



RDL[®]
Radio Design Labs

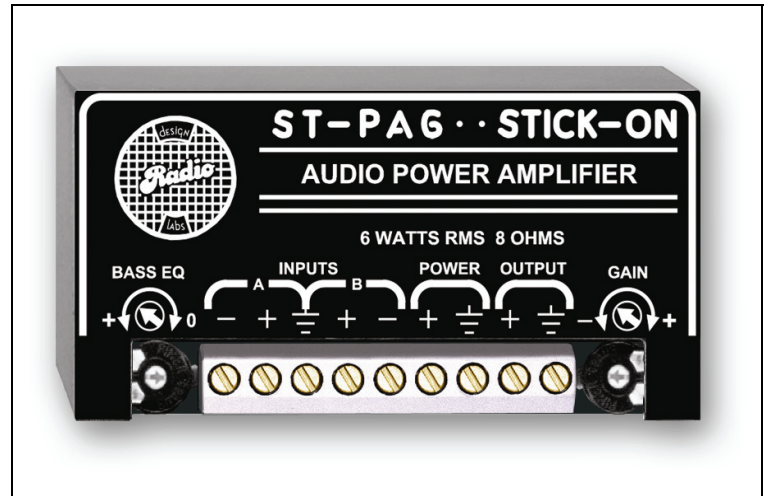
SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON[®] SERIES

Model ST-PA6

Audio Power Amplifier

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



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! STICK-ONS are designed, built and rated for continuous duty in professional A/V systems.

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. Use the ST-PA6 individually, or combine it with other products as part of a complete audio/video system.

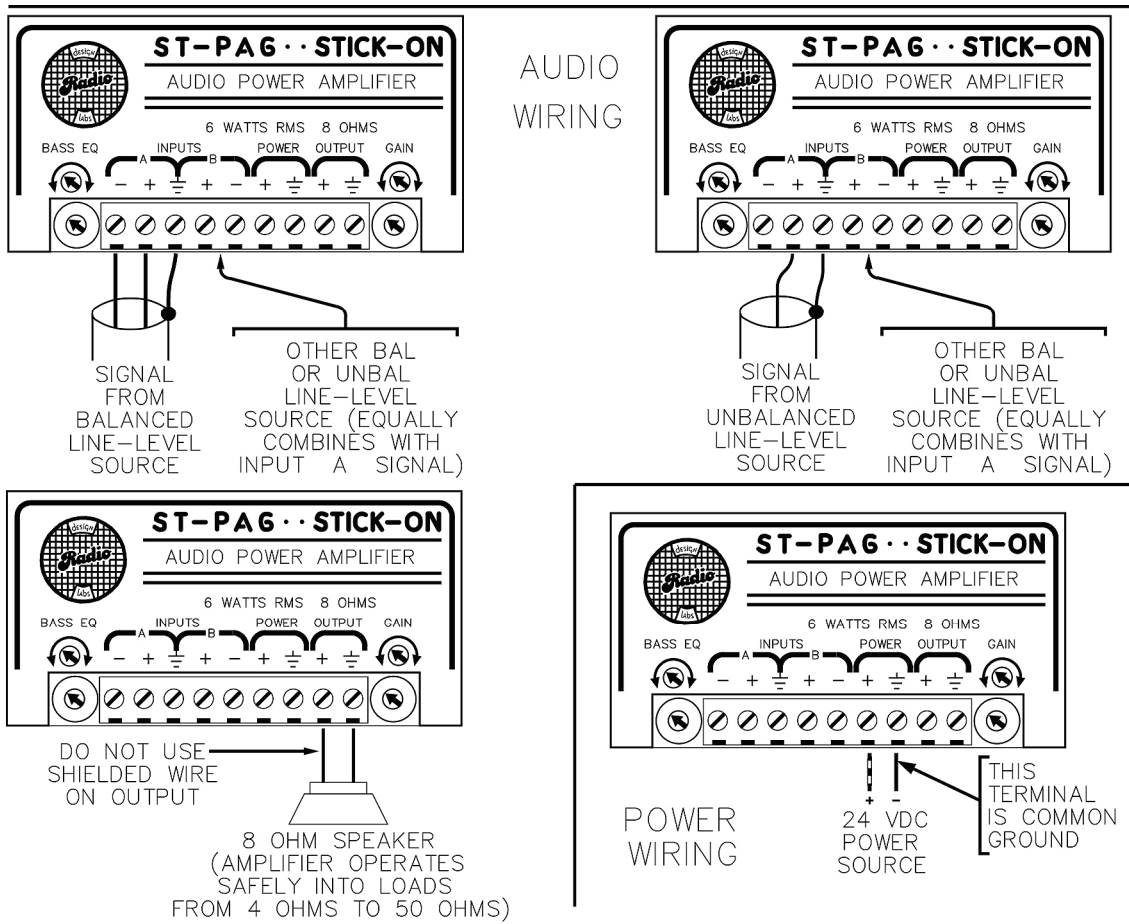
STICK-ON[®] SERIES

Model ST-PA6

Audio Power Amplifier

Installation/Operation

CE 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.



TYPICAL PERFORMANCE

| | |
|-------------------------------------|---|
| Inputs (2): | 100 k Ω balanced (may be wired unbalanced, inputs equally combined) |
| Input Level: | 400 mV (RMS) minimum (for rated power output) |
| Freq. Response: | 35 Hz to 20 kHz (\pm 1.5 dB w/EQ setting flat) |
| Equalization (Single-turn trimmer): | Flat to +5 dB @ 60 Hz (center frequency of boost) Flat to +4 dB @ 100 Hz Flat to +3 dB @ 120 Hz |
| THD+N: | < 0.35% |
| Noise: | < -60 dB |
| Output: | 8 Ω unbalanced, 6 watts RMS |
| Ambient Operating Environment: | 0° C to 40° C |
| Power: | 24 Vdc @ 400 mA, Ground referenced |