

STAX®

SRM-D50

Electrostatic Energiser / DAC



About

Stax was formed in 1938 in Japan. In 1960 they released their first electrostatic Headphone or 'Earspeaker' as they are better known. Being an electrostatic design, a Stax Earspeaker requires an energiser unit to drive them making it a complete package. Over the last 50+ years, Stax has refined their designs making them the leaders in electrostatic headphones and arguably the leaders in high-performance headphones today.





Stax introduce the NEW SRM-D50 electrostatic energiser and DAC

Highlights

- Electrostatic energiser/DAC for Stax Electrostatic Earspeakers
- ESS ES9018 DAC coupled with 'TI OPA1642' ultra low distortion op amp to achieve bit correct signal representation
- XMOS USB interface supports DSD128 playback and PCM stream with up to 384KHz sample rate
- This high-performance DAC can be connected to a MAC / PC or a variety of digital audio sources
- Multiple digital inputs include: USB, S/PDIF on RCA and Optical. Analog input is via RCA
- Analog sources can also be connected
- Amplifier circuitry based on discrete components - heritage from classical STAX amplifier product
- A useful VU meter is cleverly housed in the front of the display
- Carefully selected internal high quality components
- Full Aluminium housing with multiple surface processing to achieve velvet feel
- Standard STAX 5-Pin connector for all STAX headphones.





Stax Electrostatic Earspeakers
sold separately



Exquisitely built

The entire chassis is made from Aluminium reducing the effects of magnetic interference. The SRM-D50 features a one piece wrap round lid. This lid goes through several processes to achieve a smooth velvet feel. The Stax logo is engraved into the top of the lid.

High-resolution playback

On the digital side, the SRM-D50 uses an XMOS USB interface support for DSD 5.6MHz signal playback and PCM audio with up to 384KHz sample rate.



High End DAC

On the digital conversion side, Stax chose to use the ESS ES9018 DAC. Renowned for its superb sound quality, the ES9018 is then fed to a 'TI OPA1642' ultra-low distortion op amp to ensure the delicate bitstream remains unaltered.

Multiple input selection

The SRM-D50 features three digital inputs: USB, S/PDIF on RCA and Optical. Analog input is via RCA.

Traditional Stax amplifier circuit

The SRM-D50 features an original low noise dual FET first stage, connecting to a all stage direct coupled Class A DC amplifier, which features no coupling capacitors. This allows for the smallest nuances in the music to be reproduced. Improvements to the emitter follower at the output stage results in a extended dynamic range, natural tonality and inner detail.

Carefully selected components have been chosen not just for their long life and reliability but equally for their tonal quality and unmatched performance.

VU Meter

The SRM-D50 is fitted with a VU to monitor input level. If connected to a variable output component the meter can be used to monitor input level and in turn avoid input clipping.

The SRM-D50 is a new generation electrostatic energiser

It allows multiple source selection, including high resolution USB audio interface, S/PDIF and optical connection. This is coupled with traditional analog connection. Overall the SRM-D50 is a combination of modern aesthetic design, high quality digital signal processing and the values of traditional Stax craftsmanship.



Stax SRM-D50 Specifications

Frequency response

DC -40KHz (+0dB, -3dB)

Rated input level

130mV (100V output)

Maximum input level

30V (minimum volume in RCA analog input)

Gain

59dB (900 times)

Harmonic distortion

< 0.025% /1KHz-10KHz/ SR-L series

Input impedance

20KΩ (RCA input)

Maximum output voltage

400Vr.m.s (1130Vp-p)

Bias voltage

DC 580V

Supply voltage

DC 14V

Power consumption

35W

Recommended operating temperature

0-35C, < 90% RH (No condensation)

Dimensions

192(W) x 67(H) x 268(D) mm

Net weight

4.5kg

Digital input

USB (type B) x1, TOS x 1, COAX x 1

Analog input

RCA x 1



For further information on the Stax SRM-D50, please contact Symmetry using the details at the bottom of the page.

