

SINCE 1925

2007 Vol. 3

LUXMAN

AUDIO COMPONENTS

2007 Vol.3



LUXMAN CORPORATION

C CONTROL AMPLIFIER

C-1000f



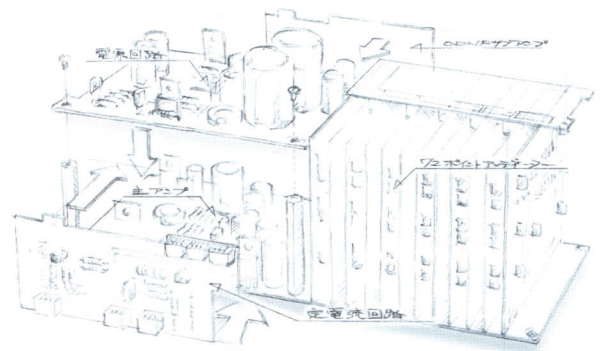
Startling musical clarity is achieved through meticulous engineering and countless hours of fine tuning. Over thirteen years in design, Luxman's flagship control amplifier, the C-1000f has a custom attenuator, the LECUA 1000, to maintain a pure musical signal, for any one of its 72 volume settings, only two resistors are in the signal path, for any one channel. The custom made resistors are fine tuned, one by one to maintain purity. Luxman's most advanced ODNF circuit is employed, release 2.4.

SPECIFICATIONS

- Input Sensitivity/ Impedance: 335mV / 51K Ω RCA
- Output Impedance: 1V / 210 Ω , maximum 4.5V RCA
- Harmonic Distortion: 0.0007% (1KHz) Balanced
- Frequency Response: 10Hz - 116KHz (+0, -3 dB)
- Signal-to-Noise Ratio: 127dB (1KHz {IHF-A}) XLR
- Inputs: 3 unbalanced RCA, 3 balanced XLR
- Outputs: 2 unbalanced RCA, 2 balanced XLR
- Power Consumption: 18W
- Dimensions: 17.3 (W) x 5.3 (H) x 16.9" (D)
- Weight: 51 lbs.

The LECUA 1000 is located next to the amplifier section to achieve a short signal path, minimizing corruption by Radio Frequency (RFI) or Electro Magnetic (EMI) interferences.

To reduce mechanical vibration, all of the components are suspended from the exquisitely machined top-plate.



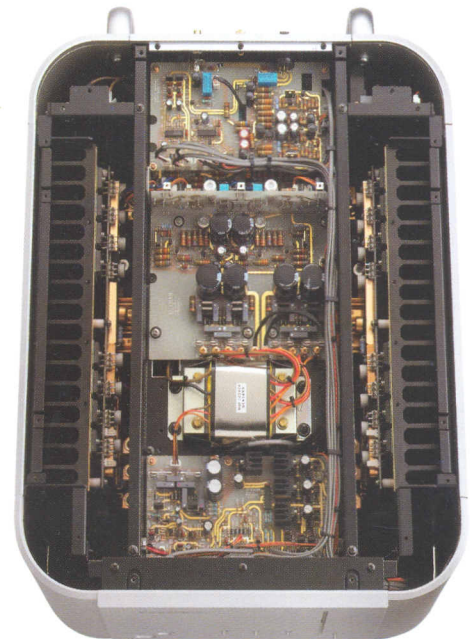
B MONAURAL POWER AMPLIFIER

B-1000f



Fifteen years in development; the Luxman Board approved completion of the B-1000 in 2003 only two years before Luxman's 80th Anniversary in 2005. The B-1000f flagship monoblocks are a showcase for what Luxman have achieved over the past eighty years.

Equipped with ODNF version 2.3. With continuous output power of 2,000 watts into 1 Ω , it will easily drive the most difficult speaker loads.

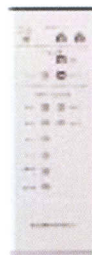


SPECIFICATIONS

- Continuous Output: 250W / 8 Ω , 500W / 4 Ω , 1,000W / 2 Ω , 2,000 / 1 Ω
- Input Sensitivity/ Impedance: 1V / 51K Ω RCA, 67K Ω XLR
- Output Impedance: 1V / 210 Ω , maximum 4.5V RCA
- Harmonic Distortion: 0.0007% (1KHz) Balanced
- Frequency Response: DC-150KHz (+0, -3 dB)
- Signal-to-Noise Ratio: 118dB (1KHz {IHF-A}) XLR
- Power Consumption: 439W (rated power) 232W (idle), 0.7W (stand-by)
- Dimensions: 16.9 (W) x 11.6 (H) x 23.3" (D)
- Weight: 141 lbs.

INTEGRATED AMPLIFIERS

L-505u • NEW



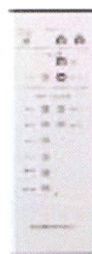
To Be Released in Q.IV, 2007

- The L-550u is a fully featured integrated amplifier, with a wonderful phono stage, multiple inputs, tone controls (fully defeated at the touch of a button) and now sports an electronic input selector (trickle-down technology from the flagship C-1000f. It is a wonderful taste of Luxman.

SPECIFICATIONS

- Continuous Output: 100W + 100W/8Ω
- Inputs and Output: Line x 4, (Phono - MM/MC), 1 x balanced line, REC 2, main in, pre-out, Speaker output 2 systems
- Main Functions: Headphone output, Tone Controls and Line Straight and Sub Sonic filter, REC selector, Remote Control
- Power Consumption: 85W (idle), 220W (rated output)
- Dimensions: 18.3"(W) 7"(H) 17.25"(D)
- Weight: 46.2 lbs.

L-550AII Pure A • NEW

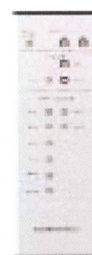


Luxman originally introduced the L-550A in 2005. Since then they released their 80th anniversary commemoration models, which have repositioned Luxman at the pinnacle of high-end audio. the gorgeous texture and 3-D dimensionality of the original Class A amplifiers has been retained and yet further refined. Meanwhile the electronic selector switch from the C-1000f control amplifier was adopted for the input selection, which has lowered channel crosstalk and increased channel separation.

SPECIFICATIONS

- Continuous Output: 20W+20W/8 Pure Class A
- Input Sensitivity/Impedance: PHONO (MM): 2.5mV/47K PHONO (MC): 0.3mV/100, LINE: 180mV/42K
- Harmonic Distortion: 0.006% or less (8 at 1KHz)
- Signal-to-Noise Ratio: LINE: Above 106dB
- Frequency Response: LINE: 20Hz-100KHz (+0, -3.0dB)
- Dimensions: 18.3"(W) 7"(H) 17.1"(D)
- Weight: 48.4 lbs.

L-590AII Pure A • NEW



The L-590AII has also benefited from the trickle-down technology gained from producing the 80th anniversary commemoration C-1000f control amplifier; both in a variation of the LECUA 1000 volume control as well as in the electronic input selector. Noise and distortion has been kept to a minimum with ODNF version 2.2A. the deep, rich Class A tone is available here in Luxman's most powerful Class A integrated amplifier.

SPECIFICATIONS

- Continuous Output: 30W+30W/8 Pure Class A
- Input Sensitivity/Impedance: PHONO (MM): 2.5mV/47K PHONO (MC): 0.3mV/100, LINE: 180mV/42K
- Harmonic Distortion: 0.005% or less (8 at 1KHz)
- Signal-to-Noise Ratio: LINE: Above 107dB
- Frequency Response: LINE: 20Hz-100KHz (+0, -3.0dB)
- Power Requirements: 280W (idle), 280W (rated output)
- Dimensions: 18.3"(W) 7"(H) 17.1"(D)
- Weight: 66.25 lbs.

L-509u • NEW



No compromises made for sound quality; designed for the musical purist. This is Luxman's ultimate integrated amplifier.

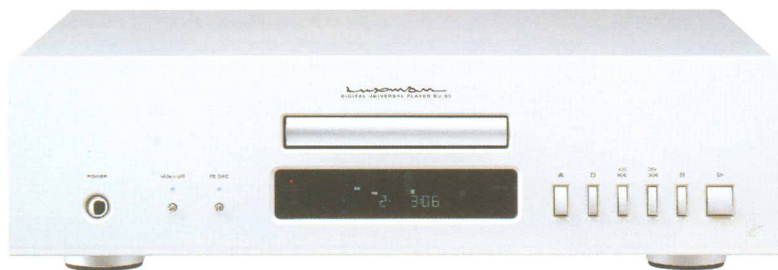
- Equipped with ODNF version 2.2 for minimal noise and distortion.
- Has the solid brass, four gang attenuator from the CL-88 tube preamp.
- Electronic input selector, trickle down technology from the flagship C-1000f preamp.
- Relay power source with large storage capacity.
- Has one pair of RCA inputs with Luxman's eddy current defeating technology.
- Peel Coat PCB with gold plated traces.
- Switch to split the preamp from the power amp.
- High quality phono stage.

SPECIFICATIONS

- Continuous Output: 120W+120W/8, 240W+240W/4
- Input Sensitivity/Impedance: PHONO (MM): 2.5mV/47K PHONO (MC): 0.3mV/100, LINE: 180mV/42K
- Harmonic Distortion: 0.003% or less (8 at 1KHz)
- Signal-to-Noise Ratio: LINE: Above 107dB
- Frequency Response: LINE: 20Hz-100KHz (+0, -3.0dB)
- Dimensions: 18.3"(W) 7"(H) 17"(D)
- Weight: 62.7 lbs.

DIGITAL UNIVERSAL PLAYERS

DU-50

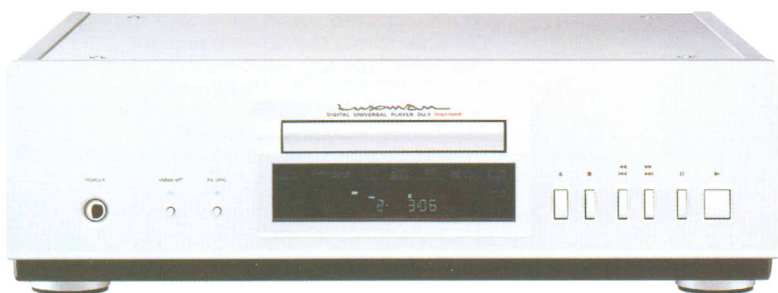


Universal music player. It is no surprise that the emphasis is on sound quality, it's video performance is a bonus. A choice of two different audio DACs (digital to analogue converters) are on board. The video circuitry may be turned off from the front panel.

SPECIFICATIONS

- Compatible Formats: DVD audio, DVD video, SACD (multichannel, stereo), and CD
- Audio DACs: Shannon: CS4392 dual use (192KHz/24bit)
Fluency: FN1242A dual use (192KHz/24bit)
DSD: CS4392 dual use (2.82MHz/1bit)
- Audio Decoder: DVD audio stereo & multichannel, SACD stereo and multichannel, Dolby Digital and DTS
- Frequency Response: 4Hz~45KHz (DVD audio, SACD), 4Hz~20KHz (CD)
- Harmonic Distortion: 0.001% (DVD audio, CD), 0.002% (SACD)
- Dynamic Range: 115dB (DVD audio, SACD), 106dB (CD)
- Signal-to-Noise Ratio: 123dB
- Video DAC: ADV7314KST (216MHz/14bit)
- Progressive Processing: 2:3 pull-down and 3D adaptive motion processing. Pure Cinema Progressive Scan
- Power Consumption: 18W
- Dimensions: 18.3"(W) x 5.2(H) x 14.5(D)
- Weight: 28.6 lbs.

DU-7i



SPECIFICATIONS

- Compatible Formats: DVD audio, DVD video, SACD (multichannel, stereo), and CD
- Audio DACs: Shannon: CS4392 dual use (192KHz/24bit)
Fluency: FN1242A dual use (192KHz/24bit)
DSD: CS4392 dual use (2.82MHz/1bit)
- Audio Decoder: DVD audio stereo & multichannel, SACD stereo and multichannel, Dolby Digital and DTS
- Frequency Response: 4Hz~45KHz (DVD audio, SACD), 4Hz~20KHz (CD)
- Harmonic Distortion: 0.001% (DVD audio, CD), 0.002% (SACD)
- Dynamic Range: 115dB (DVD audio, SACD), 106dB (CD)
- Signal-to-Noise Ratio: 123dB
- Video DAC: ADV7314KST (216MHz/14bit)
- Progressive Processing: 2:3 pull-down and 3D adaptive motion processing. Pure Cinema Progressive Scan
- Power Consumption: 27W
- Dimensions: 18.3"W x 5.8 (H) x 15.5 (D)
- Weight: 33 lbs.

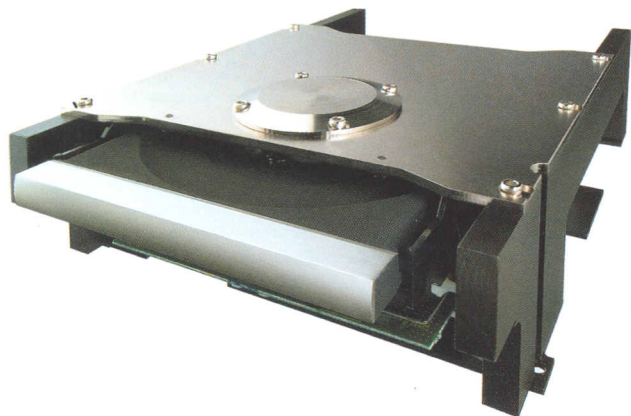
DU-80



Luxman's top of the line universal music player, features many unique technical innovations, such as Peel Coat PCB with gold plated traces. An 8 lbs. mechanical grounding system for the drive mechanism, the bottom chassis plate is stiffened by epoxy, then a smaller copper plate is placed in the center to absorb stray Radio Frequency Interference & Electro Mechanical Interference. Truly a wonderful sounding all format music player.

SPECIFICATIONS

- Compatible Formats: DVD audio, DVD video, SACD (multichannel, stereo), and CD
- Audio DACs: Shannon: CS4392 dual use (192KHz/24bit)
Fluency: FN1242A dual use (192KHz/24bit)
DSD: CS4392 dual use (2.82MHz/1bit)
- Audio Decoder: DVD audio stereo & multichannel, SACD stereo and multichannel, Dolby Digital and DTS
- Frequency Response: 4Hz~45KHz (DVD audio, SACD), 4Hz~20KHz (CD)
- Harmonic Distortion: 0.001% (DVD audio, CD), 0.002% (SACD)
- Dynamic Range: 115dB (DVD audio, SACD), 106dB (CD)
- Signal-to-Noise Ratio: 125dB
- Video DAC: ADV7314KST (216MHz/14bit)
- Progressive Processing: 2:3 pull-down and 3D adaptive motion processing. Pure Cinema Progressive Scan
- Dimensions: 18.3"W x 5.8 (H) x 15.6 (D)
- Weight: 46 lbs.



In the DU-80 music player the drive mechanism is mounted in a special eight pound, mechanical grounding housing. Even the Konbohuretsukusu loading tray is painted with a special dampening material, specially chosen for its sonic qualities.

VACUUM TUBE CONTROL AMPLIFIER

CL-88



Luxman's stereo vacuum tube control amplifier, with a precision made brass, four gang volume control, featuring an in-built mute function. By touching the centre of the volume control, the sound mutes at once. Signal switching is performed by a golden switch immersed in a nitrogen container, located near the input terminals in order to maintain a low S/N Ratio.

SPECIFICATIONS

- Input Sensitivity/input Impedance: 100mV/90K Ω
- Output/output impedance: 1V/1K Ω
- Total Harmonic Distortion: 1KHz 0.013%
- Vacuum Tube Compliment: ECC83S / ECC82
- Frequency Response: 5Hz – 100KHz, +0, -3dB
- Signal-to-Noise Ratio: >93dB, (1KHz, IHF-A)
- Inputs: 4 stereo pairs
- Outputs: 1 stereo pair
- Power Consumption: 12W
- Dimensions: 10" (W) x 3.75" (H) x 15.2 (D)
- Weight: 18 lbs.

EQ-88



Vacuum Tube Moving Magnet Phono Stage for use with the Luxman CL-88, from which it draws its power. RIAA equalization is on board. If you wish to use a Moving Coil Cartridge, a MT-88 step-up transformer will be needed in addition to the EQ-88.

SPECIFICATIONS

- Input Sensitivity/input Impedance: 1.5mV/47K Ω
- Output/output impedance: 150mV/600 Ω
- Inputs: RCA, one pair
- Outputs: RCA, one pair
- Vacuum Tube Compliment: ECC83S x 3
- Dimensions: 4.3"(W) x 4"(H) x 12.4" (D)
- Weight: 5 lbs.

VACUUM TUBE POWER AMPLIFIERS

MT-88



Moving Coil step-up transformer for use with EQ-88 and the CL-88. Does not add any noise to the signal, as it is a passive device. The combination of low distortion, wide bandwidth and superior common-mode rejection make these transformers an ideal choice for moving coil applications.

SPECIFICATIONS

- Input Impedance: 3 Ω
- Output Impedance: 2K Ω
- Load Impedance: >47K Ω
- Dimensions: 3.5"(W) x 3.3"(H) x 9.4"(D)
- Weight: 4 lbs.

MQ-88



Luxman has a long tradition of producing some of the finest vacuum tube amplifiers in the world. The MQ-88 has taken that tradition and incorporated some recent innovations in resonance & vibration control to raise the ante even higher. By cleverly hanging the electronics from the 15mm top plate, resonances & mechanical vibrations are isolated from the delicate vacuum tube electronics.

SPECIFICATIONS

- Rated Output: 50W + 50W /6 Ω ,
- Input Sensitivity/ Impedance: 420mV/100K Ω
- Output Impedance: 1V / 210 Ω , maximum 4.5V RCA
- Harmonic Distortion: 1.5% (1KHz)
- Frequency Response: 5Hz – 90KHz (+0, -3 dB)
- Signal-to-Noise Ratio: 101dB (1KHz (IHF-A))
- Power Consumption: 190W (rated power)
- Dimensions: 15.75"(W) x 7.3"(H) x 15.6"(D)
- Weight: 55 lbs. net

NEOCLASSICO SYSTEM

SQ-N100 • NEW



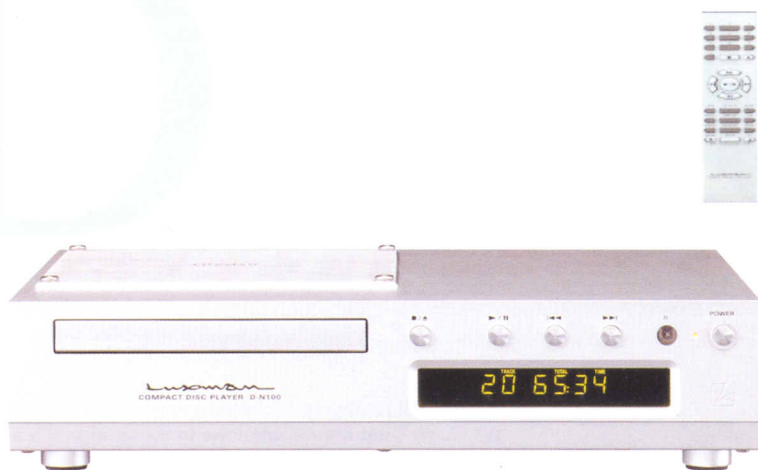
"The NeoClassico design harks back..."

When Luxman set out to design their compact EL-84 based vacuum tube integrated amplifier, they painstakingly researched every detail and individual component until each stage of the amplifier and preamplifier was created without compromise. With each design consideration came extensive listening sessions to be certain that the end result was one of the most musically satisfying integrated amps on the market. Only then did they feel that the SQ-N100 was ready to carry forward Luxman's tradition of building audio products that marry function and form in a beautiful package.

SPECIFICATIONS

- Rated Output: 12W+12W /6Ω,
- Inputs: 3 line and one 1 MM phono
- Input Sensitivity/ Impedance: 150mV / 47KΩ line, 2.2mV / 47KΩ phono
- Output Impedance: 1V / 210Ω, maximum 4.5V RCA
- Harmonic Distortion: 0.009% (1KHz) Balanced
- Frequency Response: 20 – 50KHz (+0, -3 dB)
- Signal-to-Noise Ratio: >90dB (1KHz (IHF-A))
- Vacuum Tube Compliment: ECC83 × 1, ECC82 × 2 and EL84 × 4
- Power Consumption: 95W (rated power) 71W (idle)
- Dimensions: 11.7"(W) x 4"(H) x 10.2"(D)
- Weight: 25 lbs. net

D-N100 • NEW



Enjoy a big musical performance from a small jewel-like musical box. By cleverly hanging the transport mechanism from the top plate, the drive mechanism's vibrations are isolated from the delicate electronics. This compact CD player upsamples regular CDs (44.1 Hz/16 bit) to 176.4 KHz/24 bit for a smoother, natural & more musical playback. Remote Control included.

SPECIFICATIONS

- Frequency Response: DC~20KHz
- Harmonic Distortion: 0.005% 1KHz
- Dynamic Range: >95dB
- Signal-to-Noise Ratio: >92dB
- Power Consumption: 15W
- Dimensions: 11.7"(W) x 3"(H) x 8.8"(D)
- Weight: 9 lbs.

E-1 PHONO STAGE



Luxman's highest quality phono stage, allows the music lover to choose between two independent tonearm / cartridge inputs from the front panel. Adjustable input impedance.

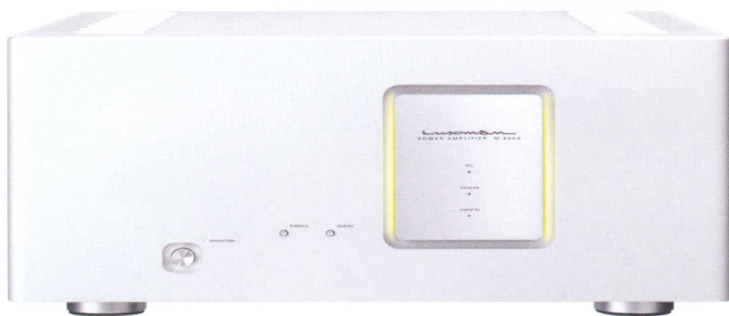
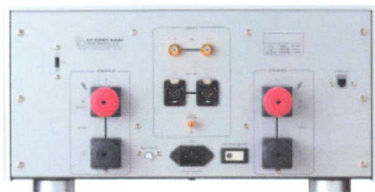
SPECIFICATIONS

- System MM/MC independent NF type Ikoraiza + CR type
- Input Sensitivity 4mV MM 0.2mV MC
- Input Impedance

Low	34kΩ MM	28Ω MC
Mid	50kΩ	106Ω
High	5kΩ	560Ω
- Gain 36dB 62dB 1KHz
- Output Voltage 250mV 1KHz
- Output Impedance 230Ω
- Signal-to-Noise Ratio 103dB 83dB IHF-A
- Channel Separation 10KHz Above 90dB
- Power Consumption 11W
- Dimensions 18.4"(W) x 3.2"(H) x 15.9"(D)
- Weight 20 lbs. net

STEREO AMPLIFIER

M-800A • NEW



- Beneath the elegant shell of a Luxman amplifier, lies innovative circuitry, meticulous attention to detail and plain common sense. Using trickle down technology from the flagship B-1000f, comes this stereo Class A power-house amplifier, with pure 60 x 2 watts per channel, it is stable driving any loudspeaker, even 1 ohm loads, with 480 watts to spare.

Luxman have a tradition of having VU meters in all of their solid-state amps & integrated amps, interestingly enough they have updated the monoblocks & stereo amps with a vertical, yellow display bar graph, that can be dimmed or turned off completely. The industrial design has also been modernized with smooth round corners & the heat sinks have been placed inside the chassis.

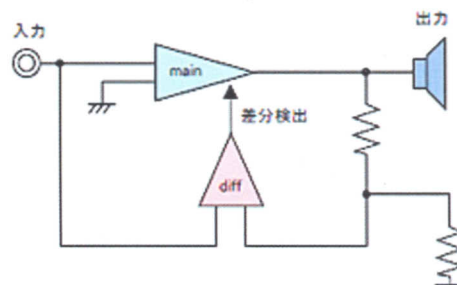
SPECIFICATIONS

- Rated Output: 60W+60W /8Ω, 120W + 120W /4Ω
240W /8Ω, 480 /4Ω bridged monoblock
- Installed Capacity: 240W + 240W / 2Ω, 480 + 480W /1Ω
960W /2Ω bridged monoblock
- Input Sensitivity/ Impedance: 773mV / 51KΩ RCA, 67KΩ XLR
- Output Impedance: 1V / 210Ω, maximum 4.5V RCA
- Harmonic Distortion: 0.009% (1KHz) Balanced
- Frequency Response: DC – 130KHz (+0, -3 dB)
- Signal-to-Noise Ratio: 117dB (1KHz (IHF-A)) XLR
- Power Consumption: 439W (rated power) 232W (idle), 0.7W (stand-by)
- Dimensions: 17.25"(W) x 8.8"(H) x 19"(D)
- Weight: 107 lbs. net, 175 lbs. shipping weight

WHY LUXMAN IS SUPERIOR

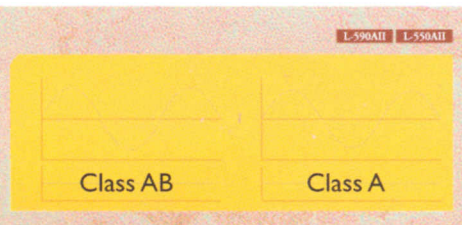
Luxman hold many patents for audio engineering, amongst them is the application of Global Negative Feedback to the output stage, which while widely used throughout the audio industry, they no longer use themselves.

Luxman nowadays use a distortion reduction circuit called Only Distortion Negative Feedback (ODNF). This system works by isolating noise & distortion at the output from the music signal and sparingly applying negative feedback to suppress them. Conventional negative feedback systems can have an adverse effect on the music, introducing phase distortion. "The circuit features such an ultra-wide range, ultra-high slew rate and ultra low distortion that it does not use phase compensation for the music signal amplifying circuits." This new technology also ensures that need for a DC servo circuit is alleviated, again improving sound quality. The neat thing is that ODNF is only applied to that portion of the music signal that is noisy or distorted, if the rest of the music is clean, then nothing needs to be done. Simple and elegant.



Pure **A**
PURE CLASS A...
PURE MUSIC

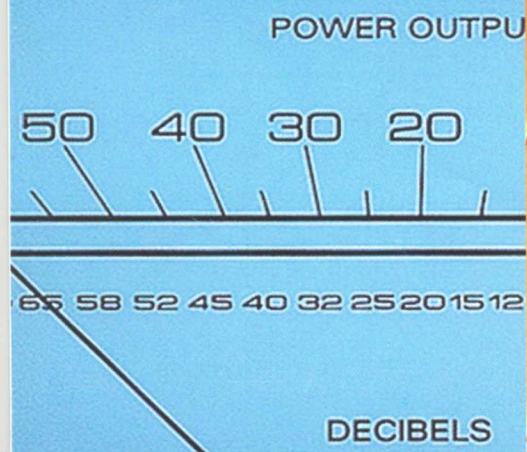
- Class-A Output device(s) conduct through 360 degrees of input cycle
- Class-AB Output devices conduct for 181-200 degrees.



Because the transistors in a Class-A amplifier are never switched off, there is obviously no crossover distortion. After all, there is no crossover, where one transistor turns off, and the other supplies the load current.

Power output of 20 or 30 watts does not sound like a lot, but as many owners of class A amplifiers know; a class A amplifier usually sounds like a much larger amplifier, when compared to class B (and A/B) amplifiers. This is due to among other factors the large, oversized power supply, which make the amplifier capable of delivering power to the most peculiar loudspeaker loads.

It has been proven in many listening tests that "pure" Class-A amplifiers sound better than those working in Class-B, AB or D. The improvements are increased low-level detail and ambience. These improvements are attributable to the active devices operating in their linear region without abrupt nonlinearities and without any turn-on/turn-off delays, which is the basis of crossover distortion. Also Pure Class A amplifiers, because of their massive power supplies, are capable of high current and so are capable of driving difficult loudspeaker loads better than Class-AB or D amplifiers.



LUXMAN

Ultimate Fidelity since 1925:
crafted by Luxman Corporation, Japan

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