

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

#### 1. Power switch

This is the power switch.

#### 2. Input channel switch

Use the button to choose between the following input options:

Input 1: RCA

Input 2: Single-ended 3.5mm

Input 3: Balanced 4.4mm

#### 3. Gain selection: 0dB/6dB/12dB/18dB

Always start from 0dB and then increase the 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 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. 3D® Matrix LED

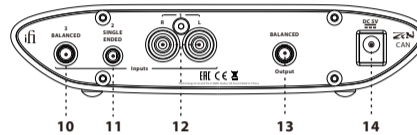
The 3D® Matrix (on/off) recreates a holographic sound field. It is a pure analogue signal processing circuit designed for listening to headphones as if one was listening to speakers. This addresses the 'music inside the head' sensation, which makes for unsettling listening.

*Tip: Sonically-hindering DSP is NOT used for XBass® nor 3D® Matrix 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
- 3D®
- XBass®



#### 10. Balanced 4.4mm analogue input

This is a balanced analogue input.

#### 11. Single-ended 3.5mm 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 is balanced, this is the recommended output.*

#### 14. DC 5V power

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

*Tip: For best performance upgrade the enclosed power supply to a super-low noise power adapter such as ifi iPower or iPower X.*

#### Specifications

**Input voltage:** DC 5V/2.5A  
AC 100-240V, 50/60Hz (Power supply included)

#### Max Output:

Balanced: >15.1V/385 mW (@ 600 Ohm)

>6.0V/1150 mW (@ 32 Ohm)

S-E: >7.6V/98 mW (@ 600 Ohm)

>7.2V/1600 mW (@ 32 Ohm)

#### THD & N:

Balanced: <0.006% (@ 360 mW/2.4V 16 Ohm)

S-E: <0.005% (@ 100 mW/1.27V 16 Ohm)

#### SNR:

Balanced: >120dB (@ 15.2V)

S-E: >118dB (@ 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: 20Hz - 20kHz (-3dB)

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: 515g (1.14 lbs)

Warranty period: 12 months

*Specifications are subject to change without notice.*