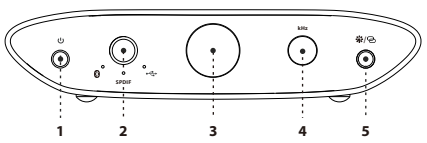
FCC ID: 2A5QJZENONESIG

ZEN One Signature



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

1. Power switch
This is the power switch.

2. Input channel selector
This button cycles through 3 inputs, see the fourth point for LED colour.

Bluetooth	S/PDIF	USB
(Flashing)	(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/Wirel)
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 color scheme indicates the sampling frequency that 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
FlashingLED	Wireless Bluetooth (Pairing)

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

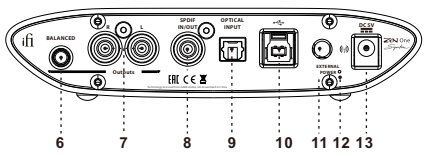
After power-on, ZEN One Signature searches for a previously paired device and flashes blue. If a stored device is not found, it automatically enters pairing mode, and flashes between blue and red. Light turns off automatically after timeout.

To enter pairing mode, press button for 3 seconds until 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.

ZEN One Signature is able to store up to 8 paired Bluetooth devices.

2) Display screen ON/OFF

Double press - turns the display on or off.



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

9. Digital optical input
To connect a optical cable to a digital audio source.

10. USB-audio and power input
This is a USB input. It connects ZEN One Signature to a computer audio source and supplies power.

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

11. Antenna
Please attach the enclosed antenna for maximum signal quality.

12. Power supply LED
When connected to a power supply, the light will turn green.

13. DC 5V power
ZEN Blue Signature is powered by 5 volts, either via the enclosed USB cable(for connection to a 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.

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

SPECIFICATIONS:

Power Source:	DC 5V
Digital Inputs:	USB3.0 B (USB2.0 compatible) S/PDIF (coaxial, toslink optical) Bluetooth 5.0™ (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
Bluetooth	96kHz
Chipset:	Bit-Perfect DSD & DXD DAC by Burr Brown Qualcomm QCC 5100 Series
Output:	Coaxial, Audio RCA L/R, 4.4mm Balanced Lineout
Frequency Response:	20Hz - 40kHz ±0.5dB (44.1kHz)
Outputs:	4V / 2V max. (BAL/UnBAL)
Zout:	≤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.

ifi-audio.com Ver1.0

FCC COMPLIANCE STATEMENT:
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.