

ifi



ZEN_{air}Phono

Tech Lowdown

External Turntable Preamplifier

Based on the award-winning ZEN Series, the ZEN Air range makes high-performance audio more affordable than ever before.

The **ZEN Air Phono** is a hi-res, external phono stage for turntables.

It enables you to make the most of your treasured vinyl collection.



External Turntable Preamplifier

The **ZEN Air Phono** is a necessity for any turntable without a phono stage built in.

- Upgrades a basic built-in phono stage in a turntable or amplifier system
- Reduces hiss, noise and rumble on vinyl playback



Expertly Engineered

- Ultra-low noise – hear every drop of detail against a super-quiet background
- Expertly engineered for MM and MC cartridges
- Precise RIAA equalisation to satisfy the most demanding vinyl enthusiasts
- Sophisticated subsonic filter setting for warped records



Connections




Subsonic filter




MC/MM Output
Single-Ended


Ground

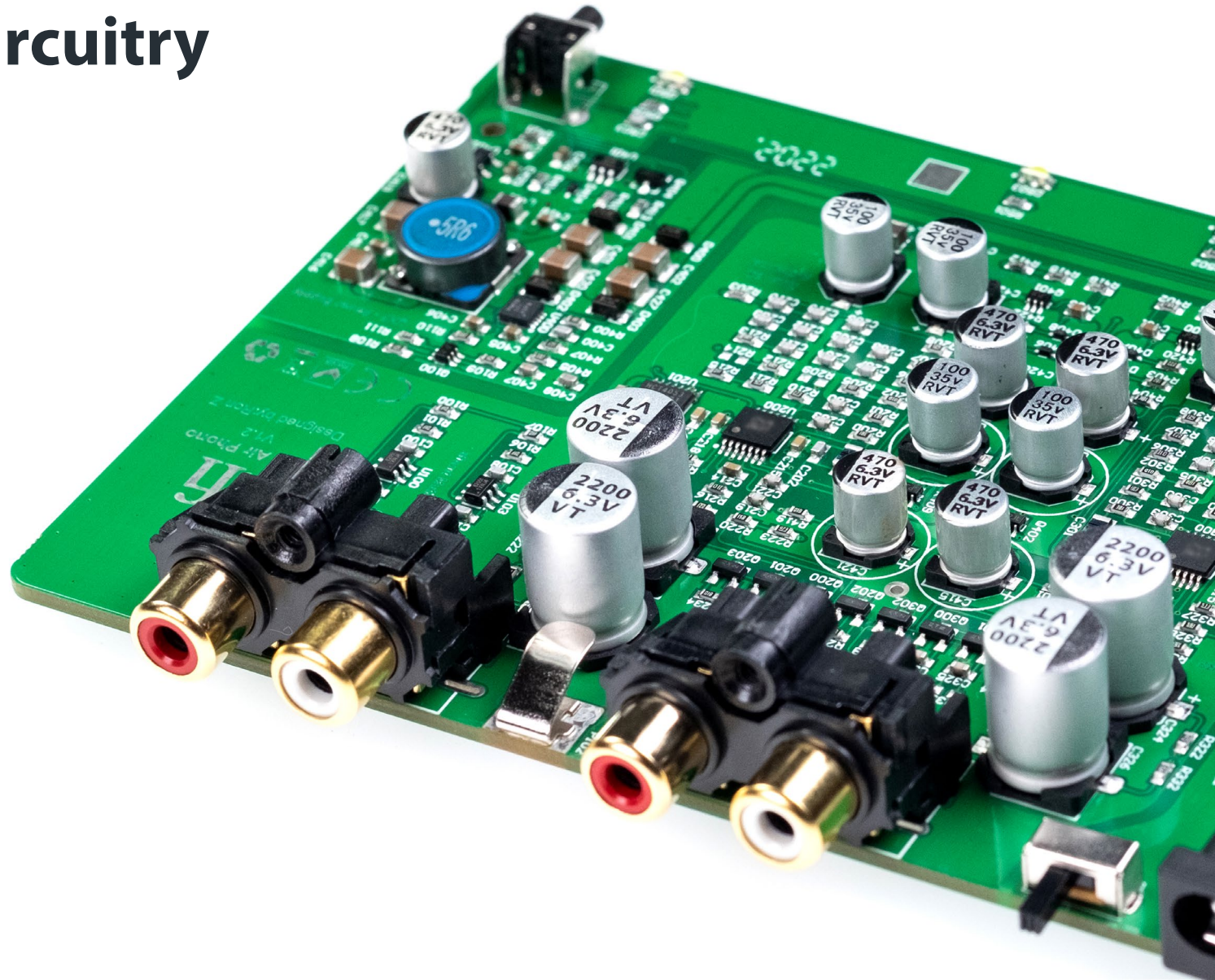

MC/MM Input
Single-Ended


Power
DC 5V Input

High-performance circuitry

The **ZEN Air Phono** circuitry has an audiophile design with symmetrical channel layout.

It delivers high performance without the high price tag.



Superior Design And Components



Gold-plated RCA sockets



Ultra low noise polar input transistor



Precision low-noise power supply



iFi operational amplifier,
high-performance, low-noise OV2637



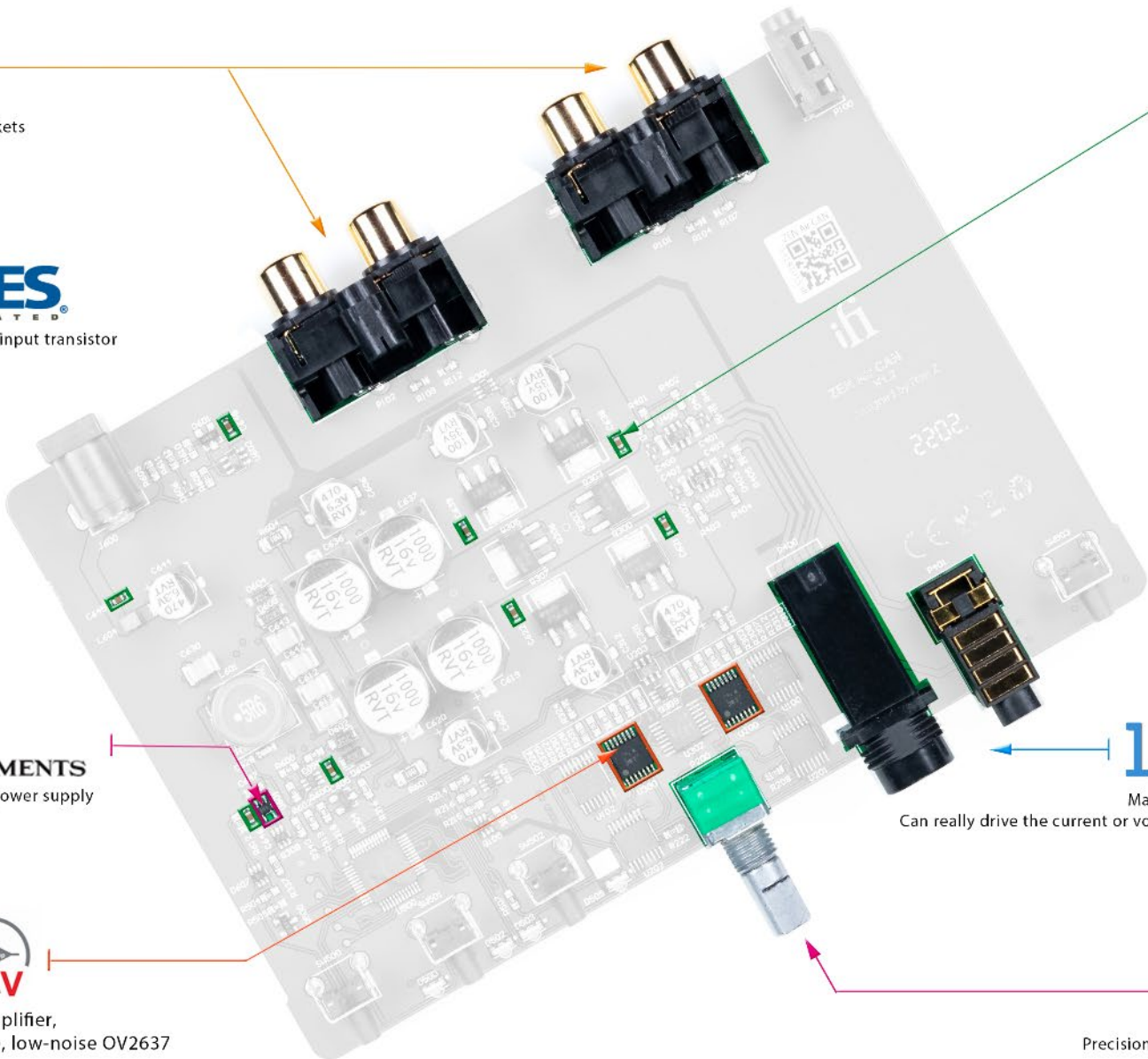
COG capacitors

1200mW

Max. 1200mW or 6.2V output
Can really drive the current or voltage hungry headphones



Precision analogue volume control



Specifications

Power supply requirement	DC 5V/1.0A (centre +ve)	
Frequency Response	20Hz - 20kHz (± 0.15 dB)	
Channel Separation	> 75dB (1kHz all modes)	
Max Output Voltage RMS	6.5V RMS 600 Ω (<1% THD & N)	
Gain	MM 40dB / MC 64dB	
Input Impedance	MM 47k / MC 1k	
Output Impedance	100 Ω	
SNR	MM (40dB ± 1 dB)	86dB (A-weighted) re 1V
	MC (64dB ± 1 dB)	82dB (A-weighted) re 1V

Ein (equivalent input noise)	0.6nV /Hz (unweighted)	
	6.5nV /Hz (unweighted)	
	MC	-151dBV (A-weighted)
	MM	-130dBV (A-weighted)
Total Harmonic Distortion	MC	<-80dB / 0.01% re 1V
	MM	<-90dB / 0.005% re 1V
Power Consumption	<1.8W	
Dimensions	158 x 117 x 35 mm	
	6.2" x 4.6" x 1.4"	
Net weight	320g	
	0.71 lbs	

