

# STICK-ON® SERIES Model ST-PA6 Audio Power Amplifier

#### ANYWHERE YOU NEED...

- Up to 6 Watts RMS Into 8  $\Omega$
- 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 RDLs 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  $\Omega$  output. The output is designed to deliver a clean 6 Watts RMS into an 8  $\Omega$  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!

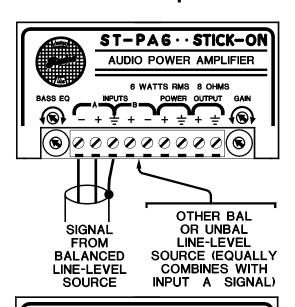
The compact design and low cost of the ST-PA6 allow using it to individually drive each speaker in many installations. Since most applications using low speaker power levels are running music at a *background* level, speaker inefficiencies tend to produce a *thin* sound lacking in low frequencies. The 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!

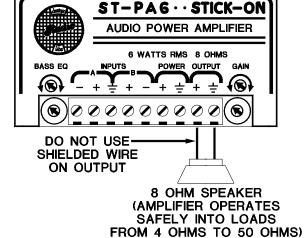
The convenience and low cost of the ST-PA6 make it the ideal choice as a building block in many systems, from simple to complex. Used in combination with other RDL RACK-UP<sup>®</sup>, STICK-ON, TX<sup>™</sup>, or FLAT-PAK<sup>™</sup> series products as part of a complete audio/video system.



## STICK-ON® SERIES

## **Model ST-PA6 Audio Power Amplifier**



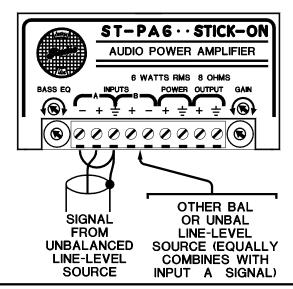


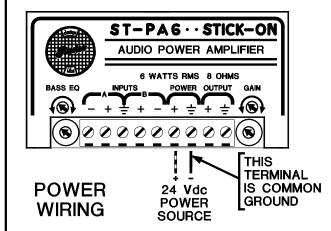
## **Installation/Operation**

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**





#### TYPICAL PERFORMANCE

Inputs: 2 @ 100 k $\Omega$  balanced (may be wired unbalanced, inputs equally combined)

Input Level: 400 mV (RMS) minimum (for rated power output) 35 Hz to 30 kHz (+/- 1.5 dB w/EQ setting flat) Freq. Response:

THD: < 0.350% < -60 dBNoise:

Output:  $8 \Omega$  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

24 to 33 Vdc @ 350 mA, Ground referenced Power: