

# VL10.1

## Line-stage Preamplifier



VL10.1 is a high-fidelity fully balanced line stage preamplifier. It employs three 6H30Pi “super triode” per channel in a patented Wideband Unity Balanced Amplifier (WUBA) configuration for signals amplification. A total of six 6H30Pi is used in VL10.1.

The WUBA is a single gain stage wideband balanced preamplifier design that contains no load resistors, no buffers and no followers. Because of employing just one single gain stage, the WUBA will have the lower phase shift compared with conventional multi-stage feedback preamplifiers. Additionally, no global feedback is used so that the purity of the 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 VL10.1. Dual mono low noise high precision DC regulated power supplies are used to improve overall stability and sonic performance.

*“A high-fidelity fully balanced line stage preamplifier”*

A patented wideband balanced preamplifier design

No global negative feedback

Dual mono low noise high precision DC regulated power supplies

Pure silver interconnected cables

Wideband MOSFETs used in active current source

Premium grade electronic components



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### CIRCUIT DESIGN

Patented Wideband Unity Balanced Amplifier (WUBA) design

### VACUUM TUBES

6 x 6H30Pi

### TOTAL HARMONIC DISTORTION

0.05% (@ 2V/100k $\Omega$  load)

### SIGNAL GAIN

20dB (Measured when the volume control is bypassed)

### FREQUENCY RESPONSE

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

### SIGNAL TO NOISE RATIO

85dB (Balanced input)

### INPUT IMPEDANCE

47k $\Omega$  (single-ended input)  
94k $\Omega$  (balanced input)

### OUTPUT IMPEDANCE

< 1.1k $\Omega$  (Each phase)

### INPUT TERMINALS

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

### OUTPUT TERMINALS

One set of balanced output  
One set of single-ended output

### POWER CONSUMPTION

90W

### DIMENSION

H=150mm, W=445mm, D=395mm

### NET WEIGHT

14kg / 31 pound

(Specifications subject to change without prior notice.)

