ZEN DAC 3 Tech Lowdown





Supports Higher Quality Files

Hi-Res Heaven

ZEN DAC 3 supports all PCM formats up to **768kHz**, DSD natively supports up to **DSD 512**, and even offers full **MQA decoding**.



Your Way or the Hi-Way

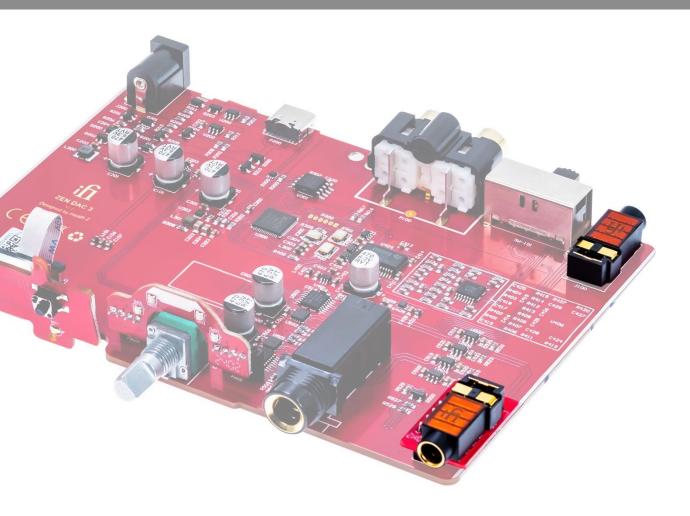
Offering **both** fixed and variable output gain options, ZEN DAC 3 can seamlessly connect to headphones, an amplifier or active speakers.







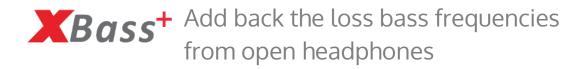
Beautifully Balanced



ZEN DAC 3 features **two** 4.4mm balanced outputs, one for headphones and one for other amplifiers, effectively **minimising distortion and crosstalk**.

PowerMatch and XBass+

ZEN DAC 3 adopts XBass+, the newest iteration of iFi's signature analogue EQ.



Power Match is a gain boost for hungrier headphones





Power Up, Protect On!

DC offset output voltage has been improved in the ZEN DAC 3.

This means less audible clicks while switching functions.

ZEN DAC 3 also benefits from input **overvoltage protection** via the all-new **USB-C** port.



Key Features

Ultra-res audio: PCM 768kHz, DSD 512 and Full MQA Decoding

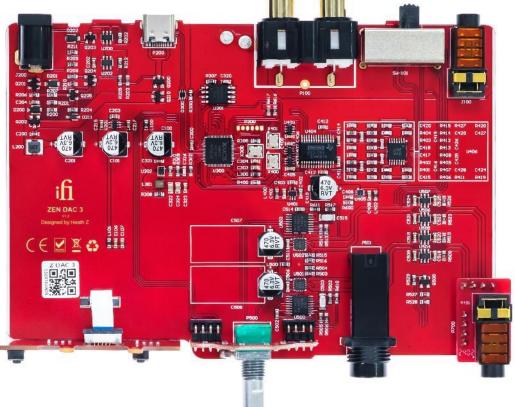


USB-C input for plugand-play connectivity



Fixed or variable output gain for optional preamp functionality







Improved DC offset and USB-C input **overvoltage** protection



4.4mm balanced headphone and line outputs



XBass+ and PowerMatch **XBass**⁺ analogue processing modes



ZEN DAC 3 vs. ZEN DAC V2 Looks





Evolution of the ZEN DAC

-6	_	4	1000	
нолон мен-	-0-		-0-	1
No.	XJ:W	10163		-

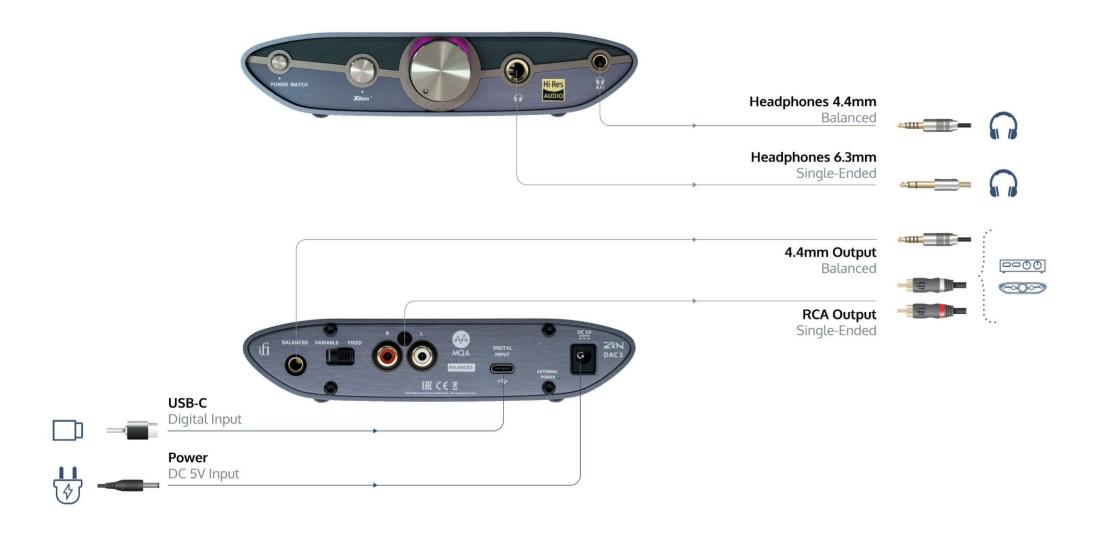




	ZEN DAC 3	ZEN DAC V2	ZEN DAC
Retail Price	\$229	\$199	\$129
Hi-Res Support	PCM 768 kHz DSD 512 MQA Decoding	PCM 384 kHz DSD 256 MQA Decoding	PCM 384 kHz DSD 256 MQA Rendering
Headphone Outputs		4.4mm Balanced, 6.3mm SE	
Line Outputs		4.4mm Balanced, RCA SE	
Inputs	USB-C	USB-B 3.0	USB-B 3.0
USB Input Overvoltage Protection	Yes	No	No
Clocking	Upgraded GMT	Upgraded GMT	Standard Clock
Output DC offset	Improved	Standard	Standard
XMOS Chip	16-Core	16-Core	8-Core
Other Features	XBass+, PowerMatch, Fixed/Variable output	TrueBass, PowerMatch, Fixed/Variable output	TrueBass, PowerMatch, Fixed/Variable output
6.3mm HP (RMS)	>210mW @ 32Ω	>210mW @ 32Ω	>210mW @ 32Ω
4.4mm HP (RMS)	>390mW @ 64Ω	>390mW @ 64Ω;	>390mW @ 64Ω;
SNR (Headphone Section)	>109 dBA (6.2V Bal/3.3V SE)	>109 dBA (6.2V Bal/3.3V SE)	>109 dBA (6.2V Bal/3.3V SE)
THD+N (Headphone Section)	≤0.005% (2V @ 600Ω)	<0.005% (125mW @ 32Ω)	<0.005% (125mW @ 32Ω)



Connection Guide



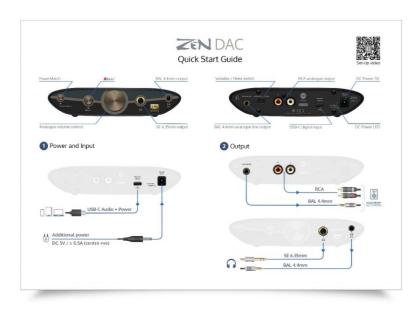
Box Contents











Specifications

Input		USB-C	
Formats	PCM DSD MQA	768kHz 512 Full Decoder	
DAC		Bit-Perfect DSD & DXD DAC by Burr Brown	
Headphone Output		BAL 4.4mm/UnBAL 6.3mm	
Output Power (RMS)	Balanced UnBAL	390mW@ 64 Ω; 7.2 V@ 600 Ω 210 mW@ 32 Ω; 3.8 V@ 600 Ω	
Output Impedance		<1Ω (BAL/UnBAL)	
SNR		109dB(A) (BAL/UnBAL)	
DNR		109dB(A) (BAL/UnBAL)	
THD + N	Balanced UnBAL	<0.006% (2.0V @ 600Ω) <0.006% (1.27V @ 32Ω)	
Line Output		BAL 4.4mm/UnBAL RCA	
Output Power	Balanced UnBAL	2V-6.2V max. (variable); 4.2V fixed 1V-3.3V max. (variable); 2.1V fixed	
Output Impedance		<200Ω BAL; <100Ω UnBAL	
Frequency Response		5Hz - 90kHz (+/-3dB)	
Power Consumption		~2.5W Max Signal	
Dimensions		158x115x35mm (6.2" x 4.6" x 1.4")	
Weight		456g (1.0 lbs)	
Warranty period		12 months	

