

STAX electrostatic panoramic-sound earspeakers

● Stax electrostatic earspeakers are widely used by the best recording studios and broadcast stations in the world. The simple reason for this is that these earspeakers deliver unsurpassed sound quality and the most accurate high fidelity reproduction possible.

The general advantages of headphones over speaker systems are:

1. The acoustic conditions of the listening room do not affect the sound.
2. The diaphragms do not have to move much air (there is little load) therefore they can be made lighter to improve transient response.
3. There is no danger of acoustic feedback (howling) to the turntable.

4. The diaphragms are very close to the ears so it is easy to pick up small musical details. The advantages of electrostatics over conventional headphones are:

1. The several micron thick high polymer film diaphragm is so light that it can respond accurately and instantaneously to the tiniest signal fluctuations.
2. There is no magnetic (hysteresis) distortion since no magnets or voice coils are used.
3. Electrostatic drive ensures uniform control over the entire diaphragm surface so there is no partial vibration or the cone breakup seen in dynamic type headphones.

● The SR- Σ (Sigma) is a completely new kind of earspeaker developed over a long four year period. Its innovative design lets you enjoy more natural ambience reproduction than is possible with simple headphones. The diaphragms are placed forward away from the ears, since this is where most of the sound would be coming from in a normal music listening environment. The outer ear is not pressed, so the entire ear interacts naturally with the sound. Furthermore, a carefully designed cavity is employed to produce resonance characteristics simulating those occurring in a hall or room. All this results in a panoramic sound field without the feeling one has with conventional headphones that the sound is centered within one's own head. The employment of comfortable lightweight materials and a biomechanically engineered headband also contributes to the nonfatiguing pleasure of listening to music with the SR- Σ .

SR- Σ



● The SR- Λ (Lambda) has such pleasing sound quality because its diaphragm is oblong, instead of round. This shape approximates the elliptical shape of the outer ear so that you use your entire ear to listen to the sound, just as you would in a natural listening situation. In fact, the diaphragm is actually larger than the average ear's dimensions to take full advantage of the outer ear's response characteristics. The result is fuller low range response along with the uncolored mid and high range response typical of electrostatic reproduction.

SR- Λ

