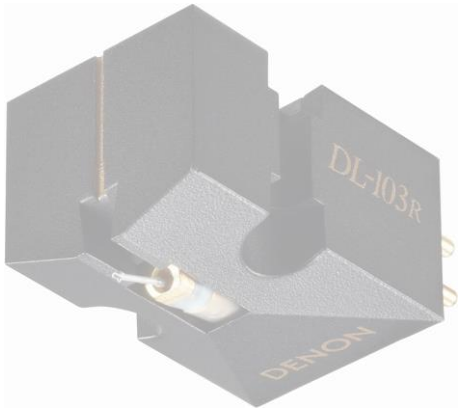


# ZEN Phono 3 Tech Lowdown



ZEN Phono

# A Perfect Match for Your Cartridges



**72dB**



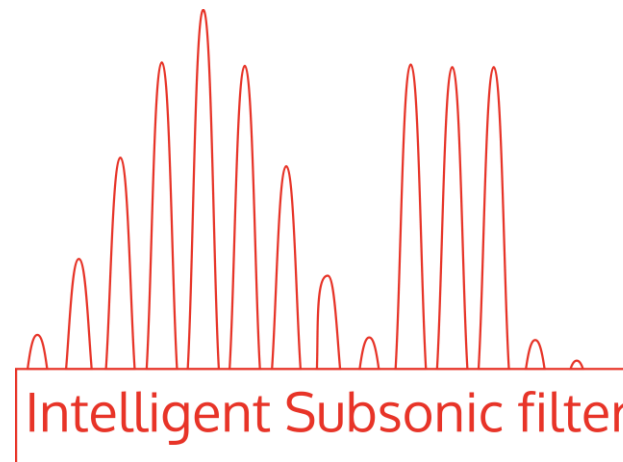
Supports four MM/MC gain selections from 36-72dB and four input impedance settings, ensuring optimum compatibility with a **wide range of cartridges.**

MM/MC-High: 47k $\Omega$ , 100/200pF

MC-Low/V-Low: 100/400/1k $\Omega$

# Combats Warped Records Intelligently

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

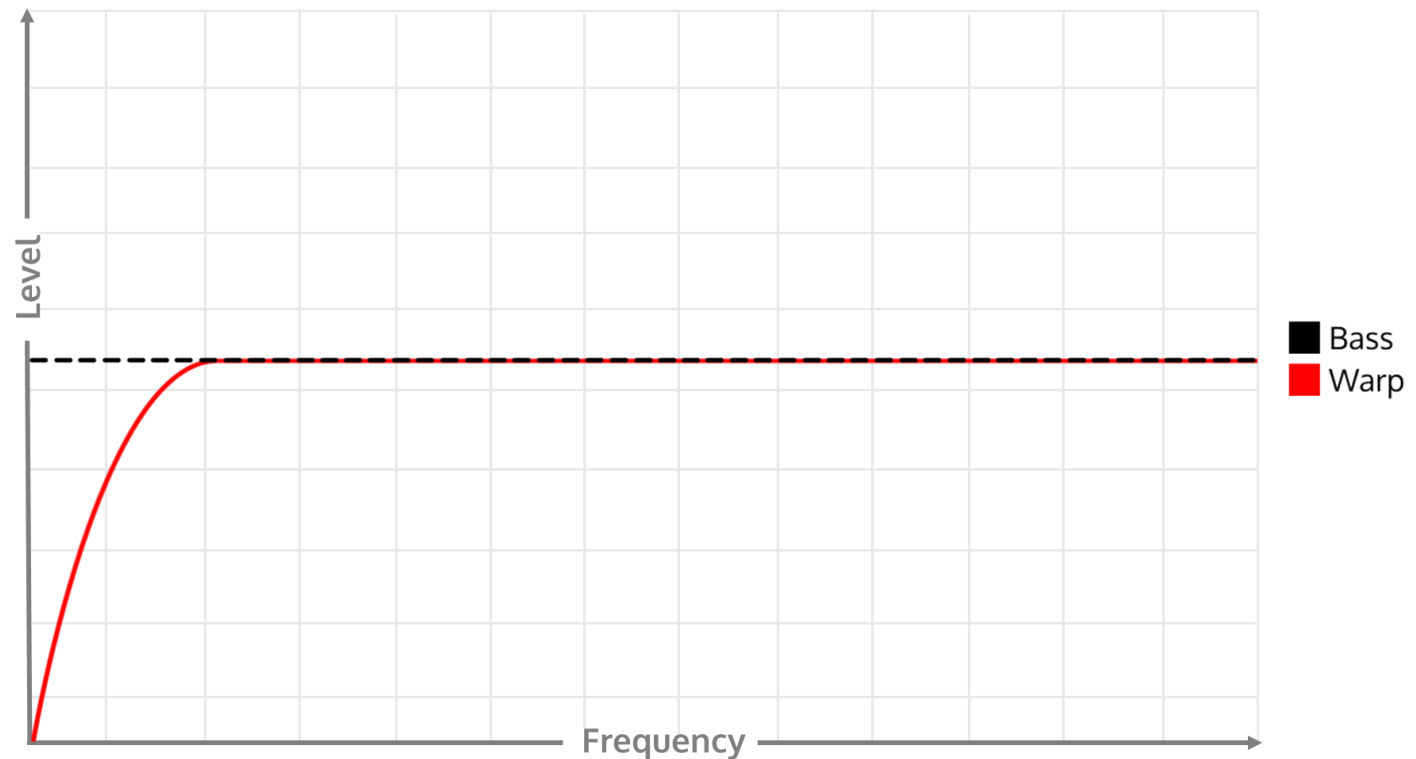


# Subsonic Filter Frequency Response

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.



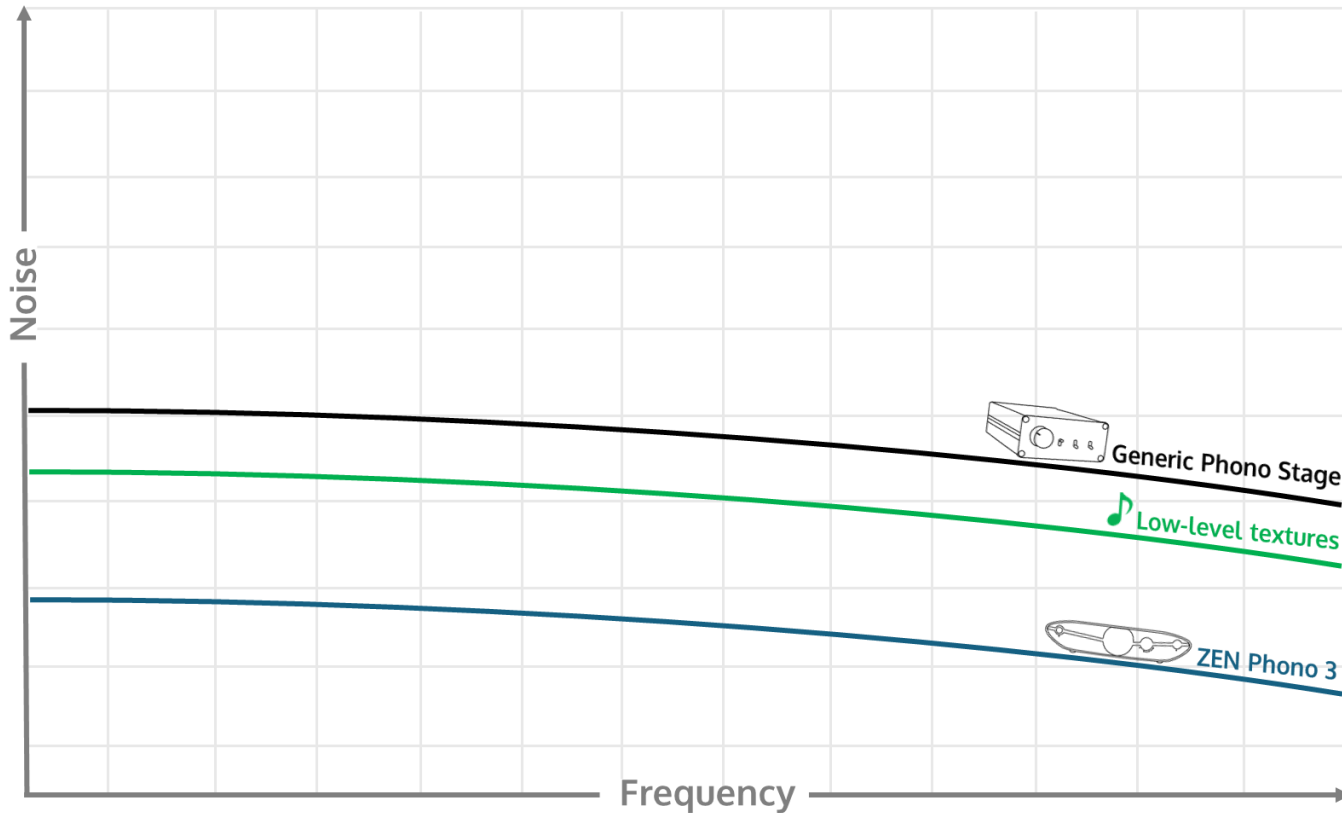
## Rivals \$1,000 Phono Amplifiers

**-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**.

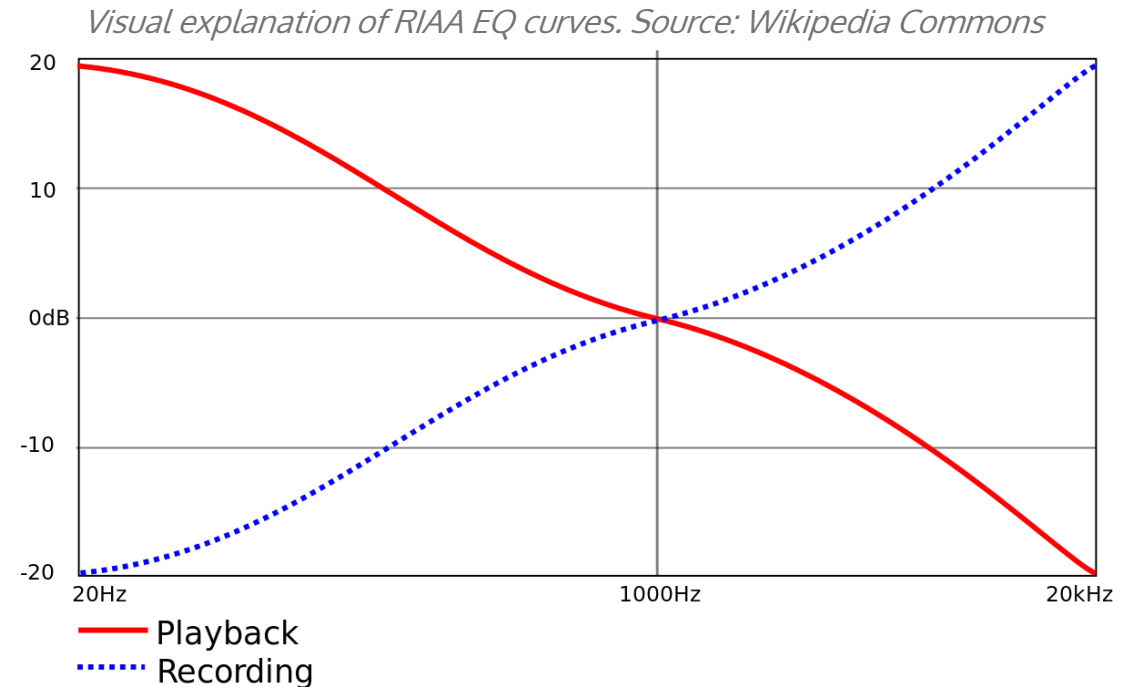
Hear your music as it was meant to be heard;- without the noise you associate with vinyl records.

# Exacting RIAA Equalisation

## Hear Your Record Properly

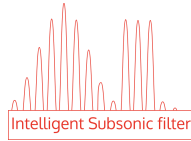
Most records are recorded with an Inverse RIAA (Recording) Equalisation that needs to be **undone on playback**.

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

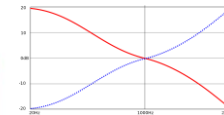
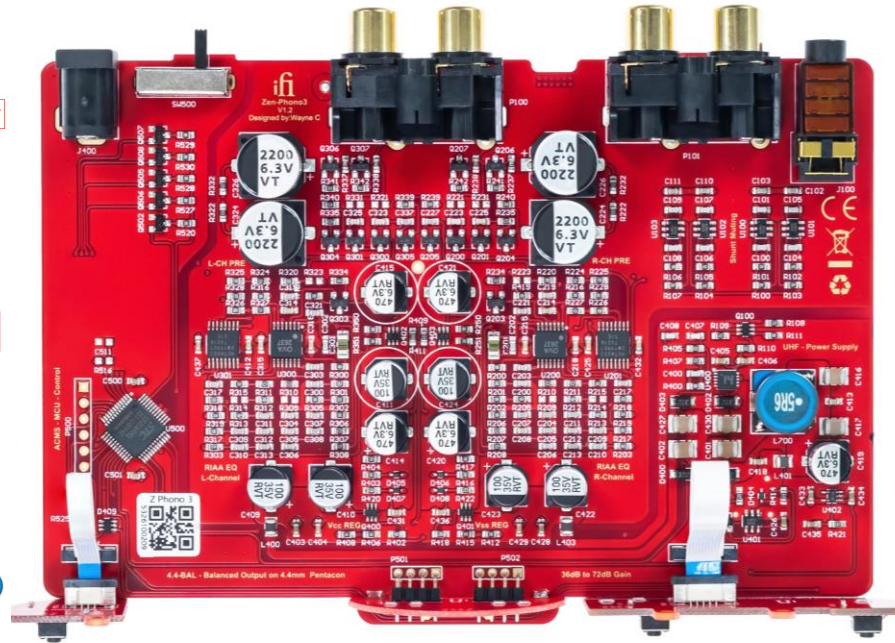
Intelligent subsonic filter that removes LP warp without removing low end



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

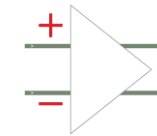
**-151dBV**

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

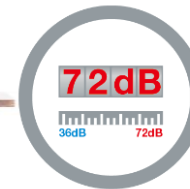


Precise RIAA EQ with +/- 0.15dB tolerance from 20Hz-20kHz

**Balanced**



**4.4mm balanced** and RCA line outputs



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

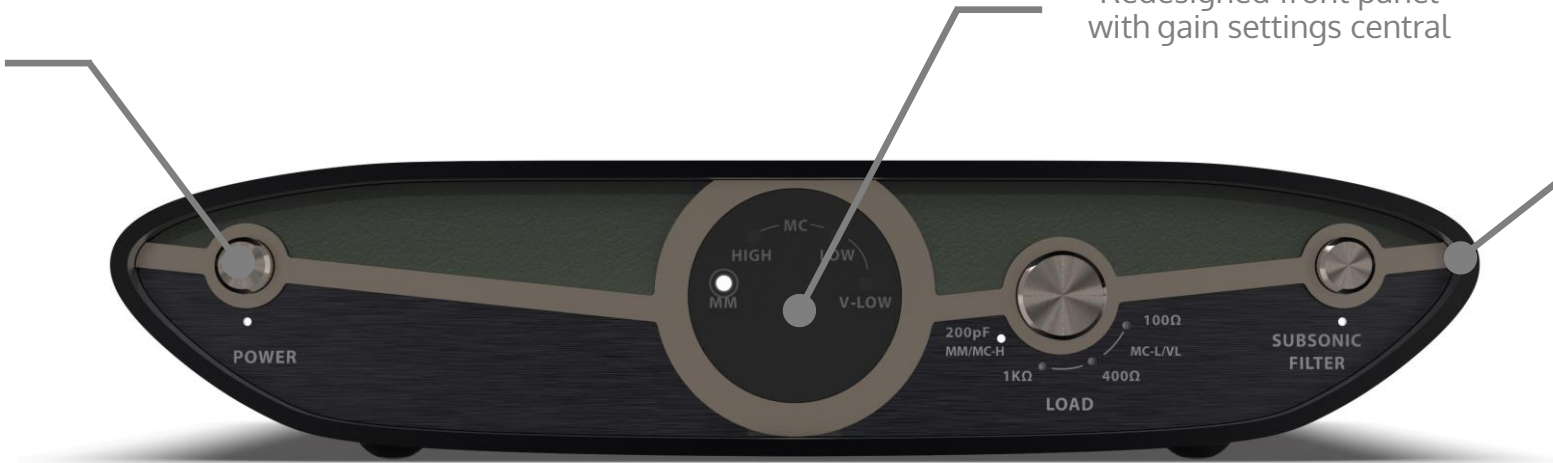


# ZEN Phono 3 vs. ZEN Phono Looks

'Sunlit Bronze' hardware for premium look and feel

Redesigned front panel with gain settings central

Modern two-tone design; stands out against "black box" style competition

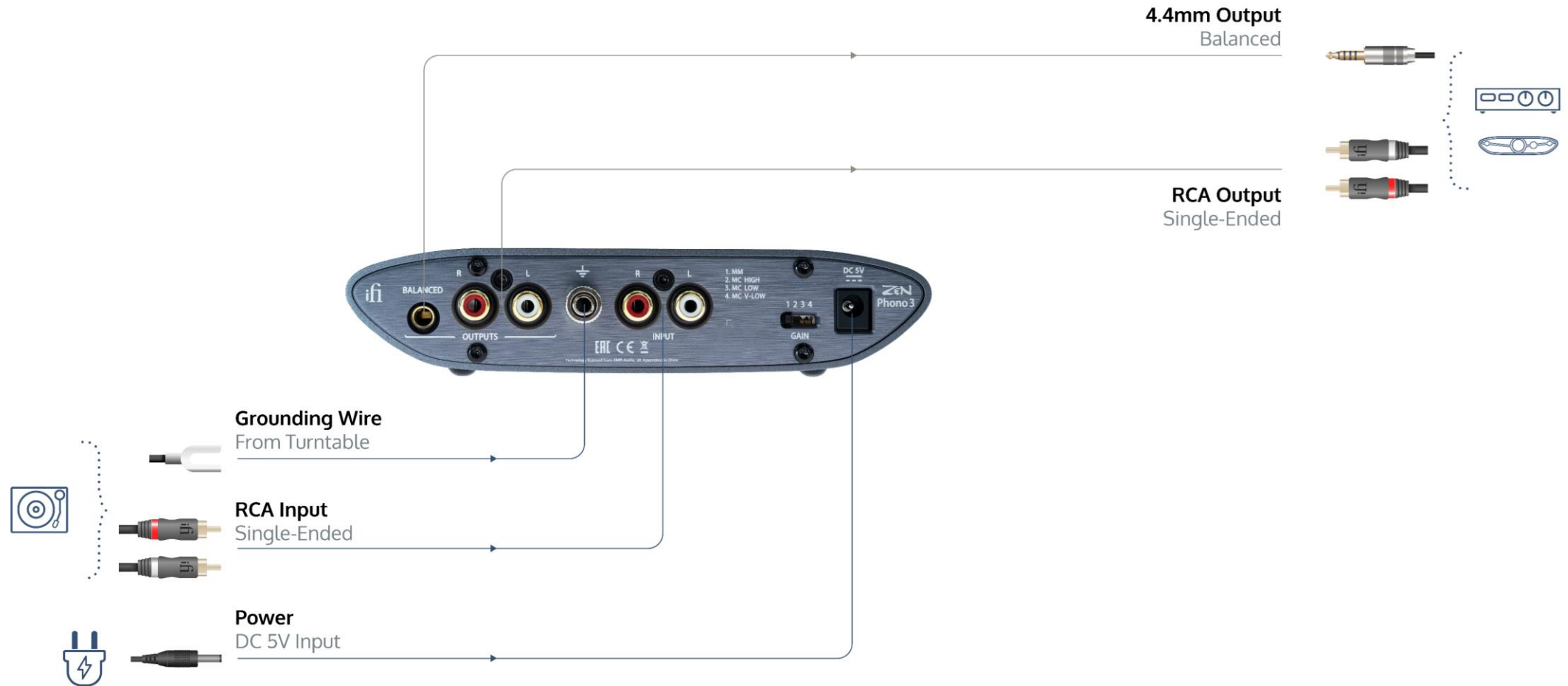


# ZEN Phono 3 vs. ZEN Phono Comparison

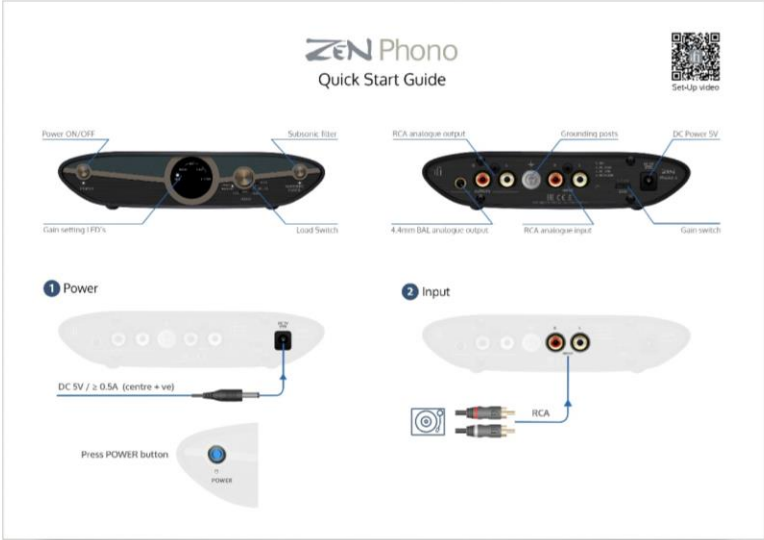
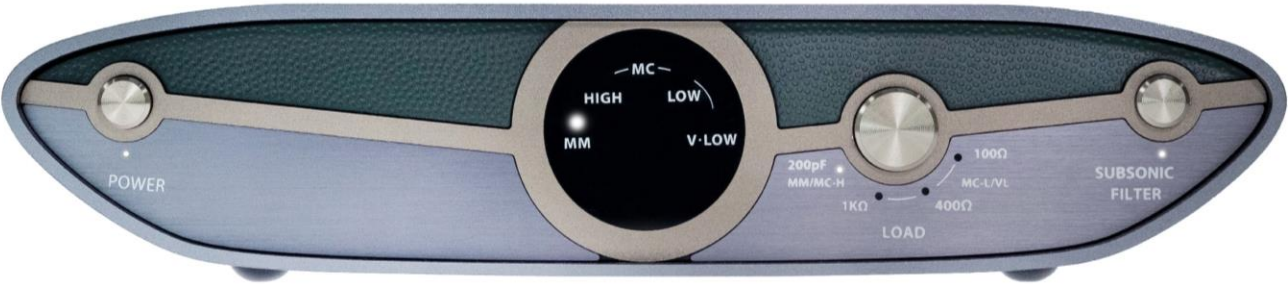


	ZEN Phono 3	ZEN Phono
Cartridge Support	MM, MC	MM, MC
Gain Settings (dB)	36, 48, 60 72	36, 48, 60 72
Load Adjustment	<a href="#">200pF/1kΩ/400Ω/100Ω</a>	-
Max Output Voltage	20v RMS @ 100k	20v RMS @ 100k
Output Impedance	200Ω Bal 100Ω SE	200Ω Bal 100Ω SE
Input Impedance	MM/MC High: 47kΩ (Load <a href="#">100/200pF</a> ) MC Low: <a href="#">1kΩ/400Ω/100Ω</a> MC V Low: <a href="#">1kΩ/400Ω/100Ω</a>	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	<a href="#">0.0027%</a> 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

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