

## PRODUCT

**SERVO 201a**

## DESCRIPTION

**POWER AMPLIFIER**

## SERIES

**SERVO SERIES**

## CATEGORY

**AMPLIFIERS****GENERAL DESCRIPTION**

The Servo 201a is a compact power amplifier that provides excellent reliability and versatility. Ideal for powering near field monitors or installation sound, the Servo 201a offers 100 watts per side at 4 ohms in stereo or 200 watts at 8 ohms in bridged mono.

With its bipolar design and toroidal transformer power supply, the Servo 201a provides quiet, dependable performance, and its 10-segment, 3-color LED meters also add a convenient visual element. The Servo 201a is an ideal solution for near field monitors or cue headphones in both professional and project studios. Its superb audio specs along with a unique front-panel speaker on-off switch and dedicated headphone jack make the Servo 201a a great complement to any recording studio.

In addition to studio applications, this compact, unobtrusive power amplifier is great for home theater applications in conjunction with any DVD player or other surround sound system. For example, use it in stereo mode to drive your main front left/right speakers, using your home stereo to drive the rear satellite speakers. Or use the Servo 201a in bridge mode to drive your center channel or subwoofer.

Of course, the Servo 201a is also great for powering public address systems in permanent installations like

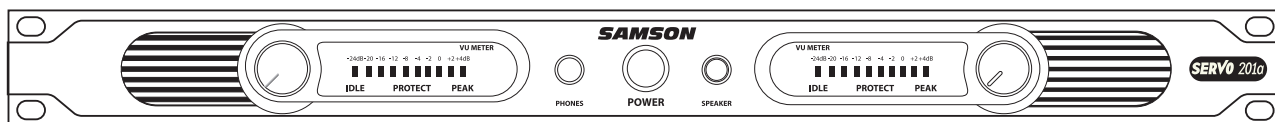
classrooms and corporate conference rooms. Additionally, the unit is ideal for driving stage monitors in small and medium-sized onstage areas such as clubs and lounges, allowing the performers to hear themselves without having to rely on onstage equipment amplification.

Taking only a single rackspace, installers can easily incorporate the Servo 201a into their existing rack. Combined with a pair of high-quality stage or studio speakers, this amplifier makes for an excellent monitoring system that can accurately reproduce the broad range of frequencies typically output by devices such as synthesizers, samplers, and digital audio workstations.

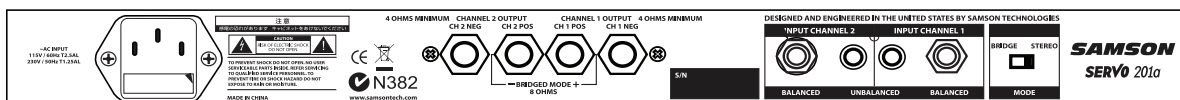
**FEATURES**

- > Single-space 19-inch rackmount servo controlled power amplifier
- > 100 watts per side at 4 ohms (stereo)
- > 200 watts at 8 ohms (bridged mono)
- > 1/4-inch balanced phone jack and RCA inputs
- > Bi-polar design and toroidal transformer power supply
- > Individual left and right level controls
- > 10-segment, 3-color LED meters
- > Headphone jack with speaker output mute

FRONT PANEL



BACK PANEL



## PRODUCT SPECIFICATION SHEET

SERIES  
**SERVO SERIES**

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**AMPLIFIERS**

# SERVO 201a

### ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The Samson Servo 201a shall be a single rack space power amplifier. It shall deliver 100 watts per side into a 4-ohm load and have a bridge mono mode allowing 200 watts into an 8-ohm load. The Servo 201a shall have balanced 1/4 inch inputs and RCA unbalanced inputs. It shall have independent left and right front panel level controls and three color ten segment level meters. There shall be a front panel lighted power switch. The Servo 201a shall have a headphone jack on the front panel and associated lighted speaker disconnect switch for private listening. The amplifier design shall be of the AB class and use internal variable speed fans for cooling.

### SERVO 201a POWER AMPLIFIER SPECIFICATIONS

<b>Frequency Response</b> .....	10 Hz – 20 kHz +0, -0.5 dB 3 Hz – 65 kHz +0, -3.0 dB
<b>Rated Output Power per Channel Stereo (@ 1 kHz)</b>	
..... 4Ω, <0.05% THD+N:	100 W
..... 8Ω, <0.05% THD+N:	65 W
<b>Rated Output Power per Channel Bridge Mono (@ 1 kHz)</b>	
..... 8Ω, <0.05% THD+N:	200 W
<b>Typical Distortion per Channel</b> .....	THD+N (80 kHz LPF @ 1 kHz rated output power): 0.01% IMD (SMPTE 4:1, 60 Hz & 7 kHz @ rated output power): 0.03%
<b>S/N Ratio</b> .....	22 Hz – 22 kHz bandwidth @ 1 dB below rated output power: 105 dB
<b>Input Sensitivity</b> .....	-10 dBV on the RCA inputs, +4 dBu on the 1/4" inputs to achieve rated power (level control set to max)
<b>Crosstalk (adjacent channels)</b> .....	-75 dB, 1 kHz
<b>Output DC Offset Voltage</b>	
± 50 mV, DC servo controlled	
<b>Headphone Output Level</b> .....	500 mW (into 100Ω @ 1% THD+N)
<b>Dimensions (W × D × H)</b> .....	17.5" × 11.5" × 1.75" 444mm × 292mm × 44mm
<b>Weight</b> .....	14.5 lbs (6.58 kg)

