Completely Redesigned D8000: A New Design

The "DC" in the model name is derived from the musical term *Da Capo* (meaning "return to the beginning" in sheet music). Seven years after its release, the previous model "D8000 Pro Edition " became a long-seller with over 2,000 units shipped worldwide. Now, we have thoroughly reworked the design of the original D8000 Pro Edition and developed a new flagship headphone.

The diaphragm of the driver unit has been re-engineered from the manufacturing process, and our proprietary "AFDS: Air Film Damping System*" has undergone a complete redesign, with the hole diameter, pitch, and pattern of the punching metal being reworked. Additionally, by removing the magnet from the front of the driver, the opening ratio has been increased by approximately 70% compared to the previous model. The ear pads have also been made 1.5 times thicker than before, significantly increasing the acoustic volume. In addition to maintaining the open soundstage and bass fullness, along with delicate high frequencies, every note has become more refined, achieving an expansive soundstage.

Moreover, the design changes have resulted in a weight reduction of approximately 100 grams, and the use of a special washi (Japanese paper) fabric ensures a dry, comfortable fit without a sense of tightness, prioritizing comfort.

*Note: "AFDS: Air Film Damping System" is a trademark or registered trademark of Final Corporation.

Enhanced "AFDS: Air Film Damping System"

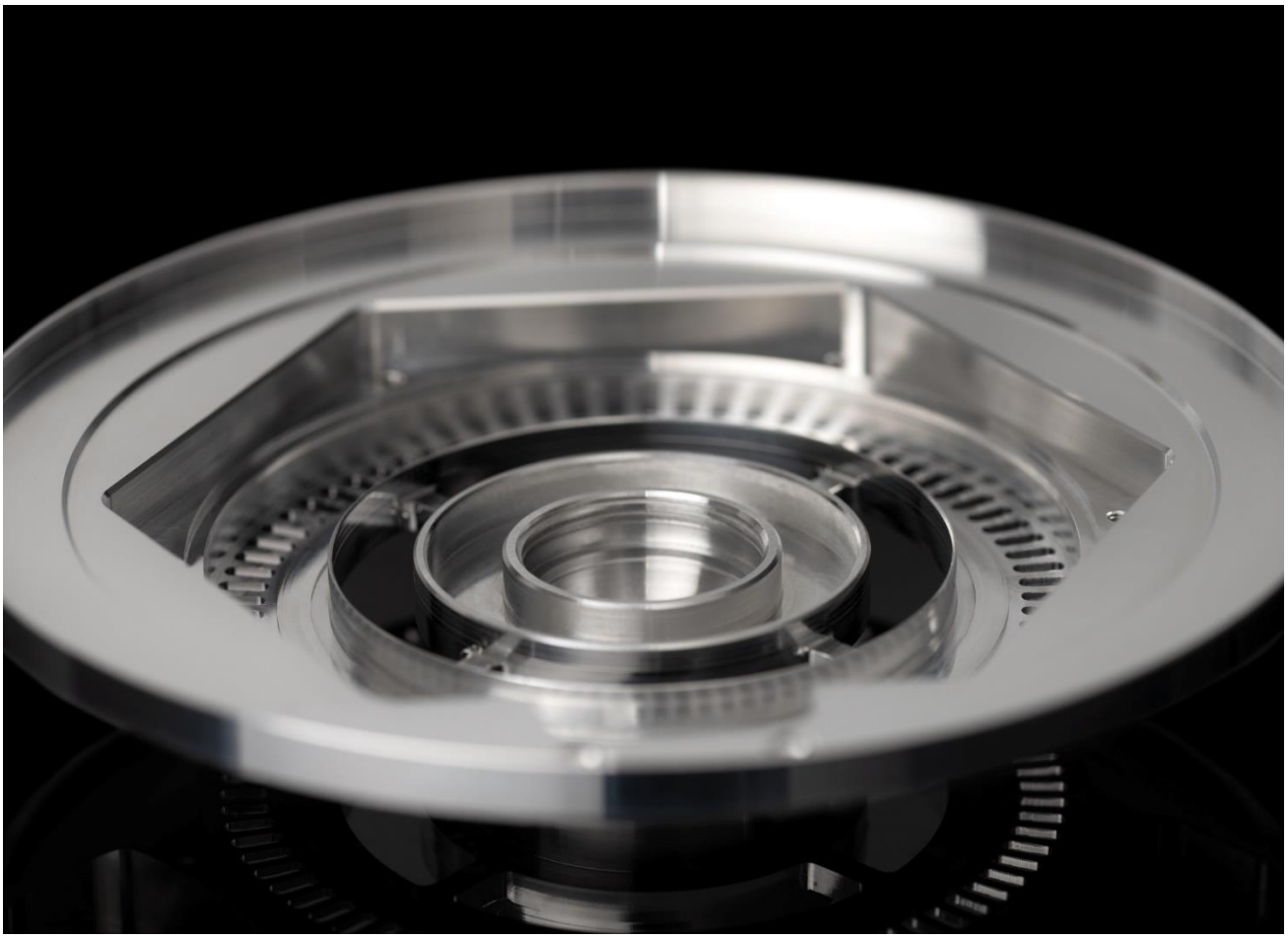
In traditional planar magnetic drivers, at low frequencies, the diaphragm’s large amplitude causes it to contact the structural elements, necessitating the need to raise the reproducible frequency of the low end. The previous model, D8000, overcame this issue using our unique "AFDS" technology, which controls the diaphragm's movement through the viscosity of air, allowing the low-frequency reproduction to be extended. This innovation solved the planar magnetic driver’s inherent problem of weak bass reproduction, effectively representing a reinvention of the planar magnetic driver.

In the D8000 DC Pro Edition, this "AFDS" has been further refined, and the hole diameter, pitch, and pattern of the punching metal used have all been redesigned. Moreover, different patterns of punching metal are used on the front and rear of the diaphragm. As a result, in combination with the breathable ear pads, we have achieved bass with fullness and an open sound. The ultra-lightweight diaphragm is shaped from extremely thin etched aluminum foil, eliminating the need for the dynamic driver’s characteristic structure where

the coil leads are attached to the diaphragm, thus reducing the moving mass by approximately one-third. By pursuing the fundamental principles of the design, we have achieved the delicate high-frequency reproduction that was previously unattainable.

Aluminum-Magnesium Alloy Machined Housing

To make "AFDS" possible, an exceptionally high level of precision is required compared to standard driver units. To prevent unnecessary resonance and to firmly support the driver, high rigidity is also necessary. Therefore, the housing is made of aluminum-magnesium alloy and is machined with extremely high precision. The finish is a leather coating, which is also used on high-end camera bodies.



Increased Front Opening Ratio Design

In the previous D8000, the magnet at the front caused subtle peaks and dips in the frequency response. By removing this magnet in the D8000 DC Pro Edition, the front opening ratio has been increased by approximately 70%, leading to a significant improvement in high-frequency reproduction. This allows for a more detailed and precise rendering of each note.

Newly Developed Open-Back Ear Pads Using Washi Paper

While closed-back headphones typically extend the low-frequency range by sealing the space around the ear, open-back headphones typically allow more natural low-frequency expression by avoiding excessive sealing. To express high-quality, naturally expansive low frequencies, the driver unit itself needs to have the ability to reproduce the low end, while using ear pads with lower sealing and excellent breathability.

Thanks to the "AFDS" technology in the D8000 DC Pro Edition, the low-frequency reproduction has been extended by the driver unit itself, making it possible to reproduce sufficient low-end frequencies even with low-sealing ear pads. The ear pads, which play a key role in sound quality, feature a specially developed fabric made from washi paper for a dry feel and durability, and a foam material that offers excellent breathability. Additionally, the thickness of the ear pads has been increased 1.5 times compared to previous models, increasing the acoustic space volume. This results in a wider soundstage and smoother

reproduction of vocal frequencies. Similarly, the headband has been constructed from the same materials, ensuring high durability and resistance to moisture.

Precision-Driven In-House Manufacturing

The D8000 DC Pro Edition is produced at our headquarters in Kawasaki. The precision of assembly is heavily influenced by the precision of the parts as well as the assembly tools (jigs). To allow fine adjustments during assembly, we have in-house designed and manufactured production jigs. Furthermore, we have developed custom equipment such as diaphragm molding machines and diaphragm tension meters.

To create truly exceptional products, we must be involved directly in the processing of the materials. The strength of "Made in Japan" comes from the ability to collaborate with material manufacturers, allowing us to control the entire process, from raw materials to assembly, ensuring high product quality.

Easy-to-Repair Design for Long-Term Use

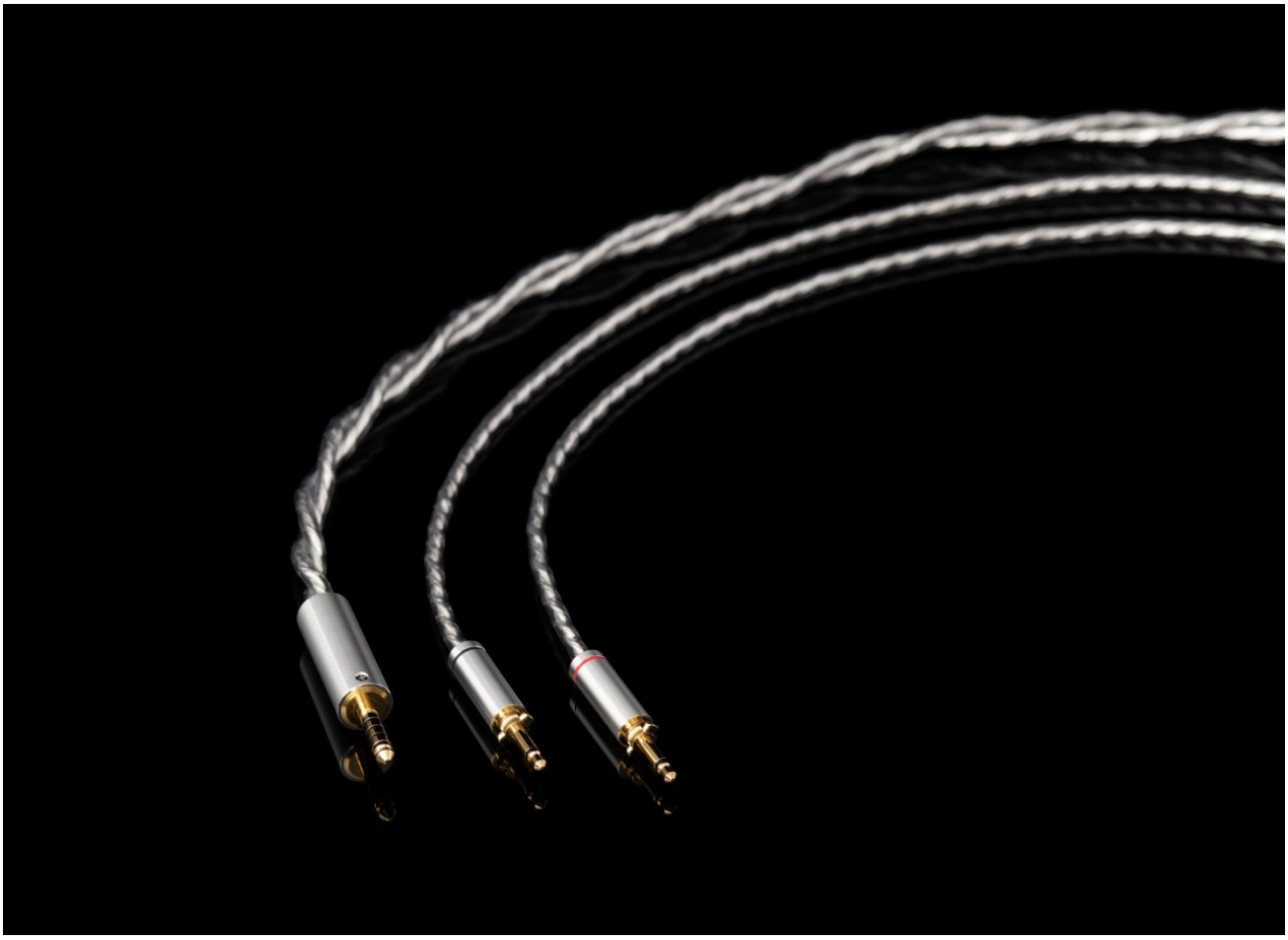
Designed with longevity in mind, almost all components can be disassembled with screws, enabling long-term repairs.

Two Detachable Cables Included

Two types of silver-coated cables are included: a 4.4mm/1.5m cable and an XLR/3m cable.

Silver-Coated Cable (4.4mm)
Cable Length: 1.5m
Input: 4.4mm, 5-pole
Output: 3.5mm, 2-pole (with locking mechanism)
Compatible Models: D8000 DC, D8000 DC Pro Edition, D8000, D8000 Pro Edition, SONOROUS VIII/VI/IV/III/II

Silver-Coated Cable (XLR)
Cable Length: 3m
Input: XLR, 4-pole
Output: 3.5mm, 2-pole (with locking mechanism)
Compatible Models: D8000 DC, D8000 DC Pro Edition, D8000, D8000 Pro Edition, SONOROUS VIII/VI/IV/III/II



Protective Case for Storage and Transport

The product comes with a convenient protective case for storage and transportation, and can be locked with a dedicated key.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Differences Between D8000 DC and D8000 DC Pro Edition

The "D8000 DC Pro Edition" maintains the delicate sound quality of the D8000 DC, but is adjusted to suit human hearing characteristics, where bass becomes more prominent as the listening volume increases. Choose the model that best matches your listening volume preferences.

SPECS

Casing: Aluminum-Magnesium Alloy
Driver: AFDS Planar Magnetic
Cable: OFC Cable
Sensitivity: 90dB/mW
Impedance: 50Ω
Weight: 431g
Cable Length: 4.4mm/1.5m, XLR/3m