



RDL[®]
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON[®] SERIES

Model ST-PA6

Audio Power Amplifier

ANYWHERE YOU NEED...

- Up to 6 Watts RMS Into 8 Ω
- Amplifier with Balanced Audio Inputs
- Built In Two-Input Mixer
- Low Noise and Distortion
- Amplifier with "Loudness" Equalization

You Need The ST-PA6!



The ST-PA6 is a utility power amplifier in the convenient line of STICK-ON products from Radio Design Labs. The durable bottom adhesive permits quick, permanent or removable mounting nearly anywhere, or it may be used with RDL's racking accessories. The ST-PA6 gives you the advantages of a quality audio power amplifier with the added convenience of STICK-ONS!

The ST-PA6 represents the second-generation in RDL's breakthrough in the traditional power vs. size ratio. Present technology permits features and performance at the most economical cost ever. The ST-PA6 offers 6 Watts of power for a price you would expect to pay for 3 Watts!

APPLICATION: The ST-PA6 features two balanced audio inputs, a gain control, and an 8 Ω output. The output is designed to deliver a clean 6 Watts RMS into an 8 Ω speaker. Each input is a balanced bridge, with the two inputs mixed equally. This is particularly useful for monitoring a stereo line. The output stage features protection against short-circuits and thermal overload. The output protection automatically resets once the condition is removed, making fuse protection unnecessary!

The compact design and low cost of the ST-PA6 allow using it to individually drive each speaker in many installations. Since most applications using low speaker power levels are running music at a *background* level, speaker inefficiencies tend to produce a *thin* sound lacking in low frequencies. The traditional approach to correct this has been to cut the high frequency response producing an apparent increase in bass. The ST-PA6 now offers actual equalization, permitting the installer to set the low frequency boost, rather than a high-frequency cut. As reproduction quality has improved, listeners have become more sophisticated, and crisp, high-frequency response is expected in a quality sound system. With the ST-PA6, this flexibility is now available for the cost of a typical utility amplifier!

The convenience and low cost of the ST-PA6 make it the ideal choice as a building block in many systems, from simple to complex. Used in combination with other RDL RACK-UP[®], STICK-ON, TX[™], or FLAT-PAK[™] series products as part of a complete audio/video system.



STICK-ON[®] SERIES

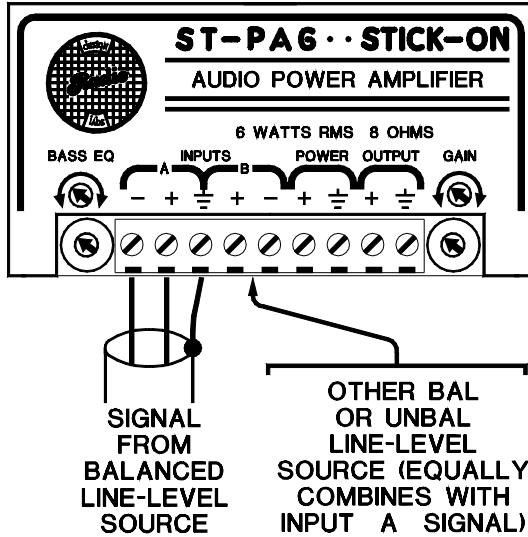
Model ST-PA6

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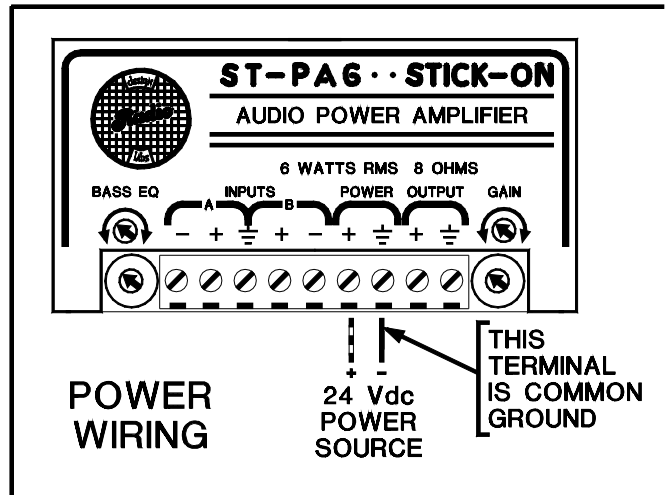
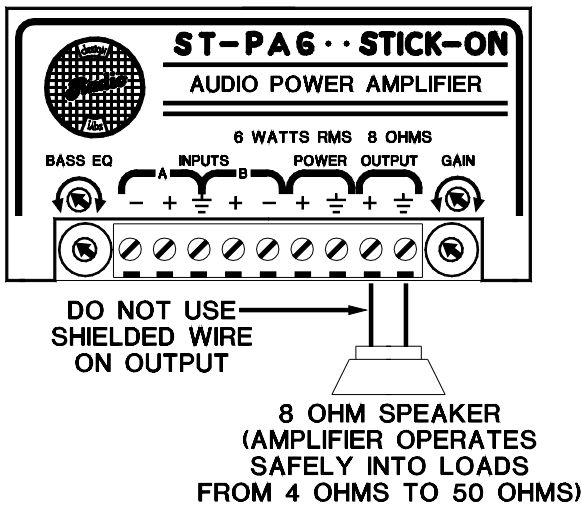
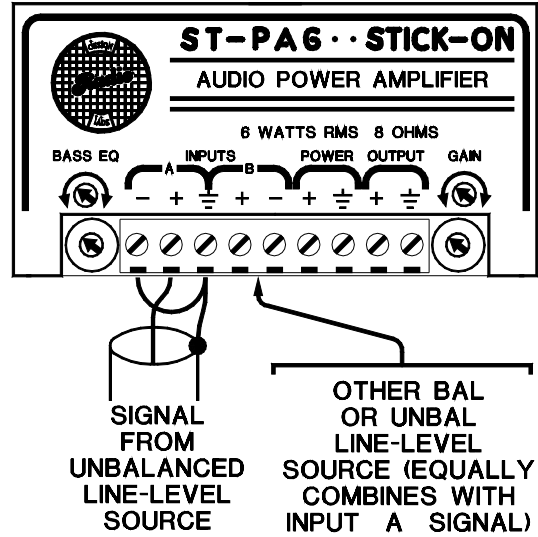
Installation/Operation



EN55103-1 E1-E5; EN55103-2 E1-E4
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



AUDIO WIRING



POWER WIRING

TYPICAL PERFORMANCE

Inputs:	2 @ 100 kΩ balanced (may be wired unbalanced, inputs equally combined)
Input Level:	400 mV (RMS) minimum (for rated power output)
Freq. Response:	35 Hz to 30 kHz (+/- 1.5 dB w/EQ setting flat)
THD:	< 0.350%
Noise:	< -60 dB
Output:	8 Ω unbalanced, 6 watts RMS
Equalization:	Single-turn adjustment: Flat to +5 dB @ 60 Hz (center frequency of boost) Flat to +4 dB @ 100 Hz Flat to +3 dB @ 120 Hz
Power:	24 to 33 Vdc @ 350 mA, Ground referenced

Radio Design Labs Technical Support Centers

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