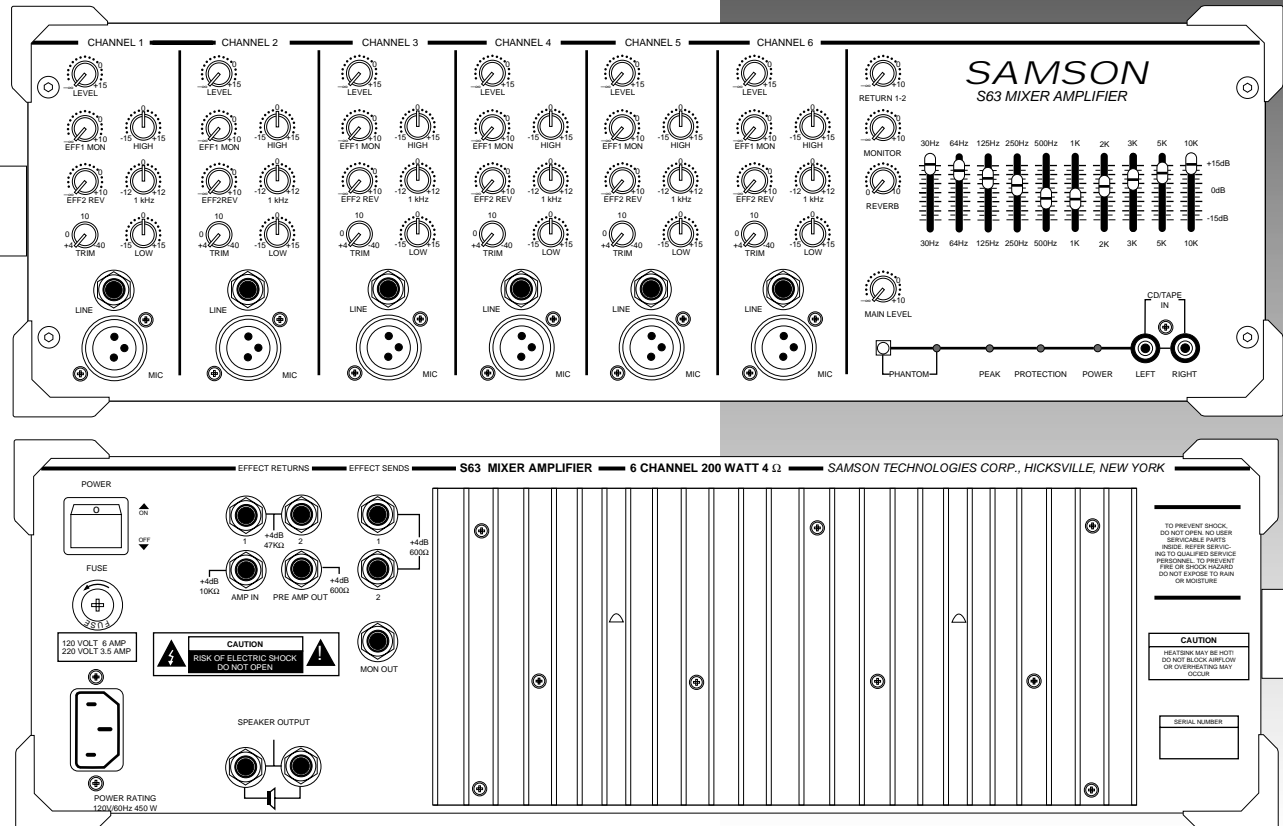


S63 MIXER AMPLIFIER

SAMSON AUDIO



The S63 Mixer Amplifier combines a monophonic (6-input) mic/line mixer with a dedicated power amp producing 200 watts into 4 ohms. Very portable and easily installed into a rack, the S63 is equipped with 3-band equalization on each channel and a 10-band graphic EQ on the main output. The S63 is ideal for recording, live concert and contracting applications. It also features 6 electronically balanced mic/line inputs (XLR-type and 1/4" connectors), a CD/tape input (phono connectors), switchable 48 volts phantom power, internal reverb, 2 Aux sends and 2 Aux returns, along with amp in and pre-amp and monitor out patch points.

- 6 balanced mic/line-input channels.
- Independent CD/tape input; signal is routed via channel EQ.
- Power: 200 watts into 4 ohms.
- Built-in 3-spring reverb.
- 3-band equalization on all channels.
- 10-band graphic master EQ.
- Master peak LED.
- Input trim control on each channel.
- 2 Aux sends per channel.
- 2 Aux returns with front-panel level controls.
- 48 V phantom power selectable for mic input connectors.
- Protection relay circuitry to prevent noise when powering on.
- 2 speaker outputs.
- Portable format with carry handle and protective corners.
- Rackmountable with rack ears included.
- Rear-panel amp in and preamp output.
- Master monitor and reverb level controls.

Contact:

ARCHITECT'S & ENGINEER'S SPECIFICATION

S63 SPECIFICATIONS

The mixer amplifier shall incorporate a 200 watt mono- phonic amplifier, a 10-band graphic equalizer and a monophon- ic mixer with 6 microphone/line-input channels. Microphone inputs shall be on XLR-type connectors and line inputs shall be on balanced 1/4" tip-ring-sleeve phone connectors. An independ- ent line-level CD/tape input (routed to channel 6) shall be on phono connectors. Each channel shall have a trim control, an effects send, a monitor send, 3-band equalization and a level control.

The mixer shall provide main, monitor and effects outputs on 1/4" phone connectors, as well as a preamp out and power amp in for submix applications on 1/4" phone connectors. Two effects returns shall be provided on 1/4" phone connectors, and each shall have an independent level control. +48 volt phantom power shall be provided for operation of condenser micro- phones. The amplifier shall be passively cooled. Amplifier out- put shall be provided on two 1/4" phone connectors. Indicators shall be provided for peak level (5 dB before clipping), power, +48 V and amplifier protection. The unit shall be of a stand alone or rack-mount type.

The amplifier shall deliver maximum power equal to or greater than 200 W into 4 ohms, signal-to-noise equal to or greater than 110 dB, THD less than 0.0035% and frequency response of ±1 dB from 10 Hz to 28 kHz. The mixer shall have residual noise of -115 dB, signal-to-noise equal to or greater than 78 dB and THD less than 0.01%. Total power consumed at full audio power shall be 376 W (115 Vac) and 395 W (230/240 VAC). Dimensions shall be 17.75" (451 mm) wide, 4.92" (125 mm) deep and 11.02" (280 mm; 4 rack spaces) high. Weight shall be 29 lb. (13.2 kg). The mixer amplifier shall carry a three- year warranty.

The mixer amplifier shall be a SAMSON S63.

MIXER/PREAMP SECTION

THD (with 30 kHz LPF, trim center):	< 0.01%
Signal-to-noise ratio (with 30 kHz LPF, trim center):	78 dB
Maximum voltage gain	
Mic in to preamp out: effects send 1, 2, mon out:	62 dB
Line in to preamp out: effects send 1, 2, mon out:	52 dB
Tape in to preamp out: effects send	10 dB
Tape return to preamp out:	2:5 dB
Residual noise (with 30 kHz LPF, VR min)	
Preamp out:	-115 dB
Mon out:	-100 dB
Trim gain:	40 dB
Tone controls	
High (10 kHz):	± 15 dB
1 kHz:	± 12 dB
Low (80 Hz):	± 15 dB
Graphic equalizer (30, 64, 125, 250, 500 Hz, 1, 2, 3, 5, 10 kHz):	± 15 dB
Peak LED:	5 dB before clipping
Tape input sensitivity (-10 dB):	300 mV

POWER AMP SECTION

Rated output power (1 kHz):	200 W into 4 Ω
	130 W into 8 Ω
THD (with 30 kHz LPF):	< 0.0035%
Signal-to-noise ratio (with 30 kHz LPF):	110 dB
Frequency response (±1 dB):	10 Hz to 28 kHz
Input sensitivity/impedance:	1.2 V/10 kΩ
Residual noise (VR min):	74 dB typical
Idle current (across the 0.47 Ω emitter resistor):	< 7 mA
DC offset voltage:	0 ± 50 mV

GENERAL

Dimensions:	19" (w) x 4.92" (d) x 11.02" (h)
	51 mm (w) x 125 mm (d) x 280 mm (h)
Weight:	29 lb. • 13.2 kg
Power requirements:	115 VAC • 50/60 Hz
	376 W (115 VAC)
Power consumption (at full power):	395 W (230/240 VAC)

