



Rupert Neve Designs RNDI-M Active Transformer Direct Interface User Guide

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Rupert Neve Designs RNDI-M Active Transformer
Direct Interface User Guide



RNDI-M
Compact Active Transformer Direct Interface



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RNDI-M Specifications

Note: All Specifications are typical

Noise (22Hz – 22kHz, Un-weighted)

Input Impedance (Z_{IN})

Output Impedance (Z_{OUT})

Frequency Response +/- 0.25 dB +/- 1dB -3dB

Maximum Input Level

Maximum Output Level

Total Harmonic Distortion + Noise @ 1 kHz, +20 dBu Input Level @ 1 kHz, -20 dBu Input Level @ 20 Hz, -20 dBu Input Level

Power Requirements

Weights & Dimensions Product Dimensions (D x W x H) Shipping Dimensions (L x W x H) Shipping Weight

Better than -110dBV 2.2 Megohm

Less than 40 Ohm

28 Hz – 60 kHz 14 Hz – 90 kHz

Below 5 Hz +20.5 dBu (8.2 Volts RMS) Typical

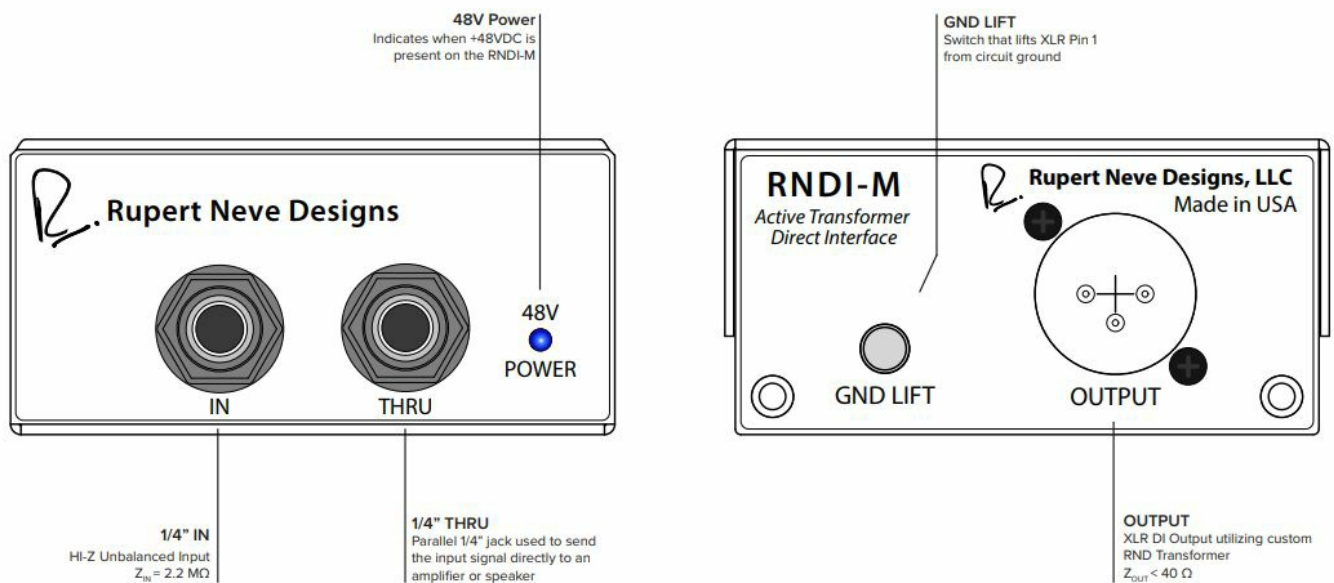
+11.5 dBu Typical

0.25% Typical (2nd and 3rd Harmonic) 0.015% Typical (2nd and 3rd Harmonic)

0.75% Typical (2nd and 3rd Harmonic) 4.5mA @ +48VDC

3.25" (8.25 cm) x 4.75" (12.1 cm) x 1.75" (4.45 cm) 4.125" (10.5 cm) x 5.125" (13 cm) x 2" (5.1 cm) 1.25 lbs (0.57 kg)

Front & Rear Panel



RNDI-M Overview

The RNDI-M is designed to provide instrument (electric guitar, bass, keyboard, piezo pickup, etc.) direct injection. The discrete Class-A circuit topology found in the RNDI-M is based around Mr. Rupert Neve's custom transformers, allowing for outstanding sonic performance and excellent noise rejection. The RNDI-M 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 to drive long lines with minimal loss. The RNDI-M chassis is a compact, rugged steel design that will stand up to the rigors of stage and studio use.

Usage Notes

Power is supplied to the RNDI-M by standard 48V Phantom Power via the XLR output connectors. 48V Power

Status is indicated by the blue LED on the front panel. 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-M output, try switching the RNDI-M ground lift 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-M has one 1/4" input, one 1/4" THRU output and one custom RND transformer-balanced XLR output. The RNDI-M converts the impedance of the input signal, balances it, and then buffers the output to send to a separate Mic Preamp, while also splitting the input to the THRU in the case the input signal also needs to be sent to an amplifier. To get the best overall performance we recommend using the highest-quality cables and mic preamps, as well as providing the maximum output level of the instrument source to the RNDI-M.

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Documents / Resources

 <p>RNDI-M Specifications RNDI-M is a high quality, transformer balanced, active direct interface. It features a 1/4" input, a 1/4" THRU output, and a custom RND transformer-balanced XLR output. The RNDI-M converts the impedance of the input signal, balances it, and then buffers the output to send to a separate Mic Preamp, while also splitting the input to the THRU in the case the input signal also needs to be sent to an amplifier. To get the best overall performance we recommend using the highest-quality cables and mic preamps, as well as providing the maximum output level of the instrument source to the RNDI-M.</p>	<p>Rupert Neve Designs RNDI-M Active Transformer Direct Interface [pdf] User Guide RNDI-M, RNDI-M Active Transformer Direct Interface, RNDI-M, Active Transformer Direct Interface, Transformer Direct Interface, Direct Interface, Interface</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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