



Classic series

& factory history



Presentation

Welcome to our catalog dedicated to high fidelity systems. We specialize in building high-quality amplifiers and accompanying components, designed to deliver crystal-clear, precise sound.

All our products are designed, engineered and assembled using only the best components, selected to guarantee faithful and distortion-free sound reproduction. Everything is assembled by hand and subjected to rigorous quality controls to always guarantee, and in any condition of use, excellent performance.

We offer a wide range of devices, suitable to satisfy the needs of every music enthusiast. From entry-level to high-end models, each component is designed to deliver an extraordinary listening experience, with a wide dynamic range and uncompromising sound fidelity.

We are proud to offer enthusiasts amplifiers, preamps, speakers and everything they need to put together high-quality systems that meet their critical listening needs. We can say with certainty that in this catalog you will find the perfect component for your needs

Why choose us?

Our company philosophy is to be able to guarantee reliability and long-term performance.

One of Eamlab's main objectives **is to offer products accessible to all**, without compromising quality.

We firmly believe that everyone has the right to enjoy high-quality audio that can enrich their daily lives. To this end, we strive to maintain competitive prices and offer excellent customer service.

Furthermore, Eamlab is committed to minimizing the environmental impact of its production. we only use ecological materials and support recycling and waste management policies to minimize the environmental impact of our production.

The future in audio reproduction

Home audio has been a central element in homes for many generations. Since the gramophone was first introduced in the early 20th century, it has been continually evolving and improving. In recent years, the advent of digital technology has brought us a further step forward. But what will be the next innovations that the future will bring us?

One of the main trends is connectivity. Most audio devices are now capable of connecting to the Internet and home networks, allowing users to access a wide range of audio content, such as streaming music, web radio and podcasts.

Another emerging trend in the future is innovation in 3D audio and virtual reality. This technology offers a more immersive and lifelike experience that could revolutionize the way we listen to music, watch movies and play video games. 3D audio allows you to precisely position sounds and move sound effects through space, creating an immersive audio experience.

It is no coincidence that we have developed a 6-channel amplifier of very high audio quality which has a very wide possibility of configurations. Versatility in this case is its strength and it can be used, simply, in a 2-channel HI-end system in multi-amplification and multi-channel such as home theater or 3D audio

Company history, the beginnings

The history of the current EAM LAB begins in 1997. In those years of innovations and discoveries in the audio field Emanuele Pizzi founded TCE which produced amplifiers mainly for the professional audio market. From 1998 to 2009 TCE underwent various technological and product transformations until it became the current EAMLAB in 2010.

Eamlab today deals with high-end products for home use. Amplifiers, DACs, preamplifiers and integrated amplifiers built according to high quality standards capable of competing with the best international brands and capable of giving a sense of robustness, reliability and excellent sound reproduction on all levels.

Today our history continues to bring technology and innovation to the highest possible levels for every domestic need for space, power and reproduction, always looking at real use without deviating from our philosophy and descending into useless aesthetic or circuit virtuosity. In every Eamlab product there is always the essential for the best possible functioning and enjoyment of your beloved acoustic system



Year 1998. The HD2700 amplifier is born, a monster of power and reliability in class H. capable of delivering a power of 800 Wrms per channel into 8 ohms with an efficiency of 75% in a chassis just 3 U racks high, an innovation for the time



During 2001 the PA2600 was produced together with its smaller brothers, the PA2400 and PA2200. very compact amplifier capable of over 500Wrms per channel at 8 ohm. Widely used with great satisfaction on tours due to its lightness (for the time), reliability and transportability.



Year 2011 TCE becomes the current EAMLAB. HA600 and HP01 are the first products of the new company that immediately hit the target. Capable of exciting sound reproduction where in a very compact chassis there is a power amplifier of 330 Wrms per channel in class AB into 8 ohm. This was possible thanks to particular innovative circuits designed to keep thermal stability under control as well as the search for latest generation materials to contain the dimensions of transformers and capacitors. Those who still use HA600 and HP01 today are no longer able to do without them. The sound and reliability of the HA600 and HP01 remain a reference today

Year 2014 The first version of the Element 302 amplifier arrives. An amplifier with performances that are still unattainable by many competitors today...





*The **STUDIO** series, our workhorse produced from 2018 to early 2024. It is a line with high performance and very high level musical standards. We are not afraid to say that these products remain at the top for reliability, musicality and transparency.*

*Thanks to the discoveries made with the Studio line we have paved the way for the **CLASSIC** line which marks a new era of home reproduction at exciting levels never heard before.*

The new headquarters: Eamlab has moved to the current 800 m2 headquarters. during 2023. In the new spaces we will be able to produce the entire range of our products from the design phases to the pre-test prototypes up to the finished product which is then packaged and shipped all over the world. Inside there is also a showroom made up of 3 rooms, one of which is multi-channel for targeted listening and final audio tests of new productions with critical listening sessions often accompanied by sector experts. All this to leave nothing to chance and to guarantee you the purchase of a serious product, with a unique and unmistakable sound, highly reliable with a guarantee of craftsmanship assembled and tested in ITALY



THE FOUNDER: Emanuele Pizzi, born in 1973, began his electronic studies at ITIS in Legnano in '88. It is immediately clear to him what his work adventure will be in future years thanks to the passion transmitted to him by his dearest faculty professor, Giuseppe Tassoni. He continued his studies at university and began working for some companies in the professional audio sector until he founded TCE (TecnoElettronica) in 1997 which dealt with the construction of amplifiers and pro systems and in 2010 the current Eam lab having a cultural and technician with over 30 years in the field.

I still have many ideas, many innovations and knowledge to put into practice both for my desire to experiment and for the passion I have had for over 30 years for music and for this sector which tries in every way to reproduce it at its best

Emanuele Pizzi / CEO Eam Lab

Classic 102i integrated amplifier



The **CLASSIC 102i** integrated amplifier is an uncompromising audio engineering product developed around components of absolute and proven quality, entirely assembled with care and craftsmanship.

It is our smallest but extremely high-performance integrated amplifier ever. Packed with features, the CLASSIC 102i delivers over 180 Watts per channel of clean, high-performance power to deliver a breathtaking audio experience.

The dual mono architecture, the latest generation output transistors, our high performance transformers and all the technology that composes it offer you the best of the world of home reproduction such as the warm nuances of a vacuum tube combined with the speed and the pure power of a solid state.

It has audio connections for virtually any home music system.

From line inputs via RCA, to balanced XLR inputs, from the excellent PHONO RIAA stage to the optional DAC where you can further expand the connections up to 3 additional digital inputs.

Our advanced DA2 digital audio module supports resolutions up to DSD512 and PCM 24 bit/384kHz.

Its beauty is completed by a compact, functional design that guarantees you very high performance with any speaker.

- *Dual mono architecture*
- *high flux density transformers*
- *stable at 2 ohms*
- *latest generation bipolar transistors*
- *4-layer PCB layer, one layer for RFI shielding*
- *volume control in the mosfet array digital domain*
- *Latest generation DAC*
- *PRE-OUT and AMP-IN for complete integration into audio video systems*
- *Wide connection possibilities*
- *Native balanced input-to-output structure*
- *Conversion of line data flow via RCA into balanced signal*



CLASSIC 202i is the integrated amplifier par excellence. It offers a power of over 200W per channel into 8 ohms which guarantees it can drive any speaker system in any conditions of use.

The exuberant dynamic reserve is given by the enormous power supply section which brings together years of study and research in this field.

The resulting sound reproduction has an immediately noticeable aspect, a particularly wide and deep sound stage with a detailed focus of each individual instrument at any volume regime.

Like its smaller brother the classic 102i shares many common solutions such as the DAC, a RIAA phono input, volume control in the digital domain and the possibility of integration into existing audio/video systems

The dual mono architecture, the balanced circuitry and careful development of the PCB definitively sign the powerful performance of this amplifier.

Furthermore, the practical and modern touch screen display allows for easy and intuitive use to simplify the installation and configuration of each parameter

- *Dual mono architecture*
- *high flux density transformers*
- *stable at 2 ohms*
- *latest generation bipolar transistors*
- *4-layer PCB layer, one layer for RFI shielding*
- *volume control in the mosfet array*
- *digital domain*
- *Latest generation DAC*
- *PRE-OUT and AMP-IN for complete integration into audio video systems*
- *Wide connection possibilities*
- *Native balanced input-to-output structure*
- *Conversion of line data flow via RCA into balanced signal*

Classic 202i integrated amplifier



With the **CLASSIC 302i** we have achieved levels of musicality and sound pressure previously unthinkable for an integrated amplifier.

Contained here is all our experience made up of hours, trials, tests and technological knowledge to put into practice the creation of a machine with amazing performance

Dual mono architecture, a practical and functional touch display, a power of over 300 Wrms per channel at 8 ohm, selected components and instruments to give shape to a musical reproduction instrument par excellence.

We can guarantee you that the performance of this integrated amplifier is in some ways comparable, if not sometimes superior, to separate components.

If you want to simplify your life and have a "compact" capable of competing with the best separate systems CLASSIC 302i will become your definitive choice

- *Dual mono architecture*
- *high flux density transformers*
- *stable at 2 ohms*
- *latest generation bipolar transistors*
- *volume control in the mosfet array digital domain*
- *integration into audio video systems*
- *Wide connection possibilities*
- *Native balanced input-to-output structure*
- *Conversion of line data flow via RCA into balanced signal*
- *Extreme power, 2 x 1000 Wrms @ 2ohm*
- *Dynamic Crest factor >20db*

Classic 302i integrated amplifier



Classic 102 power amp & Classic B1 preamplifier



CLASSIC PRE B1 is a preamplifier with a new circuit concept and is the new generation of preamplifiers of our production.

Compared to our previous models, it shares many solutions established over time such as the fully balanced circuitry, the dual mono architecture and the wide swing-voltage power supply of the amplification stages.

But in this new generation of preamplifiers the entire circuit has been revisited, now much more performing than ever.

Starting from volume management up to the analogue amplification stages with instrumentation components.

We have added an excellent phono pre section and the optional DAC with Saber Hyperstream™ technology guarantees you a versatile product with vast potential.

This preamp is the perfect interface between music and our power amplifiers

CLASSIC 102 it is a power amplifier with exciting potential. It is the most compact amplifier of our production but it will leave you speechless with its very high musical performance.

Drive everything from small bookshelf monitors to large floor-standing towers with energy and dynamics you'll find hard to believe.

It is the perfect product for every budget and for every demanding audiophile who does not want to neglect quality at the expense of size.

It shares many aspects of the CLASSIC 102i integrated amplifier both in terms of dimensions and circuitry.

Double transformer for a dual mono architecture, balanced inputs and an astonishing dynamic reserve with the same power and dimensions

The amplifier is completed by balanced input and output inputs which also allow the connection between multiple devices joined together for multi-way systems.

Classic 250M mono power amps

The new **CLASSIC 250M** is a monophonic system with a technological development that will leave you breathless.

With an elegant and modern design, they are not only a gem for the eyes, but also capable of giving you an extraordinary sound experience. Thanks to the great power and precision, you will immerse yourself in a world of crystal-clear sounds with an extended dynamic range that will enhance every note and every detail of your favorite music.

In a compact chassis, thanks to modern electronic technologies, there is a power amplifier capable of delivering over 1Kw on a 2 ohm load and capable of putting even the most demanding speakers on the world scene to the test.

Get ready to experience unique emotions with this system with an unforgettable sound





Classic 202 power amp

Dual mono architecture

- *high flux density transformers*
- *stable at 2 ohms*
- *latest generation bipolar transistors*
- *high power always available*
- *890 W per channel at 2 ohm in pulse mode*
- *Darlington topology interstage configuration for wide bandwidth*
- *The separation between channels of over 80db reconstructs a large, sculpted and detailed soundstage*
- *Dynamics and control of low frequencies are its distinctive feature*

When the going gets tough we deploy heavy artillery.

With the **CLASSIC 202** power amplifier you can rest assured that any connected speaker will be tamed but at the same time respected.

We don't tend to color the sound in any way, but only amplify it by doing it in the best possible way.

From the power stage to the output stage, everything in this device has been oversized for exciting and long-lasting performance.

Balanced inputs and dual mono architecture as usual in our electronics also reside in this powerful amplifier

With almost 900 W per channel in impulsive mode you are sure to enjoy hours of music like you have never heard before.

The inexhaustible dynamic reserve and the control of low frequencies are the distinctive feature of this music machine.





Classic 302 dual mono power amp

High power combined with disarming musical quality are the first impressions one gets when listening to **CLASSIC 302**.

This amplifier adopts latest generation circuit solutions and components and makes the difference when connecting it to complex and demanding acoustic systems, being capable of returning the sound message without harshness even at high powers and with limit load situations.

the current driving guarantees high dynamics at both low and high volumes and the powerful sizing of the power supply stage favors total control over the speakers for the benefit of a crystal-clear sound message with great depth.

CLASSIC 302 currently remains the best solution for the amplification of complex and high-end high-end systems





Classic DAC digital to analog converter

Every component of the **new CLASSIC DAC** has been completely updated from its previous generation to create a premium device with the ultimate in mechanical design, power supply and circuitry.

A total redesign of every component turns it into a spectacular conversion machine. New listening impressions await you with extraordinary music playback capacity

With 16 (8+8) 32-bit Hyperstream™ DAC circuits connected in parallel to achieve low noise and phenomenal linearity. Its Saber 9038PRO chipsets are manufactured by ESS. In addition to directly processing DSD signals, a new proprietary processing algorithm performs analog conversion of PCM data at 36-bit resolution for rich, smooth and delicately detailed sound quality. The performance improvement offered by this proprietary Eamlab principle results in output signal noise at very low levels, a feat that is very difficult to achieve with conventional delta-sigma converters.

furthermore, each channel has separate, stabilized and well-filtered power supplies, centering the product in the particular dual mono circuitry. Only in this way can dynamic transparency and separation between channels be achieved at very high levels.





WWW.EAMLAB.COM

All information and technical documents can be consulted and downloaded from the site

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