

Reference 1

Line-stage Preamplifier



Reference 1 is the first reference class line-stage preamplifier offered by JE Audio. Reference 1 employs all-tube pure Class-A single-stage wideband balanced amplifier design. 6H30Pi vacuum tubes are used for signal amplification. No semiconductor devices are used in the signal path. Because of employing just one single-stage, Reference 1 has a lower phase shift compared with conventional multi-stage feedback amplifiers. Additionally, no global feedback is used so that the purity of the musical signals is preserved.

Reference 1 line stage preamplifier is equipped with a proprietary design digital potentiometer for volume control. The digital potentiometer is designed in such a way that it only attenuates the incoming signals but does not affect the signal integrity.

Reference 1 line-stage preamplifier presents lifelike musical quality in terms of transparency, dynamic and extraordinary imaging capability. It will meet any demands for high performance audio.

"A reference class fully balanced line-stage preamplifier that presents lifelike musical quality"

All-tube pure Class-A single-stage wideband balanced amplifier design with zero feedback

Proprietary digital volume control

Premium grade audio electronic components

Very low noise power transformers and precision DC regulated power supplies



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DESIGN

Class-A single-stage wideband balanced amplifier

VACUUM TUBES

6H30Pi x 4

TOTAL HARMONIC DISTORTION

0.05% (@ 2V/100k Ω)

SIGNAL GAIN

15dB (measured when the volume control is bypassed)

VOLUME CONTROL

Total 99 steps

FREQUENCY RESPONSE

+0, -3dB from 10Hz to 500kHz (measured when the volume control is bypassed)

INPUT IMPEDANCE

> 94k Ω

OUTPUT IMPEDANCE

1.5k Ω

S/N RATIO

> 90dB

POWER CONSUMPTION

65W

DIMENSION

H=175mm, W=460mm, D=390mm

NET WEIGHT

14.5 kg / 32 pound

OTHERS

- Come with a remote control
- Six XLR inputs and 3 XLR outputs
- Phase invert and non-invert selectable
- Volume control for L-Ch and R-Ch can be set independently
- Cumulated operation time of the preamplifier is continuously stored and can be displayed

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(Specifications subject to change without prior notice.)



www.je-audio.com