



**RDL**<sup>®</sup>  
Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

## RACK-UP<sup>®</sup> SERIES

### Model RU-UDA4 Unbalanced Audio Distribution Amplifier

#### ANYWHERE YOU NEED...

- Stereo Unbalanced Audio Distribution
- Unity Gain on Both Channels
- 4 Outputs per Channel
- Standalone or Rackmount
- Exceptional Audio Performance
- 1/3 Rack, High-Density Rack Mounting



#### ***You Need The RU-UDA4!***

The RU-UDA4 is part of the group of RACK-UP products from Radio Design Labs. RACK-UPS feature the advanced circuitry for which RDL products are known, combined with accessible user-friendly controls and displays. The ultra compact design permits high-density installations, with *three* products mounted in a single rack unit! Single RACK-UPS can be mounted right where they are needed using the adhesive mounting method popularized by RDL's STICK-ON<sup>®</sup> series of products. Optional brackets permit mounting a RACK-UP module above, below, or in front of any flat surface!

**APPLICATION:** The RU-UDA4 is the optimum choice where connectorized, unbalanced line level distribution is needed. This unit features two separate, isolated channels. The RU-UDA4 may be used in stereo applications, or as two individual monaural distribution amplifiers. The input signals are buffered through output line drivers, providing 4 separate line-level unbalanced outputs for each of the two inputs.

The RU-UDA4 performance is tailored around industry-standard, -10 dBV input/output levels. Excellent frequency response, phase response, distortion and low noise performance combine to produce the audio clarity and precision for which RDL products are well known.

Standard phono input and output connectors are firmly attached to the steel front panel for superior mechanical integrity. The 24 Vdc power supply input is on full-size barrier block connections on the rear panel. The RU-UDA4 may be operated on 12 Vdc with a decrease in headroom.

The RU-UDA4 is the ideal companion to RDLs RU-VDA4 Video Distribution Amplifier in video facilities where unbalanced audio is used. In any facility where the ultimate in superior audio clarity, reliability, compactness and unsurpassed versatility are desired, the RU-UDA4 is the ideal choice.



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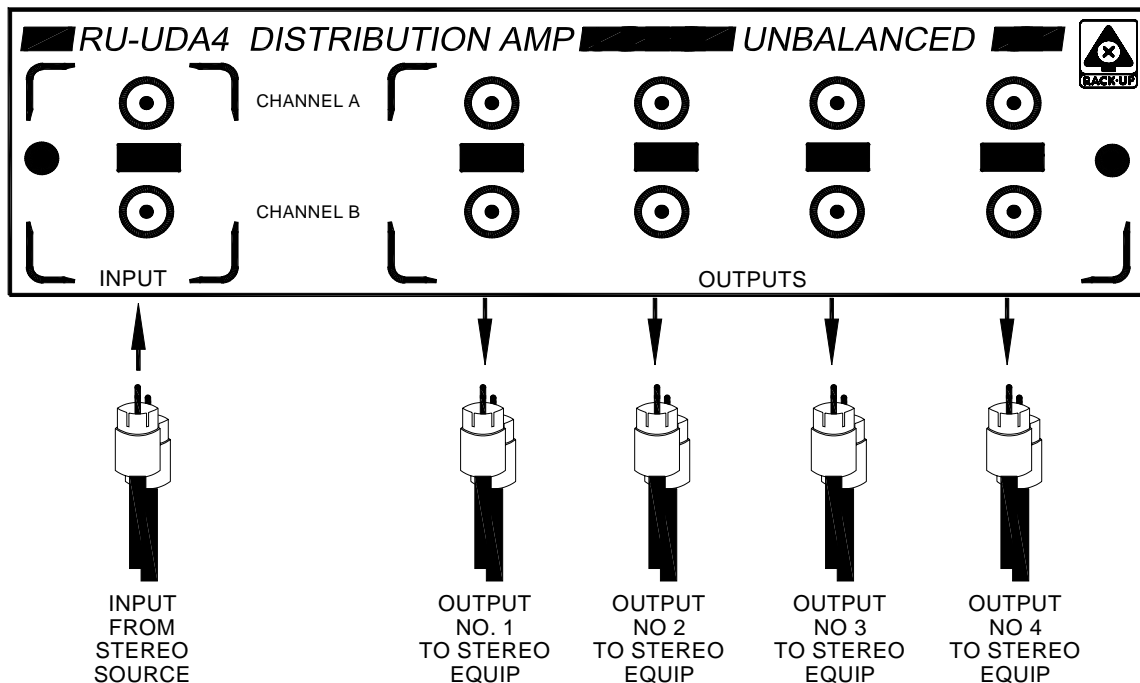
## RACK-UP<sup>®</sup> SERIES

### Model RU-UDA4 Unbalanced Audio Distribution 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.



**POWER CONNECTION:** Connect a single-ended 24 Vdc power source to the **+24VDC** terminal. Connect the ground return from that supply to the adjacent ground terminal. Power supply and circuit grounds are common. Note that 12 Vdc power may be used with a reduction in operating headroom.

#### TYPICAL PERFORMANCE

Input Connectors (2):	Phono jacks
Input Impedance:	10 k $\Omega$ unbalanced
Output Connectors (8):	Phono jacks (4 per channel)
Output Impedance:	100 $\Omega$ unbalanced
Channels (2):	Left & Right; may be used independently as 2 separate mono amplifiers
Frequency Response:	5 Hz to 50 kHz (+/- 0.5 dB)
THD+N:	< 0.020%
Noise:	< -90 dB (below -10 dBv)
Crosstalk:	< -90 dB @ 1 kHz; < -80 dB @ 10 kHz; < -75 dB @ 20 kHz
Headroom:	> 28 dB
Supply Input:	24 to 33 Vdc @ 25 mA, Ground referenced (12 Vdc with reduced headroom)
Mounting:	Rack-mount using any one of several rack mount chassis accessories or other mounting accessories listed in the short form catalog or product CD-ROM.
Dimensions:	Height: 1.7 In. 4.3 cm Length: 5.8 In. 15.0 cm Depth: 2.0 In. 5.1 cm (case only) 2.5 In. 6.4 cm (including barrier block)

#### Radio Design Labs Technical Support Centers

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