

**NAGRA PL-L**  
Class A tube preamplifier



World-acclaimed ultimate preamplifier

emotionperformance

**1 Main rotary switch**

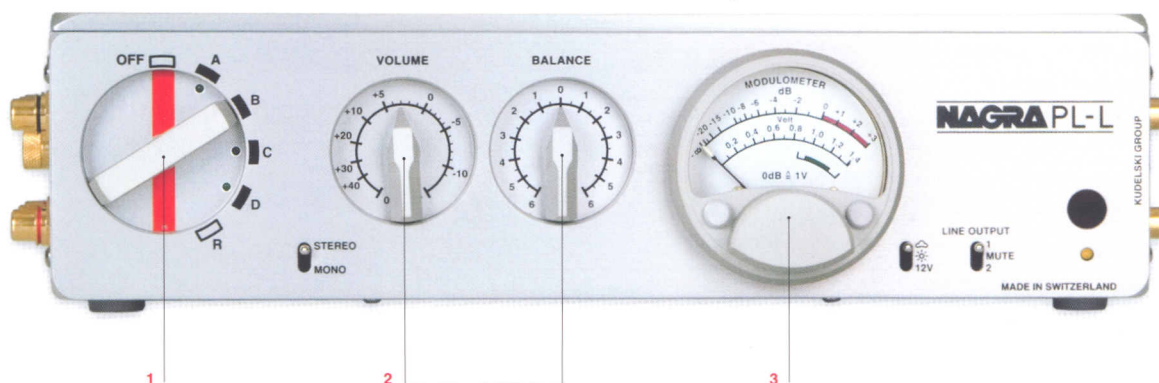
The six-position rotary switch allows selection of input sources, remote control as well as ON and OFF

**2 Volume and balance controls**

They allow the output levels for both channels to be adjusted as well as the channel balance in a range of  $\pm 6$  dB

**3 Typical Nagra modulometer**

A legendary «signature», the Nagra modulometer provides a multitude of indications through two coaxial pointers



**Heritage of a unique know-how**

The PL-L is a pure Class A vacuum tube preamplifier, based on the proven design concepts of the world-renowned PL-P, Nagra's first Hi-Fi preamplifier. The PL-L ignores compromise to provide ultimate performance. It has received numerous awards and is considered as one of the finest preamplifiers in the world.

**Ultimate preamplifier**

The PL-L reflects a totally audiophile approach: purity of sound, respect of the signal, uncompromised design and manufacturing. The jewel-like machined anodized aluminium case features:

- Superior grade selected tubes
- Nagra modulometer
- External power supply
- Remote control
- Nagra legendary quality and reliability

**Exclusive Nagra modulometer**

The modulometer is an accurate level indicator. Developed by Nagra and equipping its professional recorders since the very beginning of the company half a century ago, it has become a typical feature of the brand.

This device provides a multitude of functions through two coaxial pointers representing the left and right channels.

The modulometer is useful when adjusting the levels, thus optimizing the signal-to-noise ratio of the system and avoiding distortion. In addition, it allows:

- Achieving the correct left / right channel balance
- Monitoring the output level of the preamplifier
- Monitoring the output level of the amplifier
- Monitoring the power supply voltage



innovationprecision



#### Uncompromised design

To minimize the effects of microphonic noise due to vibration of the tubes, the main circuit board is mounted on elastomer dampers. The board itself as well as the internal jumpers are gold-plated to further improve sound quality.

This reflects the attention to every detail that allows Nagra equipment to achieve ultimate performance.

#### Relaxed listening

The PL-L comes with Nagra custom remote control, the new generation RCU-II. You may sit in the "sweet spot" and enjoy your music while keeping full control of your system at all times.

#### Audiophile remote control

Some will admit that a remote control is really convenient, some will say mandatory. But in any case, it should not affect the audio quality. That is why Nagra developed a special audiophile remote control for the PL-L.

Direct motors are implemented on the volume and balance potentiometers, so the action of the remote remains purely mechanical. This is the most elegant way to control the volume and balance. The RCU-II can also control other Nagra equipment.



Supplied with the PL-L preamplifier, the Nagra RCU-II remote control

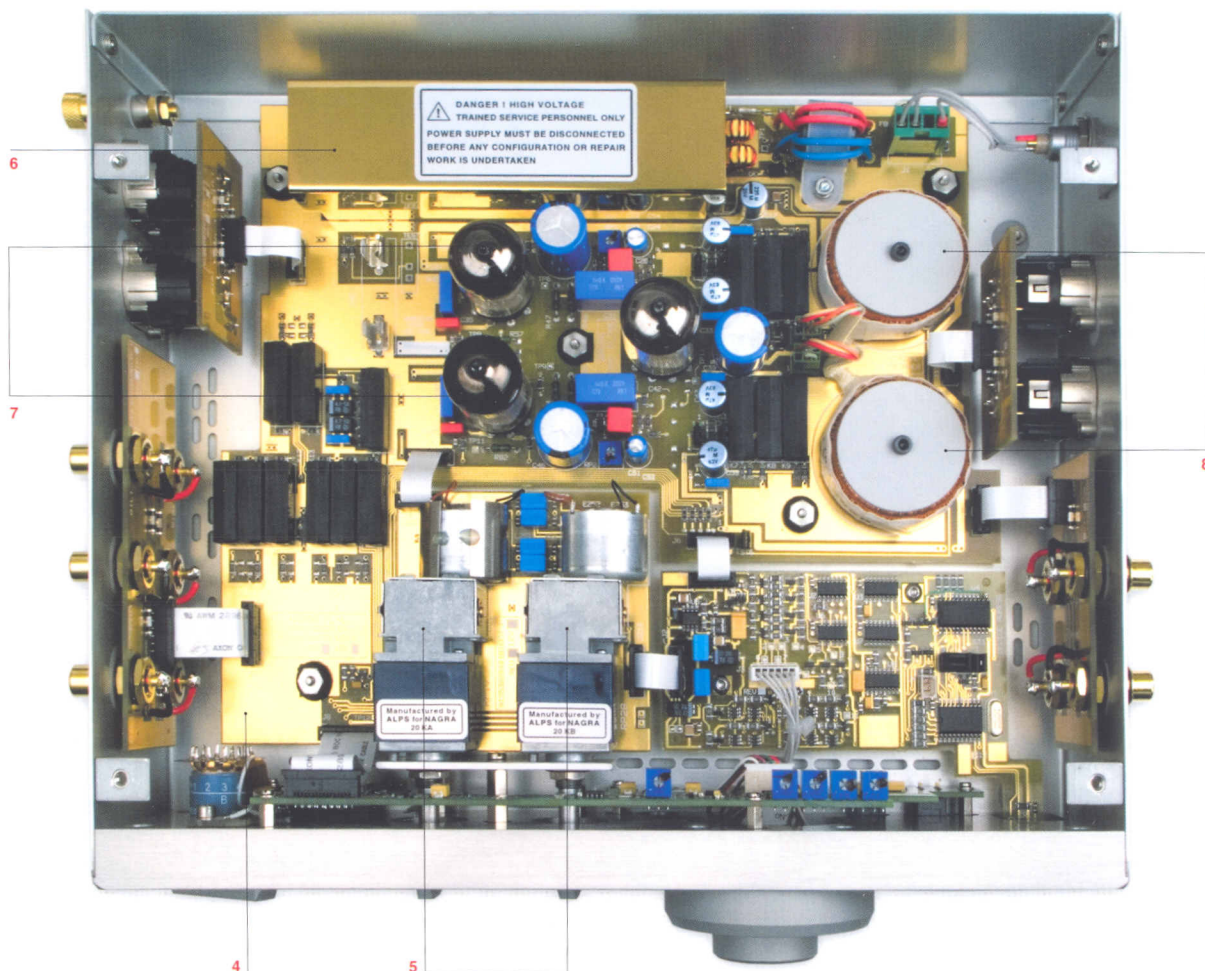
**4 Ultimate hardware**  
Circuit boards and components meet the same high standards as the Nagra professional recorders

**5 Custom made motorized Alps potentiometers**  
They are built according to Nagra specifications

**6 Gold-plated protection**  
Housing the voltage converter and insuring quiet and stable supply

**7 Tightly tested matched tubes**  
The Nagra in-house selection and burn-in process is merciless

**8 Floating balanced output transformers**  
This option can be installed to provide balanced line outputs



### Class A

The PL-L uses three high-grade vacuum tubes, biased for pure Class A operation. As in all vacuum tube circuits within Nagra preamplifiers, precise DC filament voltage regulation ensures low-noise, high-resolution performance and a long lifetime.

### Extensive tube selection

In order to get the best performance out of the PL-L, the tubes go through an extensive selection process on a Nagra custom benchmark. It includes a 48 hour burning-in as well as a computer matching program.

Only a small percentage of tested tubes is accepted. These offer fine specifications: they operate within very tight tolerances and in a particularly quiet way.

### External power supply

The power supply is a key element in the quality of audio equipment. That is why, to reduce any interference from the mains, the PL-L has an external power supply.

### Double stage powering unit

In addition to the external powering unit, the PL-L features a Nagra custom voltage converter housed in a gold-plated box. It ensures quiet and stable powering to the whole unit thus enhancing performance. These specific powering techniques are part of the quality and success of Nagra recorders; they are now available to you in our Hi-Fi products.



Nagra ACPS-II external power supply



**9 Line inputs**

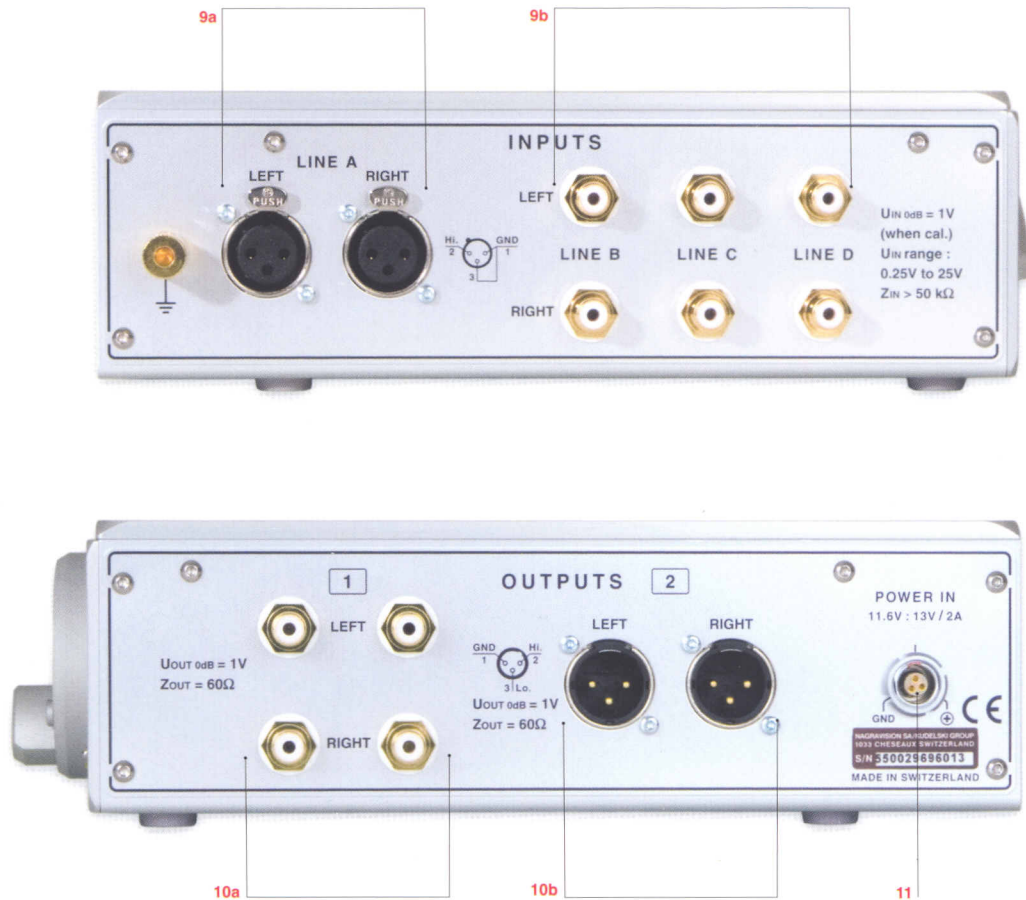
Four stereo connectors can be configured for different sources: one set of XLR (9a) and three RCA (9b)

**10 Line outputs**

Two sets of RCA (10a) and one XLR unbalanced (10b) outputs are provided (optionally balanced and floating)

**11 Power supply input**

Thanks to the external supply, circuits are protected from disruptions caused by the mains source



**Inputs**

The PL-L provides four line inputs that include one XLR and three RCA, all single-ended. The output signal is automatically muted when switching between sources.

**Mono/stereo switch**

A convenient mono/stereo switch is provided on the front panel, which is useful when playing unforgettable vintage vinyl records.

**Superior grade power connector**

A Lemo plug is used to connect the PL-L to the external power supply. The Lemo company specializes in high quality connectors designed for extreme applications in the military and medical fields. This ensures superior quality and avoids misconnection with other audio devices.

**Outputs**

The unbalanced outputs are transformerless and directly coupled to the output tubes. With respect to the most demanding professional applications, it can accommodate loads as low as 600 ohms with only 1 dB drop in signal level. One XLR stereo output is also provided. By default, it is unbalanced.

As an option, one set of Nagra custom transformers can be installed to achieve a truly floating balanced output.



The perfect Nagra PL-L complement: Nagra VPS tube phono preamplifier

# technical specifications

## Electronics

Input impedance	> 110 kohms
Output impedance	60 ohms
Signal-to-noise ratio	100 dB (A-weighted) at 12 dBV
Min Vin for 0 dB out	0.25 Vrms
Max Vin for 0 dB out	25 Vrms
Bandwidth	10 Hz – 100 kHz + 0 / – 1 dB
Distortion	< 0.01 % 1 V out, no load at 1 kHz < 0.03 % 1 V out, 600 ohms load

## Physical specs

Vacuum tubes	2 12AX7 / ECC83 1 12AT7 / ECC81
Power consumption	12 V 900 mA
Dimensions (W x D x H)	310 x 254 x 76 mm 12.2 x 10 x 3 inches
Weight	3.20 kg 7 lbs.

## Power supply

AC supply voltage (depending on the country)	External supply Nagra ACPS II 94-132 or 188-264 V / 44-66 Hz
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Specifications subject to change without prior notice



Nagra CD players  
CDC, CDP and CDT



Nagra PL-P  
preamplifier



Nagra VPS  
phono preamplifier



Nagra DAC  
converter



Nagra VPA  
tube amplifiers



Nagra PMA (mono) and  
PSA (stereo) solid state  
amplifiers

