Rupert Neve Designs

RNDI-8

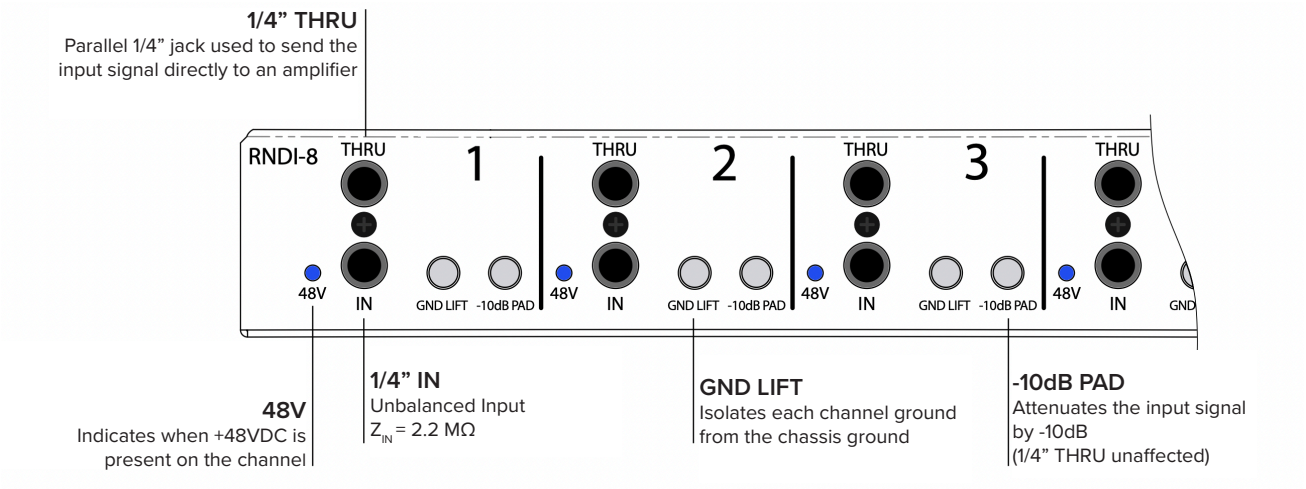
Eight Channel Active Transformer Direct Interface

RNDI-8 Specifications

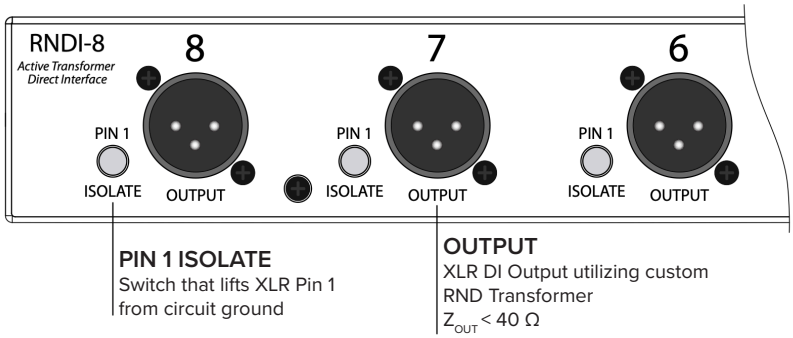
Note: All Specifications are typical

Noise (22Hz - 22kHz, Un-weighted)	Better than -110dBV
Input Impedance (Z_{IN})	
Instrument Input	2.2 Megohm
-10 dB PAD Engaged	200 Kilohm
Output Impedance (Z_{OUT})	Less than 40 Ohm
Frequency Response	
+/- 0.25 dB	28 Hz - 60 kHz
+/- 1dB	14 Hz - 90 kHz
-3dB	Below 5 Hz
Maximum Input Level	
Instrument Input	+20.5 dBu (8.2 Volts RMS) Typical
-10 dB PAD Engaged	+30.5 dBu (26 Volts RMS) Typical
Maximum Output Level	+11.5 dBu Typical
Total Harmonic Distortion + Noise	
@ 1 kHz, +20 dBu Input Level	0.25% Typical (2nd and 3rd Harmonic)
@ 1 kHz, -20 dBu Input Level	0.015% Typical (2nd and 3rd Harmonic)
@ 20 Hz, -20 dBu Input Level	0.75% Typical (2nd and 3rd Harmonic)
Power Requirements	4.5mA Per Channel @ +48VDC
19” Rack Mounting Option	1RU reversible bolt-on rack ears
Weights & Dimensions	
Product Dimensions (W x D x H)	19” (48.3 cm) x 8.125” (20.63 cm) x 1.75” (4.45 cm)
Shipping Dimensions (L x W x H)	24” (61 cm) x 13” (33 cm) x 4” (10.2 cm)
Shipping Weight	9 lbs (4.1 kg)

Front Panel



Rear Panel



RNDI-8 Overview

The RNDI-8 is comprised of eight isolated RNDI channels. It is designed to provide instrument direct injection (electric guitar, bass, keyboard, piezo pickup, etc). The discrete Class-A circuit topology found in the RNDI-8 is based around Mr. Rupert Neve’s custom transformers, resulting in outstanding sonic performance. Each channel of the RNDI-8 can handle input levels up to +20.5dBu without clipping, while the low impedance transformer-coupled output allows the RNDI-8 to drive long lines with minimal loss. The RNDI-8 chassis’ steel construction is designed to stand up to the rigors of stage and studio use.

Usage Notes

Power needs to be supplied independently to each channel of the RNDI-8 by standard 48V Phantom Power via the XLR output connectors. 48V Power Status is indicated by eight independent front panel LEDs. Avoid placing this direct box near strong electromagnetic fields (such as those radiated by power amplifiers) to reduce any chance of picking up noise. If there is noticeable hum on the RNDI-8 outputs, try engaging combinations of GND LIFT (located on the front panel) and PIN 1 ISOLATE (located on the rear panel) as well as ground lifts on other devices in the signal chain. If this doesn’t alleviate the issue, remove individual devices to isolate the source of the problem.

The RNDI-8 converts the high impedance, instrument level signals to a balanced, low impedance output which can be sent to a separate mic preamp. In addition, the 1/4” THRU jack is available to connect each channel of the RNDI-8 to an amplifier input. To guarantee the best performance, we recommend utilizing the best available cables and mic preamps.