

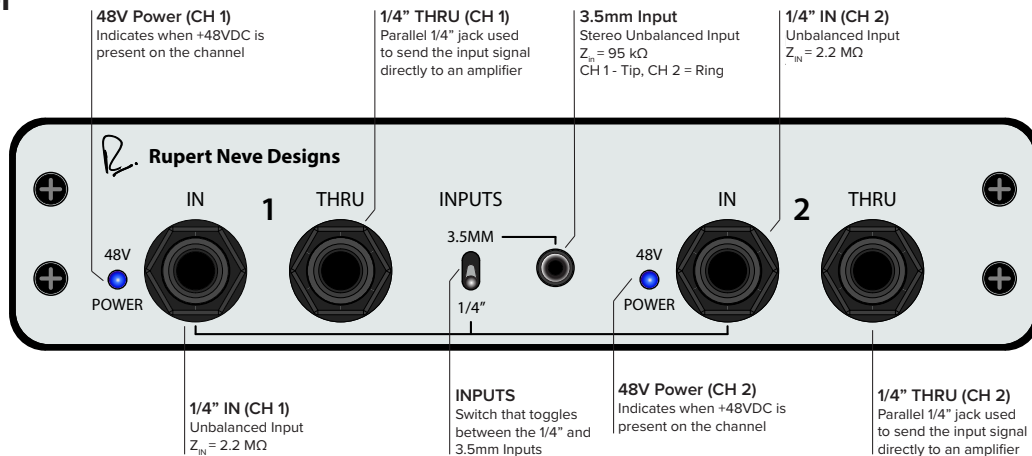


RNDI-S Specifications

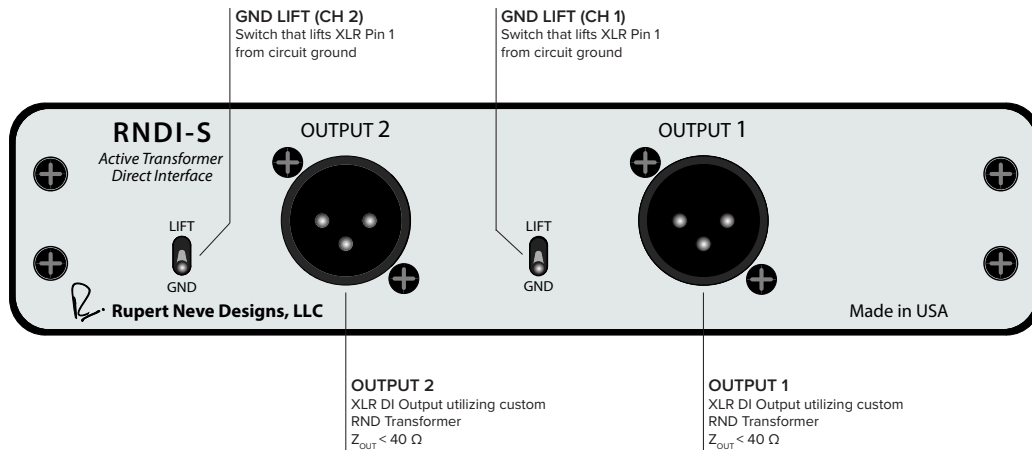
Note: All Specifications are typical

Noise (22Hz - 22kHz, Un-weighted)	Better than -110dBV
Input Impedance (Z_{IN})	
Instrument Input	2.2 Megohm
3.5mm Input	95 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
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
Mounting Option	19" Rack Shelf Mounting Option
	4 hole pattern (bottom of unit) for 6-32 machine screws
Weights & Dimensions	
Product Dimensions (D x W x H)	7" (17.78 cm) x 5" (12.7 cm) x 1.75" (4.45 cm)
Shipping Dimensions (L x W x H)	10" (25.4 cm) x 8" (20.32 cm) x 3" (7.62 cm)
Shipping Weight	3 lbs (1.36 kg)

Front Panel



Rear Panel



RNDI-S Overview

The RNDI-S is designed to provide instrument (electric guitar, bass, keyboard, piezo pickup, etc.) direct injection. The discrete Class-A circuit topology found in the RNDI-S is based around Mr. Rupert Neve's custom transformers, allowing for outstanding sonic performance and excellent noise rejection. The RNDI-S can handle extremely high input levels without clipping (up to +20.5 dBu), and the transformer-coupled output has a low impedance of less than 40 Ohms, thereby allowing the RNDI-S to drive long lines with minimal loss. The RNDI-S chassis is a formed steel "clamshell" construction designed to stand up to the rigors of stage and studio use.

Usage Notes

Power needs to be supplied independently to both channels of the RNDI-S by standard 48V Phantom Power via the XLR output connectors. 48V Power Status is indicated by two 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-S outputs, try switching the RNDI-S ground lifts as well as ground lifts on other devices in the signal chain. If this doesn't alleviate the issue, remove individual devices from the same power circuit to isolate the source of the problem.

The RNDI-S has two available sets of inputs: the 1/4" unbalanced instrument jacks and the 3.5mm Stereo unbalanced jack. A front panel switch selects the 1/4" instrument jack or the 3.5mm jack input. In the instrument jack configuration, the DI converts the impedance of the instrument signal, balances the signal, and provides a buffered output to send to a separate mic preamp. In addition, the 1/4" THRU jack is available to connect the RNDI-S to an amplifier. To guarantee the best performance, we recommend utilizing the best available cables and mic preamps.

The 3.5 mm Stereo unbalanced jack is available for 3.5mm stereo sources, which connects the left channel (Tip) to CH 1 and the right channel (Ring) to CH 2. 3.5mm sources will surely benefit from the balancing functionality included in the RNDI-S.