

STAX APERIO series (audio perfectionist series)

APERIO Alpha I

MOVING COIL EAR SPEAKER



● You may be astonished that STAX makes some moving coil Headphones, but it is true and there are some reasons.

We started manufacturing Electrostatic Headphones called "Earspeakers" in 1960. Because the Electrostatic principle is the best way to avoid cone break-up and eliminate electro-magnetic distortion. Also the frequency response can be made flat easily and it is not so difficult to achieve low distortion. But the use of Electrostatic sound units requires a "high voltage" to drive the sound units and also require a Bias Voltage Supply. We prepared many Adaptors or Driver Amplifiers to drive the Earspeakers, perfectly, but we still received several requests for an Earspeaker which does not require an Adaptor or a Driver Amp.

We began to design of the APERIO Alpha series with these requests in mind and started from the magnetic circuitry design.

The first target was to "Eliminate the Eddycurrents" around the voice coil. This concept came from our experience of amplifier design and we found that "Eliminating the Eddycurrents" produces a more clear and more vivid sound.

Secondly, we reduced the break-up of the dome. To achieve that we researched several materials. At last, we decided to use a special Japanese made polyester film for the dome. We also included a radial rib, for the same purpose.

Thus the sound quality of the Alpha series became clean and transparent.

The Alpha I is a small and cute design good for portability, on the other hand, Alpha Pro has big Earpads to achieve a rich bass and is very comfortable to wear. We recommend to try Alpha series, and you will find the STAX philosophy in them.

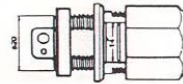
APERIO Alpha Pro

MOVING COIL EAR SPEAKER

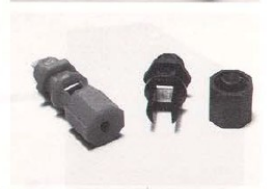
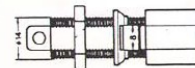


● **GBP-1 & GBP-2:** It is rather difficult to find good terminals for loud speaker cable, especially for high quality fat cables. STAX's GBP series are the ideal connector for such cables, because, it has Pure Oxygen Free Copper for the conductor and it is easy to tighten as it has a broad area of CONTACT. If you wish to use your loudspeaker or amplifier with ideal cables and to achieve a good contact, we strongly recommend to use our pure STAX ORIGINAL connector.

GBP-1



GBP-2



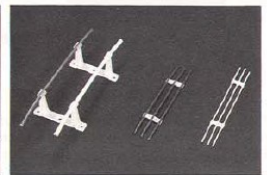
● **CABLE HOLDERS:** An Electric current runs or flows mainly in the conductor, but the electrical and magnetical field is not only inside the conductor, but also around the conductor. We researched the effect of the current around the cables and we came to the the following conclusions.

- 1: + side and - side must be separated, to avoid the cancelation of the current.
- 2: Any material around the cable has an effect on the original signal.
- 3: The material of the isolator is as important as the material of the conductor.

A Vacuum is ideal and Air is next. This is why we designed the CABLE HOLDERS.

CH-550 is for 5.0mm dia cable and it holds 2-cables with 50mm width and 39mm from the floor or wall. CH-125 and CH-75 holds 3-cables with a spacing of 11mm & 8mm respectively.

These cable holders make your Audio system and Visual system astonishingly clean and vivid. (We are using these cable holders in our products including SRM series.)



● **HPS-1:** This is a good value accessory for your Earspeakers. It holds any model of our Earspeaker in good conditions. It is high enough to avoid the cable bend which might damage the cable and it keeps the head-band flat. We recommend to use this Earspeaker Stand with the following Protection Sack.



● **Protection Sack** was designed to protect your Earspeakers from incoming dust. Electrostatic energy might gather the dust and it might make noise. We recommend to use this "Protection Sack" strongly



when you do not use your Earspeakers for a long period.

STAX[®]

HIGH DEFINITION MOVING COIL EARSPEAKER

model APERIO Alpha 1

スタックスのイヤースピーカーとして初めて MOVING COIL 方式を採用入れた APERIO Alpha 1 はこれまでの MOVING COIL 式には無い新しい材料を用い、渦電流の発生を抑え、歪を減少させております。軽く、自然な感覚で“音”を楽しむためにイヤークッション、ヘッドパッドも工夫され、楽しく音楽に浸っていただけます。

Since the first SR-1 Earspeaker was introduced in 1960, STAX has brought music lovers closer to the source of recorded music.

Now, with today's sophisticated portable audio/video electronics, the best way to enjoy *sound on the go* is with the STAX Alpha 1 Earspeaker.

Employing a moving coil type sound element, the Alpha 1 differs from other dynamic headphones in its suppression of magnetic eddy currents around the moving coil itself. The sonic benefit of this technology is deeper, richer bass and smoother, clearer high frequencies.

The Alpha 1 isn't just a great sounding headphone. It's extremely comfortable, yet rugged in design. So it allows you to enjoy music naturally.

APERIO Alpha 1 の規格

形式: オープンエアダイナミック型

インピーダンス: 48 Ω /400Hz

マグネット: ネオジミウム

周波数特性: 20 ~ 20kHz

出力音圧レベル: 106dB/1mW

定格入力: 0.1W

コード長: 2.5m

総重量: 180g (コードを含む)

プラグ: 3.5φ mm ステレオ・ミニ

付属品: 6.3φ mm 標準ジャック用
アダプター

Specifications

Type : Open-air dynamic

Impedance : 48Ω @400Hz

Magnet : Neodymium

Frequency response : 20 ~ 20kHz

Sound Pressure Level : 106dB/1mW

Rated input : 0.1W

Cord length : 2.5m (8.2 ft.)

Weight : 180g (6.4 oz) including cord

Connector : (3.5φ mm) stereo mini plug

Accessory included : Adapter for 1/4"
(6.3φ mm) headphone jack

* 改良のため 外観および規格は予告無く変更することがあります。

* For purposes of product improvement, specifications and appearance are subject to change without prior notice.

Made in Japan STAX INDUSTRIES LTD.