

Common Source Devices

In addition to being able to drive a wide variety of headphones without sacrificing performance, the RNHP is also capable of receiving a wide array of signals with its 3 separately calibrated inputs. Here are some common examples:

"A" +4dBu Line (XLR or TRS) Devices

Studio Audio Interfaces (Line or Monitor Out)
Headphone Mixers (Line Output or send low level HP out)
Mixing Consoles (Line or Monitor Out)
Professional Turntable Mixers (Line or Monitor)
Professional Stereo Digital to Analogue Converter
Professional Cameras
Studio Monitor Controller

"B" RCA Devices

CD Players / DVD Players
Stereo Tuners
Preamplified Turntables
Prosumer Recording Devices / Cameras

"C" 3.5mm Stereo Devices

Phones
Mobile Music Players
Computers
DSLR Cameras
Handheld Recording Devices
Any 3.5mm headphone output

Maximum Input Levels

XLR I/P: +22.8 dBu @1kHz, RCA I/P: +14.7dBu @1kHz, 3.5mm I/P: +3.3dBu @1kHz

Output Power:

As measured with headphones, $Z=44 \Omega$: 3.617 VAC RMS @1kHz = 300mW RMS

Total Harmonic Distortion

0.002% Typical, .005% Worst Case with minimum load and maximum output

Output Impedance

.08 Ω @ 1KHz, 16-150 Ω load, 0dBu input

Frequency Response

+/- .2dB from 10Hz to 120KHz

Noise

With typical headphones, $Z=44 \Omega$, BW 22Hz – 22kHz

XLR Input: -101.9dBV, RCA Input: -100.9dBVdBu, 3.5mm Input: -88.8dBV

Power Supply Requirements

24VDC @ 0.25Amp (6 watt) minimum. Use with supplied power adapter, as this has been carefully selected for best output power and noise performance

RNHP:

Precision Headphone Amplifier

User Guide

RUPERT NEVE DESIGNS



