SIMPLY JAW DROPPING

IN A NUTSHELL

The iFi Pro iDSD is a revolutionary DAC that combines a number of different features to give your home audio system the best possible playback resolution and sound. It can handle all audio formats to DSD1024 or DSD512 or PCM 768K with user-selectable digital filters.

Having sparked a revolution with its low-cost DACs that offered music fans portable 256 stereo for less than £500 a few years ago, iFi has maintained its position at the vanguard of the audio world with the launch of the ground-breaking Pro iDSD. There is simply nothing like it.

We have paid great attention to every section of this DAC/headphone-amp/preamp – no stone has been left unturned. Tried and tested classic noise reduction techniques found in tube equipment have been combined with cutting-edge, 21st century technology to deliver a superlative performance.

The quad section uses a quad "stack" of Bit-Perfect DSD and DXD DACs by Burr-Brown in a custom "interleaved" configuration. This arrangement enables a total of eight pairs of differential signals to be used and mixed totalling four pairs of signals per channel.

WIRELESS PLAYBACK
With LINKPLAY™ WiFi/network playback, built-in Spotify and Tidal, and wide protocol support for 32-Bit/192kHz and DSD64, the Pro iDSD can directly link to a router for online music play. This gives it the option to:

- Play direct from SD card
- Link to a router and directly stream (TIDAL/MQA, Spotify etc)
- Use DLNA (Digital Living Network Alliance) via music stored on HDD

It's taken a while to come to market but, boy, has it been worth it. This innovative digital engine will shape the next generation of iFi products and they will rock the digital world.

The retail price of the Pro iDSD is US$2,499 (ex-tax) or €2,749/£2,499 (incl. VAT).

The gang of four
A quad "stack" of Bit-Perfect DSD and DXD DACs by Burr-Brown work in a custom "interleaved" configuration so that up to eight pairs of differential signals can be used and mixed.

Digital Processing
The new XMOS XU216 X-Core 200 Series 16-Core processor has a maximum of 2,000 MIPS (two billion instructions per second) calculation power in dual-issue mode as a USB interface.

Crysopeia FPGA Digital Engine
The FPGA excels, by handling the up-sampling duties to attain the DSD1024 audio format. In fact, the Pro iDSD can handle all audio formats to DSD1024 or DSD512 or PCM 768K with user-selectable digital filters.

Wireless playback
With LINKPLAY™ WiFi/network playback, built-in Spotify and Tidal, and wide protocol support for 32-Bit/192kHz and DSD64, the Pro iDSD can directly link to a router for online music play.

Many format options
It can handle all audio formats to DSD1024 or DSD512 or PCM 768K with user-selectable digital filters and also gives the user the option to listen to tracks via MQA.

Sample Rates: PCM up to 768kHz
DSD up to 24.576MHz
DXD and double speed DXD (2xDXD)

Inputs: USB (required for DSD, DXD and sample rates above 192KHz)
AES3 (XLR - single link)
SPDIF (RCA/Optical combo)
BNC multifunction In (SPDIF/AES3id In, DARS In, 10MHz In, Atomic clock in)
BNC multifunction Sync Out (DARS out, 10MHz out)

Outputs: Balanced XLR at 4.6V (+15.5dBu - HiFi) or 10V (+22dBu - Pro)
Single Ended RCA at 2.3V (HiFi) or 5V (Pro)
Headphones 6.3mm & SE 3.5mm Jack at 0.55V/2.1V/5V
Headphones BAL 2.5mm Jack at 1.13V/4.6V/10V
Headphones out 1,500mW RMS X 2 @ 64 ohm, 4,000mW max. 2 X @ 16 Ohm

Volume Control: Balanced (quad) Alps potentiometer, motorised with IR remote control
XLR/RCA outputs can be selected as fixed level or adjusted
6.3mm Headphone Jack is always adjusted

Other Functions: Various digital and analogue filters can be selected for DSD and PCM up to 192KHz

PCM Filters: Bit perfect (no digital filter, minimal analogue filter)
44.1 - 192KHz, always used for 352.8 - 768kHz
Bit perfect II (no digital filter, analogue filter corrects HF roll-off)
44.1 - 96kHz
Minimum Phase (Filter minimises pre- and post-ringing)
44.1 - 192KHz
Standard FIR (Brickwall Filter)
44.1 - 192KHz
Additional fixed second order analogue filter @ 80kHz

DSD Filters: Four different filters (selectable) with varying bandwidth
additional fixed second order analogue filter @ 80kHz

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 Yodabashi Camera (Tokyo).

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