

96mm
268mm

212.5mm




## iFi DSD Diablo 2

Ultra-Res portable DAC / headphone amplifier with Lossless Bluetooth



True Lossless Bluetooth Audio



Compatible with xMEMS microspeaker technology



Hi-Res Audio Streaming



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



Headamp Nitro® 19.2V or 5.180 mW to drive ANY headphone



Supports DSD 512 (22.6/24.6MHz) and PCM 768kHz natively



Fully balanced circuitry



Delivers up to 5,180mW of prodigious power

96mm

212.5mm

**CONNECTIONS**

- Digital inputs:
  - 1x USB-C
  - 1x balanced 4.4mm
  - 1x balanced 4.4mm
  - 1x 6.3mm
- Headphone outputs:
  - 1x balanced 4.4mm
  - 1x 6.3mm
- Power/recharging:
  - 1x USB-C

**GENERAL**

- Multiple operational modes – pure DAC and DAC/headphone amp
- High-capacity lithium-ion battery provides long runtime despite extreme amp power
- Supplied with Diablo 2 desktop stand and custom-made travel case
- Enhanced FuelWire fully balanced twin-mono circuit design delivers ultra-low distortion
- Servoless Direct Drive and Optimaloop enhance performance to unparalleled heights
- Match optimizes output to suit high-sensitivity in-ear monitors
- Top-grade adjustable circuit components deliver exceptional sonic purity
- Three power modes: Normal for mid-sensitivity headphones, and Nitro for demanding headphones with a 19.2V max output
- Custom bias, EQ and amp circuits for next-generation xMEMS headphone driver technology
- Assisting 5.180mW of power (max) – drives the toughest headphone loads with consummate ease
- Advanced jitter reduction – enhanced GMT femto-precision clock and smart storage cache
- Dual-core DAC design enables true-native DSD and PCM
- Ultra-Res digital audio – 32-bit/768kHz PCM, DSD512 and full MQA decoding
- Every Bluetooth format supported: aptX Lossless, aptX Adaptive, LDAC, LHDC/HWA and more
- Without compromising quality
- Features the latest aptX Lossless™, the only Bluetooth codec that can stream CD-quality audio

**SPECIFICATIONS**

**Digital**

- Hi-res support
- Bluetooth formats
- LHDC/HWA, AAC, SBC
- aptX Lossless, aptX Adaptive, aptX™, LDAC™
- 768kHz PCM, DSD512 (22.6MHz); full MQA decoding

**Headphone output power**

- 4-imp (Max)
- 6.5mm (Max)
- > 11.5V/2066mW (@ 6Ω)
- > 8.1V/2050mW (@ 32Ω)
- > 28Vp (Balanced 4.4mm), 22Ω, 10-14V DC bias

**Line output power**

- Output power – xMEMS
- 4mm (RMS)
- 6.5mm (RMS)
- 0.002% @ 0dBFS (200KΩ load)

**THD+N**

- SNR
- ±114dB(A)
- ±2100

**General**

- Power consumption
- Nitro 17W; Turbo 5W; Normal 2W; xMEMS 8W
- Battery
- Lithium-polymer 880mAh
- Charging
- Via USB-C – BC 1.1.2 compliant up to 1900mA
- Dimensions
- 166x85x28.5mm (6.5"x3.3"x1.1")
- Net weight
- 455g (1.01lb)
- Limited warranty
- 12 months\*
- \*Not applicable for non-residential use
- \*Not applicable for non-residential use

**CONTENTS**

- DSD Diablo 2
- Power 2 (5V)
- USB-C cable
- USB-C to USB-A adapter
- USB-C to USB-A adapter
- FOCALink optical adapter
- Traveler
- Diablo 2 desktop stand
- 3.5mm to 6.5mm headphone adapter
- Instruction card
- Quick start guide

212.5mm

Dressed in devilish red, iFi's premium-level portable DAC/headphone amp sports a superbly powerful engine under the hood, expertly tuned to deliver an exhilarating sonic performance. Leading-edge digital audio technology combines with a fully balanced dual-mono analog circuitry, packed in a robust aluminum enclosure that's debily formed on a desk or table, yet equally at home in a full-size high-end audio system. Use it at home, in the office, take it with you when you travel – the iFi DSD Diablo 2 is the definitive portable DAC/headphone amplifier for the most discerning of music lovers.



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