

STAX[®]
electrostatic audio products

SR-507
electrostatic car speaker

NEW

STAX

Newly developed high-rigidity sound element
enhances the freshness of sound.
New top model of the SR- Λ (Lambda) series.





Accumulated electrostatic technology over 50 years is now united with the latest materials !

In 1960 Stax succeeded in putting the world's first electrostatic earspeaker (headphone) on the market. And in 1979 we developed the first SR- Λ (Lambda), the original model of the present SR- Λ series. Since then, this outstanding system, adopting an elliptical sounding body (sound element) and driving uniformly the whole surface of the thin film diaphragm placed between the fixed electrodes in push-pull operation, has been continuously evolved. For the SR-507 we developed a new structure that increases the rigidity of the sound element and holds it strongly, and at the same time we adopted a new material for the diaphragm. The SR-507 has realized the extremely precise conversion of music signals as well as the elimination of the distortion caused through unwanted vibration, enabling you to enjoy lifelike music from a performance of the delicate solo musical instrument to a powerful full orchestra.

New diaphragm material which raises the resolution of sound.

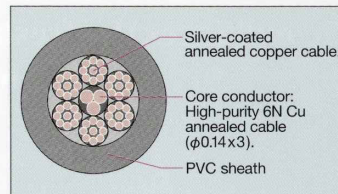
The thin film of super engineering plastics has been adopted for the diaphragm as a new material. Since an electrostatic type headphone can drive the whole diaphragm surface uniformly, the design concept that gives priority to the exact response to signals over rigidity was possible in its development. After having repeated the trial production and the audition of many diaphragms of different kind and thickness, we adopted the super engineering plastics to obtain high-grade sound suitable for the highest peak model of Λ (lambda) series featuring high-definition tone quality throughout the entire range from rich low-frequencies to delicate high frequencies, and further to secure the high stability against environmental changes of temperature, humidity, etc.

Sound element mounted in a tough resin case.

The new structure houses the sound element employing carefully selected thin film diaphragm in the high-rigidity resin case made of glass fiber mixing. This case is firmly fixed to the metal base of the housing, and only the diaphragm moves through music signals while the fixed electrodes are mechanically grounded firmly to the housing body. The new structure eliminates all vibration loss and enables you to enjoy unclouded clear sound from delicate minute volume to powerful large volume level.

Pure silver-coated 6N Cu hybrid cable.

While 6N high-purity annealed copper wires ($\phi 0.14 \times 3$) are employed for the core cable, six silver-plated annealed copper wires ($\phi 0.08 \times 9$) are set on the perimeter to improve the transmission characteristic. The hybrid structure also refines the tone quality balance over the entire frequency range. Moreover, the parallel-arranged flat cable structure reduces the capacitance between cables to suppress loss and to secure wide-range transmission.



New style dual arc with newly developed 10-step adjustment mechanism.

The new dual type arc assembly added more flexibility, and the wear comfort has been improved through its softer pressure to the ear. Also, the newly developed STAX first 10-click slider mechanism allows optimum head-pad height adjustment. Once adjusted, the slider always maintains its optimal position.

Comfortable wear feeling through real sheep's leather ear pad.

The real leather (sheepskin) with its natural pleasant touch, featuring great flexibility and breath-ability, has been adopted for the ear pad. Along with the new style dual arc, the superior wear comfort of the SR-507 lets you enjoy music for a long time without spoiling the excellent tone quality of the new sound element.

Recommended driver units for maximum performance of the SR-507.

In order to bring out the best tone quality and the maximum performance of the SR-507, we recommend using one of the SRM-600LIMITED, SRM-007t, SRM-727 and SRM-006t driver unit series. These driver units feature a balanced circuit configuration equipped with XLR input terminals, and can perform unprecedented full-balanced sound conversion from input down to sound element drive.

SR-507

electrostatic earspeaker

- Type: push-pull electrostatic, open-air type enclosure ●Frequency response: 7-41,000Hz
- Electrostatic capacitance: 110pF (including attached code) ●Impedance: 145k Ω (including attached cable, at 10kHz)
- Sound pressure sensitivity: 101dB/input 100Vr.m.s./1kHz ●Maximum sound pressure level: 118dB/400Hz ●Bias voltage: 580V DC (standard)
- Right/left channel indication: 'L' and 'R' indicated on the arc assembly (inside head spring), solid line (left) and dotted line (right) on cable
- Ear pad: real sheep's leather (skin-touching portion), high-class artificial leather (surrounding portion)
- Cable: parallel 6-strand, 2.5m full length, low-capacity special wide cable, 6N (99.9999%) OFC with silver coating
- Weight: 533g (including attached cable), 388g (without cable)

*Specifications and appearance are subject to change without notice for improvement.