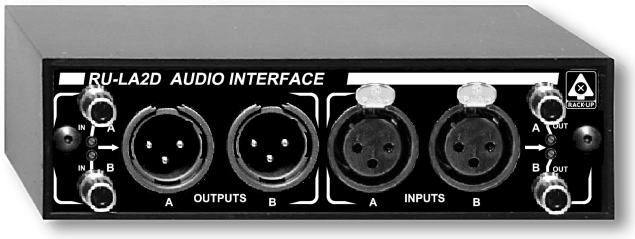
RDL® Radio Design Labs®

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

RACK-UP® SERIES

Model RU-LA2D
IHF-PRO Interface



ANYWHERE YOU NEED...

- Unparalleled Audio Performance
- Stereo Balanced/Unbalanced Conversion
- Connectorized Audio Interface
- Balanced Connections Available on Rear
- Bi-Directional Audio Interface
- Gain Adjustments for Both Directions

You Need The RU-LA2D!

The RU-LA2D 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® series of products. Optional brackets permit mounting a RACK-UP module above, below, or in front of any flat surface!

APPLICATION: The RU-LA2D is the ideal choice in every application where bi-directional, connectorized conversion is desired between balanced and unbalanced audio equipment. The RU-LA2D has been carefully engineered in meticulous detail to provide the ultimate audio interface package available. Excellent frequency response, phase response and distortion performance is supplemented by exceptional stereo separation and crosstalk across the entire audio spectrum. Such scrupulous attention to design detail results in the audio clarity and precision for which RDL products are well known.

UNBALANCED TO BALANCED conversion is based on industry standard –10 dBV to +4 dBu levels, with multi-turn trim-pots providing front-panel gain adjustment from 6 dB to 18 dB. Inputs are on standard phono jacks; outputs are on the front-panel XLR connectors and also on a full-sized barrier block on the rear panel.

BALANCED TO UNBALANCED conversion is based on industry standard +4 dBu to -10 dBV levels, with multi-turn trim-pots providing front-panel adjustment from –3 dB to –20 dB. Inputs are on the front-panel XLR connectors and also on a full-sized barrier block on the rear panel; outputs are on standard phono jacks.

AUDIO OUTPUTS (UNBALANCED TO BALANCED SECTION): The **+** and **-** balanced audio signals from the front panel XLR connectors are brought out to the rear panel. The ground pin (Pin 1) of each of these XLRs is also brought out to the rear barrier block, which the user may strap to the adjacent ground terminal, if desired. When rack-mounted, phono-plug-based equipment may be connected to the input, and the balanced result may be hardwired inside the rack. Both the output XLRs on the front and the rear terminals are active at all times.

AUDIO INPUTS (BALANCED TO UNBALANCED SECTION): The **+** and **-** balanced audio signals from the front-panel XLR connectors are brought out to the rear panel. When rack-mounted, phono-plug-based equipment may be connected to the front-panel outputs fed from the balanced hardwired inputs on the rear panel. Both the input XLRs on the front and the rear terminals are active at all times.

RACK-MOUNTING provides the opportunity to connect unbalanced equipment into the front while keeping balanced wiring inside the rack. All balanced wiring connections (outputs from balancing amp and inputs to unbalancing amp) are brought out to a full-sized barrier block on the rear panel.

When an audio interface is needed to provide superior audio clarity, user adjustments, reliability, compactness and unsurpassed versatility, the RU-LA2D is the ideal choice.

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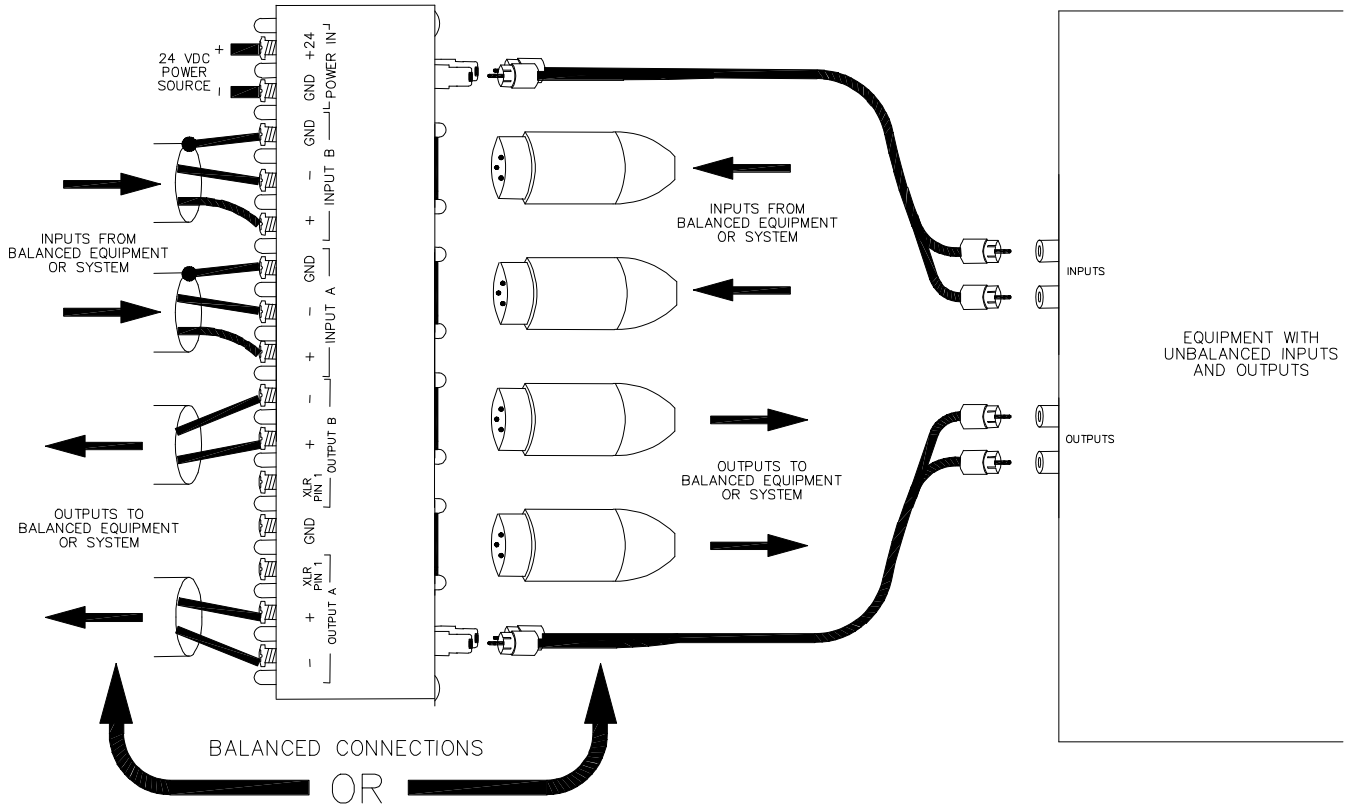
Installation/Operation

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

Unbalanced to Balanced Section
(Referred to -10 dBV input feeding +4 dBu)

Input Connector:	Phono Jack
Output Connector:	XLR and/or barrier block
Channels:	2 (left and right)
Frequency Response:	10 Hz to 30 kHz (+/- 0.25 dB) 10 Hz to 40 kHz (+/- 0.5 dB)
THD+N:	< 0.005%
Noise:	< -85 dB (below +4 dBu)
Crosstalk:	< -85 dB (10 Hz to 5 kHz) < -80 dB (10 Hz to 20 kHz)
Headroom:	> 18 dB

Balanced to Unbalanced Section
(Referred to +4 dBu input feeding -10 dBV)

Input connector:	XLR and/or barrier block
Output Connector:	Phono Jack
Channels:	2 (left and right)
Frequency Response:	10 Hz to 30 kHz (+/- 0.25 dB) 10 Hz to 40 kHz (+/- 0.5 dB)
THD+N:	< 0.005%
Noise:	< -90 dB (below -10 dBV)
Crosstalk:	< -85 dB (10 Hz to 10 KHz) < -80 dB (10 Hz to 20 KHz)
Headroom:	> 18 dB
Power:	24 to 33Vdc @ 50 mA, Ground-referenced
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)

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