RDL® Radio Design Labs

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

RACK-UP® SERIES

Model RU-OSC4A Sequencing Audio Oscillator

ANYWHERE YOU NEED...

- Automatic Reference Tones
- To Verify Audio System Response
- Manually Selectable Audio Tones
- Line-Level Audio Output
- Balanced/Unbalanced Output
- Gain Trim for Each Frequency

You Need The RU-OSC4A!

The RU-OSC4A is part of the group of versatile 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 methods 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. Optional rack-mount adapters and chassis are available for conventional RACK-UP series installation.

APPLICATION: The RU-OSC4A is the ideal choice in many installations where either manual and/or automatic audio reference tones are required. Output connections are made on the rear panel through clearly identified, full-size barrier block terminals.

The RU-OSC4A features four separate audio oscillators, operating at 100 Hz, 1 kHz, 7.5 kHz and 15 kHz. These frequencies provide quick, automatic verification of audio frequency response through a piece of equipment or an entire audio chain. A silent period between the 15 kHz tone and the 100 Hz tone provides time to verify system noise levels.

Audio switching in the RU-OSC4A is solid-state for optimum reliability and long-term, noise-free performance. No mechanical switching is used in the audio path. The RU-OSC4A powers up in the silent position (no frequency selected), and automatically begins sequencing. The on time duration for each tone is set using the RATE trimmer on the front panel. Automatic sequencing may be suspended indefinitely by momentarily pushing the HOLD button. Pushing the HOLD button again causes sequencing to resume. The next frequency is selected each time the HOLD button is pushed, thereby providing fully manual operation, if desired. The output level from each oscillator is front panel adjustable using a 25-turn trimming potentiometer.

Wherever audio frequency response needs to be checked, either manually or automatically, the RU-OSC4A offers a simple-to-operate, economical solution. Use the RU-OSC4A individually, or combine it with other RDL RACK-UP, STICK-ON®, TX™, or FLAT-PAK™ series products as part of a complete audio/video system.

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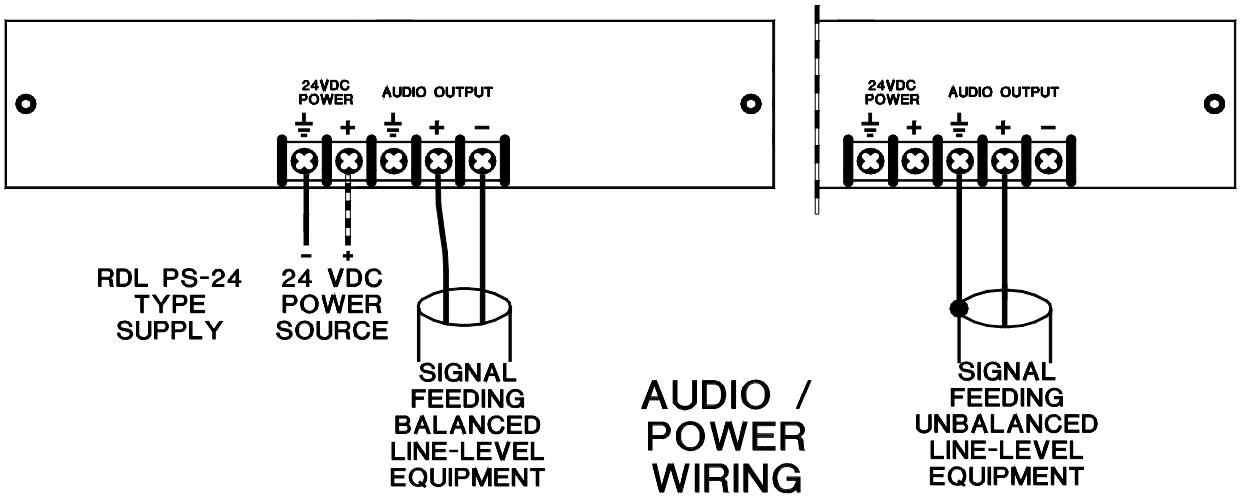
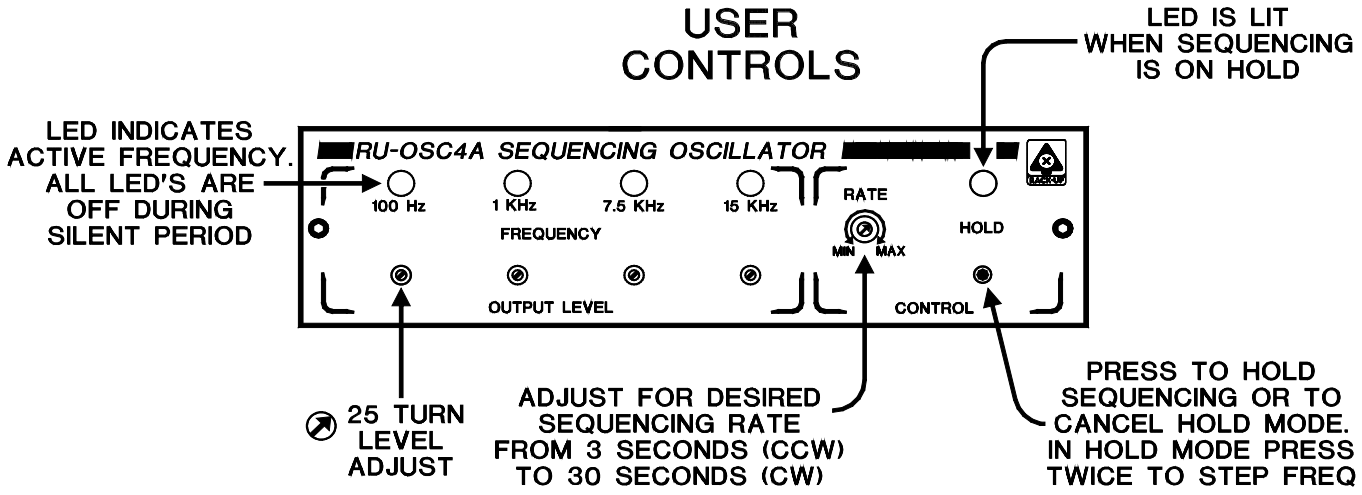
Installation/Operation

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

Frequencies:	100 Hz, 1,000 Hz, 7,500 Hz, 15,000 Hz
Output Level:	Each frequency individually adjustable OFF to +8 dBu
THD+N:	< 0.5% (1 kHz – 15 kHz); < 3% (100 Hz)
Off Residual Noise	< -75 dB (referred to +4 dBu)
Indicators:	Front panel LED indicating selected channel; **HOLD** LED to indicate suspended sequencing
Rate Control:	Sequencing rate front-panel adjustable 3 seconds to 30 seconds
Output:	1 balanced @ 150 Ω to drive high or low impedance balanced or unbalanced line
Power Requirement:	24 to 33 Vdc @ 75 mA, Ground-referenced

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