

## STICK-ON<sup>®</sup> SERIES

### Model ST-PA2

### Utility Power Amplifier

- Up to 2 Watts RMS into 8  $\Omega$
- Up to +12 dBu into 600  $\Omega$
- Quality Utility Amplifier
- Intercom Driver
- Music-On-Hold Driver



The ST-PA2 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-PA2 gives you the advantages of a utility 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-PA2 features a single, unbalanced audio input, a gain control, and two outputs. The first output is designed to deliver a clean 2 Watts RMS into an 8  $\Omega$  speaker. The second output is intended to drive 600  $\Omega$  transformers, typically on equipment inputs. This makes the ST-PA2 uniquely suited applications such as music-on-hold inputs on telephone systems, which may have either 8  $\Omega$  or 600  $\Omega$  inputs. If desired, both outputs may be used at the same time. The output stage includes automatic circuitry to protect the unit from potential damage due to output over-current, overheating or a short-circuit.

The convenience and low cost of the ST-PA2 make it the ultimate choice as a building block in many systems, from simple to complex. It may be used in combination with other STICK-ONS to form custom intercoms or talk-back systems, or can be used by itself to drive a single speaker with music or voice. For either straightforward or creative applications requiring a utility power amplifier, the ST-PA2 is the optimum choice!

Note: The ST-PA2 is not intended to drive long 600  $\Omega$  audio lines or multiple equipment inputs. For these applications, see the STA-2A (stereo), the STA-1 (stereo), the STA-1M (mono), or the ST-DA3 (distributed). If balanced audio input is required, see the ST-PA6 audio power amplifier.

Wherever an audio amplifier is needed, the ST-PA2 is the ideal choice. Use the ST-PA2 individually, or combine it with other RDL products as part of a complete audio/video system.

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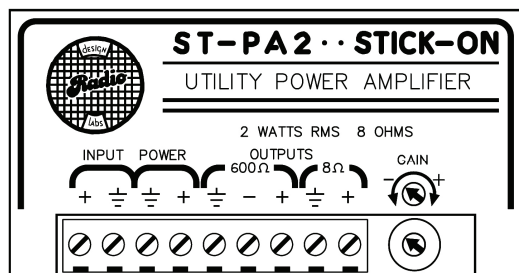
## Model ST-PA2

### Utility Power Amplifier

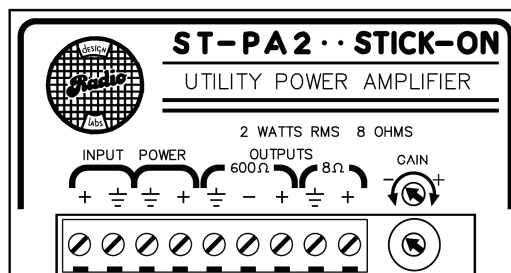
## Installation/Operation



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.

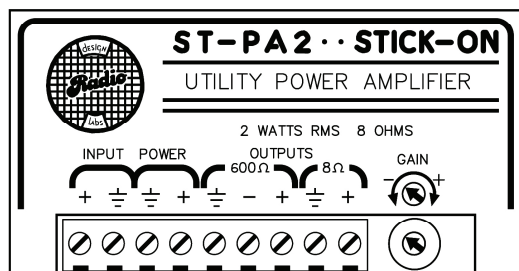


AUDIO  
WIRING



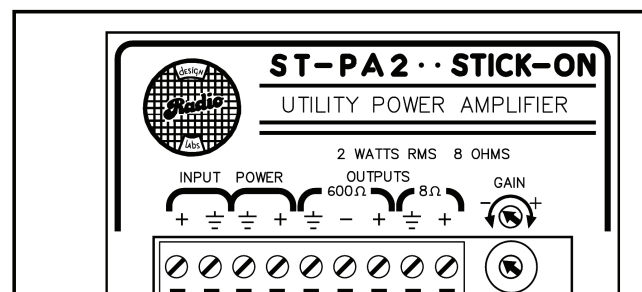
ADJUST LEVELS

THE 600 OHM OUTPUT IS NOT INTENDED AS A LONG LINE DRIVER. USE OTHER RDL PRODUCTS SUCH AS THE STA-2A, STA-1, STA-1M OR THE ST-DA3.



DO NOT USE SHIELDED WIRE ON OUTPUT

8 OHM SPEAKER (AMPLIFIER OPERATES SAFELY INTO LOADS FROM 4 OHMS TO 50 OHMS)



THIS TERMINAL IS COMMON GROUND

24 VDC POWER SOURCE

POWER WIRING

### TYPICAL PERFORMANCE

Input:	Unbalanced 10 kΩ
Input Level:	-15 dBV minimum (for rated power output) -20 dBV minimum (for 1 watt RMS into 8 Ω)
Frequency Response:	35 Hz to 30 kHz (8 Ω ± 1.5 dB) 20 Hz to 30 kHz (600 Ω ± 0.5 dB)
THD+N:	< 0.75% (0.5 % typical)
Noise:	< -80 dB (8 Ω @ 2 W RMS) < -70 dB (600 Ω, referred to +4 dBu)
Outputs (2):	1 @ 8 Ω, 2 watts RMS maximum 1 @ 600 Ω, +12 dBu maximum
Ambient Operating Environment:	0° C to 40° C
Power:	GROUND-REFERENCED, 24 Vdc @ 250 mA