



PATHOS

Pathos Acoustics
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Main Specification

Type: *Integrated stereo amplifier,
Hybrid technology*

Output Power: *2x110 W_{RMS} @ 8 Ohm*

Frequency Response: *5 Hz - 140 KHz ± 0.5 dB*

Max input voltage: *6 V_{RMS}*

Input sensitivity: *500 mV_{RMS}*

Input Impedance: *32 KOhm Unbalanced
20 KOhm Balanced*

THD: *0.02% @ 1W
0,2% @ 110W*

S/N Ratio: *> 90 dB*

Analogue Inputs: *2 balanced XRL line,
5 unbalanced RCA line*

Digital Inputs: *1 USB port
2 SPDIF*

Output: *Pre out line*

HiDac / HiDac EVO Specifications:

Sampling frequencies: *44.1, 48, 88.2, 96, 176.4, 192kHz*

Resolution: *16 to 24 bits*

Minimal requirements: *1.3GHz CPU clock, 1GB RAM*

USB requirements: *2.0 USB port*

Dimensions: *420mm (D) x 430mm (W) x 170mm (H)*

Weight: *28 Kg*

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THE UNORTHODOX APPROACH

LÒGOS_{MKII}

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The project

Pathos Acoustics true to the spirit that has animated the factory since its inception has always been involved in the search for new solutions and to the improvement of its machines for Music. And in this spirit that Pathos after more than ten years from the introduction of the integrated amplifier Logos presents its evolution MKII. Pathos is not usual to introduce updated versions of its models except in the presence of substantial and significant new ideas for its loyal customers and in general for all lovers of good music. Indeed, behind the now famous but always original design of the Logos MKII lie a series of new solutions some conceived to further improve the sound of amplifier and others to meet the demand for greater versatility and ease of use also in reference to the use the digital music files. Taken together all the innovations introduced are able to reaffirm the role of reference of the amplifier Pathos Logos MKII in its class and also beyond of its class, thanks to the balance of its sonic performance, its versatility even in the digital domain and its unmistakable design.

Technology

Logos MKII is a hybrid amplifier integrated zero-feedback of significant power (110W per channel), with ECC88 preamp valves, balanced signal up to the valves (which allows full use of the advantage of a balanced source as a Pathos Digit or a Pathos Endorphin), volume control purely resistive with analog circuit with digital control, constant impedance of input and output, the selection of the inputs by means of high-tech miniaturized relay, display with adjustable brightness and remote controlled with all functions.

The final stage in class A / B is a dual-mono with mosfets strongly polarized, oversized power supply by a laminated transformer covered of resin and encapsulated with zero dispersion and capable of providing large energy reserves, excellent dynamics and punch without compromising the elegance and naturalness made from valves. With the update "MKII" were introduced significant improvements. With reference to the musical performance there is: an increased voltage of anodic polarization of the valves in order to optimize the working point of the same and obtain greater linearity and generally a sound with more body and definition; the stabilized power supply for the preamp tubes and accurate distribution of electrolytic capacitors along the signal path (and in particular near each mosfet) that allow you to have a valuable reserve of "quick energy" that during the listening means better dynamic, more detail and great sense of rhythm. In terms of functionality the innovations are in particular: the volume levels can be stored for each input, gain differentiation between digital and analog inputs so as to ensure a consistent level between the different sources used, standby function also by remote control respectful of energy consumption levels imposed by the latest EEC regulations, ability to have a DAC 24bit / 192Khz high quality integrated into the unit. Also increased



LÒGOS_{MKII}

the already rich set of connections with the addition of two digital inputs and one USB input SPDIF that allow, together with the optional DAC, a really significant versatility in the management of digital sources and who nominate the Logos MkII to be the ideal amplifier for the use of digital music files.

Also implemented a new protection against short circuits and overloads through a Hall effect sensor that allows to the device to protect itself against short circuits caused by the speakers and against internal malfunctions preserving in this case also the speakers without diminishing the quality of the signal.

The Sound

The sound of the new Logos MKII amplifier is the result of a balanced mix of virtues: deep and firm low frequencies, the mid frequencies are

surprisingly natural and rich of details, good extension of the high frequencies, capacity to reconstruct a large and complex soundstage as that of a large symphony orchestra but at the same time ability to recreate also the intimate and vibrant atmosphere of a small jazz ensemble.

With the kinds of music of greater physical impact such as hard-rock, the Logos MKII can unleash all the necessary aggressiveness and dynamic that can ensuring emotions and

involvement also to the lovers of the most animated music.

So sophistication and versatility are the peculiar qualities of Logos MKII so as to be the ideal choice for a wide audience without limits about to the kind of music heard as evidenced by the large spread of this model in the world and the ease of pairing with most part of the loudspeakers on the market.

