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Stax SR-L300

Stax SR-L300 Headphone Ear Speaker User Manual

Model: SR-L300

Introduction

The Stax SR-L300 is an electrostatic headphone ear speaker designed for audiophiles and critical listeners. Utilizing advanced electrostatic driver technology, it delivers exceptional sound clarity and detail. This manual provides essential information for the proper setup, operation, and maintenance of your SR-L300 ear speakers to ensure optimal performance and longevity.



Figure 1: Stax SR-L300 Headphone Ear Speaker

What's in the Box

Upon unboxing your Stax SR-L300, you should find the following items:

- Stax SR-L300 Headphone Ear Speaker
- Owner's Manual
- Integrated 8-foot OFC parallel 6-strand cable with a 5-pin Pro connector

Note: The Stax SR-L300 requires a dedicated electrostatic energizer (amplifier) for operation, which is sold

separately and not included in the box.

Setup Instructions

The Stax SR-L300 ear speakers are designed to be used with a compatible electrostatic energizer. Follow these steps for proper setup:

1. **Connect to Energizer:** Locate the 5-pin Pro connector on the integrated cable of your SR-L300. Carefully align and insert this connector into the corresponding 5-pin Pro input on your electrostatic energizer. Ensure a secure connection.
2. **Power On Energizer:** Turn on your electrostatic energizer according to its specific instructions.
3. **Source Connection:** Connect your audio source (e.g., media player, DAC) to your electrostatic energizer as per the energizer's manual.
4. **Volume Adjustment:** Start with the volume control on your energizer set to its lowest level before playing any audio.

Caution: Electrostatic headphones operate at high voltages. Always handle the ear speakers and their connections with care. Never attempt to disassemble the ear speakers or energizer unless you are a qualified technician.

Operating Instructions

Once your Stax SR-L300 is properly set up with an energizer, you can begin your listening experience:

- **Wearing the Ear Speakers:** Gently place the ear speakers over your ears, ensuring the earcups fully enclose them. Adjust the headband for a comfortable and secure fit. The SR-L300 features an adjustable strap headband for optimal positioning.
- **Volume Control:** Adjust the listening volume using the volume control on your connected electrostatic energizer. Do not attempt to adjust volume directly on the ear speakers as they do not have integrated controls.
- **Listening Environment:** The SR-L300 features an open-back design, which provides a natural and spacious soundstage. However, this also means they offer minimal passive noise isolation and will leak sound. For the best listening experience, use these ear speakers in a quiet, isolated environment.
- **Break-in Period:** Like many high-fidelity audio components, the SR-L300 may benefit from a break-in period. Initial sound characteristics may subtly change over the first few hours of use.

Maintenance and Care

To maintain the performance and appearance of your Stax SR-L300 ear speakers, follow these care guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior surfaces of the ear speakers. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic components and faux leather earpads.
- **Handling:** The SR-L300 is a precision apparatus. Treat it with care. **Never try to push the sound element** (the diaphragm) from the ear-pad side, as this can cause irreversible damage. Avoid dropping or subjecting the ear speakers to strong impacts.
- **Cable Care:** The 8-foot cable is permanently attached. Avoid excessive bending, twisting, or pulling on the cable, especially near the connection points to the ear speakers and the energizer, to prevent internal wire damage.

- **Storage:** When not in use, store the ear speakers in a clean, dry place away from direct sunlight, extreme temperatures, and high humidity.

Troubleshooting

If you encounter any issues with your Stax SR-L300, refer to the following common troubleshooting tips:

- **No Sound:**
  - Ensure the 5-pin Pro connector is fully and securely inserted into the energizer.
  - Verify that your electrostatic energizer is powered on and functioning correctly.
  - Check the connection between your audio source and the energizer.
  - Confirm the volume on your energizer is not set to minimum or muted.
- **Distorted Sound:**
  - Reduce the volume level on your energizer.
  - Check for any loose connections between the ear speakers, energizer, and audio source.
  - Ensure your audio source is providing a clean signal.
- **Uncomfortable Fit:**
  - Adjust the headband strap to find a comfortable position on your head.
  - Ensure the earcups are properly positioned over your ears.

If the issue persists after trying these steps, please contact Stax customer support or an authorized service center.

Specifications

Feature	Specification
Brand	Stax
Model Number	SR-L300
Color	Black
Ear Placement	Open Ear
Form Factor	Over Ear
Audio Driver Type	Electrostatic Driver
Reproduction Frequency Band	7 ~ 41000Hz
Capacitance	110pF (including cable)
Impedance	145kΩ (including annex at 10kHz)
Sound Pressure Sensitivity	101dB / 100Vr.m.s input / 1KHz
Connectivity Technology	Wired (5-Pin Pro connector)
Cable Length	8 feet

Material (Earpads)	Faux Leather
Additional Features	Lightweight

Warranty and Support

Stax products are manufactured to the highest quality standards. For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with your product or visit the official Stax website. Keep your proof of purchase for warranty claims.

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