

SRM-323II

driver unit for electrostatic speakers

Provisional information -- Ver. 2

The goddess lurks in a minute signal.

Drawing forth the latent performance of devices to achieve the ultimate in sound quality is one of the pleasures experienced by audiophiles. The attraction of high-end devices in particular perhaps lies in the scale of the expectations that they hold in store. For example, an important topic is the reproduction of three-dimensional information that recreates the breadth and height of space. The task is how to recreate in a full and detailed manner the complete tonal expanse and sound that escapes upwards. Because this information is extremely subtle and detailed, there is a need for a particularly light and high-speed diaphragm. A large output amplifier with a large-diameter woofer and a large power section might also be imagined for the reproduction of deep and low sounds. The electrostatic audio pursued by STAX employs an almost ideal method of reproduction involving the total full-range drive by means of static electricity voltage changes using a high-polymer film diaphragm only a few microns thick that realizes the ultimate in lightness. Subtle changes in the music are converted into air vibrations with no loss and no addition of distortion. It takes over the features of a reference monitor device during recording and disc production. Containing a large, high-speed, large-capacity power transformer, it depicts the texture and tone of musical instruments in a powerful manner and has the capacity to recreate passages of low sounds dynamically without falling into heaviness. Through the use of a simple new circuit configuration and high sound quality parts considerate to the environment, the STAX electrostatic speaker drive unit SRM-323II achieves an even more natural spatial reproduction capacity. The sound quality is indisputably at the top end of the present.

■ Features

- Upgrade the capacity of power transformer. An enormous expansion in dynamic range has been achieved by increasing speed and dynamic range.
- An emitter follower is used at the output stage to achieve low impedance.
A major expansion of dynamic range in the upper register has been achieved.
- A high sound quality, low noise FET is used at the input stage, forming a simple two-stage amplification circuit. A natural, pure sound quality with a large quantity of information has been realized.
- In the case of the electrostatic type, the structure itself is balance operated. A balance circuit is formed up to the moment of conversion into air vibrations. This is the only system that makes it possible to enjoy the sound that characterizes the balance system.
- Solid state DC amplifier configuration not using a coupling condenser.
- Amplification is set at a low level, thereby making it easier to make subtle adjustment in volume when using a high-output CD player, etc.
- Volume is the only control function, and there is no input selector. This is a configuration with the emphasis on purity.
- In order to avoid magnetic distortion, the chassis is made of aluminum, thereby contributing to purity of sound.
- Parts are used with consideration given to sound quality, performance and the environment.
- The unit is fitted with parallel out terminals that allow the signals to pass through unchanged.
- Earspeakers of the PRO bias (5-pin) type can be used.
- A new panel face has been designed with rounded corners and a silver hairline finish.

■ Specifications

- Frequency properties: DC-60 KHz / SR-303, when using 1 unit
- Rated input level: 200 mV / 100 V Outputs
- Maximum input level: 30 V r.m.s. / at Minimum volume (Variable mode)
- Amplification: 54 dB (x 500)
- Total harmonic distortion: Less than 0.01% (1 KHz/ 100 V r.m.s. output)
- Input impedance: 50 KΩ (RCA)
- Maximum output voltage: 400 V r.m.s. / 1 KHz
- Standard bias voltage: DC 580 V
- Power voltage: 120-240V ±10%, 50 to 60 Hz (adjusted for your area)
- Power consumption: 29 W
- Temperature range for use: 0 to 35°C (no condensation)
- External dimensions: 150 (w) x 100 (h) x 360 (d) mm (including VR knob and pin jack (20 + 10))
- Weight: 2.9 Kg
- Remarks: With through-out terminals (RCA).

The specifications and external appearance of the unit may be changed without notice in order to make improvements.

Standard model

Front panel color : Silver



Black front panel

