



Ayon EPSILON Gen4 KT150 P180w/T100w Class-A monoblock amps

AY 41 AM EPSILON

NZ\$27,995.00 pr (incl. GST)

AXPONA 2018 Show Winner – Positive Feedback Editors Choice
“Audio Oasis” Award!
“Best Sound” Cost No Object LA Audio Show 2017 – The Show Newport 2016 - Robert Harley & Neal Gader
The Absolute Sound Magazine Award



EPSILON MONOBLOCKS: Single-Ended class A Triode Amplification (with real-world power and control to spare)

Ayon's state-of-the-art triode vacuum tube amplifiers provide music lovers worldwide with an authentic listening experience in their home environments. They offer abundant power resources unavailable from conventional designs while fully maintaining and expanding the traditional qualities of the single ended topology.

"HXOS" (Greece) 5-star award

"The Epsilon Monoblock immediately makes clear its wider power bandwidth with more speed, top-end air, detailed resolution and more articulate combined with an impactful bass. It has also a wonderful ability to unravel complex musical threads with grain less purity and surprising musical dynamics. This true balanced monoblock provides perhaps the finest KT88 / KT150 design performance available anywhere near its price".

HiFi STATEMENT

"When we carried Ayon Audio's Crossfire Evo monoblock amplifier for review to my apartment on the fourth floor, my mind flooded with memories of a Germany reviewer that uses Ayon Audio's Epsilon mono amplifiers for quite some time. He use them in both his mastering work while preparing vinyl re-issues and for reviewing purposes. His amplifiers use eight KT150 tubes each to produce sound. Attendees of the Audio Show 2014 in Warsaw (Poland) could find that out for themselves listening to how well these amps handled the mighty Dynaudio Platinum Evidence loudspeakers".

Research and development of our triode amplifiers is conducted by a team of renowned experts at our high end manufacturing facility in Austria. Absolute tonal neutrality, outstanding dynamics and a so far unknown level of resolution are trademarks of our amplifiers, complemented by an explosively fast and uncoloured bass and high power triode performance.

Their sound staging and ambient retrieval equals the finesse of the legendary low power triode designs while leaving behind their disadvantages of high distortion, coloration and limited dynamic reserves. Advanced zero feedback class A circuitry and cutting edge output transformer design make Ayon triode amplifiers recreate music with irresistible magic and authenticity.

Features

Full-featured true balanced vacuum tube mono power amplifier
Switchable between pentode and triode mode
Ideal also for more difficult loudspeaker loads

Vacuum Tubes

The choice of signal and power tubes have a significant influence on the sound and hence on the inspiration and joy of listening. This is not only the decision between good and bad tubes but finally the interaction of the different types of tubes and their combination that are used in the various Ayon amplifiers.

Signal Path

We believe that the simplest circuits work best together with the shortest signal path. The shorter the signal path is, the less possibility of sonic degradation from various sources, including the wire itself. Even on the circuit boards, the copper traces are kept to a very minimum length. The completely redesigned circuit board provides a more straightforward and direct approach to the signal paths.

Logical sequenced soft-start power up for extended tube life

Power tube and electronic protection circuit system

0dB negative feedback (of any kind)

Ultra short signal path

Simplest direct circuit path for purest musical sound and high reliability

No solid state devices in the signal path

High current and low impedance design that operates tubes in the best areas their curves

Minimal discrete wiring for optimum signal propagation

Automatic and manual bias adjustment

No followers or buffers in the signal path

High quality parts throughout

Power Supply

The power supplies have been further refined with new components and enhanced AC line noise filtration. Separate power transformers, chokes and filters provide total isolation between the input and output stages which makes this a pure power source. We also use electrolytic capacitors with much larger storage capacity to make up for the loss in filtering when using resistors in lieu of inductors.

2 Low noise –insulated power transformers

Power transformer is encased, excellent damped and RFI/EMI shielded

Innovative power supply provides a high speed energy delivery on transients

Dual choke filtered power supply for power tubes

Choke for pre and driver stage

Separate and isolated power supplies over each stage of amplification

Regulated DC filament supplies with soft start

AC power line filter to avoid noise and hash from entering into the unit.

High capacitance energy storage.

Current in-rush limiting

Auto sequencing - Power on cycle completes in 1 minute

Dual Grounding System

The modification of the grounding topology leads to increased rejection of noise from the power supply and other areas.

The dual grounding topology used in all of our amplifiers is quite unique to the whole hi-end tube amplification industry. Such extensive topology provides for quieter backdrop for which the music can unfold in its entirety. It further establishes the quick and controlled bass response and the full bodied expression of the high frequency. The ground leg of the signal has not been neglected and given meticulous attention in its implementation. The importance of proper grounding cannot be over emphasized.

Ground switch

Central one-point star earth grounding

Dual grounding system (switchable)

Output Transformer

The super-wide bandwidth output transformer's major strength is that it can deliver the current in the bass, while at the same time maintaining the speed in the high frequencies, dramatically improving the square wave response of the amplifier. The effect is a much more natural and relaxed sound with much better clarity, resolution and fluidity.

Super-wide bandwidth high performance output transformer

High efficiency with low insertion loss for optimal current and voltage transfer

Multiple tight layering and coupling for extended frequency response
Output transformers are sealed with an anti-resonance compound material

Components

The type of parts used therefore must have a synergistic relationship to the circuit they are placed in. It is this relationship of which type of part to use where, that ranks our products apart from the mass.

Selected, premium quality passive components used in all applications
High speed & high quality audiophile grade coupling capacitors
Special tube sockets with beryllium- copper spring pins, custom made by Ayon
Ayon high quality – binding posts
High quality – RCA input jack
Neutrik/Swiss - XLR chassis connectors
Special isolated - internal wiring
Silver-copper matrix - internal signal cable
Gold-plated industrial grade PCB
All wiring to the circuit boards is done with the use of special pluggable pin-connectors.
This is done for easy of repair should ever the need arise.

High Grade Speaker Binding Posts

The new ayon gold plated solid body speaker binding posts provide performance levels that are truly in the very High End. The solid body construction ensures that there is no gap or breach in the flow of electrons. The gold plating provides for superior contact and resistance to oxidation. These binding posts are chosen primarily for their sonic performance, edging out even more expensive counterparts.

Mechanical Construction

The high grade aluminum chassis impart a richer, more lustrous tonality with a cleaner background and less hash and grain. All brushed anodized anti-vibration-resonance and non-magnetic chassis's are fully hand assembled to insure the highest level of craftsmanship.

Improved heat ventilation chassis

The aluminium feet are resonance absorbing types
Backlit "ayon" logo
All front & rear panel descriptions are engraved
Ground switch
AC phase polarity control indicator
Chassis finish: black / chrome

Specifications

Class of Operation: Triode* or Pentode mode, Class-A*
Tube Complement: 6x KT150 std (KT88 optional)
Load Impedance: 4 & 8 Ohms
Bandwidth: 8Hz - 70kHz
Output Power / Pentode mode – KT88 = 150w / KT150 = 180w
Output Power / Triode mode – KT88 = 80w / KT150 = 100w
Frequency Response; 10 Hz - 60 kHz
Input Impedance at 1 kHz: 47 K?
Input sensitivity (full power): 900mV
S/N ratio at full power: 98 dB
NFB: 0dB
Inputs: RCA & XLR
Dimensions: 350W x 550D x 250H mm
Weight: 40 kg ea
Specifications subject to change without notice

Review

The Epsilon could be the first choice for you. they are for me, - DIRK SOMMER AND JÜRGEN SAILE

SUMMARY: whether you are looking for power amplifiers with immensely inexhaustible power reserves, a conspicuously extensive spatial representation, great detail inflexibility and despite all the ability to analyze a charming touch of warmth, without compromising on everyday life and reliability The Epsilon could be the first choice for you, they are for me.

Link

<http://www.audioreference.co.nz/product/ayon-epsilon-gen4-kt150-p180wt100w-class-monoblock-amps>