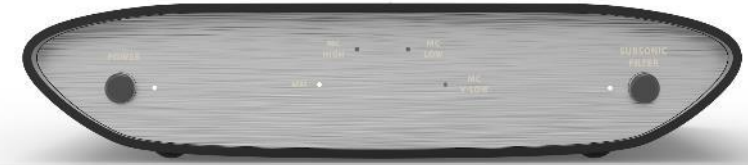


ZEN Phono 3 Vs. ZEN Phono



	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)

Specification

Input		
Gain Settings	MM	36dB
	MC High	48dB
	MC Low	60dB
	MC V Low	72dB
Line Output		
Output Power (RMS)	Balanced UnBAL	>19.98V @ 100k Ω (THD+N<1%) >10.07V @ 100k Ω (THD+N<1%)
SNR	MM	91dB(A)
	MC High	71dB(A)
	MC Low	89.6dB(A)
	MC V Low	78.6dB(A)
Equivalent Input Noise	MM	-127dBV(A)
	MC High	-129dBV(A)
	MC Low	-149.6dBV(A)
	MC V Low	-150.6dBV(A)
Harmonic Distortion	MM	< 0.0027% @ 600 Ω
	MC High	< 0.0095% @ 600 Ω
	MC Low	< 0.031% @ 600 Ω
	MC V Low	< 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

Contents

ZEN Phono



Thank you for purchasing the Phono from the ZEN series. The Phono is a balanced MM/MC phono stage.

1. Power ON/OFF
This is the power switch.

2. MM input LED
This is a MM input suitable for MM cartridges with the output voltage higher than 2mV. Please select Gain 1 at the rear.

3. MC HIGH input LED
This is a MC HIGH input suitable for MC cartridges with the output voltage less than or equal to 5mV. Please select Gain 2 at the rear.

4. MC LOW input LED
This is a MC LOW input suitable for MC cartridges with the output voltage less than or equal to 5mV. Please select Gain 3 at the rear.

5. MC V-LOW input LED
This is a MC V-LOW input suitable for MC cartridges with the output voltage less than or equal to 25mV. Please select Gain 4 at the rear.

6. SUBSONIC Filter ON/OFF
This is the SUBSONIC filter switch.

The fi-designed subsonic filter will intelligently detect whether a subsonic frequency is energized above noise floor, eliminate the waves and let all the bass and mid-range frequencies pass through unobstructed. Therefore, it will not affect the sound quality.

7. Balanced 4.4mm analogue output
This is an analogue output via 4.4mm x RCR or other balanced interconnects. You could use this for an active speaker or an amplifier.

8. RCA analogue output
This is an analogue output.

9. Ground
This is the ZEN Phono's ground, please connect it to the turntable's grounding wire.

10. RCA analogue input
This is an analogue input.

11. Gain channel switch
This button cycles between 4 gain levels:
1. corresponds to MM (-20mV)
2. corresponds to MC HIGH (-5mV)
3. corresponds to MC LOW (-5mV)
4. corresponds to MC V-LOW (-25mV)
Please make changes if you switch to another input type or use different gain levels.

12. DC 5V power
Please connect the ZEN Phono to the wireless power supply. The ZEN Phono must ONLY be powered by fi's units.

Any other power source will appear the audio noise and may be dangerous to your turntable because of the different frequency range.

Specification

Input voltage	DC 5VDC, AC 100-240V, 50/60Hz
Power consumption	0.01W (in case power supply)
Frequency Response	20Hz - 20kHz (±0.5dB)
Balanced	100Ω - 10kΩ (±0.1dB)
SE	100Ω - 10kΩ (±0.1dB)
Channel Separation	> 70dB (1kHz at 100mV)
Max Output Voltage RMS	12.5V (200mA) for 16/16Ω & 6.25V (100mA) for 16/32Ω & 3.125V (50mA) for 16/64Ω
Output Impedance	200 Ohm
SE:	100 Ohm
SNR	100dB (1kHz)
THD+N @ 1kHz	0.0001% (100mV/1V)
MC High (4000 Hz)	0.001% (100mV/1V)
MC Low (50 Hz)	0.001% (100mV/1V)
MC V-Low (20 Hz)	0.001% (100mV/1V)

Dynamic Voltage Input Range:
 2.5mV (SE) to 100mV (SE) MC Low/MC V-Low -35dBV (A-weighted)
 5.0mV (SE) to 200mV (SE) MC High -38dBV (A-weighted)

Total Harmonic Distortion:
 MM < 0.001% (100mV/1V) @ 20Hz/100Hz/10kHz
 MC Low < 0.001% (100mV/1V) @ 20Hz/100Hz/10kHz
 MC V-Low < 0.001% (100mV/1V) @ 20Hz/100Hz/10kHz

Power consumption: < 0.01W

Dimensions: 125 x 117 x 35 mm
 5.0" x 4.6" x 1.4"

Weight: 90g (3.17oz)

Warranty period: 12 months

For more information, please visit ifi-audio.com

Ver 1.3

In order to activate the warranty for this iFi product, you must register with the iFi website.

Component: _____

Serial no.: _____