

# VS70.1

## Stereo Power Amplifier



VS70.1 is an improved version of our popular VS70 stereo power amplifier. VS70.1 closely follows the design from the mono-block power amplifier VM60. Except that VS70.1 uses lower power tubes and output transformer, the design of the amplifier follows the same patented *Dual Balanced Feedback Topology* (DBFT).

The improvement includes: optimized amount of feedback using in DBFT; enhanced DC power filtering capacitance; redesigned of all PCBs and moved the power switch from the rear to the front panel. These improve sonic performance as well as operation convenience.

The power amplifier design employs two patented circuits that make the VS70.1 a truly balanced power amplifier. Input signals are amplified in true balanced mode starting from the input stage to the output transformer. No solid-state transistors and integrated circuits are used for signal amplification. Since a fully balanced mode is effectively operating, external electromagnetic noises picked up by audio cables can be easily cancelled out.

*“A fully balanced stereo power amplifier delivers 35W per channel”*

Patented fully balanced design

Optimized amount of feedback using in the DBFT

Premium grade power and output transformers

Premium grade electronic components

Soft start circuit reducing inrush current



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### CIRCUIT DESIGN

Dual Balanced Feedback Topology (DBFT) design

### VACUUM TUBES

4 x 12AX7/ECC83, 2 x 6DJ8/6922, 4 x KT77

### POWER OUTPUT

35 watts per channel into an 8 or 4 Ohm load

### OUTPUT LOAD IMPEDANCE

Terminals for 8 and 4 Ohm

### TOTAL HARMONIC DISTORTION

0.1% @ 10W, 1kHz, 8 Ohm load

1% @ 35W, 1kHz, 8 Ohm load

### FREQUENCY RESPONSE

20Hz to 20kHz

### INPUT SENSITIVITY

1V balanced

### SIGNAL TO NOISE RATIO

85dB (Balanced input)

### INPUT IMPEDANCE

> 22k Ohm (single-ended input)

> 44k Ohm (balanced input)

### POWER CONSUMPTION

205W

### DIMENSION

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

### NET WEIGHT

24 kg /53 Pounds

(Specifications subject to change without prior notice.)

