



Combining new technology power amplification with the highest definition XTA DSP, the Delta Series offers performance and convenience at a whole new level. Powerful processing features, such as FIR filtering and Dante networking, work alongside unique enhancements including 4 local + 4 aux DSP channels (also supplied to the network), meaning a single Delta DSP amplifier can control a stereo 4-way system with no external processing.

Configure and tune using a fast, powerful combination of AudioCore (XTA's fast efficient control software platform) and DeltaDirect, the bespoke iPad app. Every aspect of a network of amplifiers can be controlled and monitored, wirelessly. USB, direct Ethernet and RS485 control options plus configurable GPIO offer unparalleled flexibility.

Power & Main Specifications

Output Power (per channel): 8 ohms: 1000W, 4 ohms: 2000W, 2.7 ohms: 2200W. 2 ohms: 2000W

Measured using continuous music with Crest Factor of 4.8 (14dB)

Output Power (bridged): 8 ohms: 4000W, 4 ohms: 4000W

Measured using continuous music with Crest Factor of 4.8 (14dB)

THD: (@1dB below maximum output power) @ 1kHz < 0.18%, 20Hz to 20kHz < 0.2%

Gain / Sensitivity: Gain 32dB Sensitivity (for maximum power) 8.3dBu (2.0V)

Frequency Response: 20Hz to 20kHz (±0.5dB)

Power Consumption: Nominal @ 240V into 4 ohms 4.1A, nominal @ 120V into 4 ohms 8.2A

Dimensions: Amplifier (2U) (mm) 88(h) x 482(w) x 428(d)

Boxed (shipping size - UK) 230 x 580 x 560 (Single boxed)

Boxed (shipping size - all except UK) 250 x 610 x 600 (Double boxed)

Weight: Amplifier 10.3kg (22.7lbs), Boxed (shipping weight) 11.8kg (26.0lbs)

For details of Power measurement methods please refer to the Technical Support area of our website.

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.

DELTA 80 DSP

Processing Specifications

Bit Depth and Sample Rate: 24 bit ADCs and DACs, 96kHz sampling and processing throughout

Accepted Sample Rates: (AES and Networked Audio): 44.1kHz - 192kHz(AES)

I/O Configuration: 4 Inputs (select individually from analogue/AES/Network)

8 Outputs: 4 Direct Power Amp, 4 Auxiliary with independent processing and memories

4 Additional Network Audio Outputs (sourced from selectable processing point within DSP)

DSP Filter Suite: 3 Dynamic EQ bands per input: 20Hz to 32kHz, compression/expansion above below THD

8 Static EQ bands per input (x 4), 9 static EQ bands and per output (x 8)

PEQ plus additional filter types: High/Low Variable "Q" (resonant), High/Low Pass Elliptical, Band Pass, Notch, Phase, All Pass, High/Low Shelving

Crossover Filters: (outputs) HPF: 10Hz to 31.4kHz, LPF: 35Hz to 32kHz, 1/36 octave steps, up to 48dB/Oct.

Delays: 1300ms (Input to Output), Minimum step size 0.3uS (outputs), 10uS(inputs)

Limiters: RMS Fully Variable x 8; Look Ahead (zero overshoot) Peak Limiter x 8

FIR Sections: Total available taps (variable across 8 outputs): 4000 (DEQ bypassed)

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