

SR-Lambda series

electrostatic earspeakers

SR-407

(Signature)

SR-307

(Classic)

SR-207

(Basic)

User's Manual

Thank you very much for purchasing STAX earspeaker.

Prior to use

The earspeaker is an electrostatic type headphone. Please read this user's manual carefully in order to use the unit safely and to bring out its maximum performance for many years of listening pleasure. Please be sure to keep this manual along with the warranty card after reading.

50

580V

2

About electrostatic earspeaker

This product is an electrostatic earspeaker developed by STAX, the world's first manufacturer of an electrostatic headphone, with the newest technology taking advantage of the abundant experiences over 50 years or more. The earspeaker is the system that uses neither a magnet nor any coil unlike a general headphone, but makes sound using the power of static electricity. While the direct-current voltage of 580V (bias voltage) is applied to the thin film diaphragm, musical signals are provided to the two fixed electrodes sandwiching the ultra-thin film. The film then is driven back and forth by the generated electrostatic force to make sound in a contactless way. For this reason your earspeaker cannot be connected directly to a usual headphone jack. Please use the exclusive amplifier (driver unit) to drive your earspeaker.

STAX®

1 ご使用方法

1 How to use

The earspeaker cannot be connected directly to a general headphone jack. Please prepare an exclusive driver unit. Also please refer to the instruction manual of the product to be connected.

Turn down the volume of the driver unit, and insert the code plug of your earspeaker straight and fully into the socket with its convex mark upward. Be sure to hold the plug in a straight line when you insert or pull out the cord. (Inserting or pulling the plug aslant might damage the socket of your driver unit.)

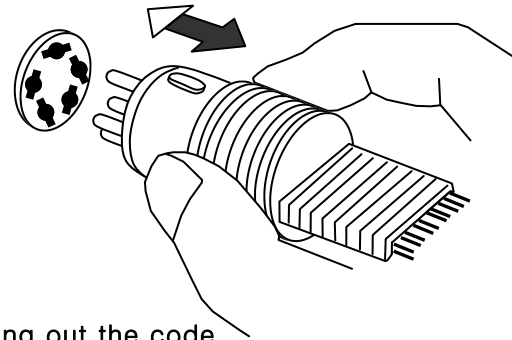
Please be sure to hold the whole earspeaker with both hands when you wear or detach it.

The wearing height can be adjusted by moving the slider at right-and-left side of the head pad.



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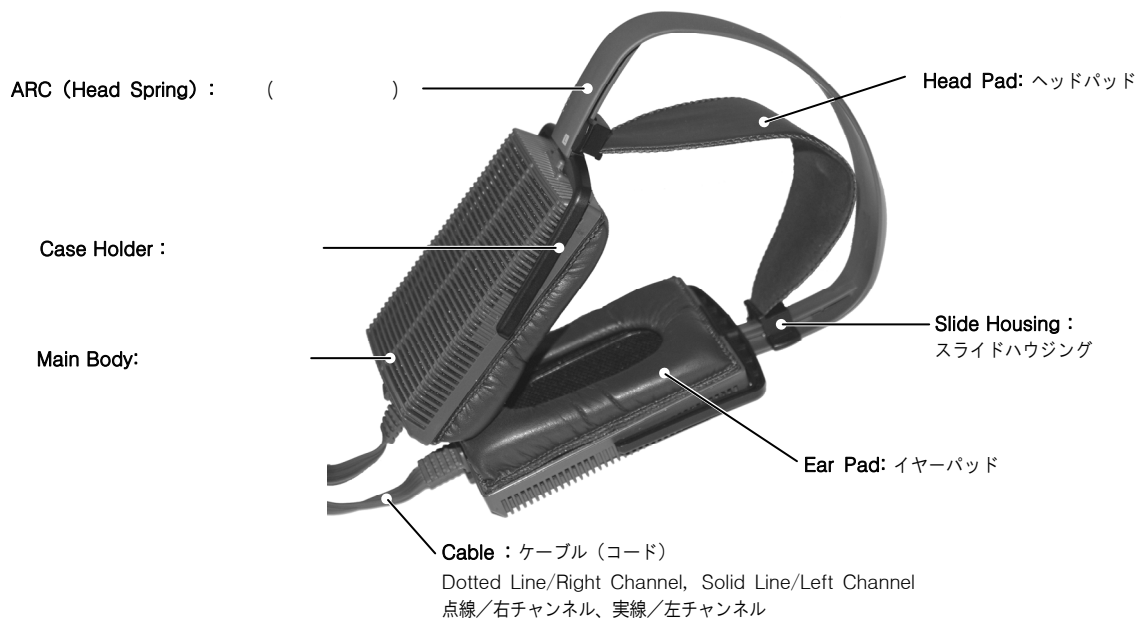
Be sure to hold the plug when inserting or pulling out the code.



2 各部の名称

2 The part name of earspeaker

ARC assembly: the general term of the assembly supporting the right-and-left earspeaker main part except signal cables.



3 使用上のご注意

PRO	580V/DC	NORMAL		
230V/DC				
SR-Lambda				
PRO	580V/DC			
1960		SR-1		
NORMAL		230V/DC		
6	NORMAL		5	PRO
	5		"	PRO ONLY"
5				
6	NORMAL			

SR-Lambda

3 Precaution for use

About PRO bias (580 V/DC) and NORMAL bias (230 V/DC):

The SR-Lambda series are designed to use the PRO bias (580 V/DC) like other current STAX earspeakers. On the other hand, old earspeakers like the SR-1 released in 1960 are specified to use the NORMAL bias (230 V/DC). The bias voltage needed for the earspeaker is distinguishable by the number of pins at the tip portion (plug) of the code. If the plug has 6 pins, the earspeaker is designed for NORMAL bias, and if 5 pins, it is designed to use PRO bias. Since the current earspeakers have 5 pins, insert the plug into the "PRO ONLY" connector with 5 holes. When inserted into the NORMAL bias connector with 6 holes, the volume level gets lower and the sound becomes softer. Keep in mind that the earspeaker will be damaged or the output signals of the driver unit will be distorted when the volume is raised too much with NORMAL bias.

- Do not remove screws, or do not attempt disassembly or modification. If disassembled or modified, the warranty of this product becomes invalid in spite of its warranty term. Please contact your dealer or our company service division for repair or for internal check.

- The earspeaker employs ultra-thin plastic film diaphragm, and it operates with static electricity. Avoid using it in a high-temperature and extremely humid place. Especially when your hair has got wet e.g. after bathing, dry it well before using your earspeaker. Wet hair may cause failure of your earspeaker.

- Insert or pull out the cord by holding the plug to avoid adding excessive force to the code.

- The SR-Lambda series employs elastic, low-capacitance special wide cable, so enough care should be taken in handling it. When storing your earspeaker, do not bend the cable excessively at the plug/cable boundary or at its joint to the earspeaker housing. Otherwise, it may lead to a trouble such as disconnection.

- A sudden shock to the earspeaker through throwing or dropping would give a bad influence on the internal sound-ing unit. Always handle your earspeaker carefully.

- Too loud sound is not good for your ear. The low distortion of the earspeaker may tempt you to raise volume level, but large volume level is detrimental both to your ear and to your earspeaker. The earspeaker is designed so that the detail of sound can be heard well even at a moderate volume level. Be sure to avoid listening in a too loud volume level.

- Wipe off the dirt of the ear-speaker main part and ear pads with gauze containing thin soapsuds or neutral detergent.

4

SRE-750 5m 2 PC-OCC
 SRE-725 2.5m PC-OCC
 5

HPS-2

CPC-1



SRE-750 / SRE-725



HPS-2



CPC-1

4 Accessory

●Two kinds of convenient extended codes are available for listening to your earspeaker at a distant place.

- SRE-750 (5m wide low-capacitance PC-OCC)
 - SRE-725 (2.5m wide low-capacitance PC-OCC)
- The extended codes are only for 5 pin plugs.

●Since ear pad touches the skin directly, it is an article of consumption. It deteriorates through everyday use and long-term preservation. Please exchange your ear pads, if there are signs of deterioration.

●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.

5

SACD/CD/DVD
 REC OUT

5 Recommended driver unit

The STAX exclusive driver unit for earspeaker is equipped with line inputs connecting to a SACD/CD/DVD player or to the REC OUT terminal of an integrated amplifier.

• Solid state version: Class-A, DC coupling	• Vacuum tube output version: Input terminal × 3 (RCA -2, XLR-1)
 <p>SRM-323 series Input terminal RCA</p>	 <p>SRM-006t series Hybrid, Class-A, DC coupling Output tubes (6FQ7/6CG7) :x 2</p>
 <p>SRM-727 series High power Direct Input mode Input terminal RCA or XLR</p>	 <p>SRM-600LIMITED Hybrid Class-A, DC coupling Output tubes ECC99 :x 2</p>  <p>SRM-007t series Hybrid Class-A, DC coupling Output tubes (6FQ7/6CG7) :x 4</p>

6



6 Trouble-Shooting

●Crackly noise heard from your earspeaker may indicate that the film diaphragm touches the fixed electrodes. Sometimes the noise goes away after a while, so wait and see for some time.

●In case the right-and-left volume of your earspeaker seems to be imbalanced (generally the unbalance of right-and-left channel level is more perceivable with a headphone than with a loudspeaker), the signals inputted into the driver unit may be imbalanced at right-and-left channels.

Check the balance adjustment of your driver unit. Also, if the same channel is still imbalanced after having exchanged the right and left input signal, the unbalance seems to be caused by the earspeaker driver unit itself.

Caution! If the sound element is strongly pushed by hand from the ear-pad side (onto the dust-protection net), the internal electrode is transformed and the sound element may be damaged. Never push the sound element.

STAX



FAX
049- 258- 2660
FAX 049- 258- 2659
9:00- 12:00, 12:45- 17:30
www.stax.co.jp

About repair service

The repair and inquiry from overseas are not accepted. Please contact the STAX distributor or dealer in your country.

www.stax.co.jp/Export/Overseas.html

7

:
:7- 41,000Hz
:110pF
:145k Ω 10kHz
:101dB/100Vr.m.s. /1KHz
:118dB/400Hz
: 580V DC
: L,R
: SR- 307 SR- 407
: 6 2.5m SR- 404
OFC; SR- 207 (Basic)
PC- OCC; SR- 307 (Classic)
PC- OCC; SR- 407 (Signature)
: 485g: SR- 207,SR- 307
510g: SR- 407
375g:

8

- | | |
|--------------|-----------|
| 1. Signature | EP- 234BR |
| 2. Classic | EP- 234GR |
| 3. Basic | EP- 234BL |

STAX[®]
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STAX LIMITED

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7 Specifications

- Type: push-pull electrostatic, oval sound element, open-air back type enclosure (case)
- Frequency response: 7 – 41,000 Hz
- 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, solid line (left) and dotted line (right) on cable
- Ear pad: High quality synthetic leather
- Code: parallel 6-strand, 2.5m full length, low-capacity special wide cable (SR-407 only)
- Weight: 485g: SR-207,SR-307
510g: SR-407
375g (without cable)

*Specifications and appearance are subject to change for improvement.

8 How to exchange ear pad

First remove the old ear pad. Then rub off the dregs of the old double-sided tape remaining by using alcohol-dipped gauze before you finally stick a new ear pad.

The ear pad distinguishes right from left. Once stuck, the ear pad is impossible to be re-stuck, so you have to be careful enough about the direction of the ear pad.

Please refer to the exchange instruction of the ear pad.

Caution:

Never use solvents such as benzene or thinner for cleaning. They may transform or melt the earspeaker housing.

●Also available are replacement Earpads for the SR-Lambda series earspeakers.

1. For Signature series: Brown (EP-234BR)
2. For Classic series: Gray (EP-234GR)
3. For Basic series: Black (EP-234BL)

354-0046
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7-1

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