

Thank you for purchasing the CAN from ZEN series. The CAN Signature is a balanced audio amplifier.

1. Power switch

2. Input channel switch

Input 1: RCA
 Input 2: Single-ended 3.5mm
 Input 3: Balanced 4.4mm

3. PowerMatch selection: 0dB/6dB/12dB/18dB

We recommend starting from 0dB and then increasing the switchable gain level to attain an enjoyable and comfortable level of volume from the headphones.

Warning: at the outset do not use excessive gain, otherwise damage to hearing or connected headphones may ensue. AMR/iFi audio is not responsible for any damage/injury from misuse.

4. Analogue Volume Control

At normal listening levels, the volume control should be around the 12 o'clock position. Increase the gain level to enjoy a higher listening level.

5. Single-ended 6.3mm output

For connecting single-ended 6.3mm headphones. With single-ended 3.5mm headphones, connect with a 3.5mm to 6.3mm adapter.

6. Balanced 4.4mm analogue output

For connecting balanced 4.4mm headphones.

Tip: As ZEN CAN Signature is balanced, we recommend the 4.4mm output.

7. XBass LED

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

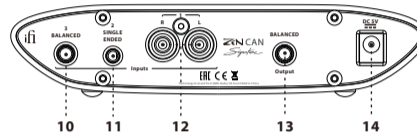
8. XSpace LED

The XSpace (on/off) recreates a holographic sound field. It is a pure analogue signal processing circuit designed for listening to headphones as if one was listening to speakers. This addresses the 'music inside the head' sensation, which makes for unsettling listening.

Tip: Sonically-hindering DSP is NOT used for XBass nor Xspace systems. They use the highest-quality discrete components and operate purely in the analogue domain. Hence all the clarity and resolution of the original music is retained.

9. Settings

This button chooses between:
 Off > XSpace > XBass > XBass + XSpace (short press)



10. Balanced 4.4mm analogue input
 This is a balanced analogue input.

11. Single-ended 3.5mm analogue input
 For connecting single-ended 3.5mm input.

12. RCA analogue input
 This is an analogue input.

13. 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.

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

14. DC 5V power

Please connect ZEN CAN Signature to the enclosed power supply, ZEN CAN Signature must ONLY be powered by 5 volts.

Specifications

Max Output:

Balanced	>15.1V/385 mW (@ 600Ω)
	>6.2V/1200 mW (@ 32Ω)
UnBAL	>7.6V/98 mW (@ 600Ω)
	>7.2V/1600 mW (@ 32Ω)

THD + N:

Balanced	<0.006% (@ 360 mW/2.4V 16Ω)
UnBAL	<0.005% (@ 100 mW/1.27V 16Ω)

SNR:

Balanced	>121dBA (@ 15.2V)
UnBAL	>120dBA (@ 7.6V)

Max. Input:

Balanced	7.4V RMS
RCA	3.8V RMS
3.5mm	1.92V RMS

Gain:

0dB, 6dB, 12dB and 18dB

Frequency Response:

10Hz - 200kHz (-3dB)

Power supply requirement:

DC 5V/25A (centre +ve)

Power consumption:

No Signal ~5W

Max Signal ~13W

Dimensions:

158 x 117 x 35 mm (6.2" x 4.6" x 1.4")

Net weight:

550g (1.21 lbs)

Limited Warranty:

12 months*

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

**Specifications are subject to change without notice.