



Specifications: SA201 Mini Amplifier

Frequency Response	10 - 20 kHz +/- 0.1 dB
Power per channel	(20-20kHz, 4 ohm, both channels driven) 20 w (20-20kHz, 8 ohm, both channels driven) 10 w
Signal to Noise	(20 - 20kHz, 4 ohm, A-Weighted) 92 dB
Input Impedance	6k ohms
Max Gain	35 dB
Filters	High pass filter f_3 250 Hz High pass filter slope 6 dB/oct Low pass filter f_3 310 Hz Low pass filter slope 6 dB/oct
Packaging	1 per box - includes mounting hardware and power supply

Key Features

- Gain control
- Ultra-compact
- Stereo RCA, 3.5mm mini, and High level inputs
- 12V trigger
- Mounting hardware included
- High, low pass filter or full range

Description

The SA201 is a 20 w per channel @ 4 ohm stereo amplifier. Mounting hardware is included. The front panel contains a gain control and Stereo RCA and mini plug inputs. On the rear panel are a power input, a stereo output and a high-level (speaker-level) input for boosting low-power speaker outputs (e.g. flat panel displays).

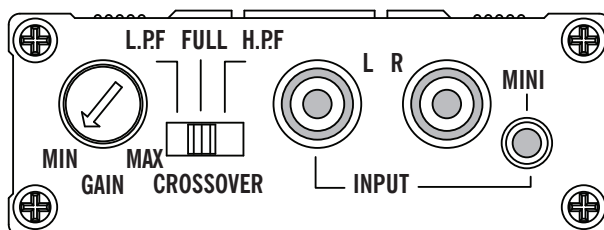
Applications

Designed to provide amplification in a small cost-effective package while maintaining high performance, the SA201 is ideal for use with SoundTube FP focus point speakers. Other applications include: digital signage, education, point of purchase, surgical centers, museums, AV carts or any place where space is limited.

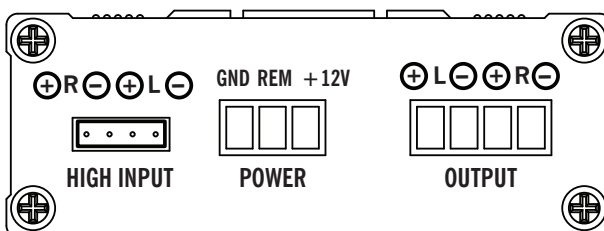
Patented Technologies

SoundTube Entertainment, part of MSE Audio Group, is constantly developing new technologies that enhance audio product performance. SoundTube innovations are protected by multiple U.S. & international patents, which explicitly cover SoundTube dome, enclo-

Front



Rear





sure, dispersion and mounting technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.com.

Data Acquisition

All performance data acquired at SoundTube's Technical Measurement Center (TMC) are analyzed using a variety of standard measurement techniques, including Measured Length Sequence (MLS) and Time Delay Spectrometry (TDS). Performance, development and data acquisition tools include: Gold Line TEF 20, CLIO, LMS, LEAP, and proprietary modeling software. EASE™ data are acquired through an automated CLIO/Outline/EASE™ interface.

Architectural Specifications

The amplifier shall consist of a RCA, mini plug and high power input, a gain control and power supply.

The power supply shall be an on-wall with input of 100-240v AC, 50/60 Hz and Output of 12v DC, 2500mA. It shall be certified by UL. An optional power source shall be a Desktop with and input of 100-240v AC, 50/60 Hz and an output of 12v DC, 3000mA. It shall be Certified UL, CE and RoHS.

Performance specifications of a typical production unit shall be as follows: 20 w of power per channel (20-20kHz, 4 ohm, both channels driven) or 10 w of Power per channel (20-20kHz, 4 ohm, both channels driven). The amplifier shall have a input impedance of 6 kOhms. The high pass filter shall have an f_3 of 250 Hz and a slope 6 dB/oct. The Low pass filter shall have an f_3 of 310 Hz and a slope 6 dB/oct. The max gain shall be 35 dB.

The external wiring output connector shall be a terminal block that shall accept from 10 – 22 gauge wire. The system shall be for indoor applications.

The enclosure shall be constructed of extruded aluminum. Overall cabinet dimensions shall be no more than 26.04mm (1.03 in) in height by 69.60 mm (2.74 in) in width and 101.90mm (4.01in) in depth. The SA201 shall include mounting hardware, power supply and high power input wire.

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All SoundTube products come with a 5-year limited warranty.

Mechanical Drawings

