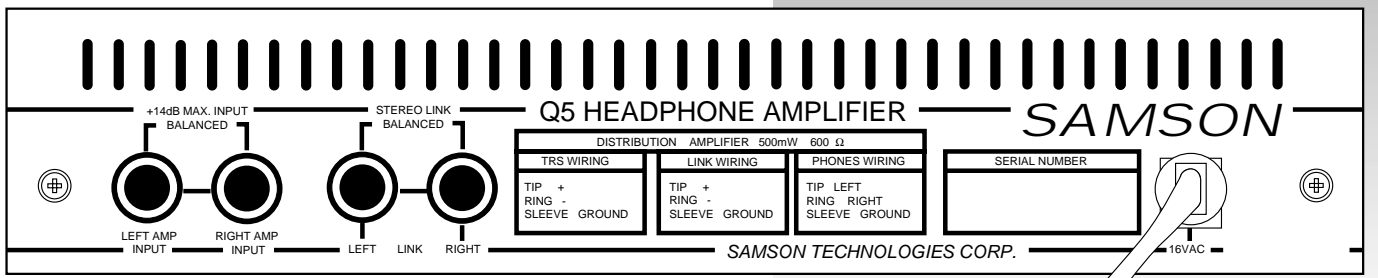
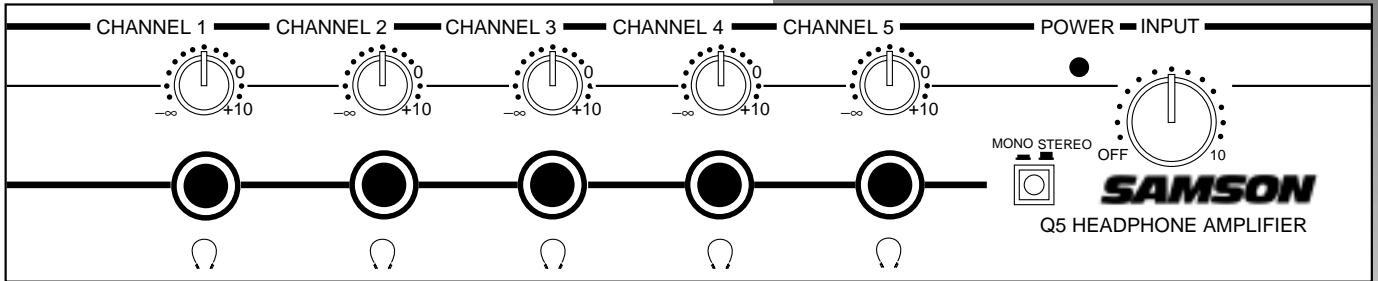


Q5 HEADPHONE AMPLIFIER

SAMSON AUDIO



The Q5 Headphone Amplifier is a compact, easily installed single-space half-rack-mount package that permits the monitoring of any stereo or mono source signal over as many as 5 headphones. Equipped with individual channel level controls, a master input level control and a global mono/stereo switch, the Q5 is an ideal device for recording, teaching lab, broadcast and contracting applications. It also features dual-purpose balanced/unbalanced stereo line inputs (1/4" connectors), as well as electronically balanced stereo link outputs (1/4" connectors) that enable any number of Q5 units to be coupled with no loss of signal.

- 5-stereo-channel half-rack headphone amp (1 space).
- Up to 500 mW output per channel.
- Special voltage doubler circuitry enables the Q5 to deliver unusually high output levels while maintaining excellent audio fidelity.
- Individual level controls for each headphone output permits customized gain settings regardless of the type of headphone used.
- Balanced stereo link outputs for linking several Q5s together.
- Master input level control.
- Global mono/stereo switch.
- Dual-purpose balanced/unbalanced inputs.

Contact:

ARCHITECT'S & ENGINEER'S SPECIFICATION

The headphone amplifier shall incorporate a stereo line input, 5 output channels, and a stereo link output. Line inputs and stereo link outputs shall be on balanced 1/4" tip-ring-sleeve phone connectors. Channel outputs shall be on 1/4" tip-ring-sleeve phone connectors. Each channel shall have a level control and there shall be a master input level control and global stereo/mono switch. An indicator shall be provided for power.

The headphone amplifier shall deliver maximum power equal to or greater than 500 mW into 5 channels, gain of 20 dB, crosstalk of 54 dB, signal-to-noise equal to or greater than 95 dB, THD less than 0.003% and frequency response of ± 1 dB from 20 Hz to 20 kHz. Total power consumed at full audio power shall be 16 VAC, 1.2 A (provided by included power supply).

Dimensions shall be 8.6" (219 mm) wide, 6.9" (175 mm) deep and 1.7" (44.5 mm, one rack space) high. Weight shall be 2 lb. (.9 kg). The headphone amplifier shall carry a three-year warranty.

The headphone amplifier shall be a SAMSON Q5.

Q5 SPECIFICATIONS

Power (1 kHz):	500 mw x 5 channel
Gain:	20 dB
Crosstalk (1 kHz):	54 dB
Signal-to-noise ratio:	95 dB
Frequency response (unity):	20 Hz - 20 kHz ± 1 dB
THD+N, unity gain, 20 Hz - 20 kHz:	
<.003%:	(1 kHz, 0 dBm, 600 Ω)
<.006%:	(1 kHz, 24 dBm, 600 Ω)
Inputs:	
Type:	Low-Z balanced/unbalanced, transformerless
Input impedance:	10K Ω
Maximum input level:	+18 dBV
Connector:	3-conductor 1/4"(tip-ring-sleeve)
Output:	
Type:	Low-Z
Output impedance:	160 Ω
Maximum output level:	24 dBm / 600 Ω
Connectors:	1/4" stereo (x 5)
Indicators:	
Power:	Red LED indicators Power "On"
Power requirements:	16 Vac, 1.2 A
Dimensions:	8.6" (w) x 6.9" (d) x 1.7" (h) 219 mm (w) x 175 mm (d) x 44.5 mm (h)
Weight:	2 lb / .9 kg

