iDSD DIABLO

USB DAC Headamp
Octa-Speed DSD512/PCM 32bit/768kHz
MQA/Fully balanced 4.4mm output

Burr-Brown® chipset True Native DSD
Bit-Perfect DXD/PCM

Headamp Turbo® 19.2V/4,100 mW
to drive ANY headphone

Hi-Res Audio Streaming

Fully balanced circuitry

Find your iDSD DIABLO

At the heart of **iFi iDSD Diablo** beats the specially selected Burr Brown™ True Native chipset in a dual-core configuration, treating you to the ultra-high-resolution that is second to none.

This aggressively curvaceous headphone amp spiced up with the deep, prodigious bass and the fully balanced circuitry will take you for a ride through the world of ultimate performance, you will never forget. The pure performance Diablo edition designed for the true audiophiles, liberated from any unnecessary, extra features aims to keep the sound as close to its natural form as possible.

Packed under this all-new model's hood, just like in a luxurious car, are the turbocharged Bit-Perfect' octa-speed DSD512 and double-speed DXD (705.6/768kHz), making **iDSD Diablo**'s superspeed, not mere hyperbole.

Thanks to iFi-designed, cutting-edge technological innovations such as Direct-Drive™ and Headamp Turbo™, devilishly powerful **iDSD Diablo** drives ultra-sensitive in-ear monitors just as well as the most demanding over-ear headphones with an unswerving authority.

Matching Bi-polar transistors welcome you to the dangerously addictive symphony of natural sound with extraordinary low distortion (THD + N ≈ 0,00002%). Equipped with the iFi custom ultra-low noise OV2028 and OV2627 Op-amps, **iDSD Diablo** will take your music to the sonic stratosphere.

FEATURES:

- Octa-DSD512/PCM768 and 2X DXD.
- Dual-Core Native DSD/PCM Burr-Brown™ chipset.
- Fully balanced 4.4mm output.
- Digital inputs: USB 3.0 type 'A' (USB2.0 compatible) /S-PDIF (3.5mm coaxial/optical).
- Analogue outputs: 4.4mm Balanced.
- Headphone outputs: 4.4mm Balanced/6.3mm Single-Ended.
- Performance boosting Direct-Drive™ and Headamp Turbo™.
- Zero Jitter/Femto clock system upgraded for lower phase-noise/jitter*.
- Digital engine upgraded with iFi custom ultra-low noise Op-Amp OV2028*.
- Analogue section upgraded with iFi custom ultra-low noise Op-Amp OV2627*.
- Ultra-low impedance OS-CON polymer capacitors and Panasonic audio-grade ECPU film capacitors*.
- Ultra-low noise iPower 5V power supply*.

***Diablo** edition

SPECIFICATIONS:

Digital Inputs: USB 3.0 type 'A' (USB2.0 compatible)/S-PDIF (3.5mm coaxial/optical)

Formats: DSD512/256/128/64, Octa/Quad/Double/Single-Speed DSD
DXD (768/705.6/384/352.8kHz), Double/Single-Speed DXD
PCM (768/705.6/384/352.8/192/176.4/96/88.2/48/44.1kHz)
MQA

Frequency Response: 10Hz-80kHz (-3dB)

SNR:
Balanced: -120dB
S-E: -114dB

Dynamic range:
Balanced: -120dB
S-E: -114dB

THD + N:
Balanced: 0.002%
S-E: 0.001%

Headphone Max Output power:
Balanced: >19.2V/611 mW (@ 600 Ohm)
S-E: >12.6V/4,980 mW (@ 32 Ohm)
>9.6V/153 mW (@ 600 Ohm)
>8.8V/2,417 mW (@ 32 Ohm)

Fixed Audio Output: Balanced 4.4mm

Power consumption:
Turbo: 12W
Normal: 5W
Eco: 2W

Battery: Lithium-polymer 4800mAh

Power System: Charging via USB-C (iFi iPower included),
BC V1.2 compliant up to 1900mA charging current

Dimensions: 166 x 72 x 25 mm
6.5" x 2.8" x 1.0"

Net Weight: 330 g (0.73 lbs)

Warranty period: 12 months

**Specifications are subject to change without notice.*

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Ver1.1

S/N

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iDSD DIABLO

'iDSD Diablo' versus other leading DSD DACs

iDSD Diablo		**Octa-Speed DSD512**
Others		**Quad-Speed DSD256**

'iDSD Diablo' versus other leading PCM DACs

iDSD Diablo		**Double-DXD/PCM 768kHz**
Others		**HD/384kHz**