

NAGRAPMA
Pyramid monoblock amplifier



At the heart of the Pyramid
lies the secret of music

rational emotional



In the prestigious Nagra line

A monophonic amplifier, the NagraPMA Pyramid is a distillation of Nagra know-how, yet another advance in technology that has been carefully honed in the models which preceded it.

Its shape evokes the idea of timeless perfection, but is doubly grounded in engineering. Cast as a single piece of aluminium, the base of the Pyramid accommodates all the power transistors and offers them an optimal heat dissipation that is particularly enhanced by the angle of incidence of 50° that heatsink fins benefit from. Heavy and rigid, this base also guarantees perfect mechanical stability ensuring an imperturbable foundation for the electronic components.

Elite performances

The Nagra Pyramid boasts elite characteristics: 200 W RMS of pure power under 8 Ohm, a huge bandwidth (10 Hz to 70 KHz), total harmonic distortion of less than 0.09% at full power and a signal-to-noise ratio greater than 104 dB. Its enormous dynamic stability enables it to master any type of loudspeaker.

Yet these figures reflect only one aspect of the potential of the unit. The real tour de force of the PMA lies in its capacity to deliver musical emotion strikingly and serenely – without resorting to tricks, without pretension, without compromising. Reproducing the integrity of sound in all its delicacy and all its fullness.

timelessrevolutionary

**PMA mono version,
PSA stereo version**

The Nagra Pyramid is also available in a stereo version known as PSA – Power Stereo Amplifier. This model delivers 2 x 100W RMS under 8 Ohm



A legend among brand names

Few names in the world of audio enjoy as prestigious a reputation as Nagra. This legendary brand, which has now been in existence for more than half a century, is itself sufficient to evoke everything that has gone into making Swiss quality renowned throughout the world: cutting-edge innovation, painstaking detail in craftsmanship and outstanding robustness and durability.

The story of Nagra has for a long time concentrated on appliances aimed at the professional market: legendary recorders whose design and performance have revolutionised the art of recording sound in studios and in the field in the four corners of the world.

Nagra's product range now extends to high-end audio equipment intended for domestic use. The same approach, the same philosophy, the same rigour in the

manufacturing process: far from mass production, no detail is overlooked in the search for integrity and beauty in sound.

An uncompromising approach

Totally symmetrical, the Pyramid's amplification circuit is a push pull type and operates in class AB. Nothing has been left to chance in its design. Intended strictly for audiophiles, its key components were selected on the basis of comparative audio tests. For the power transistors in particular, Nagra's engineers opted for the MOSFETs produced by Exicon, the experts in this field. Each set of transistors is matched in advance to ensure perfect complementarity, while every unit is tested at length before receiving a certificate of conformity signed personally by the engineer in charge of the tests.

1 Protection and monitoring circuit

Protection against overheating, protection for loudspeakers, automatic on and off

2 PFC power supply (Nagra patent)

Purity of signal, huge reserves of power: the starting point for perfect music reproduction



A secret of the Pyramid: PFC power supply

No amplifier can claim to be exceptional unless it is powered at a very high level. That aspect takes on all the more significance as mains circuits become more and more polluted by the countless pieces of electronic and computer equipment that are connected to them today.

That's why the PMA was accompanied by intensive research into precisely this point, leading to the development of a switching-mode power supply specific to Nagra. In its usual form this type of solution has long provoked defiance from purists. Following the example of the PL-L, PL-P and MPA models, however, the Pyramid once again proves that this concept can supplant a traditional approach if it is developed appropriately.

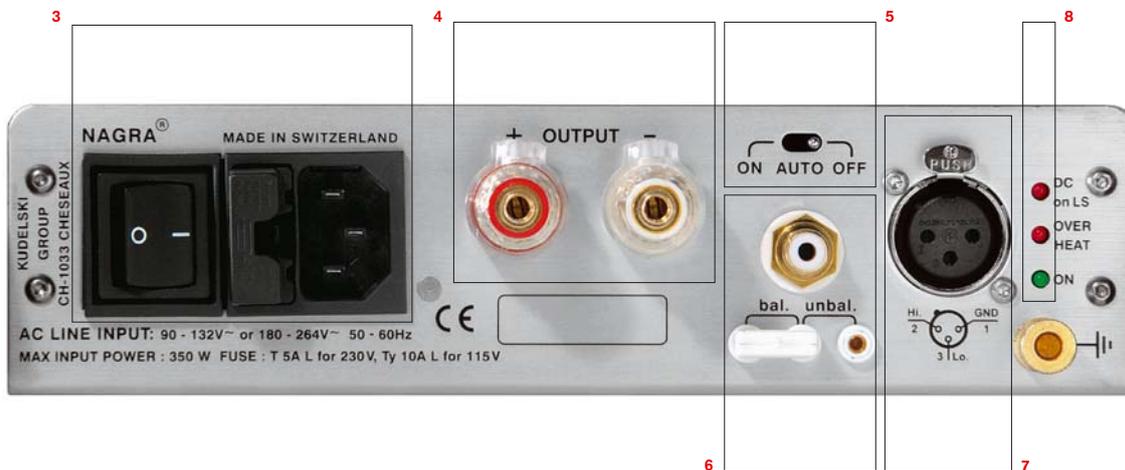
The engineers of the PMA have perfected a completely new circuit which they have named PFC – Power Factor

Corrector – and whose function is to follow permanently the current coming from the input transformer, “cleaning it up” before supplying it to the amplification section.

This module, which is protected by a new Nagra patent, provides a stable voltage supply and consumes a perfectly sinusoidal current that is free of undesirable residual elements capable of disturbing the other links in the chain. It acts like a veritable energy reservoir, delivering at the speed of light the huge quantities of current that are demanded instantly by the amplifier.

The PFC circuit reduces the need for downstream filtration, allowing the profusion of capacitors to be cut down and enabling a high-powered unit to be offered at a reasonable volume and weight.

- 3 Mains power supply
- 4 Loudspeaker output on gold-plated and insulated sockets
- 5 Manual/automatic switch
- 6 Asymmetric gold-plated RCA input
- 7 Symmetric XLR input
- 8 Diagnostic and power supply LEDs



Security and ergonomy

The PMA boasts a monitoring circuit that safeguards the unit and the loudspeaker in all eventualities. Risk of overheating? Presence of direct current towards the loudspeakers? The protective circuit springs into action immediately and puts the unit out of operation before any damage can be caused. A red light on the rear then illuminates to highlight the fault.

Another practical feature: in "auto" mode the PMA starts up by itself when it detects a signal coming from the preamplifier and stops again after 15 minutes of silence – a function that is particularly appreciated in multichannel mode, with units arranged at the base of loudspeaker cabinets.

The ideal companion to Nagra PL-L and PL-P preamplifiers

If their talent is to be properly expressed, Nagra Pyramids need to be associated with equipment meeting the same high standards.

The perfect combination would be a set composed of Nagra units such as PL-L or PL-P tube preamplifiers and the DAC converter.

Don't hesitate to contact us for more information.



Preamplifier Nagra PL-L

technical specifications

Electrical

Class	AB	
Power	200 W rms into 8 Ohm	For 1 or 2 V input (selectable)
Bandwidth	10 Hz to 70 kHz	+0 / -3 dB
Signal-to-noise ratio	Typically 104 dB	(A-weighted)
THD+N	< 0.09 %	at 200 W
Input impedance	>100 kOhm	
Input connectors	RCA XLR	Unbalanced Balanced
Monitoring	Level indication	Blue LED on front panel (can be disengaged)
	Clipping indication (for I > 12 A or U > 60 V)	Red LED on front panel
Automatic start	For input level > 100 mV	
Protection (deactivates the amplifier, alarm LED on the back panel)	Overheating	Above 60 °C (140 °F)
	DC protection for loudspeakers	Above +/- 2.5 V DC
Output connectors	Isolated gold plated WBT	Wires up to 4.2 mm Banana plug 4 mm Spade 6.35 mm
Operating range	90-132 V 180-264 V	50-60 Hz
Consumption per monoblock	350 W max	Sinus wave current draw complies with EN61000-3-2 regulation
The PMA and PSA are fully compliant with CE requirements		

Physical

Weight	10 kg (22 lbs)	For each monoblock
Size	38 x 38 x 30 cm	(14.9 x 14.9 x 11.8 inches)

Subject to change without prior notice

NAGRA

Nagra is a division of the Kudelski Group
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Nagra Hi-Fi range of products includes a miniature recorder, a digital to analog converter, preamplifiers, vacuum and solid-state power amplifiers.