

ATH-AWX7000

Audiophile Closed-back Dynamic Wooden Headphones



Overview

The ATH-AWX7000 represents the pinnacle of Audio-Technica wooden headphone craftsmanship, pairing the latest acoustic technology with traditional Japanese artistry.

The headphone housings are fashioned from prized Kiso cypress, used historically to construct Shinto shrines and Buddhist temples, and hand-finished with traditional Echizen lacquer to bring out the natural color and beauty of the wood's grain. Machined aluminum sliders are affixed to a lightweight magnesium frame to ensure precise size adjustments, and all the trim pieces—frame, arms, and sliders—are finished in the deep navy hue of kachi-iro, the lucky color of the samurai.

Inside these sublime housings we have incorporated innovative 58 mm drivers that combine our newly developed HMD (Hybrid Matrix Diaphragm) technology with the precise HXDT driver molding technology we introduced with our ATH-ADX7000 Open-Air headphones. By expanding the area that bonds the composite diaphragm's polymer film and metal dome, HMD technology enables the diaphragm to maintain its shape, even under great air pressure strain. This allows the ideally shaped, HXDT-molded diaphragm to vibrate as a single unit and harness the full power of the input signal's air spring. By driving the air with a precise, piston-like motion from the headphones' internal front chamber all the way to the listener's ears, these tandem technologies achieve a level of performance previously unattainable with other closed-back designs.

The flexible yet robust diaphragm remains stable even at mechanically demanding frequencies below the audible range. This gives the headphones a wide dynamic range with an expansive soundstage and strong, clear bass extension. The sound is warm and lush, immersing the listener in a deep, lively, well-layered musical expanse.

The ATH-AWX7000 comes with two detachable, 8-braid cables with A2DC (Audio Designed Detachable Coaxial) connectors that attach to the headphones: a 2.5 m (8.2') balanced cable with Neutrik 4-pin XLRM connectors and a 3.0 m (9.8') unbalanced cable with a 6.3 mm (1/4") gold-plated stereo plug. A sturdy, compact carrying case is also included.

/ HMD + HXDT Technologies

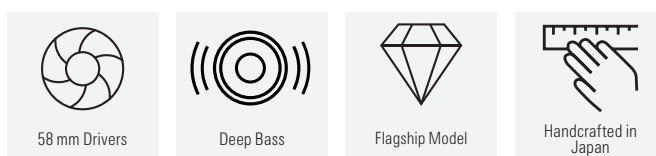
Unparalleled Driver Design

HMD (Hybrid Matrix Diaphragm) technology, developed for the ATH-AWX7000, expands the bonding area between the polymer film and the metal dome of the composite diaphragm to disperse stress generated at high-input levels. This enables the diaphragm to better maintain its shape. By combining HMD with the precision molding process of HXDT technology, introduced with our ATH-ADX7000 open-back headphones, we've created an ideally shaped diaphragm that vibrates as a single unit, thus significantly improving transient response and dynamics.

/ Flagship Closed-Back Headphones

Deep, Dynamic Bass

The headphones' flexible yet robust diaphragms respond faithfully to the sound source without being overwhelmed by air pressure. This allows the headphones to fully realize the wide dynamic range potential of closed-back headphones, with seemingly bottomless bass.



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Audiophile Closed-back Dynamic Wooden Headphones



/ Kiso Cypress & Echizen Lacquer Japanese Craftsmanship

The ATH-AWX7000's housings are fashioned from Kiso cypress, one of Japan's finest woods, renowned for its durability, appearance, fragrance, and history (the timber has been used to construct Shinto shrines and Buddhist temples). Echizen lacquer, which has a history stretching back more than 1,500 years, is hand-applied to the housings to bring out the natural beauty of the wood's grain. With time, the wood's color will darken, adding to the distinctive character of each pair of these exquisite headphones.

Features

- Audio-Technica's flagship closed-back headphones feature enhanced diaphragm construction that efficiently channels air pressure for distortion-free reproduction of the input signal
- Newly developed HMD (Hybrid Matrix Diaphragm) technology enables the composite diaphragm to maintain its shape and vibrate as a single unit, improving transient response and dynamics at all volume levels
- Innovative HXDT driver technology, introduced with the ATH-ADX7000 open-back headphones, uses a precision molding process to ensure the roundness of the diaphragm for highly detailed musical expression
- Driver design enables stable diaphragm movement even at frequencies below the audible range, resulting in deep, dynamic bass reproduction
- Non-oriented electrical steel sheet magnetic circuit minimizes energy loss while maximizing electrical conversion efficiency for enhanced sound purity
- Housings are crafted from prized Kiso cypress and hand-finished with traditional Echizen lacquer to bring out the natural color and beauty of the wood
- Lightweight magnesium frame and arms and machined aluminum sliders are all finished in deep navy kachi-iro, the lucky color of the samurai.
- Includes two detachable, 8-braid cables (with A2DC connectors at the headphones): a 2.5 m (8.2') balanced cable with Neutrik 4-pin XLRM connectors and a 3.0 m (9.8') unbalanced cable with 6.3 mm (1/4") gold-plated stereo plug
- Comes with a sturdy, compact carrying case
- Japanese craftsmanship: All Audio-Technica wooden headphones are manufactured in Tokyo

Specifications

Type	Closed-back dynamic
Driver	58 mm
Sensitivity	97 dB/mW
Frequency response	5 to 50,000 Hz
Maximum input power	1,000 mW
Impedance	48 ohms
Input jack	A2DC connector jack
Weight (without cable)	Approx. 353 g (12 oz)
Included accessories	• Cable (3.0 m (9.8')/6.3 mm (1/4") gold-plated stereo plug) • Balanced cable (2.5 m (8.2')/XLR-M connector (4-pin)) • Hard shell carry case • Cable pouch
Sold separately	• Cable • Balanced cable • Earpads
Weight	353 g
Gross Weight	2390 g
Dimensions	200 x 158 x 110 mm
Packaging Dimensions	18.4 x 34.9 x 26.6 cm
Country of Origin	Japan
Commodity Code	85183000

For product improvement, the product is subject to modification without notice.