

xCAN

KILLER BLUETOOTH. BALANCED COMBO.



INTRODUCTION

iFi has torn up the rulebook and taken music into the future with the **xCAN** portable headphone amp.

At home or on the go, our latest headphone amplifier boosts headphones with audio that's ahead of its time.

THE POWER WITHIN

The **xCAN** is a portable dual-mono wired/wireless headphone amplifier delivering a stunning 1000mW of power per channel. It offers balanced in/out to take full advantage of the growing availability of balanced sources and headphones

With full analogue volume control, which retains full-resolution at all volume levels, the **xCAN** is a sonic step up for smartphones, digital audio players and computers.

THE ONLY WAY TO LISTEN

Its selectable 3D+[®] and XBass II[®] functions bring both sensitivity and power to the listener. XBass II[®] takes what it's predecessor, XBass+, could do and ramps it up to produce a cleaner, tighter, deeper bass that can also address the middle frequencies.

THE COMPLETE AUDIO EXPERIENCE

The **xCAN** delivers live quality Bluetooth connectivity via AptX and AAC and is capable of storing up to eight wireless devices at once.

The retail price of the xCAN is US\$299 (ex-tax) or €349/£299 (incl. VAT).

IN A NUTSHELL

The **xCAN** is a next generation portable headphone amplifier.

With more than 1000mW of power per channel, full analogue volume control, 3D+ Matrix and XBass II[®] and optional aptX and AAC Bluetooth, the **xCAN** is a sonic step up for smartphones, digital audio players and computers.



FEATURES

Headphone Circuit



BALANCED ON THE GO

The xCAN rocks a dual-mono headphone amplifier with 1000mW of power per channel which can unleash the full potential of both 32ohm and 600ohm headphones. The xCAN offers balanced in/out to take full advantage of the growing availability of balanced sources and headphones. The 2.5mm balanced headphone jack means that the xCAN can be used to boost the amplification of high end DAPs.



S-BALANCED

The iFi exclusive S-Balanced technology delivers the maximum performance from single-ended and balanced headphones alike. The S-Balanced (single-ended compatible balanced) 3.5mm headphone output delivers the benefits of the balanced connection to single-ended headphones. Reap the advantages of balanced wiring, enjoy lower distortion and reduced crosstalk.



BLUETOOTH. BETTER.

The xCAN delivers CD-Quality Bluetooth via AAC and aptX with added iFi magic. Stream from your smartphone or TV via Bluetooth to the xCAN - no need for wires. Just plug your headphones into the xCAN at your side for the best Bluetooth sound around.



AUDIO AS YOU'VE NEVER EXPERIENCED BEFORE

Our 3D HolographicSound+® system creates a more engaging sound and puts the performer on stage in your home. Our new XBass II® adds even more musical satisfaction. It now adds that extra natural quality to the midrange! The XBass II® analogue bass correction system corrects headphone/speaker bass response to deliver a more natural sound to the midrange frequencies.



BRAND NEW 'CYBERDRIVE'

The 'Cyberdrive' headphone amplifier stage is one of the pivotal new circuit designs in the xCAN. This new design places all parameters of the *fully analogue system under digital control* for a 'best of both worlds scenario'. Performance is increased, both noise and distortion are lowered. Find out more about 'Cyberdrive' and how else it enhances the xCAN on our website.



BATTERY POWER

A large 2200mAh Lithium-Polymer battery provides up to 18 hours of playback time (analogue) or 12 hours (Bluetooth) depending on your choice of headphones. Charging is via separate, dedicated USB port.

WHO WILL USE THE xCAN?

With a 1000mW of power per channel, the main focus of the **xCAN** is to be a portable amplifier above all else.

Potential Users:

- Night-owls. Those who wish to watch TV or indulge in late night gaming sessions without disturbing the rest of the household. They can plug their preferred headphones into the **xCAN**, pair it via Bluetooth with their smart TV and enjoy powerful, wireless hi-res audio from the comfort of their favourite armchair or while relaxing in bed. The xCAN solves the issues of short or untidy cables.
- Users of high-end DAPs (Digital Audio Players). High-end DAPs such as those by Astell & Kern and Fiio have excellent onboard DACs but tend to suffer when it comes to amplification. The price point of the **xCAN** makes it a viable addition to their existing source.
- Individuals who are willing to accept the digital analogue conversion in their current source but want an amplification boost with Bluetooth capability at an unbeatable price point.



CONNECTIONS



3.5mm Analog Audio



3.5mm Analog Audio



3.5mm Analog Audio



TECHNICAL SPECIFICATIONS

Max Output	S-Balanced:	> 3.8V / 45 mW (@ 300 Ohm) > 3.5V / 380 mW (@ 32 Ohm) > 3.1V / 600 mW (@ 16 Ohm)
	Balanced:	> 7.6V / 90 mW (@ 600 Ohm) > 7.2V / 800 mW (@ 64 Ohm) > 5.7V / 1,000 mW (@ 32 Ohm)
THD & N	S-Balanced:	< 0.005% (@ 100 mW/1.26V 16 Ohm)
	Balanced:	< 0.006% (@ 360 mW/2.4V 16 Ohm)
SNR	S-Balanced:	> 121dBA (@ 3.8V)
	Balanced:	>120dBA (@ 7.6V)
Recommended HP Impedance:		16~600 Ohm
Max. Input	S-Balanced:	3V RMS
	Balanced:	6V RMS
Gain:		-95dB to +18dB adjustable in 114 1dB steps (using volum
Frequency Response:		< 2Hz - > 200kHz (-3dB)
Playback Time:		> 18 hours (analogue)
		> 12 hours (Bluetooth) (charging via USB port)



About us

At iFi (pronounced 'eye-fi') we design and manufacture high-end audio equipment - DACs, headphone amplifiers, phono stages, pre-amps, all-in-ones and a range of signal and power accessories. The company launched at RMAF 2012 with 4 units, won an EISA for Best Product in 2014-15, and now we have over 30 multi-award winning products in our portfolio.

Today, we have a global presence spanning all the major markets. Our retailers range from B&H Photo (NYC) to Virgin Megastore (Dubai) to Yodobashi Camera (Tokyo).



For further information and product reviews, please go to ifi-audio.com

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