

HiFi Choice (UK) – ADL X1 Review January 2015







Denon DA-300USB £329 p29 This desktop DAC/

headphone amp from respected AV brand Denon comes with a stand so that it can sit upright, and incorporates the company's proprietary Advanced AL32 processing as found on its upmarket disc players.



ADL X1 £395 p31 A portable DAC/

headphone amp from newcomer Alpha Design Labs capable of handling inputs up to 24/192, the X1 is just as happy sat between a computer and a hi-fi system or neatly piggybacked to an iDevice. But how does it sound?



HD12 DSD

£900 p33 Another new brand to the UK, Hegel hails from Norway where it likes to do things a little bit differently. Don't be fooled by the simplistic styling at the price; this home DAC/headphone amp has some impressive capabilities to bring to any music system.



Henry Audio USB DAC 128 mkll

£210 p35
This straightforward
USB DAC from Norway
supports from the up to 24/192. This latest model is the continuation of an open-source project started by a group of enthusiasts who wanted to make an affordable way to listen to hi-res music.



Nano iDSD £165 p37

The cheapest by a good way, this portable DAC/ headphone amp is housed in gorgeous alloy casework and is designed to give excellent value for money and serious sonics. But how does it fare among such exalted company?



LH Labs

Geek Out M £249 p39 No prizes for style, but the dinky Geek Out M punches way above its weight. It's perhaps better known for the huge crowdfunding support it received, but this mini USB DAC/ headphone amp has much to offer and promises to deliver great sound.





ADL **X1£395**



No bigger than a smartphone, could this be the perfect choice to boost sound quality on the go and at home?

DETAILS

PRODUCT ADL X1 ORIGIN Japan TYPE Hub/battery-

Hub/batterypowered USB DAC/ headphone preamp

DIMENSIONS

(WxHxD) 68 x 118 x 17mm

• 24-bit/192kHz

• 24-bit/192kHz DAC

• Format support: PCM 44.1-192kHz Quoted battery life: up to 7.5hours • Inputs: 3.5mm jack; USB-A port; min USB-B port • Outputs: 3.5mm analogue/optical; 3.5mm headphone/ line level jack

DISTRIBUTOR Sound Foundations

TELEPHONE 01276 501392

WEBSITE soundfowndations co.uk ike the iFi Nano iDSD reviewed overleaf, this neat ADL X1 battery-powered DAC is designed be used on the move piggybacked to a portable iDevice, and yet is flexible enough to sit between a computer's USB port and your main hi-fi system giving you the best of both worlds. The 24-bit/192kHz take-anywhere DAC claims to give around 7.5hours of listening from its built-in USB-powered rechargeable battery for life on the road.

Build quality is high – it's easily the most stylish small DAC here – and is available with red, blue or silver anodised aluminium panels as well as the black version pictured. A selection of leads and adaptors are supplied to partner the X1 to your portable device or connect to the USB port of a computer. There's even a robust ADL-branded rubber band to secure it to your portable player.

In addition to the USB input, the X1 accepts line-level analogue sources via a 4-pin 3.5mm jack output and



the multi-input Toslink optical digital output on the underside. The headphone output drives headphones within the 12-600ohm range, and also supports models fitted with an inline microphone.

Six LEDs indicate the incoming sampling frequency, although the font is tiny and rather difficult to decipher. A rotary control operates on/off and volume level, and there's a selector switch for USB or iDevice connectivity alongside a ground TRRS button.

Sound quality

For its diminutive dimensions the ADL certainly delivers an impressive sound that's very easy on the ear. In some ways the dinky device has the biggest sound of the group, with oodles of bass definition and an open and airiness to treble notes that never gets splashy. Vocals are perfectly rendered and the 24/192 version of Madonna's True Blue allows me to hear right into the recording, picking up on subtle details that I've never previously noticed before buried within the recording. What's surprising is that the ADL manages to convey an engaging sense of timing and rhythm when playing this album, it's almost enough to make anyone listening want to move their hips.

A 24/96 version of Kate Bush's Snowed In At Wheeler Street has a lovely balance and richness to the piano that is utterly convincing and backed by impressive but not overly extended bass. Vocals have a smoothness and almost analogue

PERSONAL TOUCH

Alpha Design Labs (ADL to you and I) is a relatively new Japanese brand from cable specialist Furutech. In its short time on the planet, the Tokyo-based firm has specialised in a small range of affordable DAC/headphone amplifiers as well as on-ear and in-ear headphone models.

The main purpose of the X1 is to upgrade the sound quality from a portable music iDevice or a computer. With Furutech's cable background you can bet that good quality cables are provided to take care of the X1's flexible connectivity scenarios. Included in the box is a short (10cm) 3.5mm-to-3.5mm jack and 14-pin dock connector-to-USB cable for connection to older portables. Those with newer iDevices fitted with lightening connectors will need to factor in the additional cost of a suitable cable like the ADL iD8A, priced from £70. For charging and using a computer as your music source a mini USB-B-to-USB-A cable is supplied, but you'll need to purchase a 3.5mm jack-to-stereo RCAs to output it to a hi-fi amplifier.

quality to them that makes them easy on the ear and balances Kate Bush's silky vocals with Elton John's more velvety tones to great effect.

Again Pink Floyd's *Take It Back* in 24/96 form has a wonderful sense of airiness around guitar and percussion instruments that shows off this well engineered recording; there's not a moment's splashiness to drums and the track has plenty of drive.

No matter what material you play, the X1 has that rare ability to keep you listening for hours without any fatigue. Everything is smoothly rendered to show off recordings at their best with an impressive sense of scale and rhythm that just makes you want to keep on listening •

Hir Choice

OUR VERDICT



FEATURES

LIKE: Analoguesounding portable DAC that's effective both inside and out

BUILD QUALITY

BUILD QUALITY

WE SAY: Smooth

operation and sound make this a great DAC for any pocket



Group test verdict

He's gathered his thoughts after hours of listening, so before he takes a rest with a well-earned cuppa **Lee Dunkley** sums up what he's heard

WITH SUCH A spread of models across both home and portable use this is a particularly tough test to sum up, but the minimalist Hegel is the first to fall. Although in many respects the HD12 DSD has to be admired for its tech choices, specification, super build and finish (even if its looks are a bit austere), its poor ease of use and price mean it doesn't score quite so highly against the competition here. In no way would you be disappointed by the sound from this DAC, it's just that there are better options for less.

Next is the Henry Audio; a mighty fine bit of kit that looks like it's

lacking flexibility, but in fact its open-source nature will appeal to tinkerers. Ultimately though, it's up against more flexible consumer models here, and its slightly forward sound may not be so appealing to all.

I love the iFi's styling, build, format support and general nature, it's just that sonically it doesn't surpass the ultra cool ADL XL, and its iDevice connectivity is cumbersome.

The slick ADL X1 is quite a cool portable solution with a good, balanced, analogue sort of sound that most people will feel they can live with and enjoy. It's reasonable value

too, with plenty of features and connectivity options and is a versatile device that gives the best of both worlds.

The Geek Out M from LH Labs is the kind of product that comes along every once in a while and breaks the rule book. It sounds far better than it has any right to given its diminutive dimensions, but with tech derived from the high-end Da Vinci DAC it's no wonder that it sounds so great. I wouldn't be surprised if the Geek Out is snapped up just as quickly as it attained its crowdfunding target.



The Denon DA-300USB has got the looks and functionality of a great home DAC. It produces a great sound across all inputs and offers the flexibility to be placed upright using the supplied stand. Factor in its superb build and finish, and you have a very worthy winner.







Hegel HD12 DSD





friendly, but clunky

design won't suit all



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Denon DA-300USB

and style, put quite simply it's got the lot

DAC that sounds just makes this DAC the as great at home as it most charismatic of does on the move the group

Henry Audio USB DAC 128 mkll

this simple USB DAC

sounds good too

Nano iDSD

Geek Out M

CONTRACT OF THE PERSON NAMED IN	
	£249

the astonishing

hi-res sound it makes

Price	£329	£395	£900	£210	£165	£249
Sound	****	****	****	***	****	****
Value	****	****	****	****	****	****
Build	****	****	****	****	****	****
Features	****	****	****	****	****	****
Overall	****	****	****	****	****	****
	Great package offering flexibility	Ultra sleek portable DAC that sounds just	Distinctive design makes this DAC the	Open-source tech to appeal to tinkerers,	Great build and hi-res format	Mediocre build doesn't detract fro

Key features

Coaxial in	Yes	No	Yes	No	No	No
Optical in	2	Yes	2	No	No	No
24/192 USB	Yes	Yes	Yes	Yes	Yes	Yes
iPod	No	Yes	No	No	No	No
XLR out	No	No	Yes	No	No	No

TRY WITH THESE

HEADPHONES: £150 HFC 391

Few headphones manage to combine style and performance as successfully as this closedback design. The smooth sound combines a well-integrated bass with a revealing level of detail, making them perfect for hi-res on the move.



INTEGRATED AMPLIFIER: Arcam FMJ-A19 £650 HFC 371

A mid-price integrated that's festooned with inputs and a useful amount of power. It wowed us with its rich and engrossing sound and makes listening a great pleasure, whatever type of music you're into



STANDMOUNT SPEAKER: Monitor Audio Silver One £500 HFC 390

This super sounding standmount is available in beautiful wood veneer and gloss finishes and offers great performance at the price. You get plenty of bang for your buck with a big sound that's musically honest, detailed and enjoyable

