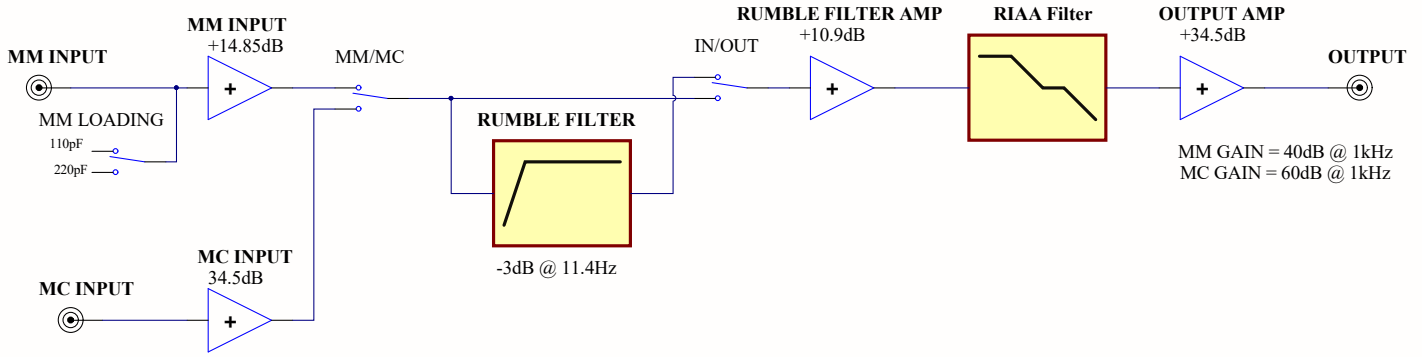
Block Diagram



Fidelice: 7566

Precision Phono Preamplifier

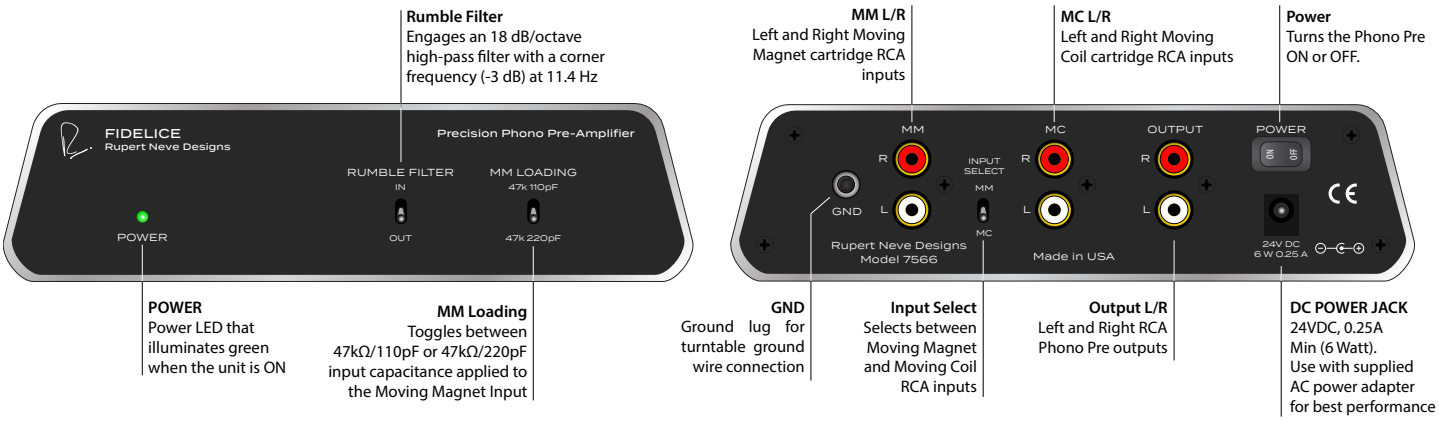
User Guide

RUPERT NEVE DESIGNS

Fidelice 7566: Precision Phono Preamplifier

Thank you for purchasing the 7566 Fidelice Precision Phono Preamplifier. Everyone at Rupert Neve Designs hopes that you enjoy using this tool as much as we have enjoyed designing and building it.

Front / Back Panel



7566 Overview

The 7566 is a Phono preamplifier intended for Moving Magnet and Moving Coil cartridge signals. It features purpose-designed low-noise discrete JFET input Class A amplifiers throughout the signal path, a passive RIAA filter with low-tolerance components and an optional 18dB/octave Rumble Filter with a corner frequency at 11.4Hz.

RIAA accuracy	< +/-0.15 dB typical from 20 Hz to 31.5 kHz
Frequency Response	< -0.2 dB @ 10 Hz
	< -1 dB @ 120 kHz
Stereo Matching	< 0.15 dB typical from 10 Hz to 22 kHz
Power consumption	2.04 W (24V, 0.085A)
Maximum Output Level	17.6 dBV, 19.86 dBu, 7.62 Vrms
Moving Magnet (Z_{SOURCE} = 20 Ω Unbalanced, BW: 22Hz - 22kHz)	
Input Impedance:	47 kΩ, 110 pF / 220 pF
Gain:	40 dB @ 1 kHz
Noise:	-82 dBV
Equivalent Input Noise:	-122 dBV
Signal-to-Noise Ratio:	77 dB
Dynamic Range:	99.6 dB
Crosstalk	-88 dB @ 10 kHz
THD+N (Input: 5mV_{RMS} @ 1 kHz)	0.017%
Moving Coil (Z_{SOURCE} = 20 Ω Unbalanced, BW: 22Hz - 22kHz)	
Input Impedance:	100 Ω, 220 pF
Gain:	60 dB @ 1 kHz
Noise:	-70 dBV
Equivalent Input Noise:	-130 dBV
Signal-to-Noise Ratio:	64 dB
Dynamic Range:	87.6 dB
Crosstalk	-85 dB @ 10 kHz
THD+N (Input: 500μV_{RMS} @ 1 kHz)	0.08%