

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.

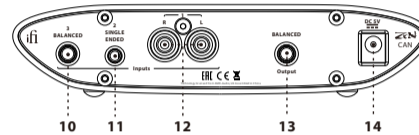
**6. Balanced 4.4mm analogue output**  
For connecting balanced 4.4mm headphones.  
*Tip: As ZEN CAN is balanced, we recommend the 4.4mm output.*

**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, the super-silent iPower. ZEN CAN must ONLY be powered by 5 volts.

*Tip: For best performance upgrade iPower to an ultra-low noise iPower X 5V or iPower Grande 5V power supply.*

**Specifications**

<b>Input voltage:</b>	DC 5V/2.5A AC 100-240V, 50/60Hz (iFi iPower included)
<b>Max Output:</b>	
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)
<b>THD &amp; N:</b>	
Balanced:	<0.006% (@ 360 mW/2.4V 16 Ohm)
S-E:	<0.005% (@ 100 mW/1.27V 16 Ohm)
<b>SNR:</b>	
Balanced:	>120dBA (@ 15.2V)
S-E:	>118dBA (@ 7.6V)
<b>Max. input:</b>	
Balanced:	7.4V RMS
RCA:	3.8V RMS
3.5mm:	1.92V RMS
<b>Gain:</b>	0dB, 6dB, 12dB and 18dB
<b>Frequency Response:</b>	20Hz - 20kHz (-3dB)
<b>Power consumption:</b>	No Signal ~5W Max Signal ~13W
<b>Dimensions:</b>	158 x 117 x 35 mm 6.2" x 4.6" x 1.4"
<b>Net weight:</b>	515g (1.14 lbs)
<b>Warranty period:</b>	12 months

*Specifications are subject to change without notice.*