

# NETWORK DAC



**Finish** Black or silver painted machined aluminium with crystal LED display

**Dimensions / Weight** 122mm / 4.80" (H) x 444mm / 17.48" (W) x 356mm / 14.02" (D). Allow extra depth for cable connectors • 14KG / 30.86lbs

**Electronics**

- dCS Ring DAC and Digital Processing Platform on flex-rigid PCB
- StreamUnlimited Stream800
- Automatic mains voltage switching

**Digital Inputs**

- 2 x AES/EBU on 3 pin XLR 44.1-192kS/s
- Used as a Dual AES pair (1+2), supports sample rates up to 384kS/s
- 1 x S/PDIF BNC Coax 44.1-192kS/s
- 1 x S/PDIF on RCA 44.1-192kS/s
- 1 x Toslink 44.1-96kS/s
- 1 x USB Type B 44.1-384kS/s PCM and DSD, DSDx2 in Asynchronous Mode
- 1 x USB Type A connector for mass storage devices (navigated using Mosaic)

**Analogue Outputs**

- 1 stereo balanced pair on 2x 3-pin male XLR connectors (pin 2 = hot, pin 3 = cold). These outputs are electronically balanced and floating, the signal balance ratio at 1 kHz is better than 40dB. Output impedance is 3Ω, maximum load is 600Ω (a 10kΩ - 100kΩ load is recommended).
- 1 stereo unbalanced pair on 2x RCA Phono connectors. Output impedance is 52Ω, maximum load is 600Ω (a 10kΩ - 100kΩ load is recommended).
- Output levels are 0.2V, 0.6V, 2V, or 6V rms for a full-scale input, set in the menu.

**Interface** Ethernet interface on RJ45 connector

**Streaming Compatibility**

- UPnP
- Qobuz
- Deezer
- Tidal
- QQ Music
- Internet Radio
- Spotify
- Roon Ready

**Sample frequencies and formats**

- 44.1-384kS/s up to 24 bits
- DSD/64, DSD/128
- Native DSD + DoP (input dependent)
- FLAC, WAV, AIFF, MQA

**Upsampling** Multi-stage DXD oversampling with switchable DSD Upsampling (1-bit 2.822 or 3.07MS/s) and DSDx2 Upsampling (1-bit 5.644 or 6.14MS/s)

**Word Clock**

- 2x Word Clock Inputs on 75Ω BNC connectors, sensitive to TTL levels.
- Accepts standard Word Clock signals at 44.1, 48, 88.2, 96, 176.4 or 192kHz.

**Filters**

- PCM mode: up to 6 filters per sample rate give different trade-offs between the Nyquist image rejection and the transient response
- DSD mode: 4 filters progressively reduce out-of-audio band noise level, plus Filter 5 which has an improved transient response

**Crossfeed Settings**

- Standard crossfeed
- dCS Expanse 1 (E1)
- dCS Expanse 2 (E2)

**Power**

- IEC inlet & power switch on rear panel
- 90-127V / 220-240V, 50/60Hz, consumption 30W
- Automatic voltage switching
- Power synchronised with other dCS Power Link products (RJ45)

**Frequency Response (set to filter 1)**

- Fs = 44.1 or 48kS/s +/-0.1dB, 10Hz-20kHz
- Fs = 88.2 or 96kS/s +/-0.1dB, 10Hz-20kHz -3dB @ >38kHz
- Fs = 176.4 or 192kS/s +/-0.1dB, 10Hz-20kHz -3dB @ >67kHz
- Fs = 352.8 or 384kS/s +/-0.1dB, 10Hz-20kHz -3dB @ >100kHz
- DSD64 +/-0.1dB, 10Hz-20kHz -3dB @ >90kHz
- DSD128 +/-0.1dB, 10Hz-20kHz -3dB @ >100kHz

**Residual Noise (6v output setting)**

- 16-bit data: Better than -96dB0, 20Hz-20kHz unweighted
- 24-bit data: Better than -113dB0, 20Hz-20kHz unweighted

**Spurious Responses** Better than -105dB0, 20Hz-20kHz

**L-R Crosstalk** Better than -115dB0, 20Hz-20kHz

**Included with your Lina DAC X**

- Power cable
- 2x XLR cable (0.5m)
- Ethernet cable
- Power Link cable
- Welcome letter
- Safety & Compliance guide
- Display cleaning cloth
- Remote control