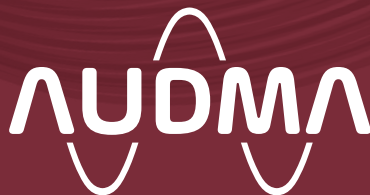


MAESTRO HPA1

A new sound stage in your headphone with **elisa**



The ELISA circuit brings the realism of loudspeaker listening to your headphones, recreating a natural sound image through advanced delay-line processing.

The result is a spatially coherent sound image, with instruments and voices positioned in front of the listener, in an ideal acoustic environment.



The STAGE and ANGLE controls act on the parameters of the ELISA circuit and modify the depth and width of the sound image. STAGE adjusts the perceived distance of the sound image, making it appear nearer or farther away. ANGLE sets its width, making the image wider or narrower.



“

I remember that, years ago, while listening to music on my headphones,
I was amazed by the amount of details that finely crafted headphones
could offer, but at the same time, by how far they were from reproducing
the three-dimensional stereo image that anyone could experience when
playing their own audio system.

This is what led to the creation of ELISA.

”

Engr. Cesare Mattoli

Founder of AUDMA,
designer of the ELISA circuit



**More natural
sound imaging**

**Customizable
ambience**

**Accurate
reconstruction
of the
soundstage**

**Patented in Italy
and registered
worldwide**



Electronic Loudspeaker Imaging Simulating Amplifier

MAESTRO HPA1

High-end amplifier, made versatile

MAESTRO HPA1 is an All-In-One amplifier built around a clear vision that brings together refined circuits and carefully selected components. The ELISA circuit developed by AUDMA recreates the spatial coherence and frontal positioning typical of loudspeaker listening, processing the stereo signal through delay lines. Its output can be adapted to a wide range of high-end headphones through DIP-switch gain control, ensuring optimal performance across different sensitivities and impedances.

MAESTRO HPA1 accepts both analog and digital sources, with digital signals processed by the AKM AK4490REQ DAC featuring VELVETSOUND™ technology, chosen for its natural, precise, and transparent sound. It can also be used as a preamplifier for your hi-fi system. The body is made of solid steel, with a front panel in solid aluminum featuring a silk-effect finish. The knobs are made of solid aluminum and feature CD-style circular engraving. MAESTRO HPA1 is for those who seek immersive listening and understand the value of a product built with care and intention.

ELISA Controls

Dedicated knobs to activate ELISA and manage STAGE (depth) and ANGLE (width) parameters

Double VU and EL meters

Each dial shows the channel's VU-meter input and the ELISA processed signal of the opposite channel



Input selector

Switch between digital and analog sources

Balance

Light balance
±3 dB

Output selector

Switch between Line, Mute and Phones mode

Phones

4.4 mm Pentaconn, 6.3 mm jack and 4-pin XLR

Power Unit
Automatic voltage switch
and fuse holder

Outputs
Preamplified RCA and
XLR output for Hi-Fi system
or external devices

DIP Switch
Output gain
up to +30 dB

Input gain
up to +10 dB

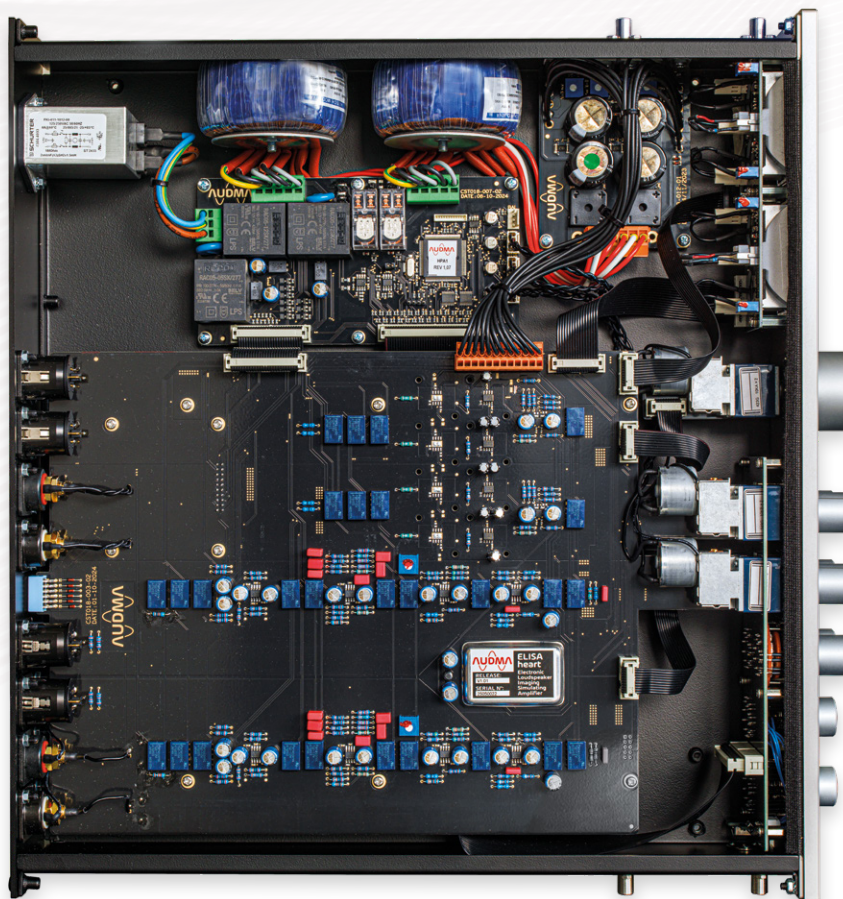
Inputs
Analog: XLR, RCA
Digital: USB 2.0, Coaxial RCA,
Optical TOSLINK



**Dual mono
power supply
with audio
transformers**

**Nichicon
electrolytic
capacitors**

**Wima Red series
audio capacitors**



**Alps Alpine
motorized
potentiometers**

**Alpha rotary
switches**

MAESTRO HPA1 LUXURY

Solid aluminum, top panel engraving and distinctive details: the Luxury version represents the most refined expression of the MAESTRO HPA1.



The design is refined by the AUDMA logo on the top panel and by the embossed side grilles, which promote faster warm-up and allow the system to reach peak performance in less time. Elegance and advanced performance for the most demanding listeners.

MAESTRO HPA1

Steel body, titanium aluminum front panel



MAESTRO HPA1 BLACK

Steel body, black aluminum front panel



MAESTRO HPA1 LUXURY

Solid aluminum body with side grilles and engraved logo



MAESTRO HPA1 LUXURY BLACK

Solid aluminum body with side grilles and engraved logo



Technical specifications for MAESTRO HPA1

Headphone amplifier with ELISA (Electronic Loudspeaker Imaging Simulating Amplifier)	
Device functions	Headphone amplifier, external preamplifier
Analog inputs	XLR stereo Balanced, RCA stereo Unbalanced
Digital inputs	Coaxial, Optical, USB
Input sensitivity	Switchable 0/+10 dB
Input resistance	20 k Ω
Digital converter	AKM AK4490REQ with VELVETSOUND™ Resolution up to PCM 768 kHz / DSD256, 32-bit, 120 dB SNR
Headphone outputs	XLR-4, 4.4 mm Balanced (Pentaconn), 6.35 mm Unbalanced
External outputs	RCA and XLR (used in preamp mode)
Headphone compatibility	Nominal impedance $\geq 6 \Omega$
Output gain	Selectable 0/+6/+12/+18/+24/+30 dB
Output power (1 kHz, 32 Ω)	2 $\times$ 2.0 W
Output power (1 kHz, 140 Ω)	2 $\times$ 8.8 W
Output power (1 kHz, 300 Ω)	2 $\times$ 4.0 W
Signal-to-noise ratio	115 dB
Frequency response	20 Hz – 20 kHz $\pm$ 0.01 dB
ELISA controls	On/Off, STAGE, ANGLE
Other controls	Phase (left, 180°, right), Mode (mono, stereo), Balance, Volume, Output selector (Line / Headphones / Direct)
Remote control functions	System On/Off, Volume, Mute, ELISA On/Off, ELISA Stage, ELISA Angle
Power consumption	Max 100 W, Idle 3 W
Size	43 $\times$ 11 $\times$ 40 cm (WxHxD)
Weight	8.7 kg (11.3 kg Luxury version)



AUDMA is a brand of
Hi-Tech Solutions s.r.l.
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www.audma.it

