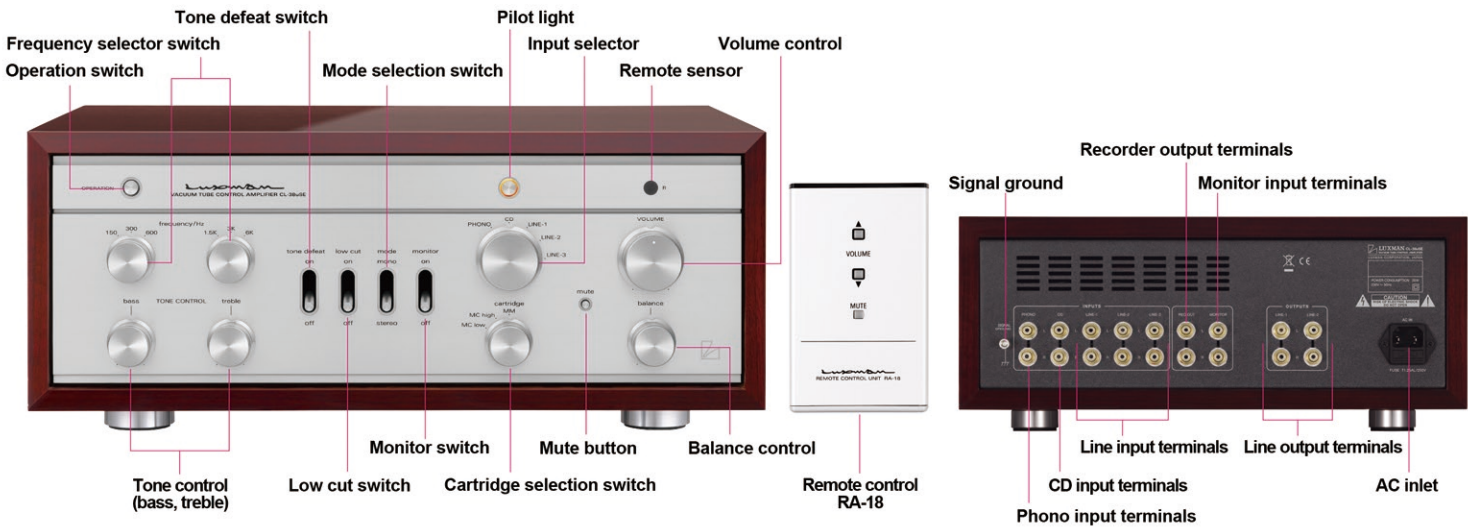


CL-38uSE VACUUM TUBE CONTROL AMPLIFIER

- Highly reliable tubes(ECC803S/802S) manufactured by JJ Electronic in the Slovak Republic.
- Original LUXMAN oil capacitors for captivating and smooth tonal quality.



SPECIFICATIONS

Input sensitivity / input impedance	PHONO (MM): 2.0mV/47kΩ PHONO (MC high): 0.3mV/100Ω PHONO (MC low): 0.08mV/30Ω LINE: 190mV/50kΩ	Tone control	±8dB, turnover frequency switch-over system BASS: 150 / 300 / 600Hz, TREBLE: 1.5k / 3k / 6kHz
Output / output impedance	Rated 1V/300Ω maximum 19V	Low cut	30Hz(-6dB / oct)
Frequency response	PHONO: 20Hz to 20kHz (±0.5dB) LINE: 10Hz to 70kHz (+0, -3.0dB)	Remote control function	Volume up/down, mute
Total harmonic distortion	0.006% (1kHz/1V) 0.06% or less (20Hz to 20kHz/1V)	Circuit	SRPP
S/N ratio (IHF-A)	PHONO (MM): 70dB or more, PHONO (MC high): 68dB or more PHONO (MC low): 65dB or more LINE: 100dB or more	Vacuum tubes	ECC803S×3, ECC802S ×5
Input	PHONO(MM / MC high / MC low) ×1, Line ×4	Power supply	230V~(50Hz) / 115V~(60Hz)
Recorder input&output	REC OUT ×1, MONITOR input ×1	Power consumption	35W
		External dimensions	402(W) x 169(H) x 307(D) mm front side knob of 19mm and rear side terminal of 12mm included in depth
		Net weight	13.5kg (main unit)
		Accessories	Remote control (RA-18) Power cable

\*Rear panel : European Model

Natural wood is used for the wooden case and as such the colour and pattern may vary slightly from unit to unit. Quality of the finished products are monitored with rigorous standards.

MQ-88uSE VACUUM TUBE STEREO POWER AMPLIFIER

- Highly reliable tubes(ECC803S/802S) manufactured by JJ Electronic in the Slovak Republic for the miniature vacuum tubes for improved circuit stability for long term use.
- LUXMAN original oil capacitor in the circuit connection section for glamorous beautiful expression and persistent tonal quality.



SPECIFICATIONS

Rated output	25W + 25W (6Ω), 20W + 20W (8Ω, 4Ω)	Vacuum tubes	ECC803S×2, ECC802S×2, KT88×4
Input sensitivity	790mV/25W (6Ω)	Power supply	230V~(50Hz) / 115V~(60Hz)
Input impedance	100kΩ	Vacuum tubes	ECC803S×3, ECC802S ×5
Frequency response	20Hz to 20kHz (+0, -0.5dB) 10Hz to 100kHz (+0, -3.0dB)	Power supply	220V~(50Hz) / 115V~(60Hz)
Total harmonic distortion	0.15% (1kHz / 6Ω / 1W) 0.5% (20Hz to 20kHz / 6Ω / 1W)	Power consumption	280W, 150W (under no signal)
S/N ratio (IHF-A)	105dB or more	External dimensions	440(W) x 184(H) x 230(D) mm front side knob of 17mm and rear side terminal of 28mm included in depth
Input	LINE (DIRECT×1 / VARIABLE×1)	Net weight	15.8kg (main unit)
Output	Speaker output ×1	Accessories	Power cable
Circuit	Driver: Mullard, output: triode connection		

\* The described company names and product names are trademarks or registered trademarks of each company.  
\* 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.



# Over 90 years of experience and history gave birth to “Special Edition”



VACUUM TUBE CONTROL AMPLIFIER

## CL-38u Special Edition



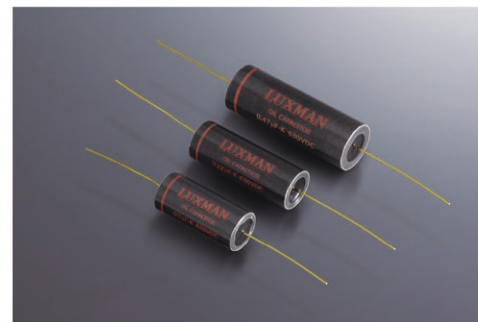
VACUUM TUBE STEREO POWER AMPLIFIER

## MQ-88u Special Edition



### A history of LUXMAN, a brand synonymous with vacuum tube products

Established in 1925, LUXMAN has more than half a century of experience in the manufacture of vacuum tube amplifiers and has launched a large number of products in this market. Many of these products were evaluated as masterpieces of their time and a number of the original products are still in active service today. The CL-38u SE and the MQ-88u SE bring this history and experience as an audio brand together in a traditional design that emanates a deep appreciation for music.



### High quality components specifically selected for this special edition

The proprietary designs of the CL-38u SE and MQ-88u SE include a number of LUXMAN original custom made parts such as the transformer and the block capacitor. A newly developed original oil capacitor commemorates the 90th anniversary of the foundation of LUXMAN and plays an integral part in these models to refine the expressive capability of the vacuum tube design. Due to the simple circuit configuration of the vacuum tube amplifier, special attention has been paid to each individual part, their suitability selected through repeated listening tests.



### Ultra-reliable design ensures longevity and security

The CL-38u SE and the MQ-88u SE undergo a 48-hour aging process before the final performance of each unit is confirmed as exact on completion of its assembly. Highly reliable tubes are used for the miniature tubes and the circuit design has sufficient operating capability, giving confidence in the long operating life span of these models.

### Traditional wooden case and shielded chassis structure

The stylised square wooden case exterior of the CL-38u SE demonstrates traditional ties with the original 38 series. An omnidirectional shielded metal cabinet for the internal chassis copes effortlessly with the high frequency noise interference of modern listening environments. Thorough measures have been taken to improve the S/N ratio such as covering the toroidal transformer (with low level magnetic flux leakage) and the choke transformer using an integrated shielded case.



### Substantial phono equalizer and tone control function

The CL-38u SE is equipped with a phono equalizer amplification circuit and 4 units of step up transformers for the MC cartridge for L/R-independence/2 stage gain independence to deal with genuine analog record playback. The bass/treble type tone control can be finely and dynamically adjusted depending on taste by the turnover of frequency with 3 steps in each. The CL-38u SE also features a low cut switch to suppress any unnecessary woofer vibration caused by warped records as well as a monaural switch to be used for monaural record playback.



### Introducing a SRPP circuit for all stages

The CL-38u SE benefits from a SRPP (Shunt Regulated Push Pull)circuit in the phono equalizer unit, tone control unit and flat amplification unit. The use of a SRPP circuit has several advantages including reducing the impedance output (300Ω of output impedance) and distortion, prolonging the life of the vacuum tube and more. This desirable configuration, unique to a pre amplifier with a dedicated cabinet onto which many vacuum tubes can be mounted, allows for unbeatable clarity of tone and the accurate expression of sound with rich content.



### Supplied with a dedicated aluminium remote control

A compact, intuitive aluminium remote control is supplied with the CL-38u SE enabling the sound volume(up/down/mute) to be controlled smoothly from the listening position without disturbing the immersive atmosphere of listening to music. Audio dedicated relays with excellent durability ensuring longevity and reliability are used for changing each signal on the main unit.



### Output of 25 watts via triode connection of the KT88 output tube

The KT88 special output tube manufactured by JJ Electronic in the Slovak Republic, that is renowned for creating powerful and dense tonal quality, has been selected for the final stage of the MQ-88u SE and working together with the push-pull structure achieves high power and low distortion amplification. Although the KT88 is a pentode, a triode connection is used on purpose to achieve unconstrained and transparent tonal quality that can be created by a vacuum tube amplifier. The vacuum tube specific auditory drive force creates power that feels in excess of the rated output of 25 W + 25 W(6Ω).



### Parallel first stage and Mullard circuit for driver stage

The design of the MQ-88u SE features the vacuum tubes connected in parallel in the first stage to upgrade from a general single configuration to a high performance configuration. A reduction in the output impedance allows the rich content of the music to transmit firmly to the driver circuit as the next stage. The Mullard circuit has been used in many design classics to amplify high voltage at the driver stage and is well matched to the final stage in the push-pull structure. Reconsidering this traditional configuration for this special edition has achieved a fine and pure sound.



### OY output transformer and LUXMAN original capacitors

The output transformer plays a critical role to determine sound quality and performance for a vacuum tube amplifier. The OY-15 output transformer set in an aluminium die cast case, that has been a feature of many design classics, has been redesigned and revived for use in the MQ-88u SE. For the power supply unit, robustly protected by a rigid aluminium monocoque chassis, an EI type transformer to provide persistent tonal quality is combined with original LUXMAN block capacitors to achieve excellent drivability.



### 2 line inputs, direct and via volume

The MQ-88u SE has 2 lines of input terminals – DIRECT and VARIABLE. The signal is directly input for DIRECT. For VARIABLE, the signal is input to the amplifier circuit via the volume on the front of the main unit. These terminals are useful with a multi-amplifier system in which several MQ-88u SEs are working together with highly efficient speakers. When a single line input is used for a source device, a CD player can be directly connected to the MQ-88u SE to be used, for example, as an integrated amplifier.

