



MEZE  
AUDIO

109220

Made in  
Romania









**Sound. Comfort. Design.**  
**True high-end.**

Meze Audio was born out of pure passion for extraordinary sound, timeless aesthetics and good craftsmanship. To this day, our philosophy remains unchanged. Through an integral approach, without cutting short on quality, build or performance, we aim to blur the barriers between headphone design and artistry, and create inspiring, meaningful experiences.

Every aspect counts – sound, comfort, materials – they are all equally important in creating a lasting product that you can fall in love with, over and over again. From looks to technology, Meze Audio products are designed to surpass short-living trends, bringing long-standing value to those who choose them.

## DEFINING DEEP AUDITIONING - A PERSONAL JOURNEY THROUGH SOUND

As the first dynamic open-back headphone from Meze Audio, 109 PRO is a demonstration of our commitment to go beyond the faithful reproduction of sound to deliver pure emotion.

It all started with a purpose – creating joy. It's about letting yourself get lost in sound, about that intimate connection you have with your favorite artist, song or instrument, when all distractions are removed.





## A PIECE OF OUR ROMANIAN HERITAGE

We make headphones that last; inspiring works of functional art that are meant to accompany you on a lifelong journey through the universe of your emotions. Inspired by our cultural heritage, the artwork on the 109 PRO box is a visual manifesto of our aim for resilience.

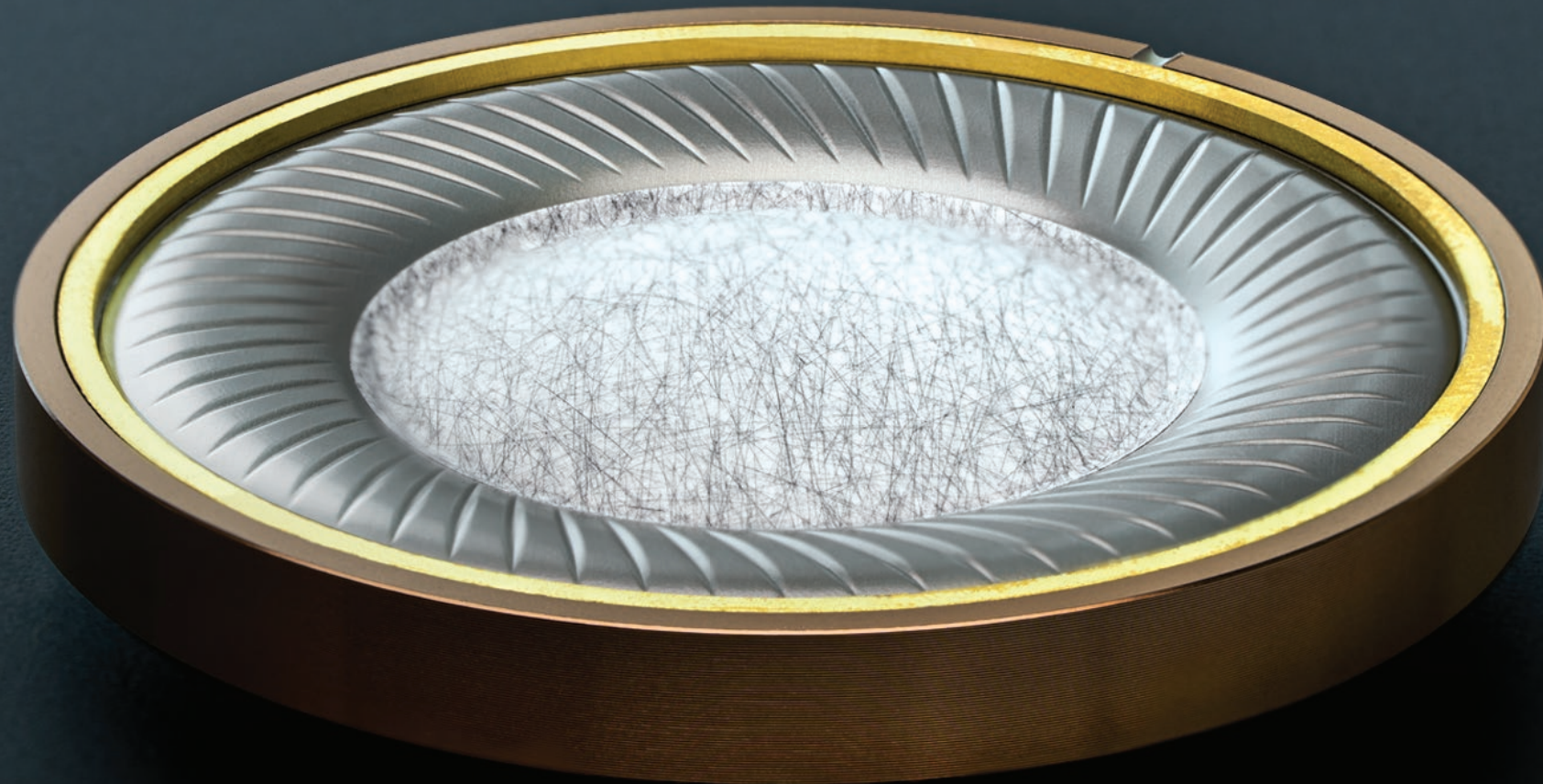
This intricate geometric pattern is a stylized representation of a traditional wooden gate, the ultimate testimony of craftsmanship and pride that defines us, the people of Maramures. Hand-carved with artistic refinement from various kinds of wood, these colossal arches are adorned with meaningful symbols passed down throughout history; an intricate alphabet with secret, ancient meanings for the villagers here. In the center of the pattern, repeated on each corner, the square spirals depict one of our oldest archetypes – the horns of a ram.

A sacred symbol of strength, rebirth and creativity, the ram holds in its horns the power to lead, achieve and overcome. A perfect metaphor for all the things we stand for.









## DRIVER DESIGN

In order to meet the acoustic goals we set for the 109 PRO, we focused our R&D efforts on materials research for each of the driver's components.

The quest for maximizing the sonic abilities of the headphone started with the diaphragm, where we focused on finding the perfect balance between mass and stiffness.

Our research led to developing the 109 series Dual-Composite Diaphragm - a combination of Beryllium-coated polymer and cellulose-carbon fiber composite.

Tasked with improving the absorption of the vibrations is the copper-zinc alloy stabilizer ring, where the choice of materials contributes to significant reductions in distortion.

Alongside the two, lies the light and efficient neodymium magnet and copper coil. Together, they are encased in a CNC machined, high precision aluminum frame, proven to be exceptionally reliable.





Made of a carbon fiber enforced cellulose composite, the W-shaped dome is able to reproduce high-frequencies with incredible detail, clarity and definition.

More durable than conventional alternatives used in dynamic drivers, yet lightweight, this composite helps reduce resonances that may lead to harmonic distortion.

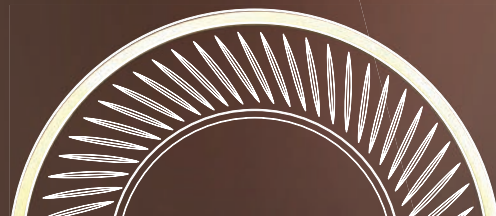


The ultra-thin **torus** surrounding the dome is composed of Beryllium-coated semicrystalline polymer, measuring 22 microns in thickness. By applying the Beryllium coating through Physical Vapor Deposition (PVD), we aimed to increase the stiffness and durability of the driver, while still keeping it light enough to achieve a fast transient response. These qualities are also enhanced through the corrugations on the torus, which are precisely carved at a 45.5° angle.

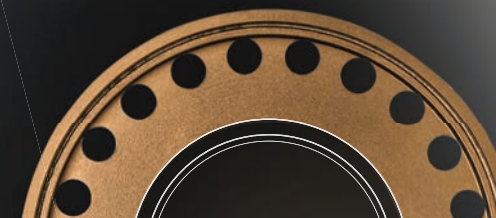
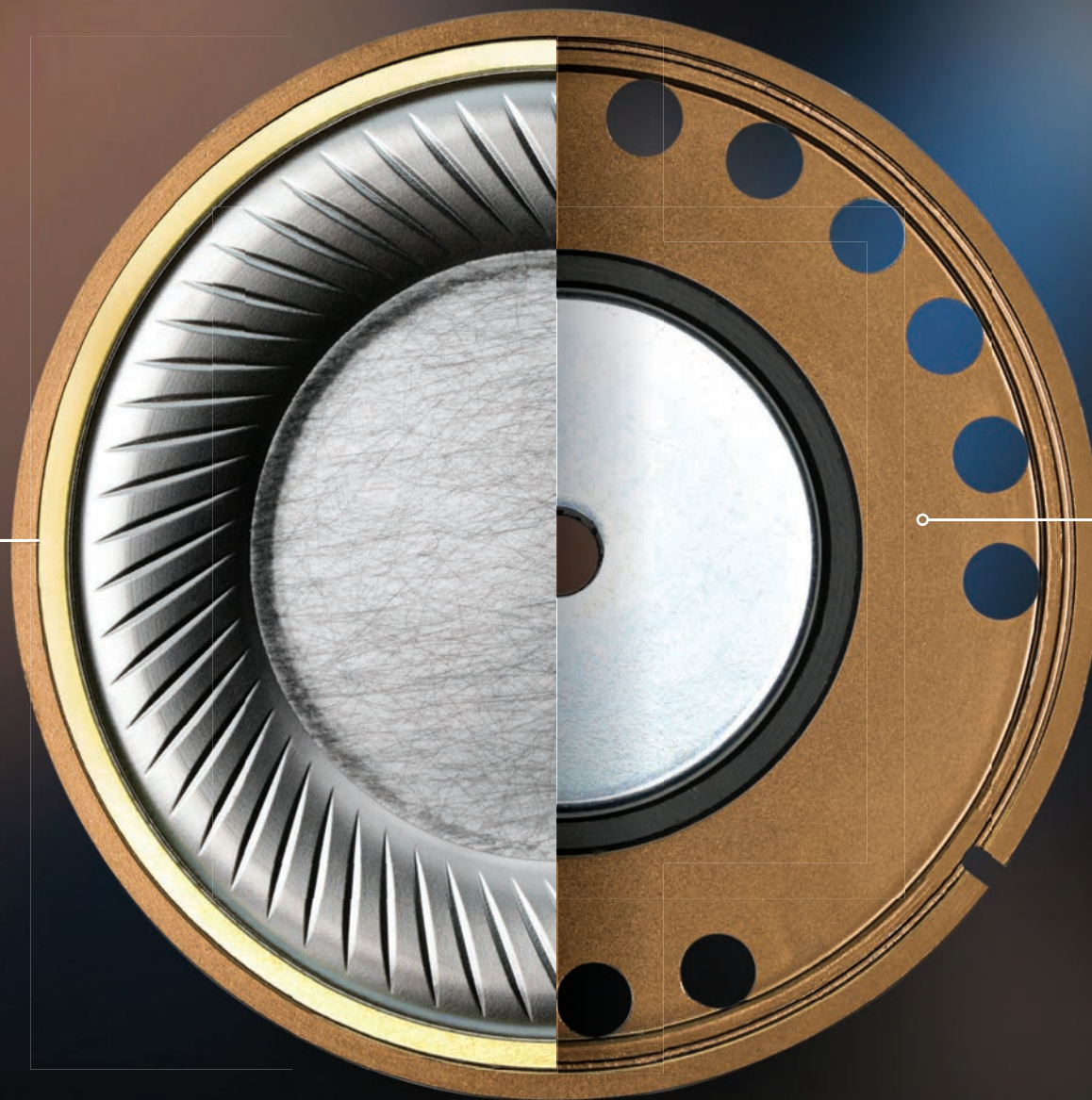
Beryllium's high damping qualities also help suppress unwanted resonances, giving the 109 PRO its neutral, vivid and transparent character.







The copper-zinc alloy **stabilizer**, positioned around the membrane, improves the absorption of vibrations to further reduce distortion.



The **diaphragm** is encased in a high-precision aluminum frame, together with the neodymium magnet. Manufactured using CNC machining, the frame offers superior rigidity, strength, and thermal stability to retain surface flatness.

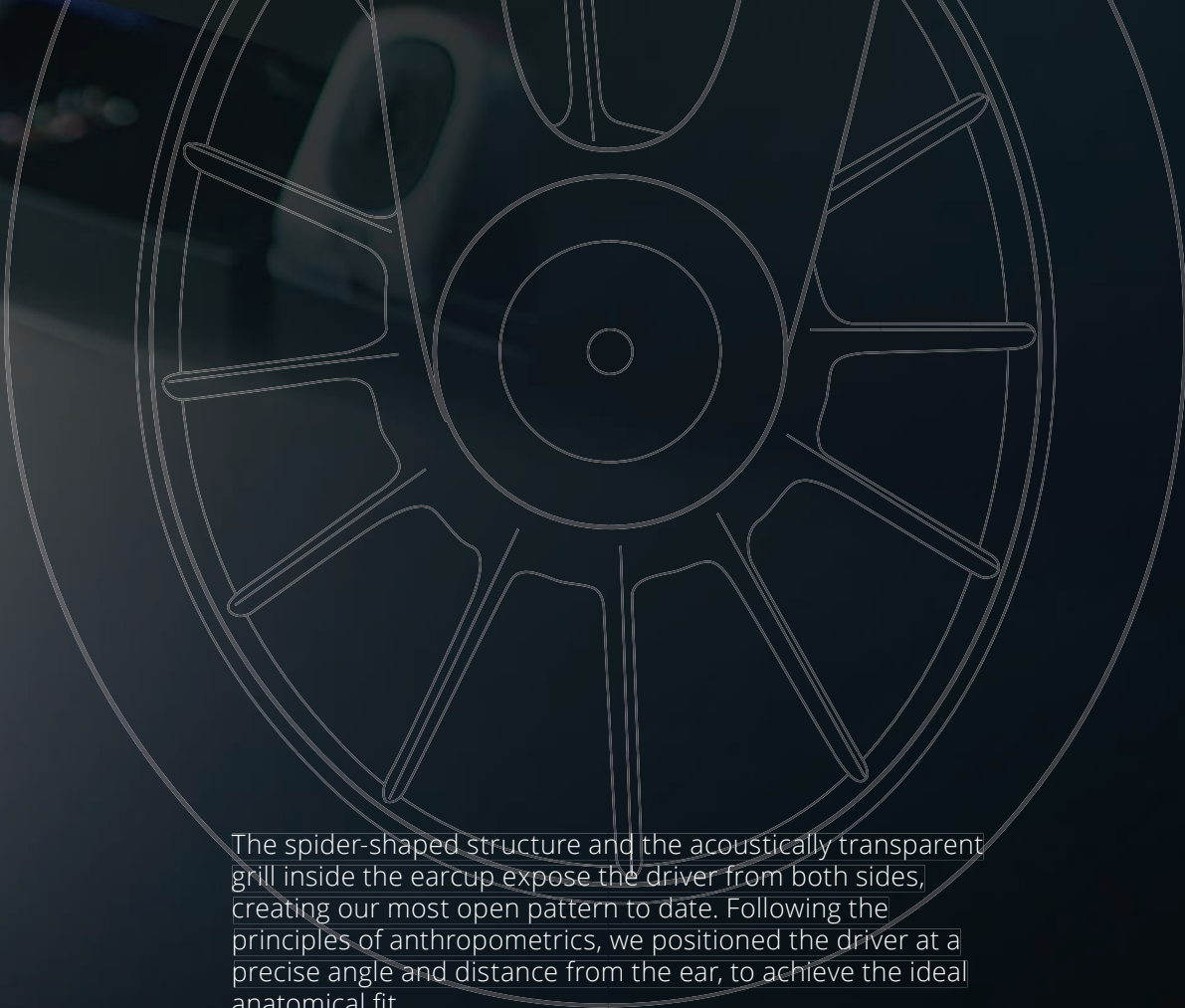




### ACOUSTIC DESIGN

Through its open-back design, we wanted the 109 PRO to be vivid and exciting, empowering the listener to connect with music on a deeper level.

Carefully tuned by our in-house engineering team, it offers emotionally engaging sound with great detail, clarity and just the right amount of punch. Its organic character, paired with superior dynamics, excellent imaging, and full-bodied vocals bring soul-stirring details to life. Besides, it's easy to drive from most devices, whether we're talking portable sources or intricate home setups.



The spider-shaped structure and the acoustically transparent grill inside the earcup expose the driver from both sides, creating our most open pattern to date. Following the principles of anthropometrics, we positioned the driver at a precise angle and distance from the ear, to achieve the ideal anatomical fit.

Velour cushions comfortably surround the ears, providing the optimal seal to create natural sound. As velour is far softer and more breathable than leather, it also prevents sweat and overheating during lengthy listening sessions.

The self-adjusting headband spreads the weight out to deliver even pressure for any head shape and size.



## SUPERIOR BUILD EQUALS SUPERIOR EXPERIENCE

The 109 PRO is all about comfort – from the structural design of the headphone to the choice of materials, all decisions were carefully made to ensure the final product rises to our highest standard, in terms of ergonomics. Once placed on your head, the headphones have to become unnoticeable, leaving you with nothing but the music.

With this perspective in mind, we combined **black walnut wood, zinc, manganese steel** and **vegan leather** in a comfortable, lightweight, yet highly durable structure.







## **SUSTAINABLY HARVESTED WOOD**

The black walnut wood we use for our headphones comes strictly from sources with a certificate of origin, harvested from mature trees that have reached the end of their life cycle. This way, the environment is being protected, leaving room for new life, while the old trees are shining once again, in the shape of a Meze headphone.





## DESIGNED WITH TIMELESSNESS IN MIND

The 109 PRO is crafted with utmost care for sustainability. As our choices of today can have a great impact on the world of tomorrow, we design products that last. We believe that a longer product lifespan means a smaller environmental footprint.

Following this philosophy, the 109 PRO can be taken apart and serviced endlessly if ever needed, which can extend the life of the product beyond limit.



SPECIFICATIONS

TRANSDUCER SIZE:	50 mm
FREQUENCY RESPONSE:	5 Hz - 30 KHz
SENSITIVITY:	112 dB SPL at 1 KHz, 1 mW
IMPEDANCE:	40 Ω
WEIGHT:	375 g (13 oz) without cables
EAR-CUPS:	Black Walnut Wood

ACCESSORIES

CASE:	Hard EVA pouch
INCLUDED CABLES:	- 1.5 m soft TPE cable, with black aluminum casings, ending with 3.5 mm jack  - 3 m soft TPE cable, with black aluminum casings, ending with 3.5 mm jack
HEADPHONE TERMINATION:	3.5 mm TRS jack
INCLUDED ADAPTERS:	6.3 mm gold-plated jack
WARRANTY:	2 years

WARRANTY

Meze Audio guarantees their products against defects in materials or workmanship for a period of two (2) years from the date of purchase from a Meze Audio authorized dealer. Meze Audio will repair or replace the product or parts at no charge. After two (2) years, you are responsible for the repair, part replacement or full replacement of the product.

This warranty does not cover cosmetic damage, acts of God, normal wear and tear, accidents, misuse, commercial use, any modifications to the product, improper use or improper connection. Additionally, it does not cover purchase from an unauthorized dealer, attempted repair by anyone other than Meze Audio or another authorized person or unit.

This warranty does not cover products sold by unauthorized resellers, products sold as-is, open box, second hand, display models, or opened or used products.

This warranty is also void if the product was damaged by a product that it was used with, such as battery leak or electrical fault of a connecting product.

In order for the warranty to be applied, a proof of purchase is required. A proof of purchase may be in the form of a receipt, bill of sale, transaction code with the model of the product and the date of purchase listed from an authorized dealer. Meze Audio is not responsible for the replacement or repair of products if in violation of this warranty. Some countries may have other restrictions on warranties.

SAFETY INSTRUCTIONS

- Keep the product, accessories, and packaging parts out of reach of children and pet to prevent accidents and choking hazards.
- With wired headphones, you should avoid sharp movements, which could cause the headphones to fall from your head. You

could be seriously injured especially if you are wearing pierced earrings, spectacles, etc.

- Do not use the product in situations that require special attention (e.g. in traffic or when performing skilled jobs).
- Always keep the product dry and do not expose it to extreme temperatures (hair-dryer, heater, extended exposure to sunlight, etc.) to avoid corrosion or deformation.
- As with any equipment that will be used in close proximity to sensitive areas of the body, it is essential that the ear pads and headband are kept clean. Use a dry cloth for cleaning.
- Do not attempt to clean the headphones with sharp objects.
- When connecting to your music source, make sure that the volume is turned down before plugging in the headphones. Do not set the volume too high, as you could permanently damage your hearing.

RETURNS

In the event that you need warranty service on your earphones, ear buds or headphones, or you are not satisfied with your purchase, please contact the Meze Audio authorized dealer you made the purchase from, or Meze Audio, through the contact form found on [mezeaudio.com](http://mezeaudio.com) and [mezeaudio.eu](http://mezeaudio.eu), in case you purchased the item on the Meze Audio website. We are not responsible for items returned without previously contacting Meze Audio.

REFUND POLICY

Products purchased from our website can be returned within 30 days from the purchase date.

Item must be in functional condition and not damaged by the customer. The package and item must be without any visible damage, and complete with all accessories.

To be eligible for a refund from Meze Audio, the product must have been purchased directly from Meze Audio. If your product

was purchased from other retailers, you must contact that specific retailer.

The customer is also responsible for shipping costs related to returning the merchandise. Original shipping cost will not be refunded. If the product you received is defective from Meze Audio or when purchased through any other authorized dealer, you may request an exchange under our warranty policy.



This product complies with Electromagnetic Compatibility (2004/108/EC) directive when used and installed according to this instruction manual.



Correct Disposal of This Product. (Waste Electrical & Electronic Equipment) Applicable in the European Union and other European countries with separate collection systems.

This marking on the product, accessories or literature indicates that the product and its electronic accessories should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of household waste and recycle them responsibly to promote the sustainable reuse of material resources.





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[www.mezeaudio.com](http://www.mezeaudio.com)