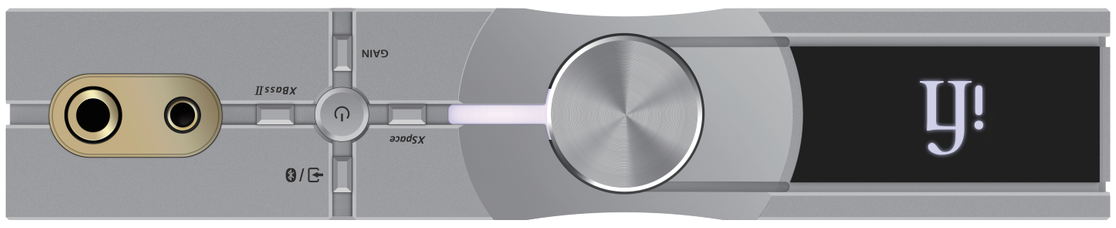

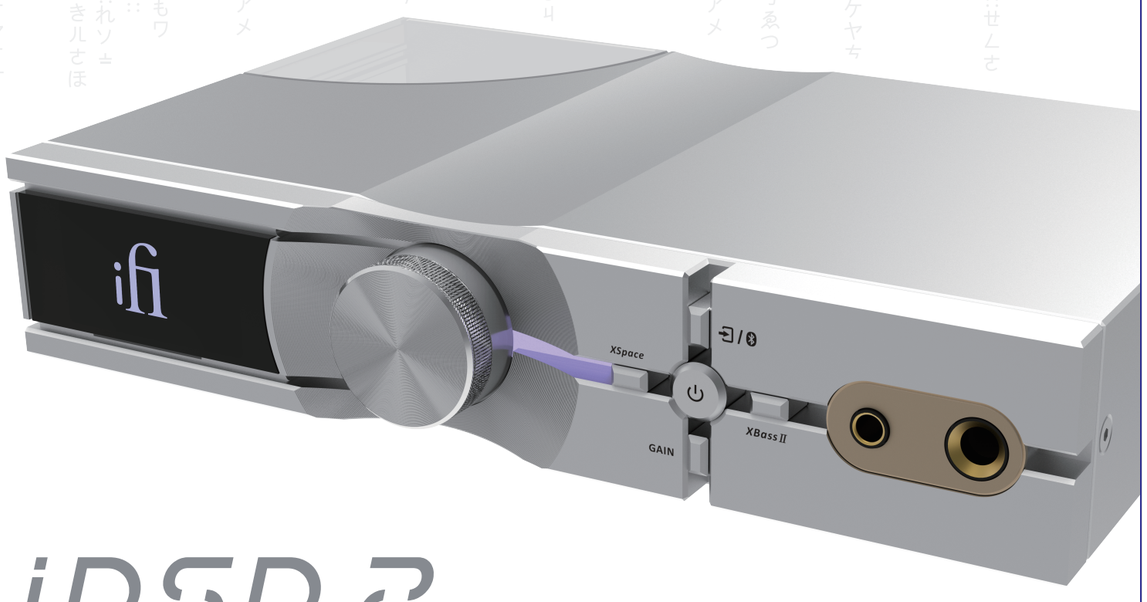

NEO iDSD 2

Ultra-Res DAC + headphone amplifier

Hi-Res Audio Streaming

5 times more powerful than its predecessor

True Lossless Bluetooth Audio

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

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

Fully balanced performance

NEO iDSD 2

A cornerstone of iFi's NEO series of compact audio components, the second-generation NEO iDSD DAC/headphone amp sports a host of upgrades to improve upon its award-winning predecessor. A custom-designed ultra-resolution digital engine, state-of-the-art lossless Bluetooth and redesigned PureWave fully balanced analogue circuitry combine to deliver a captivating sonic experience, whether you're listening with headphones or through a speaker-based home system. Fusing unrivalled versatility with class-leading performance, the NEO iDSD 2 is every music lover's perfect housemate.

FEATURES

- Versatile audio hub: DAC, preamp and headphone amp
- Ultra-Res digital audio – 32-bit/784kHz PCM, DSD512 and full MQA decoding
- Dual-core DAC design enables true-native DSD and PCM
- Advanced jitter reduction – GMT femto-precision clock and smart storage cache
- Four user-selectable digital filters – fine-tune sound to suit the source material
- State-of-the-art HD Bluetooth 5.4 – fully optimised performance, whatever your source device
- Every Bluetooth format supported: aptX Lossless, aptX Adaptive*, LDAC*, LHDC/HWA and more
- Enhanced PureWave fully balanced dual-mono circuit design delivers ultra-low distortion
- Exceptional power drives the toughest headphone loads (5x the power of the first-gen NEO iDSD)
- Four gain settings to suit all IEM and headphone types, from super-sensitive to power-hungry
- XSpace and XBass II – adjust soundstage and frequency response to match your headphones
- iPower 2 included – audiophile AC/DC power supply with Active Noise Cancelation
- Position horizontally or vertically – 2-inch colour display rotates to suit orientation

CONTENTS

- NEO iDSD 2
- iFi iPower 2
- Stereo RCA Cable
- USB 3.0 Type A to B Cable
- 3.5 to 6.3 mm headphone adapter
- Stand for vertical placement
- Quick Start Guide
- Instruction card
- Remote control handset

CONNECTIVITY

- Digital inputs: 1 x USB-B; 1 x optical; 1 x coaxial; Bluetooth 5.4
- Analogue inputs: 1 x 3.5mm
- Analogue outputs: 1 x balanced XLR (L/R); 1 x RCA (L/R)
- Headphone outputs: 1 x balanced 4.4mm; 1 x 6.3mm
- Clock sync inputs for external master clock

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SPECIFICATIONS

Digital stage

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

Line stage

Line output – XLR	19.5V max. (variable); 4.4V (fixed)
Line output – RCA	10.5V max. (variable); 2.2V (fixed)
Output impedance	XLR ≤102Ω; RCA ≤51Ω
SNR	≥120dB(A) @ 0dBFS
DNR	≥120dB(A) @ -60dBFS
THD+N	<0.0015% @ 0dBFS

Headphone stage

Output Level – 4.4mm	3.5V/19.5V max. (12Ω - 600Ω headphones)
Output Level – 6.3mm	4.5V/9.5V max. (12Ω - 300Ω headphones)
Max.^ Output power – 4.4mm	>19.5V/650mW (@ 600Ω); >13.3V/555mW (@ 32Ω)
Max.^ Output power – 6.3mm	>10.5V/184mW (@ 600Ω); >9.5V/283mW (@ 32Ω)
RMS. Output power – 4.4mm	>12.7V/253mW (@ 64Ω)
RMS. Output power – 6.3mm	>8.4V/224mW (@ 32Ω)
Output impedance	≤1Ω , Enable iEMatch ≤7Ω
SNR	≥120dB(A) (3.3V 6.3mm/6.2V 4.4mm)
DNR	≥120dB(A)
THD+N	<0.0015% (125mW @ 32Ω)

General

Power supply requirement	DC 9V/1.5A - 15V/0.9A (centre +ve)
Power consumption	No signal ~5W; Max signal ~13.5W
Dimensions	214x158x41mm (8.4"x6.2"x1.6")
Net weight	916g (2.0lbs)
Limited warranty	12 months*

*12 months typical or as permitted/required by local reseller laws. ^See FAQ at ifi-audio.com for more information.

**Specifications are subject to change without notice.

型号 型号: Registration No. R-R-iFi-NEOIDSD2 R220-JP6613

FCC ID: 2ASQJ-IFINEOIDSD2

Technology licensed from AMR (UK).
Assembled in China.
Ver1.4

CE REP
ABBINGDON EU BV
Mercatorweg 28 Arnhem 6827 DC Netherlands

UK
Abbingdon Global Limited
79 Scarisbrick New Road, Southport, PR8 UK

iFi audio

S/N:

97 mm

189 mm

97 mm

189 mm

260 mm