iFi

ZEN One
Signature

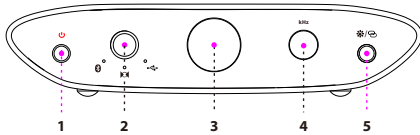| 1 | 2 | 3 | 4 | 5 |

Thank you for purchasing the ZEN One Signature. The ZEN One Signature is a wireless Bluetooth, USB, S/PDIF DAC with digital and analogue outputs.

1. Power switch

Short press to turn on. Long press to turn off.

2. Input selector

This button cycles through 3 inputs, see item 5 for LED colours.

Bluetooth	S/PDIF	USB
(Blue/Red)	(Green)	(Green)

3. Display

The colour of the 'iFi' logo in the center of the front display represents the file format received:

LED	Format (Wired/Wireless)
White	PCM/HWA(LHDC)
Cyan	DSD/LDAC
Green	MQA/aptX Adaptive
Blue	MQA Studio/aptX
Magenta	Original Sample Rate*/aptX HD
Yellow	AAC
OFF	SBC

*MQB

4. Audio format and INPUT LED (kHz)

The LED colour scheme indicates the sampling frequency that the ZEN One Signature receives from the music source.

LED	Mode
Yellow	PCM 44.1/48kHz
White	PCM 88.2/96/176/192/352/384kHz
Cyan	DSD 64/128
Red	DSD 256
Flashing LED	See item 5 below

5. Bluetooth pairing and display ON/OFF
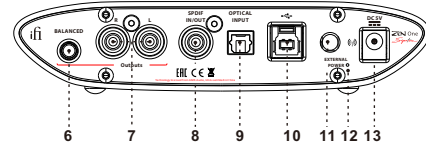
1) Pairing (long press)

After power-on, the ZEN One Signature searches for a previously paired device and flashes blue. If a stored device is not found, it automatically enters pairing mode and flashes between blue and red. The LED is switches to blue flashing, and the device cannot be connected automatically after a timeout of 5 minutes.

To enter pairing mode, press the button for 3 seconds until the light flashes between blue and red. To pair it with your phone or another device, look for 'iFi Hi-Res audio' on the list of available Bluetooth devices.

The ZEN One Signature is able to store up to 8 paired Bluetooth devices. When the 9th device is paired, the oldest device in memory will be deleted.

2) Display screen ON/OFF (short press)

Turns the display on or off.

| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

6. Balanced 4.4mm fixed analogue output

For connection of 4.4mm to XLR or similarly balanced interconnects.

Warning: Do not insert 4.4mm headphones to this source as the full volume is likely to damage your headphones or your hearing.

7. Single-Ended RCA output

Connect analogue RCA interconnects to an amplifier.

8. Digital coaxial input/output

Input channel selector (item 2) determines the function of digital coaxial connector, which is:
a) an output when item 2 is on Bluetooth or USB
b) an input when item 2 is on S/PDIF

9. Digital optical input

To connect an optical cable to a digital audio source.

10. USB-audio and power input

This is a USB input. It connects the ZEN One Signature to a computer audio source.

Tip: For firmware and driver downloads, please visit: www.ifi-audio.com/download-hub/

Note: For use with a PC, it is necessary to install drivers.

11. Antenna

Please attach the enclosed antenna for highest signal quality.

12. Power supply LED

When connected to an external power supply, the light will turn green.

13. DC 5V power

Please connect the ZEN One Signature to the included power supply, the super-silent iPower2. The ZEN One Signature must ONLY be powered by 5 volts.

SPECIFICATIONS:

Power:	DC 5V (centre pin +ve)
Digital inputs:	USB3.0 Type B (USB2.0 compatible)
	S/PDIF (coaxial, TOSLINK optical)
	Bluetooth 5.1™ (aptX, aptX HD, aptX Adaptive,
	aptX LL, LDAC, LHDC/HWA, AAC and SBC codec)
Formats:	
PCM	44.1/48/88.2/96/176.4/192kHz
DSD	2.8/3.1/5.6/6.1/11.3/12.3MHz
DXD	352.8/384kHz
MQA	Decoder
Bluetooth	96kHz
Chipset:	Bit-Perfect DSD & DXD DAC by Burr Brown
	Qualcomm QCC 5100 Series
Analogue outputs:	Coaxial, Audio RCA L/R
	4.4mm Balanced line out
Frequency Response:	5Hz - 80kHz ±3dB
Outputs:	4V / 2V max. (BAL/UnBAL)
Output Impedance:	≤72Ω/36Ω (BAL/UnBAL)
SNR:	-105dB(A) @ 0dBFS (BAL/UnBAL)
THD + N:	<0.002% @ 0dBFS(BAL/UnBAL)
Power consumption:	No Signal ~0.7W / Max Signal ~1.0W
Dimensions:	158 x 100 x 35 mm (6.2" x 3.9" x 1.4")
Net weight:	485g (1.1 lbs)
Warranty period:	12 months

Specifications are subject to change without notice.