



Audio Power Amplifier

Model S2-101AA

S2-101AA is a Stereo Audio power amplifier providing 10 Watts RMS per channel into a 4 Ohm load when signals from a pre-amplified source are provided as inputs. This professional series amplifier operates with very low Total Harmonic Distortion (THD+N) and very high Signal to Noise Ratio (S/N+N.) Plus Crosstalk is greatly minimized. Frequency Response is a very wide 20Hz to 24kHz and the inputs can be either balanced or unbalanced stereo audio.

To prevent speaker damage, the unit has Pop Suppression upon turn on. It also features short circuit and over temperature protection. The S2-101AA provides for a wide range of input connections including RCA connectors, Terminals and a 3.5mm Mini-Stereo Jack to accommodate PC audio inputs. The output connectors utilize spring loaded terminals for connection to external speakers.

Mechanical construction uses the same form factor as the companion S2 Switcher products for ease of integration. An optional Single/Dual Rackmount Kit is available. The S2-101AA can be controlled from a host C2 unit or operate as a standalone amplifier.



Key Features of the S2-101AA

- Accepts Balanced or Unbalanced Inputs
- Three Different Input Connector Types
- Frequency Range of 20Hz to 24kHz
- 10 Watts RMS of Stereo Audio Output Power
- Very Low THD and Crosstalk
- Pop Suppression Upon Turn On
- Short Circuit and Over-Temp Protection
- Spring Loaded Speaker Terminals
- Robust +12VDC/4 Amp Power Supply
- Controllable via RS-232, IR or Front Panel
- Optional Single/Dual Rackmount Kit

Specifications

Stereo Audio Inputs Connectors

Unbalanced	1x via 2x RCA (R/L) Connectors
Differential (Bal./Unbal.)	1x via Terminals
PC Audio	1x via 3.5mm Mini-Stereo Jack

Input Characteristics

Nominal Input Level	353mVrms/Unbal, 1.77Vrms/Bal
Input Sensitivity	848mVrms (-1.43dBV), Bal., 84mVrms (-19.4dBu), Unbal.
Input Impedance	27K Ω UnBal., 24K Ω Bal.

Output Connectors

Terminal (Speaker)	2x Pair, Spring Loaded
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Output Characteristics

Maximum Power Output	10WRMS/4 Ω load-Per Channel
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Amplifier Characteristics

Operation Class	Optimized Class D
Freq Response	20Hz-24kHz (-3dB)
THD+N	0.07%@1kHz, 1W
S/N Ratio	>-71dB@1kHz, Unweighted
Crosstalk	>-63dB@1kHz to 20kHz

Mechanical

Size (H-W-D)	41.5x218x150mm(1.63"x8.6"x5.9")
Weight (Net)	1.10kg (2.42 lbs)

Warranty

Limited Warranty	2 Years, Parts and Labor
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Environmental

Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 85%, Non Condensing
Storage Temperature	-10° to +70° C(+14° to +158° F)
Storage Humidity	10% to 85%, Non Condensing

Power Requirements

Via Included AC Adaptor	+12VDC@4 Amps ¹
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Regulatory Approvals

Amplifier	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS

Product Item Number

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Accessories Included

Operations Manual	S2 Series Product Operations
1x Power Adapter	US, UK or Euro

Optional Accessories

RM-220	Single/Dual Rack Mount Kit
IRC-5	Infrared Remote Control

Note

(1) The S2-101AA CANNOT be powered via the option cable from a C2 series product. The C2 product's Option connector cannot supply the required 4 Amps of power.

Panel Drawings

