



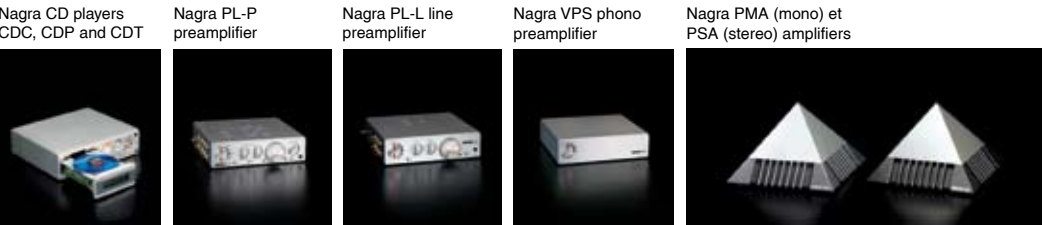
technicalspecifications



Electronics	
Amplification class	Pure class-A
Input impedance	> 100 kOhms
Output impedance	4, 8 or 16 ohms
Frequency response	20Hz to 40 kHz +0 -3dB
Power	50 W rms
Signal-to-noise ratio	Typically >100dB (ASA A)
Input circuit valves	2 x ECC83 (input and differential), 1 x E182CC (driver)
Power valves	845 Triodes
Power consumption	250 W
Mains power supply	108-121 V or 216-242 V (Japan: 100 V)

Mechanics	
Input connectors	Balanced (XLR) or gold-plated Cinch WBT for unbalanced inputs
Output connectors	Gold-plated WBT, for wires up to 4.2 mm, 4 mm banana connectors for 6.35 mm spade
Weight	13.5 kg (30 lbs) each
Dimensions	335 x 115 x 375 mm (13 x 4 1/2 x 14 3/4 inches) without valves

Nagra VPA amplifiers are developed by the same team as the professional Nagra range and meet the same quality standards. They are delivered with an authenticated performance test protocol. The above-mentioned specifications represent a guaranteed minimum performance. Nagra is continually improving its products and technologies; as a result, the above specifications may be modified without notice.



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NAGRAVPA
Class-A 845 triode
monoblock amplifiers



Power, transparency, neutrality

As close as possible to musical authenticity



Nagra is one of the most recognized brands in the world with, among other awards, three Oscars and one Emmy Award

1 Double toroidal power transformer
Both oversized - one supplies the high voltages required by the lamps while the other supplies the filament power.

2 High copper density gold-plated mother-board
All signals are supplied through this circuit avoiding cable connections.

3 Optimal voltage filtering
Like all other components, high value capacitors are of the highest quality

4 Load Match Meter
This instrument indicates the output power and enables the adaptation of the amplifier's impedance to that of the loudspeakers as well as the adjustment of the polarization current of the power output valves

5 845 Triodes
These valves are renowned in the audio-ophile domain for their power and musicality

6 Polarization potentiometers
Installed on the rear of the mother-board and accessible from the outside of the case, they affect the polarization of the power valves

7 Input driver circuit
Based on a high precision symmetrical circuit, it supplies very high voltage to the power valves

8 Multiple outputs
Specific loudspeaker connectors for 4, 8 and 16 ohms are provided, to be selected according to the Load Match Meter indications

9 Nagra Toroidal output transformer
Hand-wound with non-touching windings reduces parasitic capacitance

10 Relay security circuit
The high voltages are cut should a problem occur at the power valve stage and as soon as the amplifier is opened

11 Mains current filtering
The mains connector incorporates a filter that isolates the RF that pollutes the mains supply

A three-dimensional sound

Introduced to the market a decade ago, the Nagra VPA monoblock amplifiers have a special place in the audio world. Reflecting the other creations by the brand, such as the mythical professional recorders, they represent a new step towards the truest sonic reproduction.

A listening session using the Nagra VPA amplifiers creates an unforgettable experience each time. From the very first notes, the sound demonstrates exceptional clarity and transparency. The music has a spectacular presence: it is lively and full of details. It is deployed in a vast three-dimensional space, plunging the listener into the heart of a virtual reality, where all the emotion of the original recording can be appreciated.

The VPA amplifiers have an exceptional set of qualities.

Uncompromising technology

Technically speaking, the Nagra VPA amplifiers belong to the elite of current electronics. Being valve technology, they deliver unequaled performance in their category. Extensive bandwidth, optimal stability, large dynamic range, negligible distortion and noise are all the results of extremely precise engineering, in the brand's tradition. The units are based on a symmetrical architecture from the input to the output, leading to perfect smoothness. The power stage uses the imposing

845 triodes mounted in a pure class A push-pull configuration for better linearity and total absence of cross-over distortion.

The circuits use the best components available in the market. The power valves are powered for 24 hours on a computer-driven test bench prior to testing, selection and matching. The smaller input circuit valves are powered for 48 hours. Overall, 70% of the valves are rejected by the end of the measurements.

Most importantly, the output transformers are developed and hand-wound in-house. It is rare today to find a manufacturer that makes these components, as they are so difficult to assemble and yet so important to the sonic purity and overall performance.

An original shape for perfect operation

The cases of the Nagra VPA amplifiers are in the shape of compact vertical towers, comfortable to place next to the loudspeakers, to which they can be linked with the shortest of cables.

They are made out of solid aluminium. The power valves are on the top where they dissipate their heat most efficiently. They are surrounded by a multi-pillar double circle concentric thermal protection, maintaining the highest security should they be touched.

Feedback-free operation

The amplification circuits of the Nagra VPA are so precise that they require no global feedback, usually introduced to correct signal deviations caused in the signal path.

Thanks to their extremely high quality, the output transformers can maintain power even at very low frequencies. Parasitic capacitances are reduced to a minimum, allowing excellent performance at high frequencies up to 40 kHz.

All these features explain the natural fluid character of the Nagra VPA amplifiers, their respect for the sound and tonal exactitude. This is the secret of a listening experience that does not tire as the hours pass.

A sovereign management of any loudspeaker

With a power of 50W, the Nagra VPA amplifiers drive all types of loudspeaker easily, even reputedly difficult ones, such as electrostatic loudspeakers or models that present a particularly difficult impedance. This capability is not only due to the power but also to the overall performance of the amplifiers.

From the very first watts, the Nagra VPA amplifiers amaze the listener by the magnitude of the sound that they produce, capable of filling a large listening auditorium. They stay balanced at all frequencies, delivering deep, rapid

and precise bass, rich mid-range and sumptuous high-range frequencies.

Whatever the type of music played, the message is transmitted with utmost coherence and openness.

Load match meter: a multi-function instrument

Similar to the typical modulometers found on traditional Nagra recorders, the Load Match Meter performs three functions. This instrument indicates the output power in watts. It also allows the polarization voltage of the valves to be measured. Finally it serves to adapt the impedance of the outputs to match the different loudspeakers (4, 8 or 16 ohms). Thanks to this precision instrument, the user can really get the best out of the amplifier and keep it at the pinnacle of performance for many years.

The heart of an exceptional chain

Associated with other high-performance equipment, the Nagra VPA amplifiers represent the foundation of a state-of-the-art, timeless system.

They are therefore perfectly complemented by Nagra's valve PL-P, PL-L and VPS preamplifiers, as well as by Nagra CD players.

