

EMPTYREAN

ISODYNAMIC HYBRID ARRAY HEADPHONE

GATEWAY TO SONIC PARADISE

Building upon the legacy of its predecessor,
Empyrean II represents our leap forward in sound.

A dark, textured, rounded rectangular object, possibly a piece of equipment or a component, is centered in the frame. The object has a grainy, metallic appearance. In the center of the object, the Roman numeral 'II' is printed in a white, serif font. The background behind the object is a dark, checkered pattern, likely a woven fabric or a similar material. The overall lighting is low, creating a moody and industrial atmosphere.

II



“When we first talked about creating the second generation of Empyrean, I knew it would be far from easy. With many ideas in mind, I reached out to our community, eager to gather their feedback in any way I could, trying to understand their expectations. We went through many changes and even faced some frustration when things didn't go as planned, but in the end, we stuck with it and now I'm very proud of what we've achieved.”

– Alex Grigoraş, Acoustic Engineer



ARTISTRY & CRAFTSMANSHIP

A symphony of form and texture, Empyrean II is an experience for the senses.

A close-up, low-angle shot of a curved aluminium frame. The surface is a matte black finish. A prominent feature is a red, intricate Art Deco inspired pattern, likely a grill or decorative element, which is CNC-milled into the metal. The pattern consists of repeating, stylized, interlocking shapes that create a dense, geometric texture. The lighting is dramatic, highlighting the metallic sheen and the depth of the milled pattern against a dark background.

Crafted with precision via CNC milling, the aluminium frame features a sleek matte black finish and a redesigned grill that draws inspiration from the bold and timeless art deco patterns.



In the center of the all-black frame,
a silver accent casts a radiant glow.

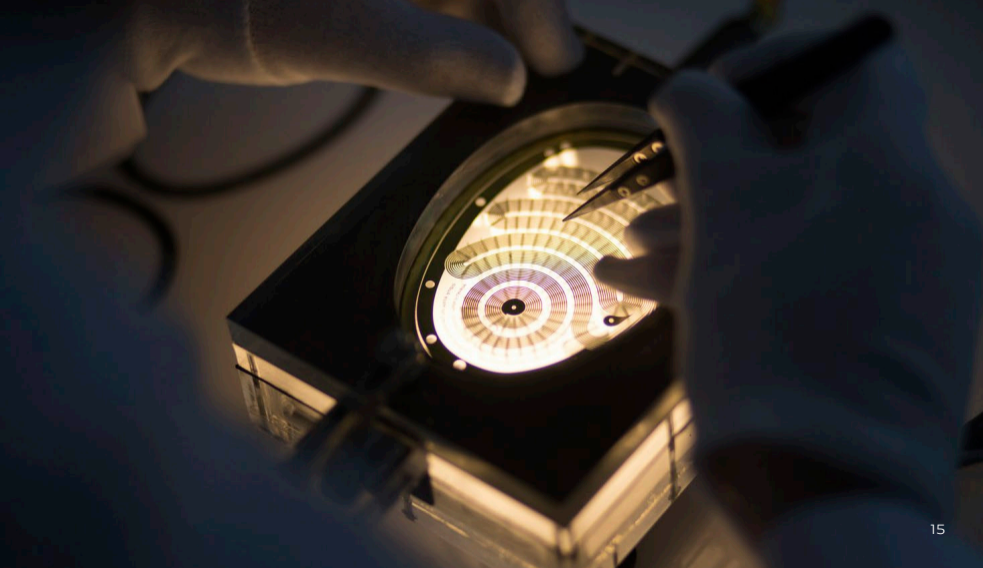
MORE OF WHAT YOU LOVE:

MORE CLARITY
MORE DEPTH
MORE FUN



MEZE X RINARO

Empyrean II emerges as the fruitful collaboration of two passionate companies that set out to explore uncharted territories. Together we have masterfully harnessed the power of Rinaro's Isodynamic Hybrid Array Driver to reach a new world of sound.





ARCHITECTURE OF THE ISODYNAMIC HYBRID ARRAY DRIVER[©]

The Isodynamic Hybrid Array Driver combines individual switchback and spiral shaped voice coils in one driver, allowing sound to be targeted with more accuracy around the natural form of the ear.

Patented in US, EU and China



ACCURATE REPRODUCTION

Total harmonic distortion (THD) measures under 0.1% in the whole frequency range

LIGHTWEIGHT

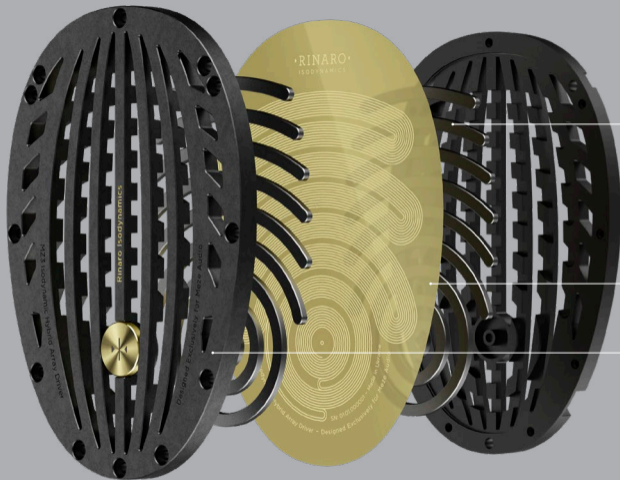
Reduced driver weight designed to create a headphone that offers prolonged listening sessions

ERGONOMIC SHAPE

Ergonomically shaped driver structure with an increased active area

ULTRA-HIGH-RESOLUTION AUDIO

Upper-frequency limit of audio reproduction is 110,000 Hz



[MZ3] HYBRID MAGNET ARRAY

Symmetrically placed on each side of the diaphragm, the neodymium magnets are specifically arranged into a Hybrid Array to create efficient Isodynamic magnetic field required for a uniform activation across the whole diaphragm surface.

RINARO ISOPLANAR® DIAPHRAGM

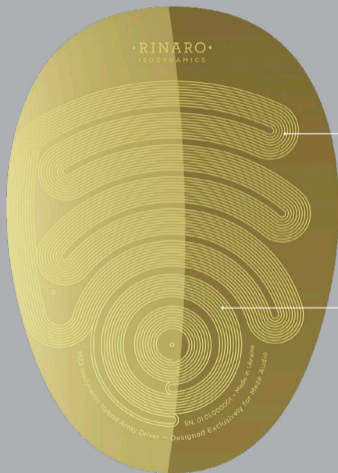
Weighing only 0.16 g while having 4650 mm² of active area.

[MZ3] FRAME

Fiberglass infused ABS.

ISOPLANAR® DIAPHRAGM MATERIAL

The diaphragm is manufactured from a thermally stabilized isotropic polymer with a conductive layer. Through unique processing methods, an ultralight yet rigid diaphragm has been achieved.



The **switchback coil** is more efficient at reproducing lower frequencies and is positioned in the upper part of the driver.

The **spiral coil** is more efficient at reproducing middle-high frequencies and is positioned directly over the ear canal enabling more direct sound waves to enter the ear without any time delays.



ISOMAGNETIC® EARCUP TO EARPAD COUPLING TECHNOLOGY

Rinaro's Isomagnetic® coupling technology makes switching earpads a breeze. It utilizes the demagnetizing field generated by the driver to secure the earcup in place, while simultaneously redirecting the magnetic field back into the driver, thereby enhancing efficiency.

SONIC MASTERY REIMAGINED

Our goal was to enhance the headphones' ability to reproduce fine details and achieve a more neutral sound signature, all the while preserving the original "easy to listen to" character. Using ingenious tuning methods, we revealed new possibilities in terms of resolution and detail retrieval, achieving a cleaner and more accurate representation of audio.



GOLD NOTE
PS-9

45 RPM
33 1/3 RPM



YOUR SOUND, YOUR CHOICE

Empyrean II comes with two sets of earpads included for the ultimate sound customization. Switch between our Duo and Angled earpads for an auditory journey that is entirely your own.

DUO EARPADS

Crafted from a precise blend of premium leather and Alcantara, the Duo Earpads introduce a contemporary dimension to the signature sound profile of Empyrean II. With leather forming the base half and Alcantara covering the rest, these earpads deliver a harmonious tonal balance that resonates across all music genres.



ANGLED ALCANTARA EARPADS

Made of soft foam coated with Alcantara, with a fine protective mesh on the grill, the Angled Earpads excel at rendering intricate details and nuances in your recordings. Paired with Empyrean II, they create a detailed, airy and accurate listening experience, for the classic audiophile.

UNBOUNDED COMFORT

With Empyrean II, your music takes center stage. Following our highest standard for comfort, its purpose-built ovoid earcups softly adapt to the shape of your ears, giving you hours of listening with no discomfort.







Our patent-pending suspension wings expand the contact area between your head and the leather headrest while minimizing weight and pressure, providing enhanced comfort even during extended periods of use.

PACKAGE CONTENTS

1 **Suitcase:** High-strength ABS plastic suitcase with foam inserts and leather handle

2 **Two sets of earpads included:**

- one ANGLED ALCANTARA®,
- one LEATHER + ALCANTARA® DUO

3 **Cable options:**

Mini XLR to 4 PIN XLR Balanced Copper PCUHD

Mini XLR to 2.5 mm Balanced Copper PCUHD

Mini XLR to 3.5 mm Copper PCUHD

Mini XLR to 4.4 mm Balanced Copper PCUHD

Mini XLR to 6.3 mm Copper PCUHD

Mini XLR to 4 PIN XLR Balanced Silver Plated PCUHD

Mini XLR to 2.5 mm Balanced Silver Plated PCUHD

Mini XLR to 3.5 mm Silver Plated PCUHD

Mini XLR to 4.4 mm Balanced Silver Plated PCUHD

Mini XLR to 6.3 mm Silver Plated PCUHD



TECHNICAL SPECIFICATIONS

Driver Type Rinaro Isodynamic Hybrid

Operating Principle Open

Ear Coupling Circumaural

Frequency Response 8 – 110,000 Hz

Impedance 32 Ω

Sensitivity 105 dB SPL at 1V, 1kHz

Maximum SPL >130 dB

Total Harmonic Distortion (THD) <%0.05 (in the whole frequency range)

Frame Weight 385g

MZ3 DRIVER SPECIFICATIONS

PHYSICAL

Geometrical Shape Ovoid

Size 102 mm x 73 mm

Weight 82 g

Casing Fiberglass infused ABS

DIAPHRAGM

Type Rinaro isoplanar® [MZ3]

Active Area 4650 mm²

Weight 0.16 g

Acoustic Mass 10.7 kg / m⁴

Lower Frequency Limit 8 Hz

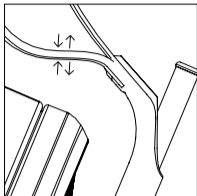
Upper Frequency Limit 110,000 Hz

MAGNET

Array Type Isodynamic

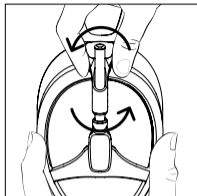
Size 75 mm x 49 mm

Magnetic Flux 0.35 T



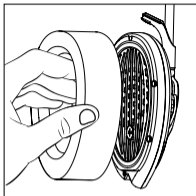
PRESSURE DISTRIBUTION WING

Patent-pending suspension wings increase the leather headrest's contact surface area with your head and relieve uncomfortable pressure points.



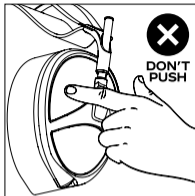
EASY EARCUP ADJUSTMENT

To easily adjust the earcups in the right position, you need to simply rotate the hinge while gently pulling down the ear cup.



ISOMAGNETIC EAR CUSHION COUPLING TECHNOLOGY






















An innovative design feature is the Isomagnetic earcup attachment which utilizes the demagnetizing field generated by the driver to hold the earcup in place, whilst also redirecting the magnetic field back into the driver and improving driver efficiency.



ALUMINIUM GRILL

Do not attempt to push the grill, for it may result in permanent damage of your headphone.

FOR YOUR SAFETY: MAXIMUM RECOMMENDED SOUND LEVEL/DAY

LEVEL	EQUIVALENT TO	TIME
 90 dB	 Hair dryer	 8 Hours
 95 dB	 Power mower	 4 Hours
 100 dB	 Tractor	 2 Hours
 105 dB	 Chainsaw	 1 Hour
 110 dB	 Rock concert	 30 Minutes
 115 dB	 Jackhammer	 15 Minutes
 120 dB	 Ambulance	 Dangerous



To prevent possible hearing damage, do not listen at high volume levels for long periods.

SAFETY INSTRUCTIONS

- Keep the product, accessories, and packaging parts out of reach of children and pets to prevent accidents and choking hazards.
- With wired headphones, you should avoid sharp movements, which could cause the headphones to fall off 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 (hairdryer, heater, extended exposure to sunlight, etc.), to avoid corrosion or deformation.
- As with any equipment which will be used in close proximity to sensitive areas of the body, it is essential that the earpads and headband are kept clean. Use a dry cloth for cleaning.
- Do not attempt to clean the driver with sharp objects.
- When connecting to your music source, make sure that the volume is tuned down before plugging in the headphones. Do not set the volume too high, as you

could permanently damage your hearing.

- Hearing a crackling noise when you put on your headphones is absolutely normal, due to the pressure zone created between your ear and the diaphragm. The noise usually goes away when the headphone stabilizes on your head. Do not attempt to push the earcups. Avoid any hard and fast movements when handling your headphones.

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 headphone replacement.

This warranty does not cover other related costs and is independent from the seller's warranty policy, depending on the country.

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 doesn't cover purchases from an unauthorized dealer, or attempted repair by anyone other than Meze Audio or another authorized person or unit. 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.

This warranty does cover products sold as-is, open box, second-hand, or display models.

In order for the warranty to apply an original proof of purchase is required. The proof of purchase may be in the form of a receipt or bill of sale from an authorized dealer, with the model of the product and the date of purchase mentioned mandatory.

The warranty is transferable, on the condition that the original proof of purchase is provided.

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.



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.

www.mezeaudio.com



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