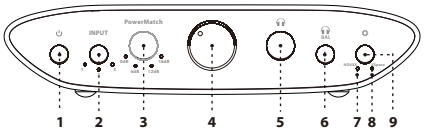
ZEN CAN Signature 6XX



Thank you for purchasing the CAN Signature 6XX from ZEN series. The CAN Signature 6XX is a balanced headphone amplifier optimized for Sennheiser HD 6XX headphones.

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 to start from 0dB and then increase 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 the Sennheiser HD 6XX headphones use balanced design, we recommend the 4.4mm balanced output.

7. HD 6XX LED

Headphone corrections optimized for Sennheiser HD 6XX headphones.

8. XSpace® Matrix LED

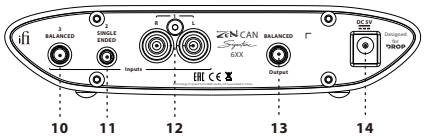
The XSpace® Matrix(on/off) recreates a holographic sound field. It is a pure analogue signal processing circuit designed for listening to headphones as if one was listening to speakers. This addresses the 'music inside the head' sensation, which makes for unsettling listening.

Tip: Sonically-hindering DSP is NOT used for HD 6XX nor XSpace® 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
- HD 6XX
- XSpace®



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 the ZEN CAN Signature 6XX is balanced, this is the recommended output.

14. DC 5V power

Please connect the ZEN CAN Signature 6XX to the enclosed power supply, the super-silent iPower X. The ZEN CAN Signature 6XX must ONLY be powered by 5 volts.

Specifications

Input voltage:	DC 5V/2.5A AC 100 -240V, 50/60Hz (iFi iPower X included)
Max Output:	
Balanced:	>15.1V/385 mW (@ 600 Ohm) >11.0V/1890 mW (@ 64 Ohm) >6.2V/1200 mW (@ 32 Ohm)
S-E:	>7.6V/98 mW (@ 600 Ohm) >7.4V/870 mW (@ 64 Ohm) >7.2V/1600 mW (@ 32Ohm)
THD & N:	
Balanced:	<0.006% (@ 360 mW/2.4V 16 Ohm)
S-E:	<0.005% (@ 100 mW/1.27V 16 Ohm)
SNR:	
Balanced:	>121dBA (@ 15.2V)
S-E:	>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 consumption:	No Signal ~5W Max Signal ~12W
Dimensions:	158 x 117 x 35 mm 6.2" x 4.6" x 1.4"
Net weight:	550 g (1.21 lbs)
Warranty period:	12 months

Specifications are subject to change without notice.