

ZEN Phono 3 Tech Lowdown



ZEN Phono

A Perfect Match for Your Cartridges



72dB



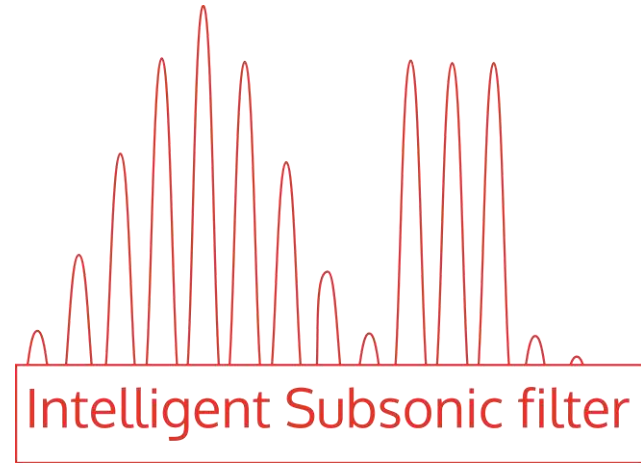
Supports four MM/MC gain selections from 36-72dB and four input impedance settings, ensuring optimum compatibility with a **wide range of cartridges**.

MM/MC-High: **47k Ω , 100/200pF**

MC-Low/V-Low: **100/400/1k Ω**

Combats Warped Records Intelligently

Features an **intelligent subsonic filter** designed to effectively remove ultra-low frequencies caused by warps, unlike typical bass-reducing filters.

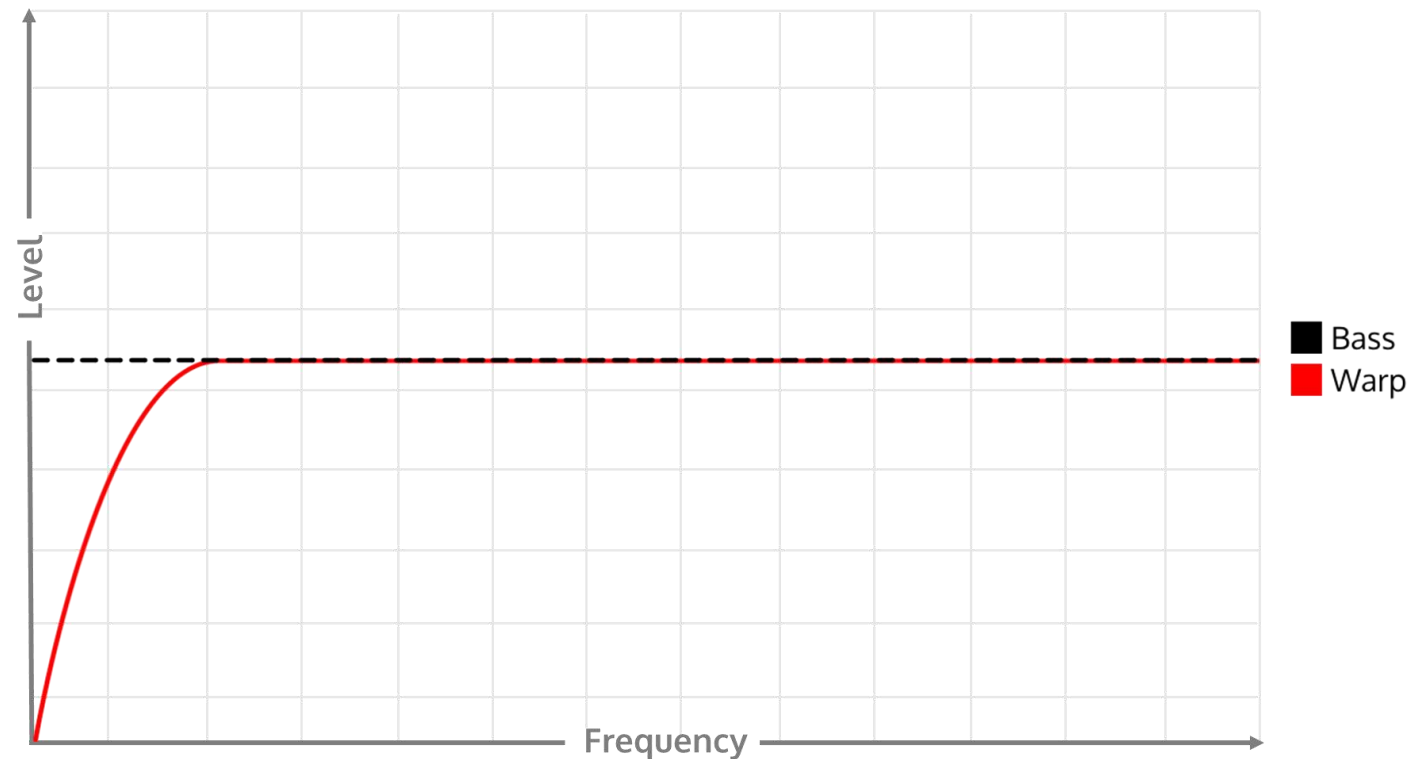


Subsonic Filter Frequency Response

Normal subsonic filters aren't intelligent.

They're typically hated by audiophiles because they filter out the rumble from warped records – but also filter out the bass.

Our intelligent subsonic filter knows the difference between the two, and **only filters the warp**, leaving the song intact.



Rivals \$1,000 Phono Amplifiers

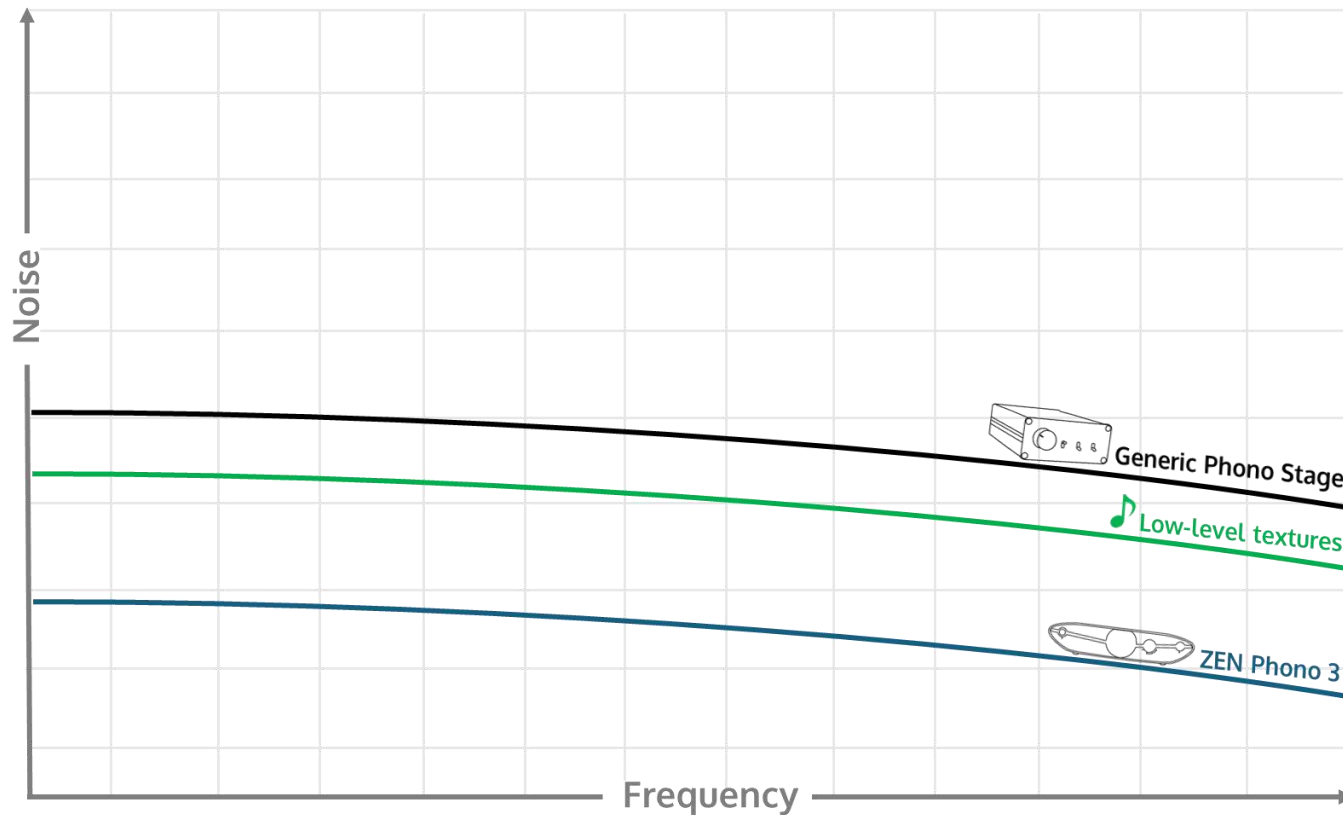


-151dBV

Equivalent Input Noise

Boasting a super-silent noise floor with an EIN (Equivalent Input Noise) of -151dBV, ZEN Phono 3 surpasses some Class A+ models by 20dBV.

Noise Floor Comparison Chart



The noise floor of a typical phono stage is noticeable. This is because it sits **above** the level of the low-level textures and detail of the music.

It gets in the way of the song.

The ZEN Phono 3 is **distinctly different**.

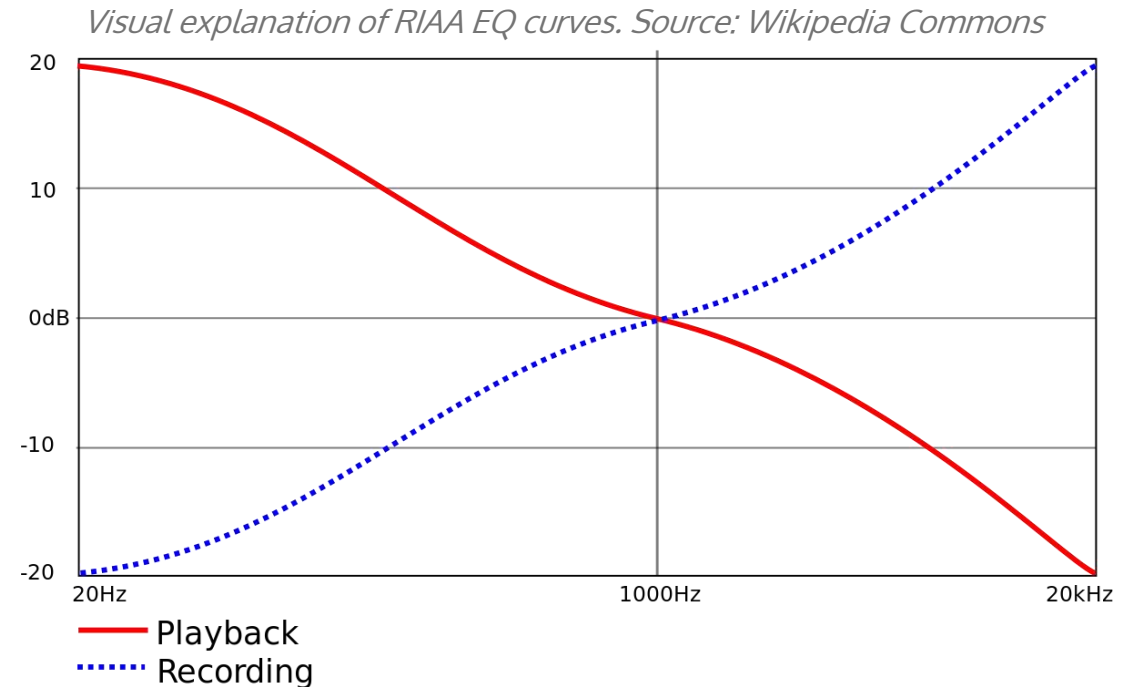
Hear your music as it was meant to be heard;- without the noise you associate with vinyl records.

Exacting RIAA Equalisation

Hear Your Record Properly

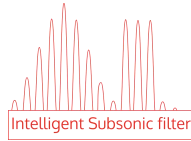
Most records are recorded with an Inverse RIAA (Recording) Equalisation that needs to be **undone** on playback.

ZEN Phono 3's RIAA playback equalisation curve is within a staggering $\pm 0.15\text{dB}$ tolerance – allowing for **truthful, accurate music playback**.



Key Features

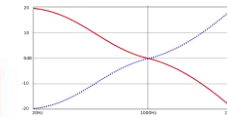
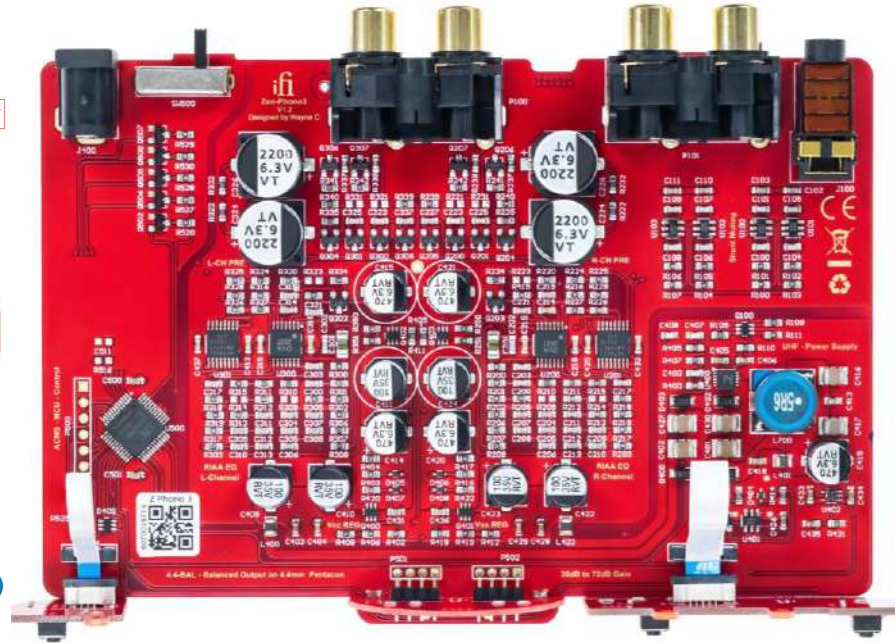
Intelligent subsonic filter that removes LP warp without removing low end



-151dBV measured **Equivalent Input Noise**. 20dBV quieter than some Stereophile Class A+

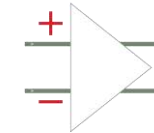
-151dBV

High precision, (1.2MHz) high-current power supply controller

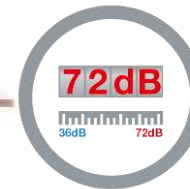


Precise RIAA EQ with +/- 0.15dB tolerance from 20Hz-20kHz

Balanced



4.4mm balanced and RCA line outputs



36-72dB gain range and load impedance adjustment button to support a range of cartridges

ZEN Phono 3 vs. ZEN Phono Looks

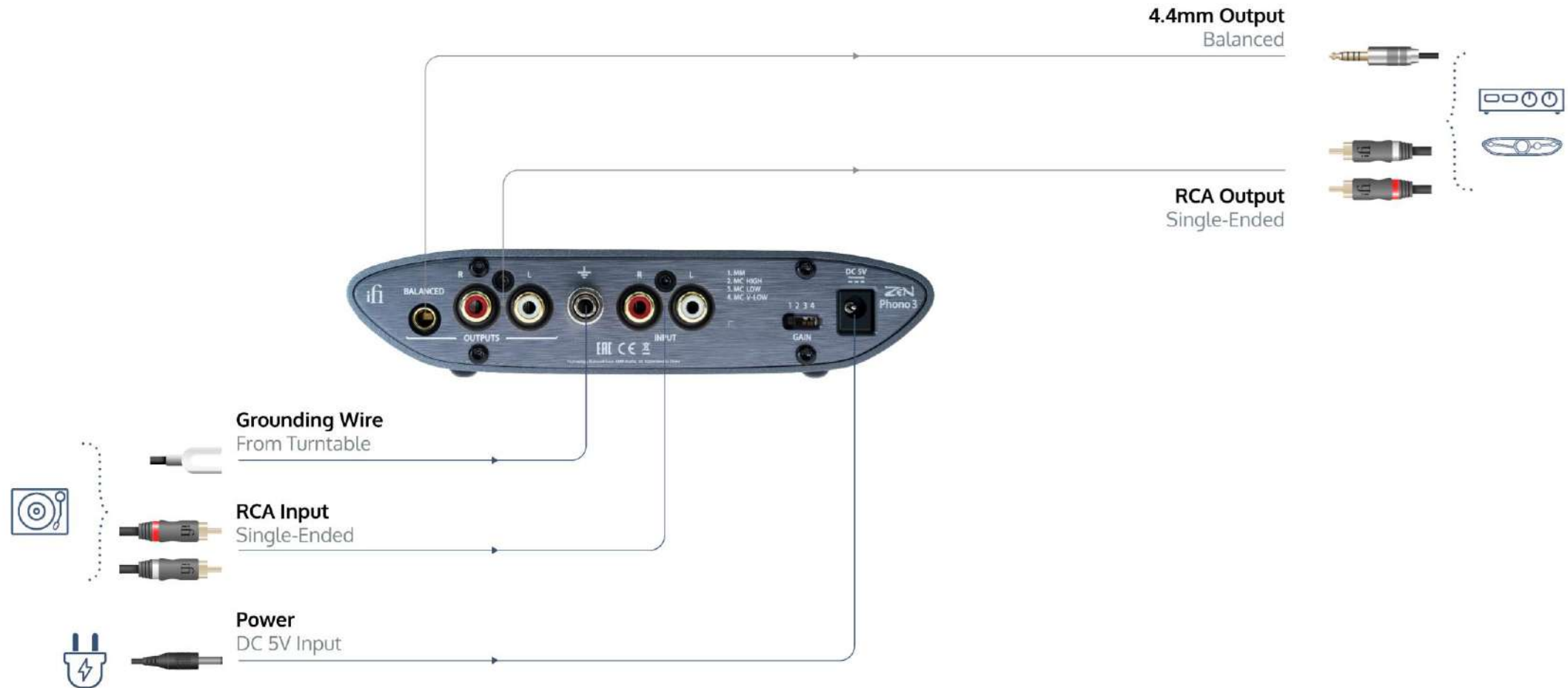


ZEN Phono 3 vs. ZEN Phono Comparison

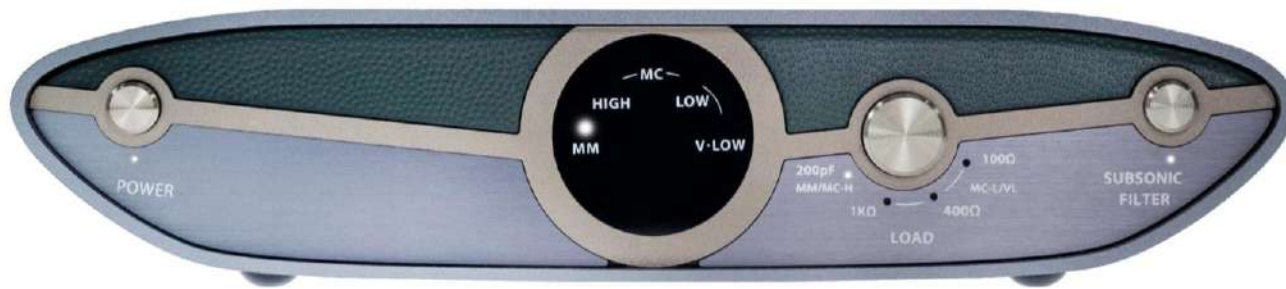


	ZEN Phono 3	ZEN Phono
Cartridge Support	MM, MC	MM, MC
Gain Settings (dB)	36, 48, 60 72	36, 48, 60 72
Load Adjustment	200pF/1kΩ/400Ω/100Ω	-
Max Output Voltage	20v RMS @ 100k	20v RMS @ 100k
Output Impedance	200Ω Bal 100Ω SE	200Ω Bal 100Ω SE
Input Impedance	MM/MC High: 47kΩ (Load 100/200pF) MC Low: 1kΩ/400Ω/100Ω MC V Low: 1kΩ/400Ω/100Ω	MM/MC High: 47kΩ (Load 110pF) MC Low: 1kΩ MC V Low: 110Ω
Frequency Response	20Hz-20kHz (+/- 0.15dB)	20Hz-20kHz (+/- 0.15dB)
Equivalent Input Noise	-151dB(A)	-151dB(A)
Harmonic Distortion	0.0027 % MM re 2V Bal / 1V SE	0.003% MM re 2V Bal / 1V SE
Net Weight	456g (1.00lbs)	515g (1.14 lbs)

Connection Guide



Box Contents



Specifications

Input		RCA
Gain Settings	MM MC High MC Low MC V Low	36dB 48dB 60dB 72dB
Line Output		BAL 4.4mm/UnBAL RCA
Output Power (RMS)	Balanced UnBAL	>19.98V @ 100k Ω (THD+N<1%) >10.07V @ 100k Ω (THD+N<1%)
SNR	MM MC High MC Low MC V Low	91dB(A) 71dB(A) 89.6dB(A) 78.6dB(A)
Equivalent Input Noise	MM MC High MC Low MC V Low	-127dBV(A) -129dBV(A) -149.6dBV(A) -150.6dBV(A)
Harmonic Distortion	MM MC High MC Low MC V Low	< 0.0027% @ 600 Ω < 0.0095% @ 600 Ω < 0.031% @ 600 Ω < 0.022% @ 600 Ω
Output Impedance		<200 Ω BAL; <100 Ω UnBAL
Frequency Response		20-80kHz (-3dB) BAL; 20-20kHz (-0.15dB) UnBAL
Dimensions		158x113x35mm (6.2" x 4.4" x 1.4")
Weight		456g (1.0 lbs)
Warranty period		12 months