

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

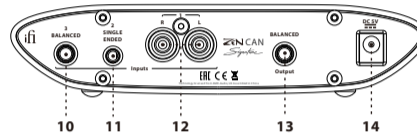
The XSpace (on/off) recreates a holographic sound field. It is a pure analogue signal processing circuit designed for listening to headphones as if one was listening to speakers. This addresses the 'music inside the head' sensation, which makes for unsettling listening.

*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.