

NANO IDSD BLACK LABEL



PART 1. YOUR MOBILE MUSIC – SUPERCHARGED

At iFi, we strive to look at what's in front of us, predict what audio enthusiasts might enjoy, then develop a solution, execute it in our unerring fashion and deliver as much musical goodness as is humanly and technologically possible.

Imagine for a moment the original, EISA award winning nano iDSD touched by the magical hands of the micro iDSD Black Label boffins.

This is the new **nano iDSD Black Label**.

In short, the **nano iDSD Black Label** is a petite, portable audio converter with classy headphone amplifier. It is unique, convenient and packs a punch. Music on the go just changed for the better. And best of all, its real-world price is perfect for the smartphone crowd to 'supercharge their mobile music'.

1. MOBILE MUSIC LIKE NEVER BEFORE



With the launch of the iPhone X and Essential Phone, smartphones are becoming ever more powerful. With unrivalled convenience, portable music has never been so good...

...and is about to get a whole lot better with the launch of the **nano iDSD Black Label**.

Just add the BL to your smartphone and get ready for a whole new level of music streaming from Spotify, Tidal MQA, and Apple Music.

2. HEADPHONE HEAVEN



The **nano iDSD Black Label** is petite but beneath the unassuming exterior hides a wealth of improvements to the original nano iDSD.

In particular, for headphone lovers, it boasts the following standout features that other more expensive portable DACs just don't have.

- Max output power (32R) around 10 times that of iPhone 6 (285mW vs. 27mW)
- The new S-Balanced technology means headphone channel separation is unchanged with load (requires balanced wired IEMs or headphones to benefit)
- Running a high-voltage Direct Drive Amp, the BL gets 3.5V into high impedance headphones making it suited even for 600 Ohm headphones. It will drive HD650s to 115dB.
- The inbuilt iEMatch means it can drive high sensitivity headphones at 0.5V with a dynamic range that is virtually identical to that at "normal" output at 2V. It drives Shure SE535s to 122dB.



Tech Notes

Southport, UK – November 2017
nano iDSD Black Label

3. BLACK MAGIC INGREDIENTS



Tantalum Capacitor

As is the AMR/iFi style, we always like to use components that go 'above and beyond' the norm and push the tech just that one bit further.

So appealing to the techy hidden in everyone, we are proud to list the following components that give the **nano iDSD Black Label** the edge. These components are just not found in other DACs or amps at two or three times the price.

From TDK to Panasonic SMD components to the analogue volume control, the new nano iDSD has it all.

See Part 3 for a look at what's inside this 'foot tappin' piece of kit.

PART 2: FEATURES OF THE NANO iDSD BLACK LABEL

1. ULTRA HIGH-RESOLUTION AND FUTURE-PROOFED



With full high-resolution support from MP3 up to DSD256 and MQA, the **nano iDSD Black Label** delivers the best audiophile quality audio, both on the go and at home.

The USB input makes it easy to use, wherever you are.

It includes MQA compatibility so get streaming TIDAL and let the **nano iDSD Black Label** take care of the rest.

2. USB INPUT – ON THE GO AND AT HOME



The **nano iDSD Black Label** has a special USB male 'A' connector for direct connection.

On-the-go use a USB to lightning or OTG connector respectively to connect to Apple or Android.

Or at home, use the enclosed USB3.0 cable to connect to a PC.

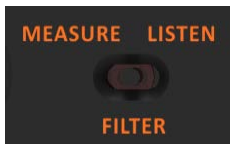
Stream Apple Music/Google Play/Spotify/Tidal/Youtube content from your phone at a whole other level of quality. Add kick-a** sound to your gaming by connecting your console or a computer.

3. JUST ONE OR TWO BITS FOR THE TECHIES...



BURR BROWN INSIDE

Proper d/a conversion is a must and here the Burr-Brown DACs have what it takes. Not only to achieve great sound, but also to have truly native DSD and PCM data streams.



LISTEN & MEASURE / DIGITAL FILTER

The advanced minimum phase (Bezier) 'Listen' digital filter has been optimised for sound quality and enjoyment. We recommend this setting be left on permanently.

However, some people prefer the sound of standard FIR linear phase filters, or are required to take objective performance measurements. In this case alternatively, select 'Measure'. Horses for courses...



Tech Notes

**Southport, UK – November 2017
nano iDSD Black Label**

Zero Jitter

ASYNCHRONOUS USB AUDIO SYSTEM WITH ZERO JITTER® MEMORY BUFFER

Asynchronously working USB input is crucial for good sounding audio and we don't cut corners here. When the signal is properly buffered and REclocked, the essence of the music is preserved.

ZERO JITTER® MEMORY BUFFER TECHNOLOGY

To have a very precisely buffered digital signal before it goes to a DAC is a mandatory choice. We pushed the envelope even further by doing the same thing not only with **nano iDSD BL's** USB input, but the rest of available digital interfaces as well.

iPURIFIER BUILT-IN TO REDUCE USB NOISE

As with its larger brethren, the **nano iDSD Black Label** also has iPurifier technology built-in to reduce USB power line noise and REbalance the USB signal.

NANO AIRCRAFT-GRADE ALUMINIUM CASE WORK

Aluminum is unbeatable in EMI/RFI handling, hence it was the only viable option for the **nano iDSD Black Label**.

PART 3: iDSD BL - 'SPECIAL KINDA MAGIC'

As is the AMR/iFi DNA, we love to audition and vet new parts as they come onto the market and where possible, use the ultimate components. Whereas some shun internals pictures, we always strive to show 'what's under the hood' as customers like to make informed purchasing decisions based upon sonics and outright 'sound for the pound'.

The **nano iDSD Black Label**, while very affordable, is packed to the rafters with boutique components. Here are just a few:

- 1) Thin Film Resistors for audio section (lower noise & distortion than standard metal film or carbon film types).



- 2) Tantalum Polymer Capacitors for Power Supplies



- 3) TDK COG capacitors for the analogue filter



- 4) Panasonic ECPU Film Capacitor for critical DAC reference voltage.



- 5) Analogue volume control potentiometer for best sound quality.





Tech Notes

Southport, UK – November 2017
nano iDSD Black Label

- 6) Dual-Mono Headphone amplifier with 3.5mm TRRS balanced wiring all the way to the amplifier, despite the amplifier being single-ended this delivers all the benefits of balanced wiring.



- 7) Built-in iEMatch using MELF resistors for transparent matching of very sensitive headphones and/or IEMs.



The parts, the circuitry, the implementation is something else and makes the **nano iDSD Black Label** a worthy successor to the original nano iDSD. It just goes up against the best out there and kicks sand in their face.

THE FINAL WORD

We hope you enjoyed this brief overview of the **nano iDSD Black Label**.

It is one of the few portable, truly audiophile DACamps out there and the fact that it is priced appealing to the real-world means many are going to enjoy their music a whole lot more without being excluded by the price.

So, get your toes a tapping to the file format of your choice and give the new **BL** a whirl.



About iFi

iFi audio is headquartered in Southport, UK. It is the sister brand of Abbingdon Music Research (AMR). They respectively design and manufacture portable and desktop 'ultra-fidelity' audio products and high-end audio 'home-based' components. The combined in-house hardware and software development team enables iFi audio and AMR to bring to market advanced audio products.

Full product info: <http://ifi-audio.com/>

High-resolution photos & official logos: <http://mediaportal.ifi-audio.com/>

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