



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.

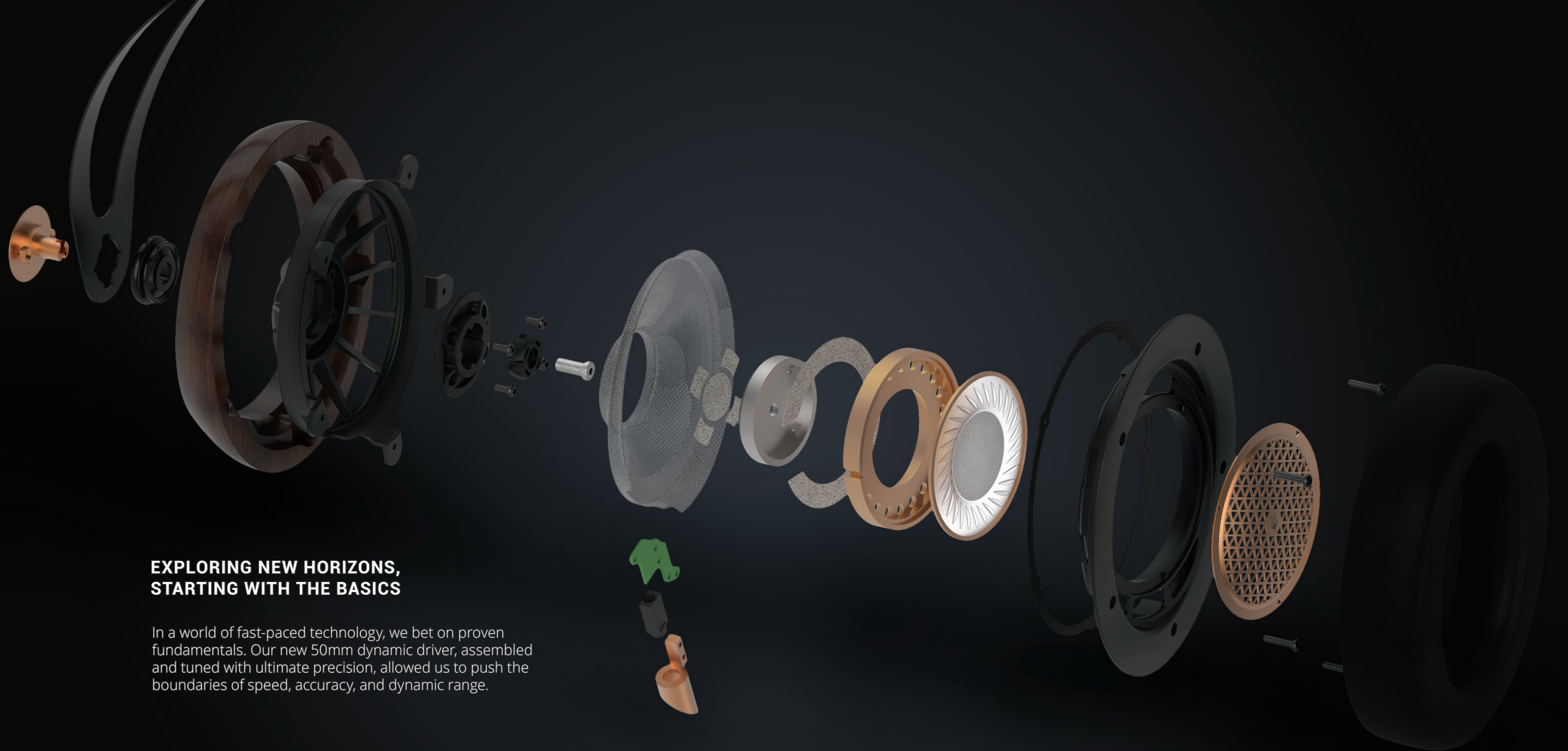
Every aspect counts – sound, comfort, materials – they are all equally important in creating a lasting product that you can fall in love with, over and over again. From looks to technology, Meze Audio products are designed to surpass short-living trends, bringing long-standing value to those who choose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

DEFINING DEEP AUDITIONING - A PERSONAL JOURNEY THROUGH SOUND

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.





EXPLORING NEW HORIZONS, STARTING WITH THE BASICS

In a world of fast-paced technology, we bet on proven fundamentals. Our new 50mm dynamic driver, assembled and tuned with ultimate precision, allowed us to push the boundaries of speed, accuracy, and dynamic range.



DIAPHRAGM DESIGN

The diaphragm is the heart of the headphone, producing the waves our brains ultimately perceive as sound. In order to meet the acoustic goals we set for the 109 PRO, we focused our R&D efforts on materials research, looking for the perfect balance between mass and stiffness that would maximize the sonic abilities of the headphone.

Our search led to developing the 109 series Dual-Composite Diaphragm – a combination of Beryllium-coated polymer, cellulose and carbon fiber composite and copper-zinc alloy.



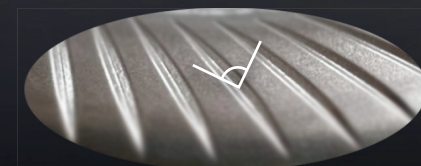
Made of cellulose composite enforced with carbon fiber, the W-shaped **dome** is able to reproduce high-frequencies with incredible detail, clarity and definition.

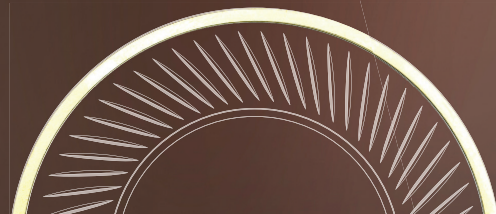
More durable than conventional alternatives used in dynamic drivers, yet lightweight, this composite helps us avoid resonances that may lead to harmonic distortion.



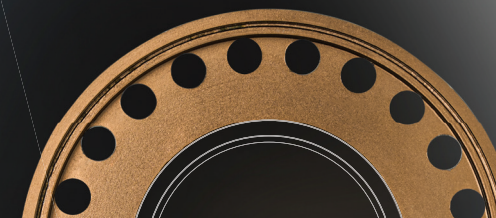
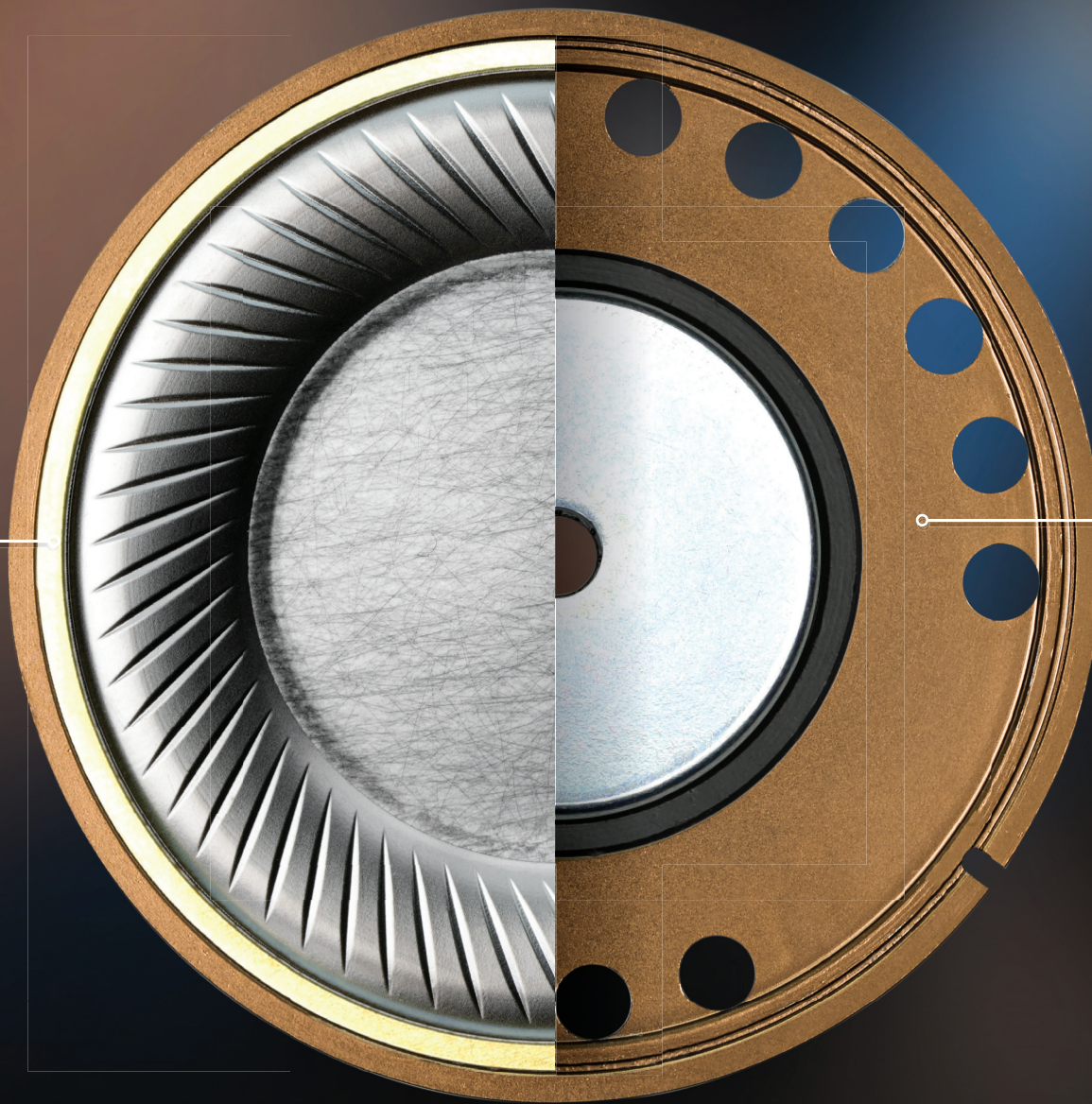
The ultra-thin **torus** surrounding the dome is composed of Beryllium-coated semicrystalline polymer, measuring 22 microns in thickness. With the Beryllium coating applied through Physical Vapor Deposition (PVD), we aimed to increase the stiffness and durability of the driver, while still keeping it 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.

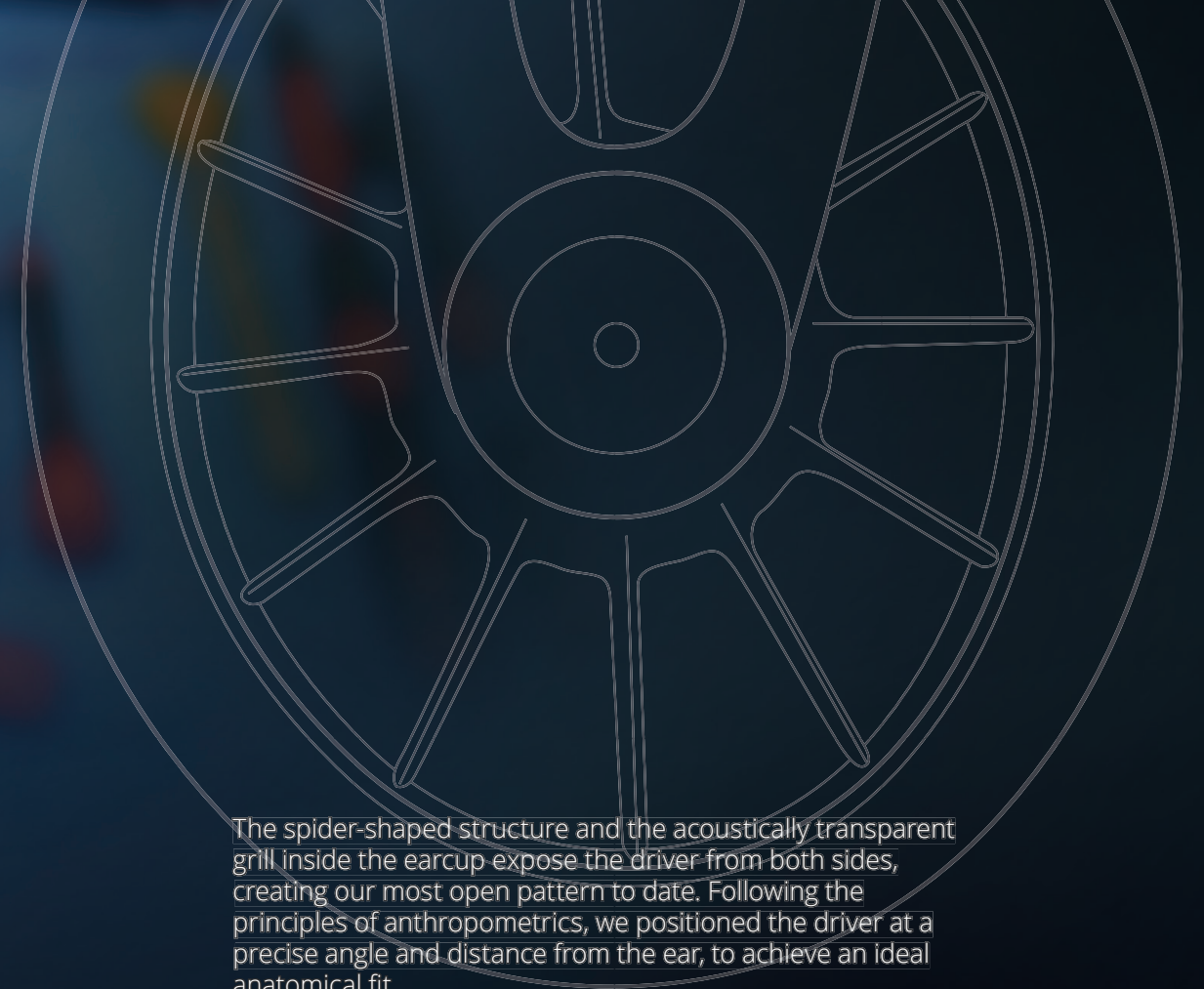




Around the membrane, the ring-shaped **stabilizer** made of copper-zinc alloy improves the absorption of vibrations to further reduce distortion.



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



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

ACCESSORIES

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