M-6000 power amplifier and the C-1000 control center.

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LUX CORPORATION



A tremendous amount of time and energy was spent to achieve excellent tonal quality through unique and innovative circuit design. That combined with sophisticated styling makes these units beautiful to the ear and eye.

The L-80 and L-80V are very similar in appearance with the major difference being in output power; the L-80 offering 40W and the L-80V rated at 50W. Fundamentally, the same attitude was taken on both units regarding circuit design.

The power amplifier section is a whole-stage direct-coupled OCL system and the output stage is pure complementary. The differential amplifier circuit is composed of 2 stages to ensure DC stability throughout the entire power amplifier section. Selected transistors are used especially at the 1st differential stage which have high treble cut-off frequency and large collector output capacity. At the same time, the pre-driver stage is driven by constant current so that cross-over distortion (triggered by class "B" operation of the output stage) is suppressed. This is a technical feature common to all current LUX amplifiers at cross-over distortion.

L-80 SPECIFICATION

Power Output:	40 watts minimum continuous per channel, into 8-ohm loads, both channels driven, from 20Hz to 20,000Hz, at no more than 0.5% total harmonic distortion
Rated I.M.D.:	no more than 0.1% (8-ohm loads, 40W/ch, 60Hz, 7KHz = 4:1)
Frequency Response:	10Hz-20,000Hz (-1dB)
Input Sensitivity:	2.5mV (phono-1 & 2) 125mV (tuner) 125mV (aux-1 & 2)
Input Impedance:	65K ohms (phono-1 & 2) 50K ohms (tuner) 50K ohms (aux-1 & 2)
S/N Ratio:	Better than 63dB (phono-1 & 2) Better than 70dB (tuner) Better than 75dB (aux-1 & 2)
Tone Controls:	LUX NF type Treble: 3 KHz Bass: 300Hz
Filters:	low cut 20Hz (automatic), 70Hz high cut 70Hz, 12KHz
Damping Factor:	25 (8-ohm loads)
Residual Hum & Noise:	no more than 1.5mV
Additional Features:	Line boost & loudness switch, Tape monitor circuit (aux-1 & 2), Tape dubbing switch, Tape connector (DIN), Speaker selector switch (A speakers, B speakers), Headphone jack, Extra AC outlet (switched 1, unswitched 1)
Power Consumption:	150W (8-ohm, both channels driven, max. output)
Dimensions:	450W (17-23/32") x 300D (11-13/16") x 180mm (H) (5-5/16")
Weight:	Net 5.5 Kgs Gross 11 Kgs

tion could impair sound quality and should be minimized.

An important feature of the pre-amplifier section is the equalizer circuit wherein the same basic circuit as the C-1000 control center is used. The operation amplifier is composed of a special IC which inherently has high loop gain and the closed frequency is that of the BIAA equalizer, which ensures unconditional stability and overall improvement of various characteristics such as distortion, etc. throughout the entire bandwidth with sufficient amount of negative feedback.

The buffer amplifiers incorporate an orthodox 2-stage direct-coupled circuit and also LUX's well known NF (Negative Feedback) type potentiometers for the tone controls. On the L-80V the turnover (roll-off) frequency for tone control is interchangeable in 2 steps with a useful "default" position while the L-80 allows independent control of bass and treble ranges for both left and right channels.

L-80V SPECIFICATION

Power Output:	50 watts minimum continuous per channel, into 8-ohm loads, both channels driven, from 20Hz to 20,000Hz, at no more than 0.05% total harmonic distortion
Rated I.M.D.:	No more than 0.05% (8-ohm loads, 50W/ch, 60Hz, 7KHz = 4:1)
Frequency Response:	5Hz-20,000Hz (-1dB)
Input Sensitivity:	2.5mV (phono-1 & 2) 125mV (tuner) 125mV (aux-1 & 2)
Input Impedance:	65K ohms (phono-1 & 2) 50K ohms (tuner) 50K ohms (aux-1 & 2) 50K ohms (monitor-1 & 2)
S/N Ratio:	Better than 65dB (phono-1 & 2) Better than 60dB (tuner) Better than 60dB (aux-1 & 2) Better than 60dB (monitor-1 & 2)
Tone Controls:	LUX NF type Treble: 3KHz, 6KHz, default Bass: 100Hz, 300Hz, default
Filters:	low cut 20Hz (automatic), 70Hz high cut 70Hz, 12KHz
Damping Factor:	40 (8-ohm loads)
Residual Hum & Noise:	No more than 1.2mV
Additional Features:	Line boost & loudness switch (line boost cut: 15dB) Tape monitor circuit (50K: 1 & 2) Tape dubbing switch (1 to 2, 2 to 1) Tape connector (DIN) Mode selector switch (tuner, record & monitor) Speaker selector switch (A speakers, B speakers) Headphone jack Extra AC outlet (switched 1, unswitched 1)
Power Consumption:	200W (8-ohm, both channels driven, max. output)
Dimensions:	450W x 300D (17-23/32" x 11-13/16" x 5-5/16")
Weight:	Net 10.1 Kgs (22.2 lbs) Gross 12 Kgs (26.4 lbs)

Dimensions and weights shown subject to product design without notice.

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