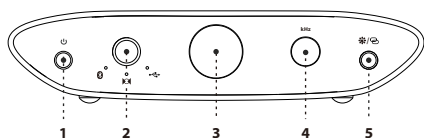


ifi

ZEN One Studio



Thank you for purchasing the ZEN One Studio. The ZEN One Studio is a 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.



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 Studio receives from the music source.

| LED | Mode |
|--------------|------------------------------------|
| Yellow | PCM 44.1/48kHz |
| White | PCM 88.2/96/176.4/192/352/384.8kHz |
| Cyan | DSD 64/128 |
| Red | DSD 256 |
| Flashing LED | See item 5 below |

5. Bluetooth pairing and Display ON/OFF

1) Pairing (long press)

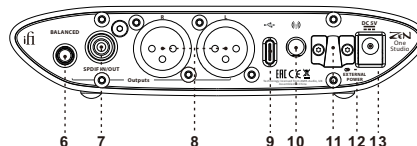
After power-on, the ZEN One Studio searches for a previously paired device and flashes blue. If a stored device is not found, it automatically enters pairing mode and flashes between blue and red. The LED switches to blue flashing, and the device cannot be connected automatically after a timeout of 5 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 Studio 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. Balanced 4.4mm fixed level 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. Digital coaxial input/output

Input channel selector (item 2) 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

8. Balanced XLR analogue output

This is a balanced analogue output.

9. USB-C input

This USB-C port is intended for data transfer only, It connects the ZEN One Studio to the 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.

10. Antenna

Please attach the enclosed antenna for highest signal quality.

11. Power cable anti-drop pendant

Used to secure the power cable to prevent the power supply from falling out or coming loose.

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 Studio to the included power supply. The ZEN One Studio must ONLY be powered by 5 volts.

SPECIFICATIONS:

| | |
|----------------------------------|--|
| Digital inputs: | USB3.0 Type B (USB2.0 compatible) S/PDIF (3.5mm coaxial) Bluetooth 5.1™ (aptX, aptX HD, aptX Adaptive, aptX LL, LDAC, LHDC/HWA, AAC and SBC codec) |
| Formats: | DSD 256 / 11.3MHz PCM 384kHz MQA Decoder Bluetooth 96kHz |
| Chipset: | Bit-Perfect DSD & DXD DAC by Burr Brown Qualcomm QCC 5100 Series |
| Analogue outputs: | Coaxial, Audio XLR 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 supply requirement: | DC 5V (centre pin +ve) |
| 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: | 500g (1.1 lbs) |
| Limited Warranty: | 12 months |

*12 months typical or as permitted/required by local reseller laws.

**Specifications are subject to change without notice.

FCC Statement

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.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies 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.