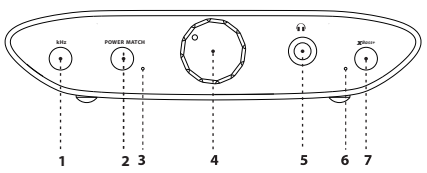
ZEN Air DAC



Thank you for purchasing the DAC from ZEN Air series. The ZEN Air DAC is a single-ended USB-audio DAC amplifier.

1. Audio Format LED (kHz)

The LED colour scheme indicates the audio format and sampling frequency received by ZEN Air DAC from the music source.

LED	Mode
Green	PCM 44.1/48/88.2/96kHz
Yellow	PCM 176.4/192/352.8/384kHz
Cyan	DSD 64/128
Blue	DSD 256
Magenta	MQA renderer

2. PowerMatch

PowerMatch setting should be off for IEMs. It can be on for on/over-ear headphones.

Warning: Due to the high power of ZEN Air DAC, before changing the PowerMatch setting, always start off at a low volume level so that there is no risk of damage to your headphones, speakers or your hearing. iFi audio is not responsible for any hearing or equipment damage from misuse.

3. PowerMatch indicator on/off

4. Analogue volume control

The analogue volume control in ZEN Air DAC has superior distortion characteristics to any digital volume control.

5. Single-ended 6.3mm output

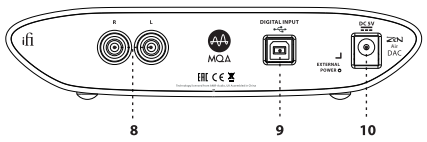
Connect single-ended 6.3mm headphones. With single-ended 3.5mm headphones, use a 3.5mm to 6.3mm adapter.

6. XBass+ indicator on/off

7. XBass+

XBass+ (On/Off) was uniquely designed to extend bass response to suit different headphones. It is a purely analogue signal circuit.

Tip: Sonically-hindering DSP is NOT used for XBass+ systems. They use highest-quality discrete components and operate purely in the analogue domain. Hence all the clarity and resolution of the original music is retained.



8. RCA analogue output

9. USB-audio and power input

This is a USB input. It connects ZEN Air DAC to the computer audio source and can also be powered by it.

Note: For use with PC it is necessary to download drivers.

Tip: For the required driver and all the latest firmware updates please visit our website: www.ifi-audio.com/download-hub/

10. DC 5V power

ZEN Air DAC is powered by 5 volts, either via the enclosed USB cable (for connection to laptop or PC) or DC power supply (not included).

Tip: For best performance upgrade the USB power supply to a super-low noise power adapter such as iFi iPower2 or iPower X.

Specification

Power supply requirement:	USB or DC 5V, ≥ 0.5A (centre +ve)
Digital input:	USB2.0 B Socket
Formats:	
PCM	44.1/48/88.2/96/176.4/192/352.8/384kHz
DSD	2.8/3.1/5.6/6.1/11.3/12.3MHz
DXD	352.8/384kHz
MQA	Renderer
DAC:	Bit-Perfect DSD & DXD DAC by Burr Brown
Line Section	
Output:	3.3V max.
Output Impedance:	≤50Ω
SNR:	<-113dB(A) @ 0dBFS
DNR:	>113dB(A) @ -60dBFS
THD+N:	<0.04% @ 0dBFS
Headphone Section	
Output:	1V / 3.3V max. at 12 Ω / 300 Ω
Output Power:	>280mW @ 32Ω; >36mW @ 300Ω
Output Impedance:	<1Ω
THD+N:	<0.04% (100mW @ 16Ω)
SNR:	>113dBA (3.3V)
Power consumption:	No Signal ~0.5W Max Signal ~2.5W
Dimensions:	158 x 117 x 35 mm (6.2" x 4.6" x 1.4")
Weight:	315 g (0.69 lbs)
Warranty period:	12 months

Specifications are subject to change without notice.