



Diana/Diana Phi
USER MANUAL



Thank you for purchasing the Abyss Diana Headphone.

For maximum enjoyment please read these basic user instructions.

Things to keep in mind...

These headphones contain very powerful magnets that attract metals and may affect pacemakers or other medical devices. Keep them at least 8" (20 cm) apart from such items. Keep them away from any tools or machinery where metal particles may form. While the polymer ceramic finish is hard and durable, as with any fine surface the headphone can be scratched. When not in use they should be stored indoors in a safe place either on their stand or in their carry bag. They are not designed for children under 12 years of age. Any cable can be a strangulation hazard to small children and pets, keep your cables safely stored when not in use.

The slots inside the ear pads where sound is produced are open to the speaker inside. Do not poke or place anything in these slots as permanent damage may result. Do not attempt to clean the headphone using a vacuum cleaner or pressured air. Use a soft lint-free microfiber cloth slightly moistened with water to clean their outer surface or leathers.

There are no user serviceable parts inside of you headphones and really not much to see. It is **highly recommended not** to attempt to open them. They are factory assembled using precision torque screwdrivers and tuned for best sound quality.

Listening suggestions...

First and foremost, always protect your hearing by not listening to music excessively loud. **To avoid risk of noise related hearing loss, listening levels higher than 85 dB (similar to the noise level of heavy city traffic) have daily time limits that halve for every +5 dB in volume. Permanent hearing damage may result from prolonged exposure to loud music.** Always reduce volume when turning your equipment on or when connecting or disconnecting the headphone from electronics, then slowly raise the volume to your desired listening level.

The ear pads are magnetically held to the front slotted baffle. Attach by aligning the thickest portion of the ear pad with the corner where the cable is connected.

Your ABYSS headphones come complete with a custom high performance cable set by JPS Labs tuned for the high resolution capabilities of Diana, use these cables for proper tonal balance and clarity. Note that each molded plug end is labeled L and R, and each side of the headphone has L and R markings. To connect, orient the molded plug so the flat side faces the flat side of the opening in the bottom of the headphone. You must center the pin so it fits inside the small hole in the center of each opening, and aim the connector directly upward and into the mating slot. When properly inserted, the connector will sit flush and perfectly match the contour of Diana. **Do not force the connector**, it should enter smoothly with a final click feel. To remove, firmly grab the black molded body of the connector and pull straight out. Do not pull on the clear cable.

Unlike other headphones Diana fits loosely to your head for best sound and does not require a seal. While some are perfectly content with their ears in the center of the ear pads, you may wish to experiment with the position of your ears inside the pads. Piano, horns, drums, and various other instruments present themselves from slightly different acoustic perspectives as your ears move inside the ear pads.

Your Abyss Headphones are designed for maximum subtle detail retrieval and smooth natural sound, similar in performance to a very high-end two channel audio system. In as such, the quality of the equipment, cabling, and source material will dramatically affect results.

Music and Content...

Abyss Headphones are designed for high resolution music. Available detail and tonal balance are averaged over decades of listening experience. Contact your Abyss dealer for advice on fine-tuning your system for maximum enjoyment.

Diana Specifications:

Frequency Response: 7 Hz to 28 KHz

Impedance: 40 ohms nominal

Sensitivity: 91 dB/mW

Distortion: Less than 1%; Less than 0.2% through ears most sensitive range

Recommended power range: 0.5 to 2 watts @ 50 ohms

Weight: 330 grams

Diana Phi Specifications:

Frequency Response: 6 Hz to 26 KHz

Impedance: 32 ohms nominal

Sensitivity: 91 dB/mW

Distortion: Less than 1%; Less than 0.2% through ears most sensitive range

Recommended power range: 0.5 to 2 watts @ 32 ohms

Weight: 350 grams

Warranty...

Abyss Headphones are designed and built in the USA to a very high standard of quality.

Abyss Headphones warrants your new headphone set to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase from an authorized dealer or agent of Abyss Headphones. This is the Standard Warranty.

If purchased brand new, never used, current stock from an authorized Abyss Headphone agent, as an original owner you are eligible to apply for a three (3) year Extended Warranty by registering online on the Abyss-Headphones.com [Product Registration](#) page. In order to apply, you must register within 90 days of purchase date. It is recommended to apply for your Extended Warranty immediately after purchase. Application subject to approval. Dealer demo's or previously used products are not eligible for the extended warranty.

Proof of your Extended Warranty will be kept on record at Abyss Headphones and follows the serial number of the headphone. You must have the original Proof of Purchase from an authorized dealer or agent and be the person who registered for the extended warranty in order to claim any warranty status beyond the Standard Warranty. As the original Owner you may invoke a ONE TIME transfer of such upon sale of your Abyss Headphone to another by contacting Abyss Headphones directly.

An Abyss Headphone dealer or agent has no obligation to any warranty of a product they did not sell to you. Contact Abyss Headphones directly with any warranty issues if your purchase was not made with an authorized dealer.

The warranty covers only the cost to repair the headphone or included accessory. The warranty does not cover shipping, insurance, fees, duties, taxes, or loss or damage of any kind. Use of faulty or improper ancillary equipment, abuse or physical damage, is not covered under warranty. Repairs, tampering, or any modification to the headphone by an unauthorized person will void any warranty. More warranty information is available at Abyss-Headphones.com



Made in the USA by Abyss Headphones®, a division of JPS Labs LLC
Abyss-Headphones.com