

Up-to-date: The new SP-995 - mono power amplifiers



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Completely versatile: SP-995

The SP-995 is a versatile mono power amplifier from Vincent. Its special feature is its ability to switch between the two amplifier operation modes, "Class A" and "Class AB," on the front of the device. This permits operation as a pure Class A mono power amplifier that does not transfer to AB operation during output. The Class A circuitry provides a faithful deep bass and clean, airy trebles, but it also ensures with the high quiescent currents created by this that the amplifier power picked up even without a signal or with very small input signals is higher than in AB operation. The SP-995 user can decide for himself at any time whether he would like to switch to the power-saving Class AB operation, which is associated with less waste heat, for instance for a PA system at a party, where every last drop of purity of sound does not count.

With the device being equipped with both RCA and XLR input connectors and the input selection switch on the front of the device, the user can decide at any time whether he would like to use a symmetrical or an asymmetrical source. With the switch it is even possible to integrate the power amplifier into two units at the same time.

Both switches use sealed solid relays. Oxidation of the contact points is prevented here and deterioration is virtually unknown.



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The development of the SP-995:

In the basic design we relied on the circuitry of the Vincent SP-991. But many points were optimised and improved. One result is the clear open sound of the SP-995. The better sound is mainly thanks to a new DC server unit with improved voltage and power supply. Here the OPA2604 amplifier component provides a significantly more stable supply, which is echoed very clearly in terms of performance in the improved stability of the sound. The source of this performance and the ease with which this amplifier drives even problem speakers, is to be found in the 500 W transformer. So this amplifier can put out 100 W of electrical power even in Class A operation at 8 Ohms. At 4 Ohms the power amplifier achieves 200 W output and at 2 Ohms 350 W. 16 field-effect output transistors (FETs) and eight capacitors at 10,000 μ F capacity each contribute to the excellent technical specification.

A feature of the amplifier that practically sets it apart is the "POWER CONTROL" circuitry which not only allows the device to react to switching signals in a traditional way but also to emit them itself.

Technical Specifications:

- Frequency response: 10 Hz - 50 kHz \pm 0.5 dB
- Nominal Output Power RMS/2 Ohm: 350W
- Nominal Output Power RMS/4 Ohm: 200W
- Class A/8 Ohm: 100W
- Total harmonic distortion: < 0.1 % (1 kHz, 1 Watt)
- Input sensitivity: 800mV
- Signal-Noise ratio: > 90 dB
- Input impedance: 47 kOhm
- Inputs: 1 RCA, 1 XLR
- Outputs: 2 Speaker Terminal
- With 12 V Trigger input/output
- Mains supply: 230 V/50 Hz
- Colour: black/silver, Weight: 19,5 kg
- Dimensions (WxHxD): 430 x 150 x 435 mm

The design of the SP-995 goes perfectly with devices such as the SA-93Plus and the new CD-S5. Together with them it creates a chain in a perfect harmony of sound.



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