

Eight cylinders with Power & Pathos

It's all in the name:
with their new
Kratos, the amplifier
specialists from Pathos
combine power with
expressiveness and
solidity with tonal
finesse.

Matthias Böde



One of the most striking offers among the ambitious integrated amplifiers is the „Logos“ from the manufacturer Pathos, based in Vicenza in northern Italy, which is currently available as an updated Mk2 version. Starting with the look, it features an elegant wooden application with integrated volume control and digitally displayed level that is combined with aluminum. The **hybrid concept**, in which tubes and MOSFET power transistors complement each other, is technically equivalent to the striking exterior.

Said Logos has now gotten a big brother: the „Kratos“, which is named after the Greek god of power and strength. It is more opulent, more powerful and clearly more expensive than the not even half as costly Logos - and it clearly displays this. Analogous to the supercars from Italian legend Ferrari, who sometimes let passersby look at their motors through a glass lid, the eight capacitor cylinders of the Kratos' potent main power supply stick boldly through its bonnet which is all the more striking as they are orange. In both cases the intended statement is the same: Look what I've got to offer.

KEYWORD

Hybrid concept

Due to their high voltage supply capability, tubes are ideal for driving power transistors. Amps in which the two different components are combined are called hybrid amplifiers.

The 35-kilo amp with – as one colleague has painfully experienced – quite sharp-edged heat sinks in „Pathos“ design, planked on both sides, costs just below 8800 euros „naked“. Then, it offers seven high level inputs, which can be selected by means of the unmarked wooden remote control or with one of the two buttons on the right of the thick front panel. Two of these inputs are symmetrical.

The direct input of the power amplifier section, which simplifies the operation of the Kratos in AV setups, was also equipped with XLR sockets. This makes sense, as these are real complementary stages with two „hot“ outputs, which should be controlled directly symmetrically. That is, of course, done by the tube stage consisting of two double triodes of the type ECC803S from the production of the traditional US manufacturer Tung-Sol. These are said to have a decided combination of homogeneity and fine drawing.

Pathos selected them mainly according to the parameters of sound and reliability. The individually adjustable headphone output is designed to be so powerful that it can easily drive even critical models with high impedance and low efficiency.

We received the puristically designed Kratos, which offers neither balance nor tone control, with the optional „HiDac MKII“ digital module (around 600 Euro), which offers two USB interfaces for PC and/ or Mac, a high-res capable coaxial input as well as one optical. The Italians also offer a phono card suitable for both MM and MC cartridges, which can be used in addition, but was not yet available to us.

Once broke in, a short warm-up phase of a quarter of an hour is sufficient until the Kratos is in full possession of its tonal powers. The manufacturer advises against continuous operation, as favoured by some high-end users, in the good operating instructions, amongst other reasons due to the thus reduced life-expectancy of the tubes. Pathos also recommends not to use electrical „troublemakers“ such as neon tubes, air conditioners, electric ovens or refrigerators in the same circuit. Thanks, you can't point this out often enough!

Polarity is „tricky“

Attention when identifying the proper mains polarity! Our meter was misleading, probably „saw“ only the standby power stage. In the subsequent listening check, the opposite polarity that is also shown below proved to be the correct one, where the Kratos

developed maximum spaciousness and homogeneity.

And that to an impressive degree. Those who know the Logos will hardly be surprised by the colourful, wide spectrum of the bigger Kratos, but will nevertheless be fascinated. The Italians didn't overstate: their eight-cylinder engine marched off on the „Bahn Frei Polka“ of the new STEREO listening test CD IX with both power and agility, carefully guarding the details, while remaining calm downright stoical even in the hefty bits, and demonstrating its audiophile „torque“ even at low volumes in the form of a bass and fundamental tone range that was as discreet as it was effective in boosting the sound.

That was neither prepotent, let alone superficial, for the subliminal demonstration of power did not come across as an urgent attack, but as sovereign calmness. And it was always dressed in breathing naturalness. Thus Anne Bisson's „Summer Me, Winter Me“ appeared with beguiling flair, dazzling and expressive. Meanwhile, the amp delivered a pronounced, crisp, conciseness with the dry bass impulses of Kari Bremnes' „Spor“, which it fired at any volume as determinedly as passionately from the woofers of the connected B&W 800 D3.



LITTLE BROTHER

The smaller Logos Mk2 for about 4300 Euro looks very similar to the Kratos and is also a hybrid amp, but neither as potent nor as deep. And the striking „cylinder bench“ is also missing.

TEST-DEVICES

CD-drive:

Pro-Ject
CD Box RS2T,
T+A PDT3100HV

Media-Player:

T+A MP3100HV

Integrated Amp:

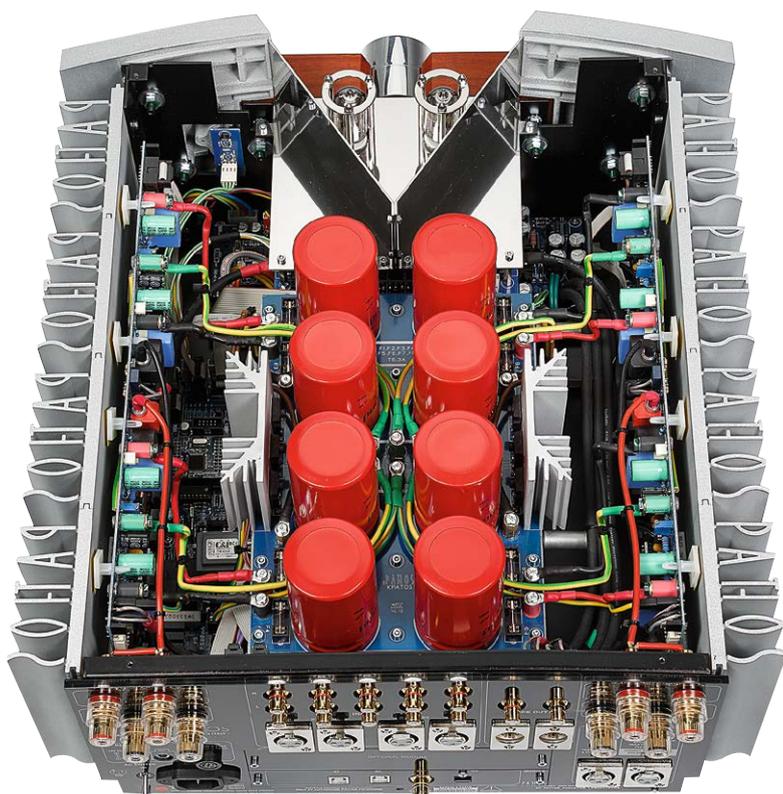
Luxman L-509X

Speakers:

B&W 800D3,
Dynaudio Contour
C60

Cables:

HMS Suprema,
In-Akustik NF- &
LS-2404



Under the bonnet hides an amplifier made with great effort and a multitude of components. The transformer sits invisibly in the basement.



MYSTERIOUS

A remote that is also a memory trainer? Indeed, the six buttons of the wooden Infrared remote are unmarked. Their individual functions are, however, easy to remember. From top to bottom: vol up, vol down, muting, switching inputs, brightness selection of the display, on/off.

However, despite this energy, the Kratos is not a hooligan. Rather, it spreads the music out in front of the listener in a spacious and first-class organized way with a loose attitude thanks to its slightly pastel overtone range, which makes the sound appear pronouncedly untechnical – can you hear the tubes? The absence of a negative feedback may also have contributed to this tonal distancing from the speakers, with the Kratos' light hand developing a magical world, seemingly detached from external influences – thus wrapping the listener around its finger.

The emotionally competent Italian lent lively orchestral music breath, verve and enamel. Jakob Bellens' catchy but dramatic song „Beneath A Cloud“, the Kratos carried, on the one hand, as if floating on clouds, but at the same time gave it musical weight, thus underlining the noble-amp's pronounced – yes – pathos. Indeed it is all in the name!

Top-performing digi-module

The digital module played a special role here. Even by means of top converters and analog input via top cables, we were hardly able to achieve its resolution, coherence and luminosity. It is astonishing how sonorous and free of artificial artefacts the smooth mids got this way. For digital listeners who don't need a streamer or use a pure bridge for this purpose, the „HiDac“ option is highly recommended.

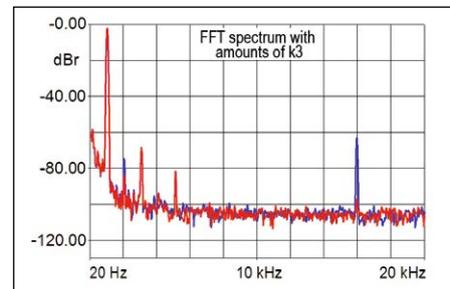
This applies to the entire device, which congenially cultivates and brings to life the idea of the „big amp“. The comparison with high-capacity engines is not far fetched. The Kratos is the eight-cylinder of amps. ■

Pathos Kratos

Price: from 8800€ (optional digital- and phono-MM/MC-Boards)
Dimensions: 43 x 21 x 52,5 cm (WxHxD)
Warranty: 2 Years
Contact: Pathos Acoustics
 www.pathosacoustics.com

This pathos is rock-solid! The Hybrid-Amp impresses with its casual power development and an exceedingly natural, relaxed and three-dimensional sound without harshness and with an elegant touch.

Measurement results



Signal-to-noise ratio referred to 16 Bit	93 dB
Signal-to-noise ratio digital zero	95 dB
Distortions at -9dBFS	0,01 %
Converter linearity at -90dBFS	0,2 dB
Continuous power (8 Ohm / 4 Ohm)	186 W/264 W
Distortions 50mW/5W/1dB Pmax	0,08 %/0,04 %/0,2 %
Intern. 50mW/5W/1dB Pmax	0,3 %/0,06 %/1,2 %
Signal-to-noise ratio at 50mW/ 5W	63,5 dB/82 dB
Attenuation at 4 Ohm (63Hz/1kHz/14kHz)	200/120/66
Upper cut-off frequency (-3dB/40hm)	65 kHz
Synchronization error Volume at -60dB	0,02 dB
Stereo channel separation at 10kHz	61 dB
Power consumption stby/idle	<2 W/140 W223 Volt

Lab-Commentary

Mains phase at tested device High power – in pulse measurement the protective circuit broke down – with still low distortions. Good noise behaviour, effective channel separation. „HiDac“ digital module without fault or criticism.

Features

Seven high level inputs, two of them balanced; one regulated preamp output each in Cinch and XLR; balanced power stage input; individually adjustable headphone connection; options for digital and phono-module; bi-wiring speaker terminals; dimmable volume indicator; remote control



The rear offers a variety of connection options as well as space for two modules. Here, the optional digital card was implemented.

STEREO-TEST

SOUND-QUALITY 97%

VALUE FOR MONEY

★★★★☆

EXCELLENT