

DNA Series Digital Network Amplification



NETWORKING meets **POWER**

The **DNA Series** from XTA

 Dante™

www.xta.co.uk



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Networking meets Power. Flexibility meets Quality.

Now you don't have to choose between the highest quality amplification, and digital audio networking convenience. Or between incredible power and the ability to work within analogue or digital systems. You can have it all.

The DNA Series offers the assurance of XTA's highest quality audio power amp technology with future proofing via the inclusion of simple to use digital audio networking.

Fast rear panel switching allows the amplifier to accept either four channels of analogue audio or pick up four channels of networked audio, via Dante, which is then converted using 24 bit 96kHz DACs.

Connect to an DPA amplifier using a single CAT5 cable to realise a stereo 4 way system with no further external processing required. Switch back to analogue to use as a powerful traditional quad channel amplifier. Run bridged channel pairs or link adjacent inputs for total flexibility in either analogue or digital mode.



Summary Specifications

Output Power (per channel):

DNA100 [DNA80]**
 8 ohms: 1400W [1000W]
 4 ohms: 2700W [2000W]
 2.7 ohms: 3700W [2200W]**
 2 ohms: 3500W [2000W]

Output Power (bridged):

8 ohms: 5400W [4000W]
 4 ohms: 7000W [4000W]

THD: (@1dB below maximum output power)

@ 1kHz < 0.08%, [< 0.18%]
 @ 20Hz to 20kHz < 0.1%, [< 0.2%]

Gain / Sensitivity:

Gain 32dB
 Sensitivity (for maximum power)
 +10.7dBu [2.7V], [8.3dBu [2.0V]]

Frequency Response:

20Hz to 20kHz (+0.5dB)

Power Consumption:

Nominal @ 240V into 4 ohms 7.5A [4.1A]
 Nominal @ 120V into 4 ohms 15.5A [8.2A]

Dimensions:

Amplifier
 (2U) (mm) 88(h) x 482(w) x 458(d)
 Boxed (shipping size - UK) 230 x 580 x 560
 (Single boxed)

Weight:

DNA100: 12.5kg (27.6lbs), Boxed (shipping weight) 14.5kg (32.0lbs)
 DNA80: 11.0kg (24.2lbs), Boxed (shipping weight) 13.0kg (28.7lbs)

Front Panel:

1 x Power Switch, 1 x STBY LED (orange)
 4 x 6 point LED level indicators,
 4 x level controls
 3 x Channel Audio LINK LEDs (yellow)
 1 x PROTECTION LED (red),
 2 x BRIDGE LEDs (green)
 1 x POWER LED,
 1 x ANALOGUE LED,
 1 x NETWORK AUDIO LED (3 x yellow)

Rear Panel:

4 x Neutrik Speakon output connectors (4 pole)
 4 x Neutrik XLR female connectors (audio input)
 2 x Ethernet RJ45 (Audio Network)*
 3 x Channel Link Switches
 2 x Bridge Mode Switches
 1 x Analogue/Network Source Select Switch

*Dante Audio Network is a factory fit option

System:

Mains voltage: 115/230VAC nominal 50-60Hz (factory set for 115 or 230V operation)
 Mains current: 32A maximum
 Suggested circuit breaker: C32
 Mains connector: PowerCon

Power Out Per Ch.**	DNA 120	DNA 100	DNA 80	DNA 40
2 ohms	7000W x 2	3500W x 4	2000W x 4	1200W x 4
2.7 ohms*	6250W x 2	3700W x 4	2200W x 4	1400W x 4
4 ohms	4600W x 2	2700W x 4	2000W x 4	1000W x 4
8 ohms	2400W x 2	1400W x 4	1000W x 4	500W x 4

**Powers measured for continuous music with Crest Factor of 4.8 (14dB)

*2.7 ohm power quoted for highest single ended output and greatest efficiency (3 x 8 ohm parallel drivers). Amplifier is stable with 2 ohm loads but output will be reduced.

