

SR-009s

Top-of-the-line electrostatic earspeaker

Owner's Manual

STAX®

INTRODUCTION

Thank you very much for purchasing STAX high-end earspeaker SR-009S.

The SR-009S is the further refined model based on the fixed electrode developed for SR-009 series.

FEATURES

Sound element with new fixed electrodes;

If the fixed electrode becomes infinitely thinner, the air resistance will be decreased and the permeability of sound waves will be improved. On the other hand, thinner electrodes are poor in rigidity and suffer from vibrations of their own and the sound becomes muddy. The SR-009S evolved further the electrode established in the SR-009 as the integration of present technology. The edges of electrode hole were smoothed through after-etching processing to reduce air resistance, and the permeability of sound has been much more improved. Moreover, gold plating processing with large specific gravity further decreased the electrode vibration. Finally, the sound clarity has been achieved by reducing the resistance of electrode itself.

Sound element with new diaphragm material;

The ultra-thin film diaphragm made of super engineering plastics has been employed for the SR-009S to improve the compliance characteristics of sound over the entire frequency region from low to high.

You can now enjoy the good-sounding tone with good bass response.

Genuine leather ear pad;

The adoption of the Genuine leather (sheep skin) mainly aims at the good breathability of Genuine leather as well as the improvement of wearing comfort on the head due to its pliability, but it also greatly contributes to the improvement in the "freshness of sound" and "grace of sound." (The wrinkle or gloss condition of Genuine leather, unlike artificial leather, differs from each other depending on the used part. For this reason, please feel easy even if the surface of right and left ear pad looks a little differently.)

Wide, low-capacity 6N hybrid cable;

6N Cu high-purity annealed copper wires (0.14x3) of high general evaluation are employed for the center cable, and six silver-plated annealed copper wires (0.08x9) are arranged at its perimeter.

The whole structure of the cable features the conventional wide parallel type to reduce the capacitance between each line. This further improved the "freshness of sound".

New style arc assembly;

The new style arc assembly (head band) features the slider portion equipped with 10-step click mechanism for height adjustment of the head pad. This enabled the optimal wear comfort for almost all people. Moreover, the adjusted optimal position is maintained making it unnecessary to re-adjust it when you use your earspeaker next time.

The new mechanism softens the side pressure to the ear and enables you to enjoy long hours of comfortable listening to music. Also the adopted dual arc spring system Genuineized both the rigidity and flexibility at the same time.

Enclosure;

Tough solid aluminum chassis employed secures firmly the sound element, contributing to improve the clearness of sound. Furthermore, the case thickness has been reduced to the limit, making the flow of condensation-and-rarefaction air wave from the sound element more smooth.

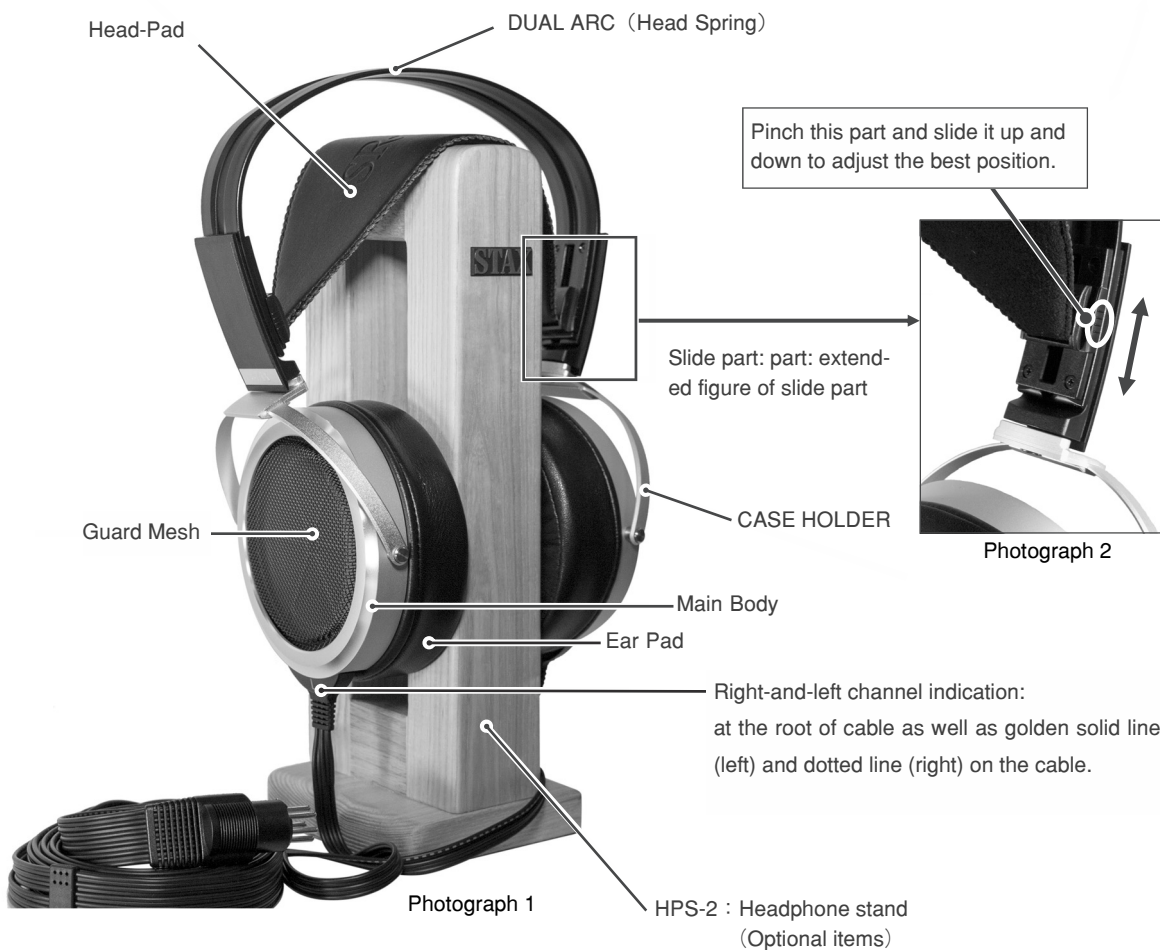
Intensity has been increased by giving roundness to the "guard mesh" of sound element, which lowered the influence of reflection and improved the resolution of sound.

HOW TO USE

- The SR-009S is an electrostatic type earspeaker that operates on the STAX PRO series bias (DC580V). Please connect its plug to the 5-pin socket of an exclusive driver unit.
- Insert firmly the cable plug of the SR-009S with the convex mark upside into the 5-pin socket. And when pulling out the plug, please be sure to hold the plug and draw it straight out. Drawing it out aslant may damage the socket.
- The left/right channel indication of the SR-009S is found on the arc assembly and at the root of cable. Also the golden solid line on the cable indicates left channel and the right channel cable has dotted line. (photograph 1)
- How to adjust the head-pad height; the wearing height of the SR-009S head pad can be adjusted by moving the sliders (10 steps) at the right and left sides of the head pad to fit the form of your head (face). (photograph 2)
- Be sure to hold the earspeaker body with both hands when you wear or put off your earspeaker.

NAME OF EACH PART

Serial-number sticker: inside the right side of the dual arc



RECOMMENDED DRIVER UNITS

SRM-T8000



- High power solid-state output with low-noise dual triode tube for first stage.
- Direct connection bypassing volume control is possible.
- Input level; 100mV (RCA / at 100V output)
Wide-range, high-power exclusive amplifier for earspeakers.
Direct connection enables volume control using your favorite attenuator or preamplifier.
- Optional slot for future usage is provided.

SRM-007tII



- Vacuum tube output stage with 3-input selector function (RCA input x 2, XLR input x 1)
- Input level 200mV (RCA / at 100V output)
Carefully selected tubes are adopted to Genuineize rich low/mid-range with brilliant highs.
Two or more source equipments are directly switchable.

SRM-727II



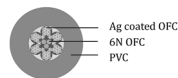
- High power non-NFB solid-state output stage (RCA / XLR inputs switchable)
- Direct connection bypassing the volume control is possible.
- Input level; 200mV (RCA / at 100V output)
Wide-range, high-power exclusive amplifier for earspeakers.
Direct connection enables volume control using your favorite attenuator or pre-amplifier.

※Built for STAX Earspeaker use only.

◆Usable with all driver units equipped with STAX 5-pin PRO bias

ACCESSORIES

- Two kinds of convenient extended codes of first-class quality are available for listening to your earspeaker at a distant place from driver unit or adaptor.
 - SRE-950S (5m wide low-capacitance 6N silver-coated)
 - SRE-925S (2.5m wide low-capacitance 6N silver-coated)
- *The extended codes are only for 5-pin plugs.



- While not in use, your earspeaker can be hung onto the HPS-2 earspeaker stand and will be kept in good condition without damage for a long period of time.
- Also the CPC-1 protection sack is available to protect your earspeaker from external dust.

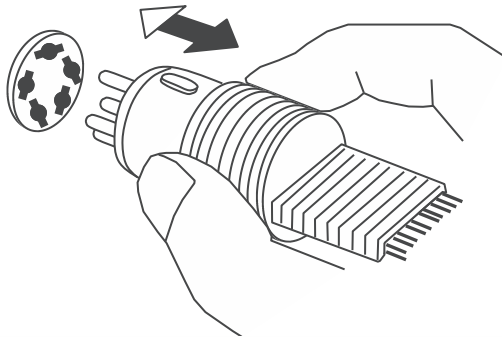


CAUTIONS ON USE



Please pay attention to the followings to use the SR-009S safely over a long period of time.

- Avoid using earspeaker in a high-temperature and humid place.
 - The low distortion of the earspeaker may tempt you to raise volume level, but be careful not to feed an excessive power. Turn down the volume, when sound is distorted.
 - The diaphragm is made of ultra-thin film. Be careful not to give mechanical shock from outside.
 - The SR-009S consists of precision parts. Never try to disassemble it. Note that the failure caused by disassembly is not warrantable.
 - Wipe off the dirt from earspeaker body with gauze containing lightly thin soapsuds or thin neutral detergent. Never use strong solvents such as thinner or benzene.
 - When troubled by sweat, you will feel better if several sheets of gauze are applied on the earpad.
 - The SR-009S employs elastic, 6-strand parallel cable. Do not pull or bend the cable excessively, and be sure to hold the plug when inserting or pulling out the cable.
 - Be sure to hold the earspeaker body with both hands when you wear or put off your earspeaker.
 - To clean the Genuine leather earpad, wipe it off lightly using soft cloth slightly absorbing thinner commercially available neutral detergent in lukewarm water.
 - Please dry your SR-009S enough after use and hang it on a stand etc. with a cover for dust protection.
- For long-term preservation of SR-009S, please store it in the attached box made of paulownia after making it dry.



- **Be sure to hold the earspeaker body with both hands when you wear or put off your earspeaker.**

Caution !

This product is a precision apparatus and should be treated as carefully as possible.

Due to the airtightness of the earpad, the internal air pressure sometimes differs from external atmosphere causing the film diaphragm to touch the fixed electrode resulting in crackly noise.

The noise is heard especially when the earspeaker is pushed strongly when wearing or putting it off, but this is not a failure and does not influence the earspeaker performance.

If it is pressed too frequently, ultrathin diaphragm membrane may be torn. Please be careful.

SPECIFICATIONS

- Type: push-pull electrostatic large circular sound element, open-air type enclosure
- Frequency response: 5 - 42,000Hz
- Electrostatic capacitance: 110pF (including cable)
- Impedance: 145k Ω (including cable, at 10kHz)
- Sound pressure sensitivity: 101dB / input 100Vr.m.s. / 1kHz
- Maximum sound pressure level: 118dB / 400Hz
- Bias voltage: DC580V
- Right/left channel indication: golden solid line (left) and dotted line (right) on the cable
- Earpad: Genuine leather (skin touching portion), high-quality artificial leather (surrounding portion)
- Cable: silver-coated 6N (99.9999%) OFC parallel 6-strand, low-capacity special wide cable, 2.5m full length
- Weight: 583g (including cable), 441g (without cable)

※Built for STAX Driver Unit use only.

※Specifications and appearance are subject to change for improvement.

- The attached exclusive storage box for SR-009S has adopted "paulownia" for the following reason;
Paulownia first of all is lightweight and has the insect-proof and antiseptic effect as well as its outstanding humidity regulation. Moreover, its excellent features in fire retardant and low heat conduction assure the safe storage of SR-009S over many years.
- The humidity regulation means that light and soft materials like paulownia have the capability to absorb and emit humidity responding to humidity change showing the advantage that there is little change of humidity in a box.
- Before you keep your earspeaker in the exclusive storage box, please dry the earpad and headpad in order not to get moldy.

About "warranty guidelines"

- In case you send your earspeaker for repair, please be sure to attach a memorandum specifying the model name of your driver unit or adaptor.
- Keep in mind that without the memorandum warranty becomes invalid in spite of the warranty period.
- Keep warranty card after carefully read. (Warranty card cannot be issued again)
- Since earpad and headpad touch the skin directly, they are an article of consumption and do not cover warranty. It is recommended to exchange them periodically, when they become dirty or hardened showing the signs of deterioration.
- Note that the repair will be charged without presentation of a proper warranty card.
- Warranty may be invalid for failures using drivers or adapters other than our products.
- For warranty provision, please check with the dealer you purchased.

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Printed in Japan 18-04-1K MP ©STAX

PN:083920004