

RNDI-8 Specifications

Input Impedance (Z_{IN})

Instrument Input
-10dB PAD Engaged

2.2 Megohm
200 Kiloohm

Output Impedance (Z_{OUT})

Less than 40 Ohms

Maximum Input Level @ 1kHz

Instrument Input
-10dB PAD Engaged

+21 dBu
+31 dBu

Maximum Output Level @ 1kHz

+11 dBu

Frequency Response (30 ft. output cable, 10k equivalent load)

+/- 0.25 dB
+/- 1dB
-3dB

28 Hz - 50 kHz
14 Hz - 90 kHz
5 Hz

Noise (Measured Output, Un-weighted BW 22Hz - 22kHz, Source Impedance 150 ohms)

Better than -110dBV

Total Harmonic Distortion + Noise (THD+N%)

@ 1 kHz, +20 dBu Input Level
@ 1 kHz, -20 dBu Input Level
@ 20 Hz, -20 dBu Input Level

0.35% Typical (2nd and 3rd Harmonic)
0.009% Typical (2nd and 3rd Harmonic)
0.9% Typical (2nd and 3rd Harmonic)

Power Requirements

Phantom Powered

4.5mA Per Channel @ +48VDC

19" Rack Mounting Option

1 RU reversible bolt-on rack ears

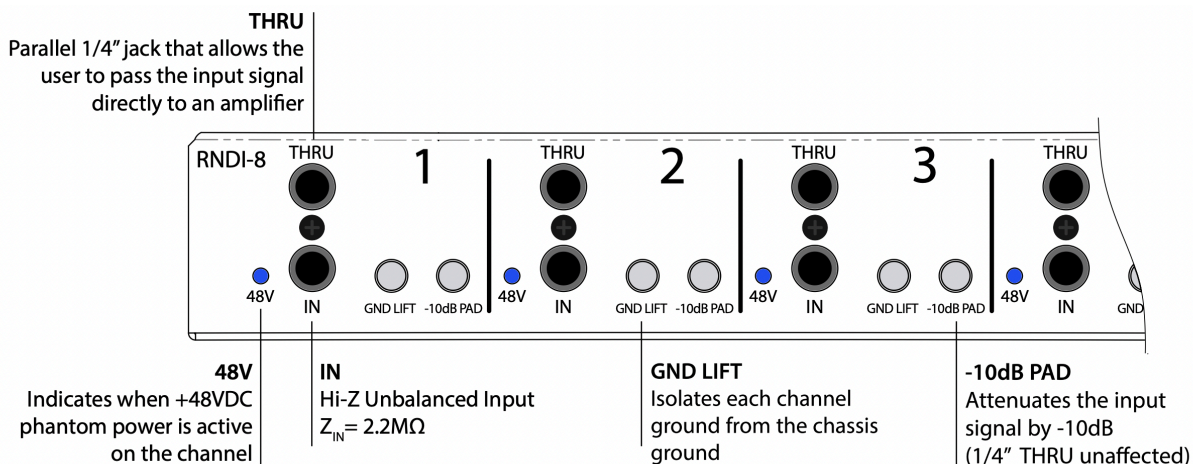
**All specifications are typical*

RNDI-8

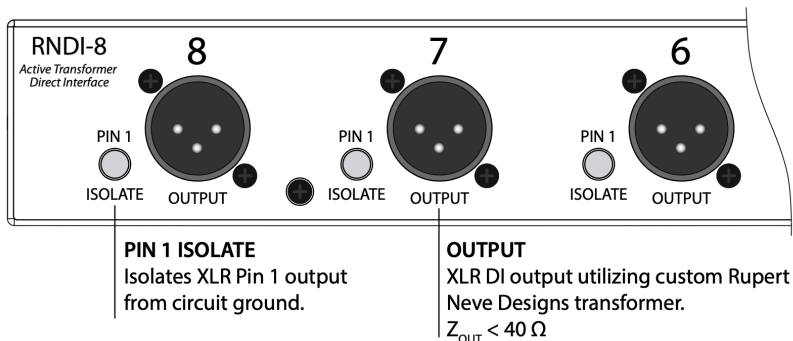
Eight Channel Active Transformer Direct Interface User Guide



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 +21dBu 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 you are experiencing 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 your 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.