

BRIOS0 PHPA1

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.



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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

BRIOS0 PHPA1

Hi-end amplification, made compact

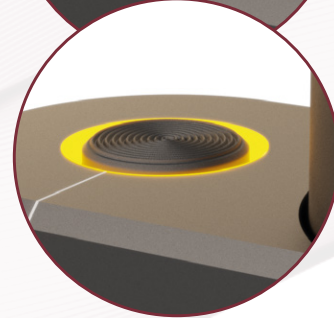
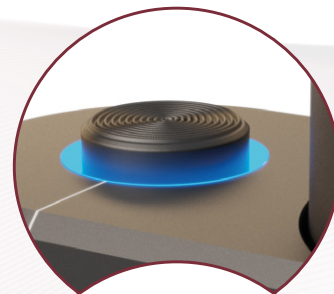
BRIOS0 PHPA1 is the only portable headphone amplifier that integrates ELISA circuit, a unique technology designed to shape the sound image with precision, patented by AUDMA.

Designed and manufactured in Italy, BRIOS0 combines hi-end performance with compact dimensions and functional design. Created to support headphones with different impedances, thanks to the rear switches that allow output power to be adjusted.

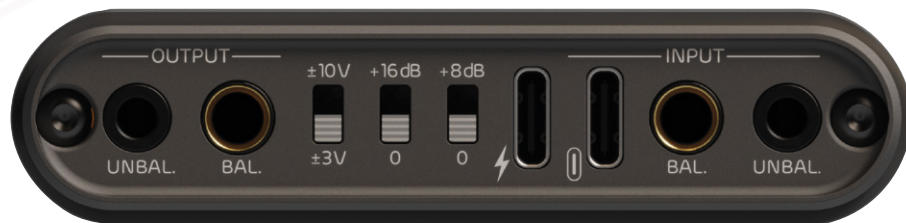
BRIOS0 PHPA1 is equipped with analog and digital inputs, with final conversion handled by the AK4499EXEQ and AK4191EQ, chosen for their precision and VELVETSOUND™ technology. It is made of full anodized aluminum with a silk-effect finish, anti-slip rubber inserts and push-pull potentiometers.

The STAGE, ANGLE, and BASS controls are integrated into the top panel for compactness and functionality.





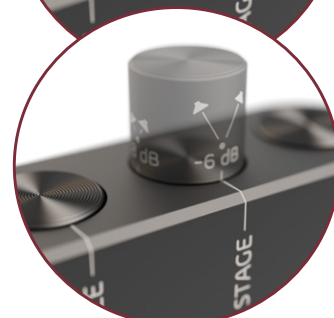
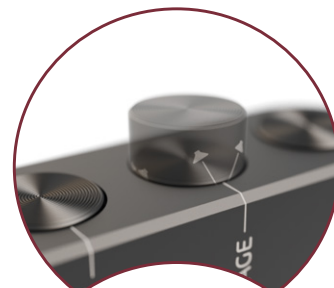
ELISA and battery LED status



OUTPUT
Balanced 4,4 mm
Unbalanced 3,5 mm

SWITCHES
Output drive
 $\pm 3/\pm 10$ V
Output gain
0/+8/+16/+24 dB

INPUT
USB-C
Balanced 4,4 mm
Unbalanced 3,5 mm



Push-pull potenziometers

Technical specifications for BRIOSO PHPA1

Headphone amplifier with ELISA (Electronic Loudspeaker Imaging Simulating Amplifier)

Analog inputs	4.4 mm Balanced (Pentaconn), 3.5 mm Unbalanced
Digital inputs	USB-C
Digital converter	AKM AK4499EXEQ + AK4191EQ with VELVETSOUND™ Resolution up to PCM 768 kHz / DSD256, 32-bit, 135 dB SNR
Headphone outputs	4.4 mm Balanced (Pentaconn), 3.5 mm Unbalanced
Headphone compatibility	Nominal impedance $\geq 6 \Omega$
Output gain	Selectable 0/+8/+16/+24 dB
Output power (1 kHz, 32 Ω)	$2 \times 2.0 \text{ W}$
Output power (1 kHz, 64 Ω)	$2 \times 4.0 \text{ W}$
Output power (1 kHz, 150 Ω)	$2 \times 2.7 \text{ W}$
Output drive	Switchable $\pm 3 / \pm 10 \text{ V}$
Signal-to-noise ratio	115 dB
Frequency response	20 Hz – 20 kHz $\pm 0.01 \text{ dB}$
ELISA controls	On/Off, STAGE, ANGLE
Other controls	Bass, Volume
Rechargeable battery	1600 mAh, 7.4 V (up to 5 hours)
Size	$8.1 \times 1.9 \times 13.8 \text{ cm}$
Weight	240 g



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