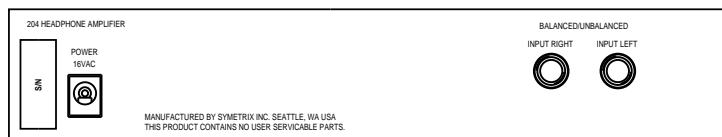


THE MODEL SX204 HEADPHONE AMPLIFIER is a 1-in 4-out amplifier designed to drive multiple headphones of any impedance. Symetrix' proprietary high voltage converter technology gives the SX204 the ability to drive high impedance headphones with the equivalent output voltage of a much larger power amplifier, yet provides more than ample current for low impedance phones. The four stereo outputs automatically adjust output power to accommodate different load impedances. Each of the four outputs has its own set of amplifiers, each with its own output control. Independent amplifiers allow mixing and matching totally different headphone types.

Controls provided are input level, output level for each individual amplifier, and a stereo/mono switch. The Stereo/Mono switch allows the amplifier to be used several ways. As a "normal" stereo amplifier (with four outputs), the left and right inputs are used for stereo signals, which feed the left and right outputs. Switching to mono with a stereo input provides a quick check of the mono compatibility of a stereo mix. As a mono amplifier, one signal fed to either input will feed both outputs. Also in mono mode, when two different mono signals are fed to the left and right inputs, they will be combined to feed both the left and right outputs.

The inputs are electronically balanced, but will operate normally in an unbalanced configuration when 2-conductor 1/4" plugs are inserted. The outputs are 1/4" stereo connectors. Since the SX204 has a half-rack width chassis, two such units may be mounted in a single 1.75" rack space, giving eight individually controlled stereo headphone outputs. •



SPECIFICATIONS

Input/Output

Inputs	Bridging, Balanced/Unbalanced, Transformerless
Impedance	>10 kilohms/leg
Input Connector	1/4" Tip-Ring-Sleeve
Max Input Level	+18 dBu
Outputs	4 each, low-Z, 160-Ohm source impedance
Maximum Output Level	>50V peak-to-peak into 2000 Ohms
Output Connectors	1/4" stereo (x4)

Performance Data

Frequency Response	20 Hz to 20 kHz, +0, -1 dB
THD+Noise	.01% (1 kHz, 0 dBm, 600 Ohms)
	.02% (1kHz, +24 dBm, 600 Ohms)
Signal to Noise Ratio	95 dB
Gain	20 dB

Physical

Size	1/2 rack unit
Size (HWD)	1.75 x 8.5 x 6.5 inches, 4.445 x 21.59 x 15.875 centimeters
Weight	2.5 lbs

Electrical

Power Requirements	16V AC, 200 ma (Symetrix PS-2, included)
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APPLICATIONS

- Remote recording and in studio monitoring
- Point-of-sale and active museum displays
- Educational A/V learning systems
- In-ear stage monitors

FEATURES

- Four independent stereo outputs driven from one stereo input
- Drives high- or low-impedance headphones
- Stereo or mono operation
- Capable of > 50V peak-to-peak output swing into 2000-Ohm load
- Individual level controls for each output
- Master input level control
- Balanced or unbalanced signal connection
- UL listed power supply

Specifications subject to change without notice.

SX204