

REQ-S1 EX

REAL-SOUND PHONO EQUALIZER

“REAL-SOUND” BRINGS THE BREATHS
OF PERFORMERS JUST FRONT OF YOU

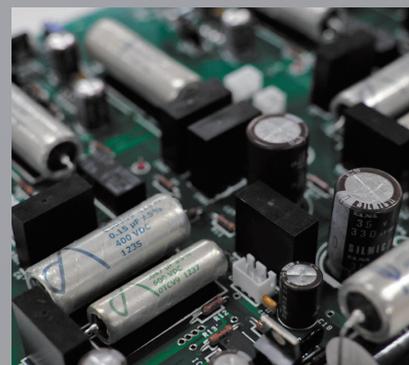


Seeking real sound — A phono equalizer that draws together in an extremely simple circuit configuration by making full use of the latent power of the latest operational amps close to the ideal amplifier

Operational amps with close to the ideal amp characteristics of ultra-low noise, high gain, and wide range in the amplifier elements are used in all aspects. Further, the advantages and latent performance of each cartridge are fully manifested in the latest ultra-low noise, high gain bipolar inputs in the initial operational amp that receives the low outputs and low impedance moving coil outputs, and meanwhile by selecting the high-performance FET inputs operational amp for the high-impedance moving magnet outputs. In addition, the output stage is configured using a rational and simple circuit comprising a single channel and 4 operational amps only, by adopting special audio operational amps that can operate smoothly even at loads of 600 Ω , and this simple configuration achieves high, natural, real sound quality.



DESIGNER AUDIO



Custom parts that focus on the equalizer elements are built in to pursue more real sound quality and richer sounds by adopting the ultra-low noise and high gain characteristics of the high-performance operational amps and using the simplest CR equalizers with excellent phase and dynamic characteristics

Uses a CR equalizer with excellent dynamic characteristics and the minimum of passive components only with absolutely no unstable elements in the circuits. Further, to maximize the manifestation of the essential equalizer potential, hermetically sealed oil capacitors (with a totally sealed configuration) with customized specifications from Arizona Capacitors, Inc., who are proud of their most excellent sound quality, and mica capacitors enclosed in a high-value resin case are connected in parallel as the capacitors not only to assure highly accurate RIAA deviation across all bandwidths, but also to enable high quality audio and excellent real sound sampling by fusing into one high quality tones using the smoothness of the oil capacitors and the high clarity audio quality of the mica capacitors, coupled with the use of highly reliable, low resistance MIL standards.

Excellent channel separation is obtained that enables excellent sound reproduction free from conduction noise from the power supply by separating the phono equalizer unit and power supply cases, and using independent left and right power supply circuits with range

Large-capacity Schottky barrier diodes were mounted using newly-developed SIC (silicon carbide) for the diodes, which determine the power supply sound quality in particular, and a high-quality analog power supply is used to obtain tones overflowing with clarity in the medium to high ranges, and rich sounds in the medium to low ranges. In addition, blending both customized large-capacity electrolytic capacitors and medium-capacity capacitors as the power supply capacitors, and connecting in parallel small-capacity oil and mica capacitors, etc., enables both a flat, energetic feeling across all bandwidths and low bands overflowing with a voluminousness to be achieved simultaneously. Further, we have worked to create high-quality audio by mounting the relay circuit transistors and power supply circuits separately as the power supply to the phono equalizer unit, and avoiding in advance the negative impact of the relay power circuit on the equalizer amps. In addition, mounting independent left and right power supply circuits for the equalizer circuits and completely eliminating interference with other channels from the power supply circuits (cross-talk) enables reproduction of accurate, real, and broad sound fields.

Specifications

Amplifier

[Input]	
MC gain	60 db
Input impedance switching	20 Ω / 200 Ω
MM gain	40 db
Input load capacity switching	0 pF / 100 pF
[Output]	
Unbalanced RCA	0.5 Vrms
Balanced XLR	1.0 Vrms
RIAA deviation	10 Hz - 50 kHz ± 0.25 dB max.
Input conversion noise	-140 dBV (MC)
Subsonic filter	-3 dB (20 Hz)
Max. external dimensions	260 mm (width) × 84 mm (height) × 387 mm (depth)
Weight	5.0 kg

Power supply unit

Power voltage	220 V AC, 50 Hz/60 Hz
Electrical consumption	10 W
External dimensions	260 mm (width) × 84 mm (height) × 380 mm (depth)
Weight	6.0 kg

Included items

Power cord	1
Dedicated DC cord	1
Operation manual	1

* Due to improvements the above specifications and external appearance may be changed without notice.

SPEC

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