LUXMAN

VACUUM TUBE CONTROL AMPLIFIER
CL-38uC

VACUUM TUBE STEREO POWER AMPLIFIER
MQ-88uC

LUXMAN's heritage and the latest technology abide in our vacuum tube products —

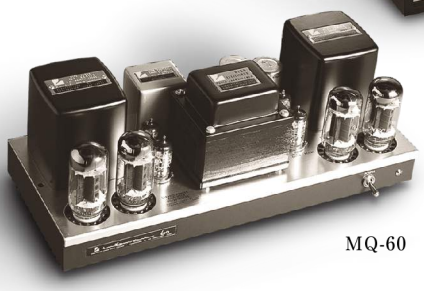
The use of vacuum tubes is a proven traditional method of amplifying audio signals.
We have spent many decades developing the potential of vacuum tube audio amplifiers.
The CL-38uC and the MQ-88uC are a testament to LUXMAN's experience in this field.

The CL-38u and the MQ-88u realized reference level performance and sound quality
as modern day vacuum tube audio equipment
with an appearance reminiscent of the golden years of high-end audio.
They have become very popular amongst enthusiasts.
Our new custom models, the CL-38uC and the MQ-88uC have evolved to an overwhelming
degree by utilizing up-to-date technology as well as the experience gained
while developing the CL-38u and the MQ-88u.
We feel that they truly represent what is most attractive about vacuum tube separates
and will do so for a long time to come.

LUXMAN's vacuum tube amplifier legacy

Since the launch of our SQ-5A vacuum tube integrated amplifier in 1961, we have continued making vacuum tube amps without a break. We have produced many models that are highly valued as signature models and satisfied music lovers are enjoying them to this day, even several decades after their release. The CL-38uC and MQ-88uC combine LUXMAN's history of producing fine vacuum tube products and the traditional wisdom and skills gained along the way.

CL-35



MQ-60

The essence of high-end products: selected high quality components

Due to their relatively simple circuitry, vacuum tube amplifiers are greatly affected by the quality of individual components, hence we utilize LUXMAN's own high-quality transformers and blocking capacitors. Further customization comes in the form of Nichicon made, high voltage, metalized polypropylene film coupling capacitors, which have been introduced for their supple, natural tone. Improved audio quality has been realized by shortening the internal wiring.

Reviving designs from the golden era of vacuum tube amplifiers

The CL-38uC control amplifier and the MQ-88uC power amplifier are based on the latest technology and design, but the exterior styling evokes a classic image from the heyday of vacuum tube audio products. The CL-38uC is modeled on the CL-35, released in 1970, and the MQ-88uC is modeled on the MQ-60, released in 1969. A classic front panel design should be functional, but also beautiful, achieved by careful selection of knobs and lever switches. Listeners can appreciate such traditional design features, with their nostalgic flavor, whilst enjoying these contemporary, high performance audio products.

Long life and reliable design

Each CL-38uC control amplifier and MQ-88uC power amplifier undergoes a final performance check after a 48 hour aging process following assembly. We have selected JJ Electronic (Slovakia) vacuum tubes for these models as they are renowned for their reliability, long life and the ease with which they operate at vacuum tube amplifier voltages and heat dissipation conditions.

VACUUM TUBE CONTROL AMPLIFIER

CL-38uC

A vacuum tube power amplifier with ambition

The MQ-88uC has an elegant dark brown finish, realizing a modern classical appearance reminiscent of our finest legacy products. This model's improved clarity and warm, accurate audio reproduction, unique to vacuum tube products, and the quality of the components and engineering shine through. We strongly feel that the introduction of new technology and added customization will prove integral to this model's appeal as a modern day vacuum tube amplifier.

JJ Electronic KT88 output tubes

The KT-88 output tubes used in the MQ-88uC, made by JJ Electronic, are known for their power and rich sound quality. The triode configuration employed achieves longer vacuum tube life and a highly transparent timbre that vacuum tube amps are known for. The paralleled first stage feeds a driver stage featuring performance proven Mullard circuitry. For the final stage, we have adopted a Mullard compatible push-pull configuration to achieve an output power of 25 Watts per channel at 4, 8 and 16 ohm with very low distortion.

Independent speaker terminals for 4, 8 and 16 ohm speakers

The MQ-88uC has independent 4, 8 and 16 ohm speaker terminals to better match with and bring out the best abilities of any kind of speakers, allowing powerful music reproduction with very low distortion. The unit features a variable input (volume adjustable) mode in which the signal bypasses the input section, connecting a source device, such as a CD player, directly to the output section.

Output transformers and power supply

Output transformers play an important role in determining the sound quality and performance of a vacuum tube amp. LUXMAN's classic amplifier products featured OY15 type output transformers with die-cast aluminum housings. These have been redesigned and reproduced with the original shape. The power supply section features a highly stable EI type power transformer in tandem with custom designed blocking capacitors yielding steadfast sound quality and excellent drivability.

New exterior finish

The main chassis of the MQ-88uC has a dark brown finish, different to the black finish of the MQ-88u. We feel this finish better matches our products with wooden exterior cases. The hairline finished aluminum top panel and matt black aluminum die-cast power transformer housings make for a harmonious match, fine quality and beauty being important to our designs.

An attractive custom vacuum tube control amplifier

The CL-38uC uses SRPP (Shunt Regulated Push Pull) circuitry for all stages to achieve the highest sound quality possible.

A genuine phono equalizer is included, the MC-low and MC-high impedance (gain) inputs each have independent MC transformers and are selectable using the MC impedance lever switch.

Tone controls enable the listener to fine tune the sound quality.

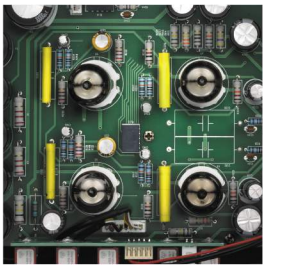
Refined exterior design and newly added balanced inputs make this vacuum tube control amp a new standard for its generation.

Standard size chassis in traditional wooden case

We have retained the outer wooden case, as it represents the tradition of the 38 series. The chassis has been expanded to a width of 440mm which is the standard size for current LUXMAN products. The internal chassis acts as an omnidirectional shielded metal enclosure. In order to prevent magnetic flux leakage and eliminate noise, the toroidal power transformer and choke transormer have integral shielded cases.

Elegant construction with SRPP circuitry

The CL-38uC's SRPP circuitry, used for the phono equalizer section, tone control section and amp section, ensures a flat frequency response and has other advantages, such as a low output impedance (300 ohm), low distortion and extended vacuum tube life. The elegant construction of such a control amplifier in a dedicated enclosure allows us ample space to mount a full complement of vacuum tubes inside, realizing clear and accurate musical expression and enviable sound quality which we feel will attract many music lovers and enthusiasts.



New features, balanced inputs and various controls

The CL-38uC's balanced input terminals have dedicated transformers, improving integration with other high-end equipment. The built-in phono equalizer circuit is compatible with MM and MC cartridges and is equipped with step-up transformers for MC cartridges an independent left & right two step gain selector. The three-position switchable crossover frequencies for bass and treble tone controls enable the listener to fine tune the signal to the desired tonal character.

Dedicated remote control

The CL-38uC comes with a compact aluminum remote control, making it easy to control the volume smoothly from your listening position.

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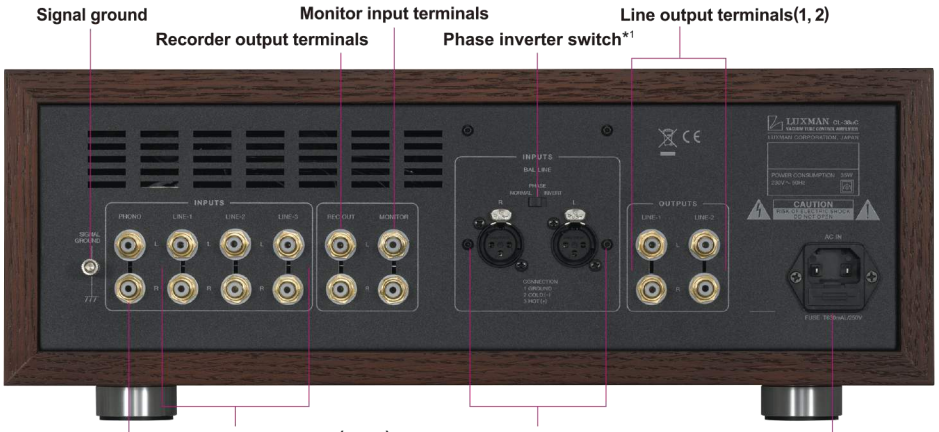
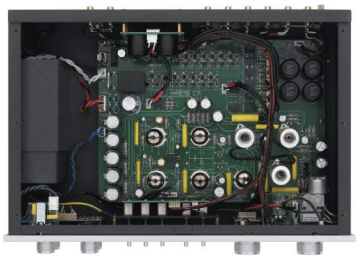
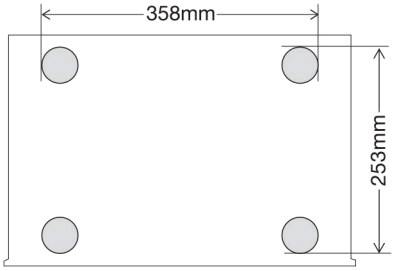
CL-38uC VACUUM TUBE CONTROL AMPLIFIER



*Rear panel : European Model



Internal configuration



SPECIFICATIONS

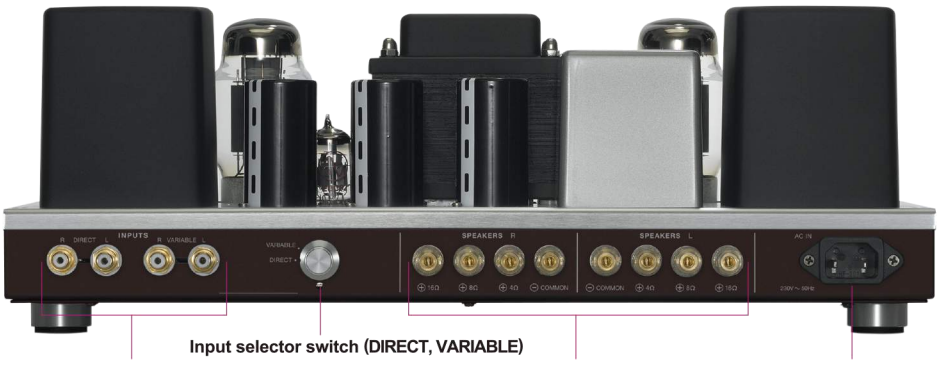
Input sensitivity / input impedance	PHONO (MM): 2.0mV / 47kΩ PHONO (MC high): 0.3mV / 100Ω PHONO (MC low): 0.08mV / 30Ω LINE: 190mV / 50kΩ BAL.LINE: 190mV / 20kΩ*2
Output / output impedance	Rated1V/300Ω
Frequency response	PHONO: 20Hz to 20kHz (±0.5dB) LINE / BAL.LINE: 10Hz to 70kHz (within -3.0dB)
Total harmonic distortion	0.006% or less (1kHz) 0.06% or less (20Hz to 20kHz)
S/N ratio (IHF-A)	PHONO (MM): 68dB or more PHONO (MC high): 63dB or more PHONO (MC low): 60dB or more LINE / BAL.LINE: 100dB or more

Tone control	±8dB, selectable frequency range BASS: 150 / 300 / 600Hz, TREBLE: 1.5k / 3k / 6kHz
Low cut	30Hz(-6dB / oct.)
Circuit	SRPP
Vacuum tubes	ECC83S×3, ECC82×5
Power supply	230V~(50Hz) / 115V~(60Hz)
Power consumption	35W
External dimensions	440(W) x 169(H) x 307(D) mm 19mm front panel knob of and 12mm rear panel terminals are included in the depth measurement
Net weight	13.3kg (main unit)
Accessories	Remote control (RA-19), Power cable

Since we have chosen natural wood for this model's outer case, the natural color and grain of the wood yields slight individual differences from unit to unit. However, due to our strict quality control management of the cabinet making process, the user can be confident in purchasing a beautiful and uniquely finished product.

*1 Setting the phase inverter switch to the INVERT position allows balance input terminal No 2 to change to HOT, and No. 3 to COLD.
*2 This unit uses transformer equipped balanced inputs. Since the maximum input level at the balanced inputs is equivalent to 2.5 Volts, please be aware that the audio signal may be distorted if you connect a device with a higher output level (higher output voltage). There is no problem when using Luxman products (CD players etc.). For details, please refer to the instruction manual for the equipment to be used.

MQ-88uC VACUUM TUBE STEREO POWER AMPLIFIER



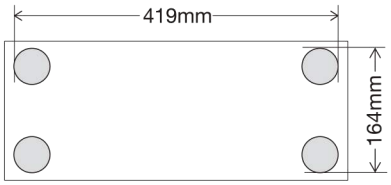
*Rear panel : European Model

Internal configuration

SPECIFICATIONS

Rated output	25W + 25W (4Ω, 8Ω, 16Ω)
Input sensitivity	890mV / 25W
input impedance	32kΩ
Frequency response	20Hz to 20kHz (+0, -0.5dB) 10Hz to 100kHz (+0, -3.0dB)
Total harmonic distortion	0.1% (1kHz / 1W) 0.5% (20Hz to 20kHz / 1W)
S/N ratio (IHF-A)	105dB
Circuit	Driver: Mullard, Output tubes: Triode connection
Vacuum tubes	ECC83S×2, ECC82×2, KT88×4
Power supply	230V~(50Hz) / 115V~(60Hz)
Power consumption	170W, 140W (under no signal)

External dimensions	440(W) x 184(H) x 230(D) mm 17mm front panel knob of and 28mm rear panel terminals are included in the depth measurement
Net weight	16.1kg (main unit)
Accessories	Power cable
Speaker terminal Supported Y-lug terminal dimension	Width of part a: 14.5mm or less Width of part b: 7.5mm or more a b * Connection may be difficult depending on the shape of the Y-lug terminal.



*Please cover the unit with the bonnet provided for safety.

* 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.