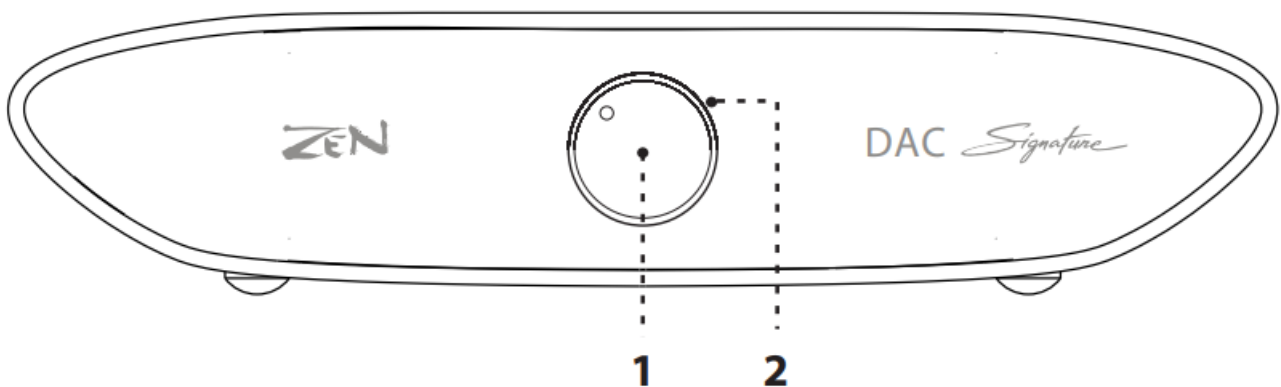




ifi ZEN DAC Signature V2 Pure Performance Desktop DAC User Manual

[Home](#) » [ifi](#) » ifi ZEN DAC Signature V2 Pure Performance Desktop DAC User Manual 



Thank you for purchasing the DAC Signature V2 from the ZEN series.
The DAC Signature V2 is a balanced USB-audio DAC amplifier.

Contents

- 1 Analogue Volume control
- 2 Audio Format LED (kHz)
- 3 Balanced 4.4mm analogue output
- 4 Variable/Fixed switch
- 5 RCA analogue output
- 6 USB-audio and power input
- 7 DC 5V power
- 8 Documents / Resources
- 9 Related Posts

Analogue Volume control

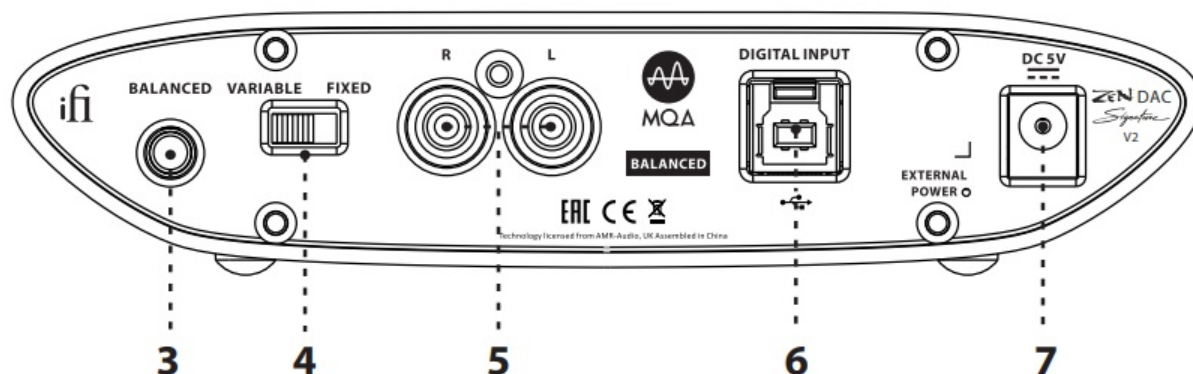
The analogue volume control in the ZEN DAC Signature V2 is superior to any digital volume control. It can be used to control the headphone volume or the pre-amplifier volume (when set to 'Variable'). If the output at the rear is set to 'Fixed' the volume control is bypassed.

Audio Format LED (kHz)

The LED colour scheme indicates the audio format and sampling frequency received by the ZEN DAC Signature V2 from the music source.

LED	Mode
Yellow	PCM 44.1/48kHz
White	PCM 88.2/96/176.4/192/352.8/384kHz
Cyan	DSD 64/128
Red	DSD 256
Green	MQA
Blue	MQA Studio
Magenta	Original Sample Rate*

*MQB



Balanced 4.4mm analogue output

This is an analogue output via 4.4mm > XLR or other balanced interconnects. You could use this for an active

speaker or an amplifier.

Tip: As the ZEN DAC Signature V2 is balanced, this is the recommended output.

Variable/Fixed switch

This switch will determine whether or not the ZEN DAC Signature V2 analogue volume control is used.

RCA analogue output

This is an analogue output.

USB-audio and power input

This is a USB input. It connects the ZEN DAC Signature V2 to the computer audio source and provides the power supply.

DC 5V power

ZEN DAC Signature V2 is powered by 5 volts, either via the enclosed USB cable(for connection to laptop or PC) or DC power supply.

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

Tip: For all the latest firmware updates please refer to our website here: <https://ifi-audio.com/download-hub/>

Specification

Input voltage: DC 5V/2.5A

Input: USB3.0 B Socket (USB2.0 compatible)

Formats: 44.1/48/88.2/96/176.4/192/352.8/384kHz PCM 2.8/3.1/5.6/6.2/11.2/12.4MHz DSD 353/384KHz DXD MQA

DAC: Bit-Perfect DSD & DXD DAC by Burr-Brown

Line Section

Output:

Balanced 4.4mm: 2V / 6.2V max. (variable) 4.2V fixed

UnBAL RCA: 1V / 3.3V max. (variable) 2.1V fixed

Zout:

Balanced: $\leq 200 \text{ Ohm}$

UnBAL: $\leq 100 \text{ Ohm}$

SNR: $< -116\text{dB(A)}$ @ 0dBFS (UnBAL/BAL)

DNR: $> 116\text{dB(A)}$ @ -60dBFS (UnBAL/BAL)

THD+N: $< 0.0015\%$ @ 0dBFS (UnBAL/BAL)

Power consumption: No Signal $\sim 0.5\text{W}$ Max Signal $\sim 2.5\text{W}$

Dimensions: 158 x 117 x 35 mm 6.2" x 4.6" x 1.4"

Net weight: 505 g (1.11 lbs)

Warranty period: 12 months

Specifications are subject to change without notice.

ifi-audio.com

Ver1.0

Documents / Resources



[ifi ZEN DAC Signature V2 Pure Performance Desktop DAC](#) [pdf] User Manual
ZEN DAC Signature V2, Pure Performance Desktop DAC, ZEN DAC Signature V2 Pure Perform
ance Desktop DAC, Performance Desktop DAC, Desktop DAC, DAC