

# LUXMAN

INTEGRATED AMPLIFIER  
**L-100 CENTENNIAL**

Class-A



100<sup>th</sup>  
ANNIVERSARY  
since 1925

# LUXMAN 100th Anniversary — L-100 CENTENNIAL, the Ultimate Pure Class-A Integrated Amplifier, reviving our musical experience

Class-A



Expressive Sound and Design,  
a Special "Class-A" product

The L-100 CENTENNIAL is LUXMAN's first pure Class-A integrated amplifier to employ our company's LIFES core circuit technology, achieving a delicate, smooth and richly textured sound with a densely musical authority, genuine hallmarks of true Class-A amplification. Its warm sonic character is visually expressed through illuminated needle-type analog meters with soft yellow backlighting that respond dynamically to music. The front panel features a refined contrast of brushed white finish and a glossy chrome "CENTENNIAL" badge, signifying its status as one of our 100th-anniversary models. Between the dual meters sits a 7-segment LED display that shows attenuation level, allowing precise volume confirmation from the listening position. Both the meter illumination and LED display can be independently turned on or off via the remote control.

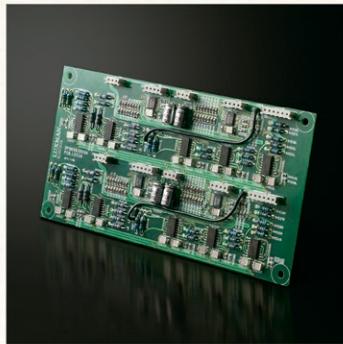


Latest LIFES 1.1  
Amplification Feedback Engine

Developed with a vision for the future of amplifier design, LIFES was created to deliver lifelike musicality, richness and outstanding audio performance. The L-100 CENTENNIAL design employs paralleled differential detection circuitry to augment the input stage, further reducing distortion and achieving an unprecedented level of clarity and energy across the entire frequency range. Rated output is 20W + 20W into 8Ω and 40W + 40W into 4Ω, providing ample power for typical living rooms and dedicated listening spaces. The triple-paralleled output stage is generously designed, with optimum musical richness concentrated within the Class-A operating region.

Volume adjustment is handled by our newly developed LECUA1000, an 88-step, electronically controlled attenuator integrated directly into the amplifier circuitry. This design ensures smooth, finely graduated volume control operation with minimal sonic degradation. By directly connecting the attenuator and amplification stages, signal paths are shortened to preserve musical signal integrity. High-grade, discrete buffer circuitry, derived from LUXMAN's flagship preamplifiers, is employed at the preamp output stage to provide powerful drive capability.

#### High-Precision LECUA Volume Control



The power supply, the beating heart of the L-100 CENTENNIAL, features our custom designed EI-core transformer regulated by eight large filter capacitors (8 x 10,000 $\mu$ F). This steadfast LUXMAN power supply delivers exceptional transient response and unwavering stability, providing abundant energy under all load conditions, ensuring complete control over loudspeakers with ease and authority.

#### Large-Capacity, Highly Stable Power Supply



In addition to the standard  $\Phi$ 6.3mm headphone jack, the L-100 CENTENNIAL is equipped with a  $\Phi$ 4.4mm headphone output featuring independent left and right channel ground wiring. This configuration improves channel separation and imaging, allowing compatible headphones and cables to deliver a spacious, high resolution listening experience.

A high-quality MM/MC phono amplifier is incorporated to support premium analog record playback. Additional external features include tone controls, loudness compensation, left/right balance adjustment, preamp /power amp separation capability and a mute function. An auto power-save mode is also provided to reduce power consumption when the amplifier is not in use, combining convenience with efficiency.

#### $\Phi$ 4.4mm Headphone Output



#### Comprehensive Features for Enhanced Usability



Created to commemorate LUXMAN's 100th anniversary, the L-100 CENTENNIAL is a pure Class-A integrated amplifier devoted entirely to the joy of exquisite music reproduction. Every element has been designed to preserve the integrity of the most delicate of musical signals while pursuing the highest level of sonic purity. At its core is LIFES 1.1, the latest evolution of LUXMAN's proprietary amplification feedback engine, which cancels only the detected distortion components without degrading the audio signal. Volume control operation is handled by our newly developed LECUA1000, a simple, yet ultra-precise attenuator that preserves signal freshness. The output stage operates entirely as a pure Class-A amplifier, with uncompromising dedication to sound quality. Despite a rated output of 20W, our robust power supply design supports reproduction of any input source with remarkable authority and dense musicality. This series is the ultimate expression of LUXMAN's 100-year heritage and the L-100 CENTENNIAL enhances listening as a truly sublime experience.



#### Meticulous Engineering Focused on Sound Quality



#### Extensive Input and Output Connectivity

All circuit boards for the input and output terminals and amplifier stages use peel-coat PCB technology, eliminating resistive coatings and lowering induced voltage that can degrade sound quality. Newly developed low-noise relays improve channel separation in the input selector circuitry. It reflects LUXMAN's uncompromising, sound-first design philosophy down to the smallest detail.

LINE-1 input uses LUXMAN's original highly durable RCA terminals with a wide 20mm pitch, accommodating large, audiophile grade cable plugs (LINE-2 to LINE-4: 18mm pitch). Speaker outputs feature two large terminal sets supporting bi-wiring, compatible with both Y-lugs and banana plugs. An in-line layout ensures equal signal path lengths across all channels and terminals, simplifying connections while maintaining symmetry.



#### Cast-Iron Insulator Feet

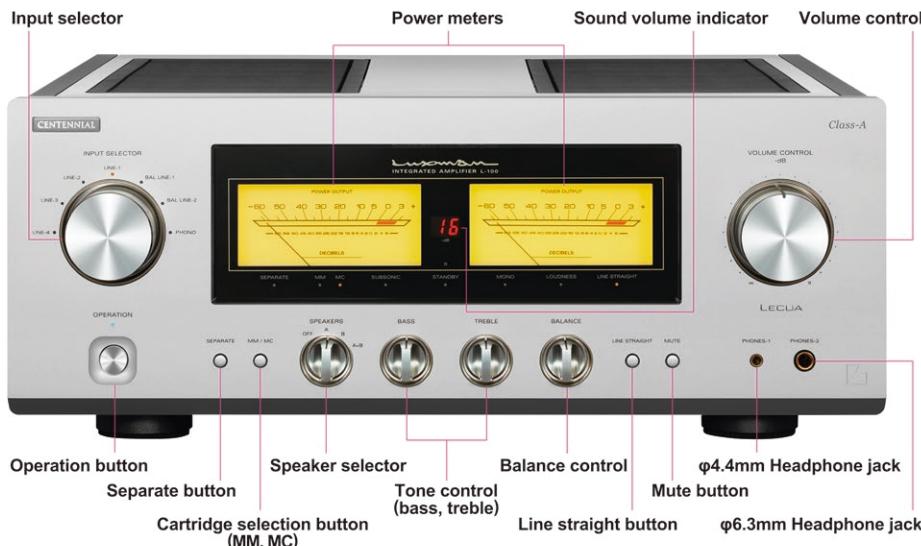


#### AC Inlet Terminal and Premium Remote Control

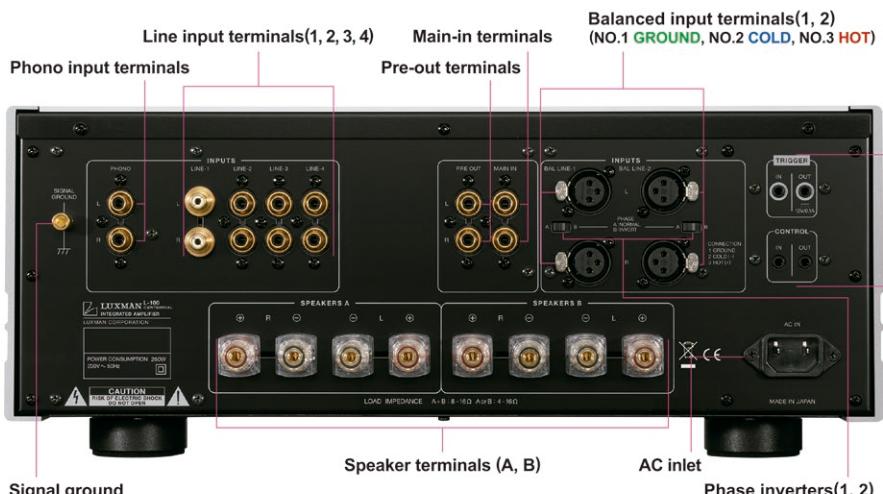
The chassis employs loop-less construction to minimize ground impedance and magnetic interference. The weight of the unit is supported on density gradient cast iron insulator feet, designed with a gradually refined metallic structure from center to edge to suppress resonance. These supports effectively isolate the unit from external vibrations and deter internal mechanical resonance, contributing to its superior sonic stability.

The AC inlet features a gold-plated, robust design that supports the cable's weight across the entire terminal, ensuring secure and stable connection. A premium aluminum remote control is also supplied, capable of operating compatible LUXMAN CD players.

# L-100 CENTENNIAL INTEGRATED AMPLIFIER

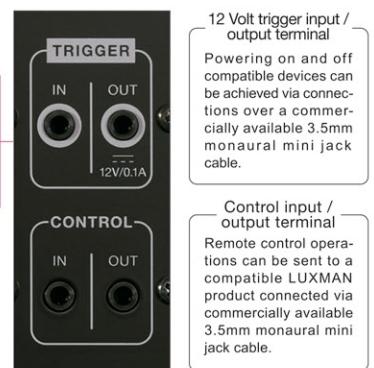


Internal configuration



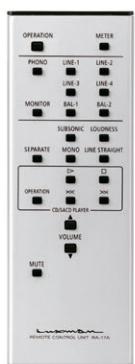
\*Rear panel : European Model

- \* Slide the phase selector switch to the INVERT position to make the balanced input terminals pin No 2 to change to HOT, and No. 3 to COLD.
- \* Meter lighting, monaural, subsonic, and loudness can be switched with the remote control.



12 Volt trigger input / output terminal  
Powering on and off compatible devices can be achieved via connections over a commercially available 3.5mm monaural mini jack cable.

Control input / output terminal  
Remote control operations can be sent to a compatible LUXMAN product connected via commercially available 3.5mm monaural mini jack cable.

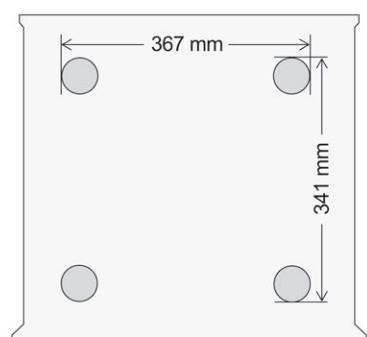
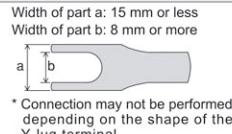


Remote control RA-17A

## SPECIFICATIONS

Rated output	20 W + 20 W (8 Ω), 40 W + 40 W (4 Ω)
Input sensitivity/ input impedance	PHONO (MM) : 2.5 mV / 47 kΩ PHONO (MC) : 0.3 mV / 100 Ω LINE : 180 mV / 47 kΩ BAL LINE IN : 180 mV / 55 kΩ MAIN IN : 450 mV / 47 kΩ
Output voltage	PRE OUT : 1V
Frequency response	PHONO : 20 Hz to 20 kHz (±0.5 dB) LINE : 20 Hz to 100 kHz (within -3 dB)
Total harmonic distortion	0.005 % or less (8 Ω, 1 kHz) 0.015 % or less (8 Ω, 20 Hz to 20 kHz)
S/N ratio (IHF-A)	PHONO (MM) : 80 dB or more PHONO (MC) : 65 dB or more LINE : 98 dB or more
Volume adjustment	New LECUA1000
Amplification feedback circuit	LIFES 1.1
Output configuration	Bipolar 3-parallel push-pull
Damping factor	300

Max. amount of tone control	BASS: ±8 dB at 100 Hz TREBLE: ±8 dB at 10 kHz
Power supply	230 V~(50 Hz) / 115 V~(60 Hz)
Power consumption	260 W 210 W (under no signal), 0.5 W (at standby)
External dimensions	440 (W) x 178 (H) x 454 (D) mm front side knob of 20 mm and rear side terminal of 27mm included in depth
Net weight	25.4 kg (main unit)
Accessories	Remote control (RA-17A) Power cable
Speaker terminal Supported Y-lug terminal dimension	Width of part a: 15 mm or less Width of part b: 8 mm or more



- \* LIFES stands for "Luxman Integrated Feedback Engine System" \* LECUA stands for "Luxman Electronically Controlled Ultimate Attenuator"
- \* Auto Power Save Function : If the unit remains silent and no operations are performed for 20 minutes, it will automatically switch to standby mode. This function can be turned on or off (default setting: off).
- \* Specifications and appearance are subject to change without notice. \* The products listed in this catalog do not include line cables. Please purchase cables separately.

**LUXMAN**

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## Safety Cautions

To ensure correct use of this product, read the "Owner's Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents.