VL19 Balanced Line Stage Amplifier

VL19 is a high-fidelity balanced line stage amplifier with digital remote control. VL19 employs two 6H30Pi “super triode” per each channel in wideband balanced topology for signals amplification. A total of four 6H30Pi is used in VL19.

VL19 is a single-stage amplifier without employing global negative feedback. A single-stage amplifier has less phase shift compared with multi-stage amplifier. Additionally, since no global negative feedback is used, the purity of musical signals can be faithfully preserved.

Wideband MOSFETs are used in active current source for improving balanced signals integrity. Premium grade electronic components such as pure silver interconnecting cables, copper foil in oil capacitors and low noise R-core power transformer are extensively used in VL19. Advanced high precision DC regulated power supplies are used to improve overall stability and sonic performance.

VL19 comes with a digital remote controller for easy operation. Volume control can be finely set in 99 steps.

“a digitally remote controlled line stage amplifier in fully balanced design”

Wideband balanced amplifier

No global negative feedback

Pure silver interconnected cables

Wideband MOSFETs used in active current source

Premium grade electronic components

Advanced high precision DC regulated power supply

JE AUDIO

VL19 Balanced Line Stage Amplifier

"a digitally remote controlled line stage amplifier in fully balanced design"

- Wideband balanced amplifier
- No global negative feedback
- Pure silver interconnected cables
- Wideband MOSFETs used in active current source
- Premium grade electronic components

TOTAL HARMONIC DISTORTION
< 0.08% (@ 2V/100kΩ load)

MAXIMUM OUTPUT
> 40V (@ 100kΩ load)

SIGNAL GAIN
14dB

VOLUME CONTROL
Total 99 steps (00: MIN, 99: MAX)

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

SIGNAL TO NOISE RATIO
> 85dB (Balanced input)

INPUT IMPEDANCE
50kΩ (single-ended input)
100kΩ (balanced input)

OUTPUT IMPEDANCE
< 1.1kΩ (Each phase)

INPUT TERMINALS
Three sets of balanced input
Three sets of single-ended input

OUTPUT TERMINALS
Two sets of balanced output
One set of single-ended output

VACUUM TUBES
4 x 6H30Pi

CIRCUIT DESIGN
Wideband Balanced Amplifier Topology

POWER CONSUMPTION
78W

DIMENSION
H=160mm, W=444mm, D=387mm

NET WEIGHT
15.5 kg / 34 pound

SPECIFICATIONS FOR REMOTE CONTROL
INPUT SELECT 1 to 6

VOLUME UP/DOWN

MUTE

DISPLAY ON/OFF

(Specifications subject to change without prior notice.)

JE AUDIO

www.je-audio.com