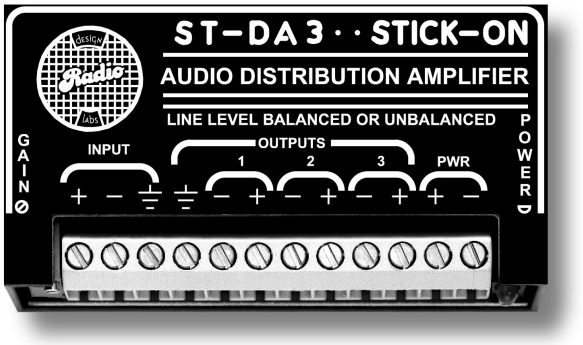
STICK-ON® SERIES

Model ST-DA3
Distribution Amplifier



ANYWHERE YOU NEED...

- Audio Distribution with Up To 3 Outputs
- Balanced or Unbalanced Input and Outputs
- To Bridge a Line for Local Distribution
- Distribution with Impedance Conversion
- Distribution with Gain or Loss

You Need The ST-DA3!

The ST-DA3 is part of the group of versatile STICK-ON products from Radio Design Labs, featuring the advanced circuitry for which RDL products are known. The durable adhesives provided with the ST-DA3 permit permanent or detachable mounting. Numerous mounting accessories, brackets and rack-mount chassis are optionally available to facilitate any system design.

APPLICATION: The ST-DA3 allows the bridging of any audio line, adjusting the gain, and driving up to three outputs. Each output is driven by a separate amplifier, and is isolated from both the input and from the other outputs. The circuit design allows the input to accept either balanced or unbalanced signals, of either high or low impedance. And each output may be connected either balanced or unbalanced. The ST-DA3 features all dc circuitry which produces the unsurpassed pure clarity for which RDL products are known! Some features are:

- No capacitors in the audio circuits
- Functions as an electronic transformer
- Provides isolation, gain, and three outputs
- True dc amplifiers produce impeccable audio
- Ultra-low distortion and noise
- Output level adjustable from OFF to 20 dB gain
- Ample headroom at operating level
- Recessed multiturn gain trimmer for precise control
- Input and outputs are RF bypassed
- Full operation in either high or low impedance circuits
- Outputs are short circuit protected
- Positive connections via barrier block

RDL® Radio Design Labs®

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

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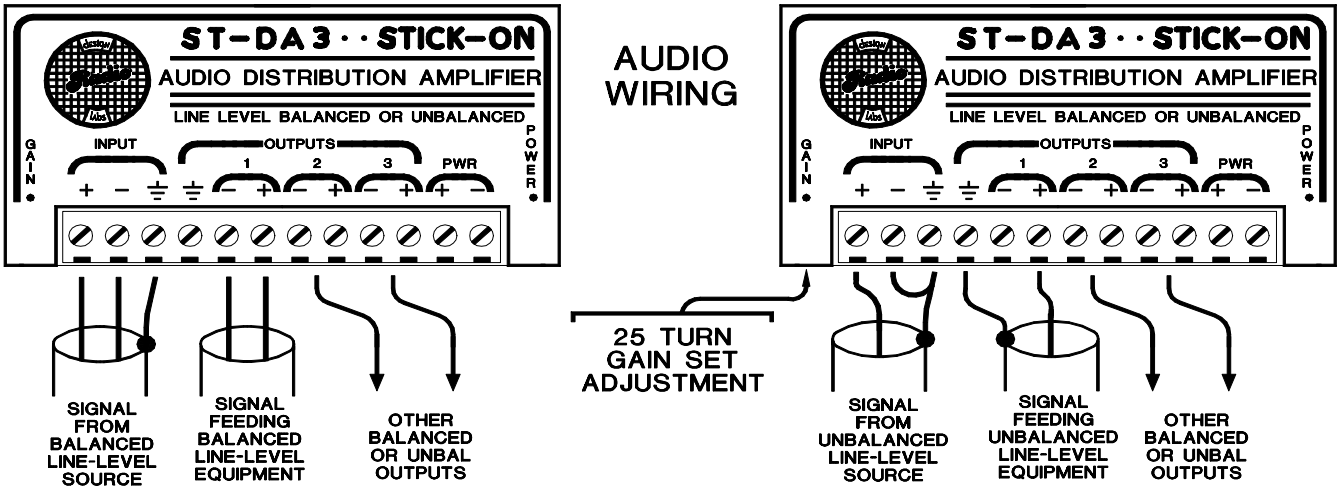
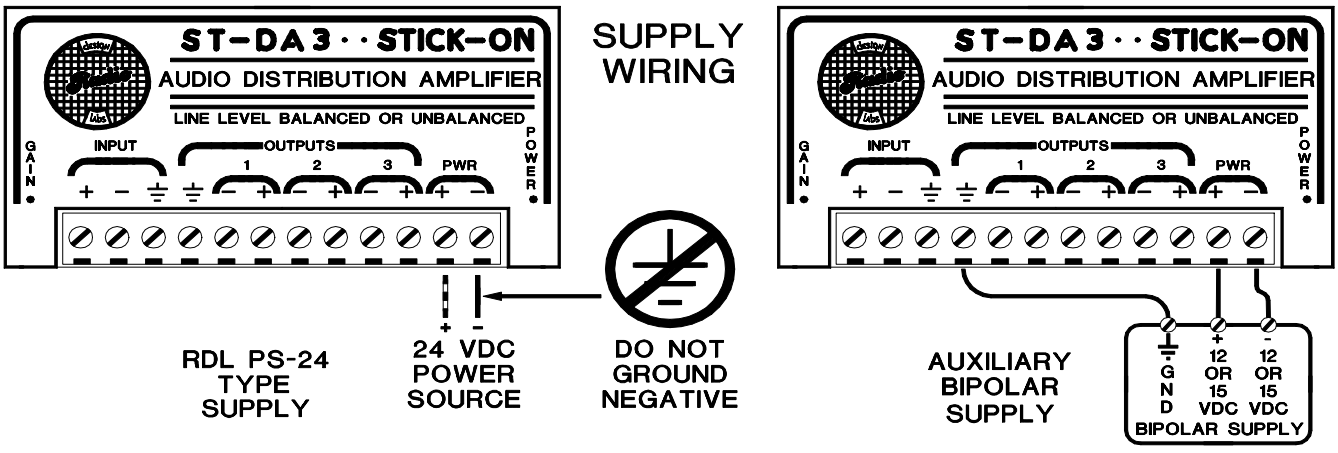
Installation/Operation

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

Input:	10 kΩ balanced or unbalanced bridge
Input Signal:	-18 dBu to +28 dBu (for +4 dBu output)
Output:	300 Ω to drive low or high impedance, balanced or unbalanced lines
Output Signal:	
Balanced:	+4 dBu nominal;
Unbalanced:	6 dB below balanced line level
Number of Outputs:	3
Frequency Response:	10 Hz to 30 kHz (+/- 0.25 dB)
	10 Hz to 45 kHz (+/- 0.50 dB)
THD+N:	0.030% high impedance load
	< 0.015% 600 Ω load (10 Hz to 30 kHz)
Power Bandwidth:	85 kHz
Noise below +4 dBu:	< -75 dB high impedance load
	< -80 dB 600 Ω load
Headroom:	18 dB (above +4 dBu)
Gain:	Off to 20 dB gain (adjustable)
CMRR:	-65 dB @ 60 Hz
Indicator:	Red LED power indicator
Power Requirement:	24 to 33 Vdc @ 70 mA, Floating
Dimensions:	Width: 3.00 in. 7.62 cm
	Depth: 1.55 in. 3.94 cm
	Height: 0.65 in. 1.65cm

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