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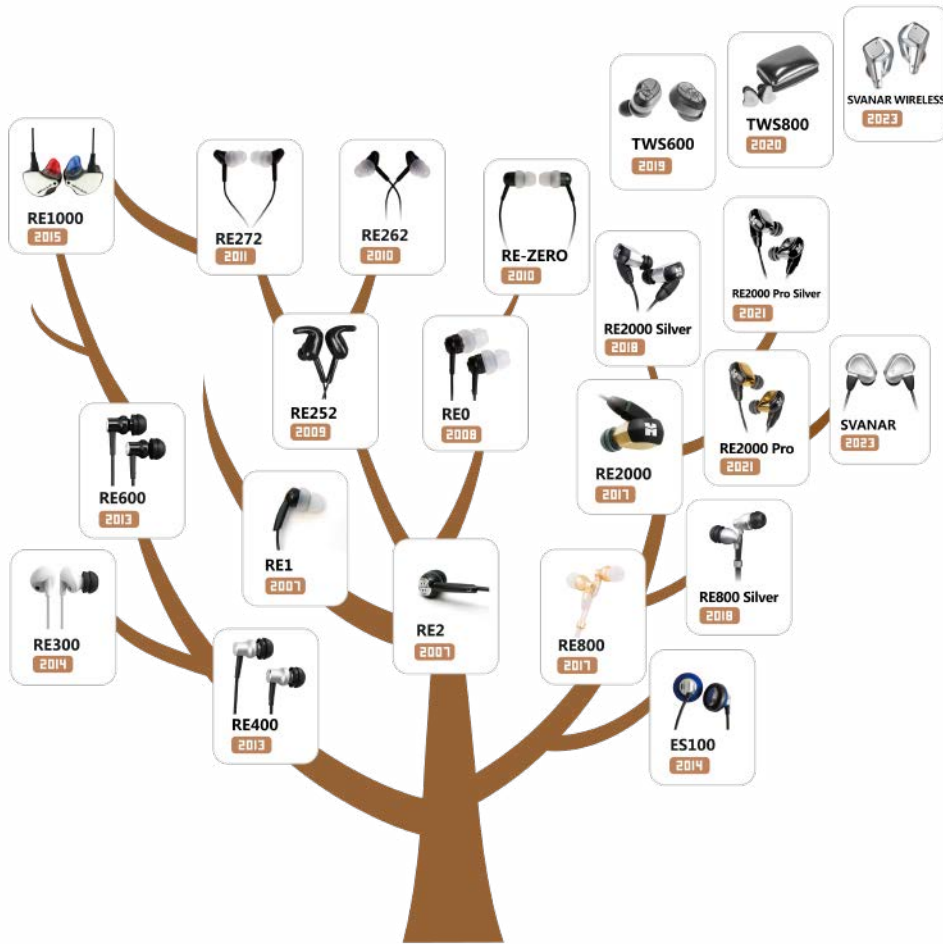
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RE2000 PRO

Owner's Guide

# The Evolution of HIFIMAN's In-Ear Monitors



All things in life evolve. They begin in a proto form, a prototype, if you will. For us, it was back when we were called Head Direct and offered the RE2. On the surface, the RE2 shared many traits of other in-ear monitors (IEMs), but they were different, unique. With the RE2, it was an IEM that featured a dynamic driver, a common component in similar products. However, the RE2 was designed for audiophiles, which had never been done before. It was something new and wonderful.

In 2007, the first HIFIMAN (Head Direct) tentatively took its first steps out of the water and into the world when it introduced the RE2. It was soon followed by the RE1, a high impedance IEM, which led to the highly acclaimed RE0.

The RE0 was a true audiophile-grade IEM with a dynamic driver that exhibited sonic detail that set it apart from the rest of the market. A cult following grew, and it wasn't long before HIFIMAN (the company's new name) debuted the RE252, the first Hybrid Coil dynamic driver, making use of two different coil materials. It was immediately lauded as a new pinnacle of dynamic driver performance.

After years of research, we are proud to announce the next technological advancement in the world of wideband dynamic driver technology. The "Topology Driver" makes use of the latest methods of driver production to craft and sculpt nano particle layers upon the diaphragm's surface, resulting in an unparalleled level of control.

The idea behind the new Topology Diaphragm was inspired by HIFIMAN's founder Dr. Fang Bian's Ph.D. thesis, carefully controlling the diaphragm's surface structure to yield exceptional acoustic performance, with the tonal consistency and coherency of a single driver with no crossover or interaction of multiple drivers that get in each other's way.

The Topology Driver is the finest single driver IEM technology in the world today.



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## Message from the Founder

Dear Fellow Music lover:

Thank you for your purchase of a HIFIMAN product. We take great pride in offering audio products that provide best-in-class performance and value.

Though it seems like only yesterday when I started HIFIMAN as a passionate audiophile, we are in our second decade in business and eagerly look forward to an exciting future. The company is rapidly growing, and the HIFIMAN brand has become one of the most respected in the industry.

Even with our success, the one thing that has not changed is my passion for music and creating products that help recreate that live experience. Now, I am joined by many others in the company who share my passion and in turn, we humbly share that with you.

Thank you again for your purchase. I hope you will find this guide useful in learning about your product which will help you enjoy countless hours of listening pleasure.

Happy listening,

*Fang*

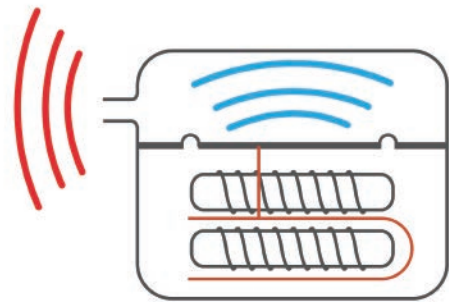
Dr. Fang Bian,  
Founder and CEO

# The Topology Driver

HIFIMAN's utilization of advanced depositional technology and research led to the creation of a driver unlike any other in the world. Topological, nano scale layer application technology, allows for the manipulation of sound wave creation like never before. No other driver technology allows for such control and precision, resulting in clarity, detail and nuance such that it can best the world's most complicated driver designs, but with none of the coherency and crossover issues.

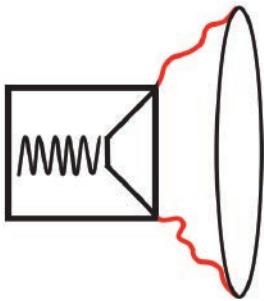
## Armature's Inadequacies

The inadequate soundstaging produced by Balanced Armatures is caused by the way sound waves are formed by the armature's multiple wave reflection and diffraction in the driver, which can cause high levels of distortion. Therefore, armature-based IEMs have little breadth and yield a sound that is flat without a sense of emotion.



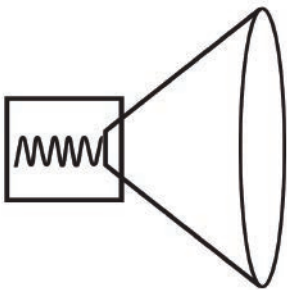
## The Diaphragm Distortions of Dynamic Drivers

Traditional dynamic drivers can produce frequency response alterations due to distortion and vibration across the diaphragm surface.



## The Ideal Dynamic Driver

The Topology diaphragm structure used by HIFIMAN greatly reduces uncontrolled diaphragm distortions, enabling the operational performance of dynamic IEMs to approach a superior level of wave control.





## What is a “Topology Diaphragm”?



The “Topology Diaphragm” or “Topology Driver” refers to the diaphragm with a special Nano particle coating applied to its surface. The distribution of the coating features distinct geometric patterns. By varying the surface pattern compound, the thickness or geometric pattern sound wave formation can be manipulated to achieve the desired audio effect and control.

The idea behind the new Topology Diaphragm was inspired by Dr Fang Bian’s Ph.D. thesis that “different Nano materials have differing structures and each of those materials has its own properties.” Therefore, by carefully controlling the diaphragm surface structure it is possible to yield improved acoustic performance at a previously unobtainable degree.



## The Acoustic Channel

HIFIMAN applied rigorous testing and comparisons to more fully understand the acoustic interactions that take place in sound waves as they traverse from the driver to your ear. This, in conjunction with our Topological Driver design capabilities, allow us to further advance the end-user experience. The changes in the topological driver pattern allows you to enjoy sonic output precisely as the artists intended.





## The Housing

Through a process of repeated and seemingly endless prototyping, it came down to three material options: bronze, copper, and brass. Echoing the story of Goldilocks and the three bears, the first material, bronze, was too hard and the second, copper, was too soft. However, brass was just right.

Brass is the ideal combination of workability and exceptional tonal qualities without the fractional over-rigidity of bronze or the slightly soft copper.

The shape of the housing is again an example of the perfect mix of industrial design, comfort, and a striking visual. The sweeping outer curvature juxtaposed against the angularity of the housing body seamlessly fits in the ear. The hard and yet soft satin exterior gently nestles itself in the listener's ear, where it provides excellent fit, comfort, and isolation, all to create a one-of-a-kind listening experience.

For RE2000 PRO, the exterior chamfer radius is increased, making the exterior more rounded and comfortable in the ear. The exterior housing cover was upgraded from plastic to aviation-grade aluminum, retaining the original's low weight, but with a more robust outer housing.





## The “H” Connectors

For the first time, HIFIMAN created an IEM with replaceable cable connections. End-users can swap cables to sample a wide range of types and construction materials, from oxygen-free copper to pure silver. The RE2000 PRO will meet the requirements and preferences of all listeners.

## Technical Data

### Specifications

Frequency Response: 5Hz-20kHz

Impedance: 60Ω

Sensitivity: 103dB

Earphone Weight: 9.8g (0.35oz)

### Physical Attributes

Topology Diaphragm

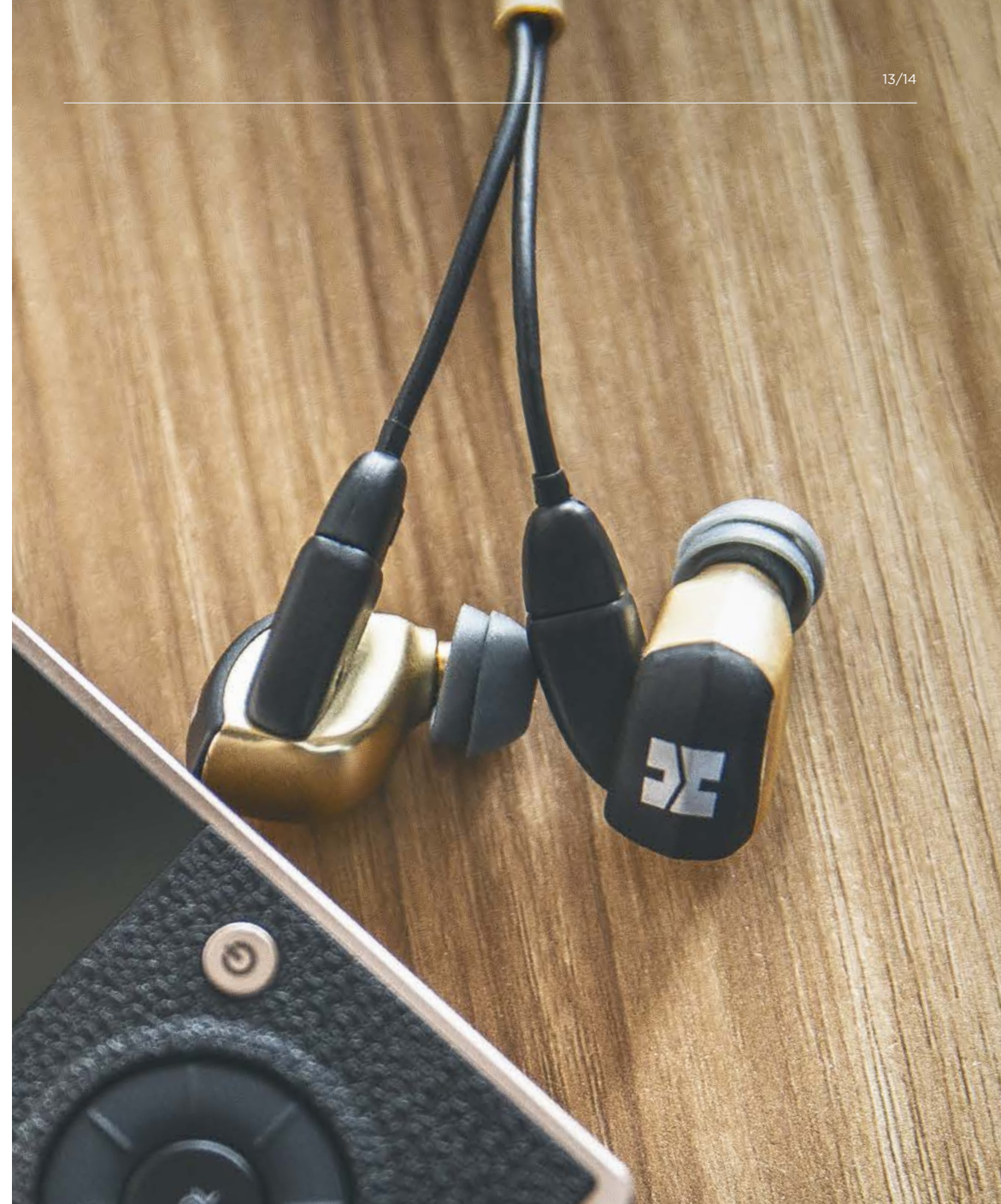
9.2mm Dynamic Driver

Brass Housing

Silver Coated, Crystalline Copper Wire

### Package Contents

- (1) Pair RE2000 PRO
- (1) Pair of Foam Tips (large)
- (1) Pair of Foam Tips (medium)
- (1) Pair of Tri--flange (large)
- (1) Pair of Tri-flange (medium)
- (1) Pair of Bi-flange (medium)
- (1) Pair of Single-flange (medium)
- (2) Dual Pin "H" Connectors
- (1) Cable
- (1) Pair of Ear Guides
- (1) Earphone Travel Case
- (1) Owner's Guide



## How to Wear the RE2000 PRO

Before using your earphones, make sure the volume is turned down.

There will be a small (R) and (L) on the housing of the earphones denoting the right and left. Place the earphone in your ear canal using a gentle twisting motion, pushing it into your ear canal until you get a secure fit. The cable should exit straight down (fig. 1). You may have to try different size ear tips to achieve the correct fit and level of comfort.

If you desire to wear the cable in the “over the ear” style (fig. 2), follow the steps above, but the cable should exit to the top at a slight angle. You may need to adjust the angle to get the right level of comfort and secure fit. We recommend wearing your RE2000 PRO up and around your ear for the optimum fit in terms of both comfort and sound.

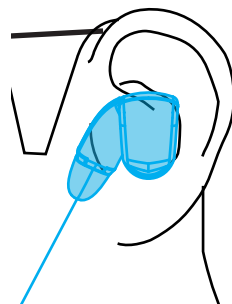


fig.1 - Normal

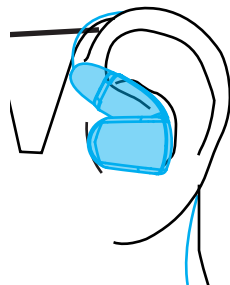


fig.2 - Over the Ear

## How to Maintain your IEM

To clean the RE2000 PRO, use a slightly damp cloth. Do not use any chemical-based cleaners, and make sure liquid does not flow into the drivers. The internal driver should not require any maintenance. If the unit is disassembled, the warranty is null and void.

## HIFIMAN Limited Warranty

HIFIMAN warrants this product to be free of defects in material or workmanship for a period of three years from the date of the original retail purchase. If your product is found to be defective during the warranty period, HIFIMAN will, at its sole option, either repair the product or replace the product with a new or factory reconditioned or substantially equivalent model. This limited warranty does not apply to any defects attributable to damage beyond the reasonable control of HIFIMAN including damage caused by abuse, misuse, misapplication or modifications performed by anyone other than HIFIMAN.

If your product is under warranty and problem appears, please contact HIFIMAN customer service or your authorized dealer. If necessary, and at our discretion, we will provide a warranty repair or replacement of your product.

Caution: Do not disassemble or modify the product in any way.

Tampering with or modifying your HIFIMAN product will void its warranty.

This Limited Warranty does not apply to :

1. Defective or discolored parts if the damages are caused by fluids, dirt, missing keys, broken plastic parts or improper use.
2. Damage caused by misuse with another product.
3. Use of the product for other than its normal intended use, including, and without limitation, failure to use the product in accordance with the supplied Owner's Guide.
4. Damage caused by accident, abuse, neglect or misuse.
5. If you do not have a valid dated receipt showing proof of purchase.



6. Damage caused by services/repairs or other modifications to the system carried out by anyone other than HIFIMAN or an authorized HIFIMAN distributor or dealer.
7. Damage caused by self-repair or if the product was disassembled or modified in any way.

If you have any questions or concerns about your product, simply contact your authorized dealer or HIFIMAN directly (if purchased from us) and explain the issue in detail. Should a return be required, a Return Authorization number will be issued. Return shipping to HIFIMAN or an authorized service facility will be at the owner's expense. The warranty applies to the first purchaser and is not transferable.

**For any further information or questions, please contact your authorized HIFIMAN dealer. Or email us directly at [customerservice@HIFIMAN.com](mailto:customerservice@HIFIMAN.com).**



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HIFIMAN ELECTRONICS CORPORATION  
Address: 2602 Beltagh Ave, Bellmore, NY 11710, USA

### 1. Correct disposing of waste electrical and electronic equipment (WEEE) and symbol of the “crossed-out wheeled bin”

The crossed-out wheeled bin on WEEE means that you are obliged by law to dispose of this equipment separately from the unsorted municipal waste collection system. Disposing of it in the residual waste bin, the yellow bin or yellow bag for recyclable materials is legally prohibited. If the equipment contains portable batteries, accumulators or lamps that are not permanently installed, these must be removed before disposing of the product and be disposed of separately as waste portable batteries.

### 2. Ways of returning waste electrical and electronic equipment

Owners of waste electrical and electronic equipment can return them to those facilities for returning or collecting waste electrical and electronic equipment set up and provided by the public-sector waste disposal authorities or alternatively with collection points installed by producers, retailers or distant sellers to ensure that the waste electrical and electronic equipment is disposed of correctly. The following link leads to an online registry of the available collection and take-back sites: <https://e-schrott-entsorgen.org/>

### 3. Data privacy

We should point out to all end-users of waste electrical and electronic equipment that they themselves are responsible for deleting all personal data from the waste electrical and electronic equipment to be disposed of.

**WEEE Reg. No. DE 73830605**  
**WEEE Reg. No. DE 48150071**

