

Camco D-Power 3 Amplifier & Nexo DTD-T Controller



2 channel Class H power amplifier with up to 1600W output power per channel @ 4Ω

The DTD (Digital Temperature and Displacement) controller is a loudspeaker controller dedicated to Nexo speakers. It performs as a Nexo speaker system crossover, and provides equalization, phase alignment and protection (by controlling the speaker voice coil temperature and the cone displacement).

N.B. No user controls are accessible on this processor to select speaker types or adjust system settings other than full-range / crossover selection switch for mains. All changes are done via PC / Mac / Android or Apple phones and tablets. Connector is a mini-USB into port on front panel of processor. Visit Nexo site for Dory software downloads



Physical

Size of Unit	[D3] 483 x 217 x 45mm [DTD-T] 480W x 65D x 44Hmm
Item Weight	[D3] 9.6kg [DTD-T] 1.3kg
Size of unit cased	600W x 530D x 180mm
Cased weight	24kg
Quantity in Case	1

Electrical

Power Supply	240v AC 50-60Hz
Power Connection	[D3] Hard Wired Power Cable [DTD-T] IEC
Rated Current Draw	[D3] 55W Idle, 1010W typical @ 4Ω, 4300W Max @ 4Ω [DTD-T] 20W
Audio RMS Power Output	2x 915W @ 8Ω, 2x 1600W @ 4Ω, 1x 3200W @ 8Ω, 1x 1800W @ 16Ω
Audio Peak Power Output	Not specified by manufacturer

Mounting Options

Rack Mountable	Yes 3RU combined
----------------	------------------

Input / Outputs

Analog Inputs	[D3] Ch A/B balanced XLR in [DTD-T] L/R balanced XLR in
Analog Outputs	[D3] L/R XLR parallel out [DTD-T] XLR Mono Sub Out, 2 x XLR Main L/R Out
Digital Inputs	[D3] No [DTD-T] AES/EBU in
Speaker Outputs	2 x NL4 [wired ch A: 1+/- ch B: 2+/- ...then reversed order on second NL4 output
Channel Count	2
Bridging	Yes
Stereo/Parallel switching	Yes

Parameters

Frequency Response	20 Hz – 20 KHz
Input Impedance	[D3] 14kΩ [DTD-T] 20kΩ
Output Impedance	[D3] 16/8/4/2Ω capable [DTD-T] 200 Ω
Dynamic Range	[D3] Not Specified [DTD-T] 112 dB (unweighted, mains out) 107 dB (unweighted, sub out)
Latency	[D3] N/A (analog) [DTD-T] Less than 1 ms (analog in to out) on flat setup, compatible with NXAMP latency
A to D Converters	48/96kHz, 24 Bit ADC/DAC, up to 64bit resolution if using digital inputs
Signal Processing	[D3] switchable clip limiter, HPF @ 30Hz or 50Hz [DTD-T] Preset crossover and EQ configurations for Nexo speakers, advanced options accessible through Dory software
Protection	[D3] inrush current, temp monitoring, output DC, output over current, mains fuses [DTD-T] Onboard Nexo parameters to protect Nexo speaker cabinets using amplifier sensing inputs
Remote control	[D3] No [DTD-T] No
Configuration method	[D3] Manual switching and volume control [DTD-T] Using Dory software, PC or Android, with manual +/- 6dB gain adjust and preset switching on front panel (between Xover, Full Range Mains and programmed User Settings)

Compatibility

	QSC GX5 Amp 2 Channels NL4 OUT	Nexo PS8 Amp 2 Channels NL4 OUT	Nexo NX Amp 4x1000w 4 Channels NL4 OUT	Nexo NX Amp 4x4000w 4 Channels NL4 OUT	Camco Vortex 4 Amp (4000w) 2 Channels NL4 OUT	Camco Vortex 6 Amp (6000w) 2 Channels NL4 OUT	Camco D3 Amp (3200w) 2 Channels NL4 OUT	D&B D12 Amp 2 Channels EPS OUT	D&B D20 Amp 4 Channels NL4 OUT
Speaker EV ZLX 12 Passive NL4	2 per channel PREFERRED	X	3 per channel	3 per channel	3 per channel	3 per channel	3 per channel	3 per channel	2 per channel
Nexo ID24 NL4	X	X	4 per channel	4 per channel	4 per channel	4 per channel	4 per channel	X	X
Nexo PS8 NL4	X	2 per channel OR 1 per channel w/ sub	3 per channel	3 per channel	3 per channel	3 per channel	3 per channel	X	X
Nexo PS10 NL4	X	X	2 per channel	3 per channel	3 per channel	3 per channel	3 per channel	X	X
Nexo PS15 NL4	X	X	1 per channel	3 per channel	3 per channel	3 per channel	2 per channel	X	X
Nexo LS400 Sub NL4	X	1 per AMP	2 per channel	2 per channel	2 per channel	2 per channel	2 per channel	X	X
Nexo LS1200 Sub NL4	X	X	X	2 per channel	1 per channel	2 per channel	1 per channel	X	X
Nexo Alpha E: Mid-Hi Speaker NL8	X	X	X	X	X	2 per channel	X	X	X
Nexo Alpha E: B1- 1Sub NL8	X	X	X	X	X	2 per channel	X	X	X
D&B E8 Speaker NL4	X	X	X	X	X	X	X	4 per channel	4 per channel
D&B T10 Cabinet EPS	X	X	X	X	X	X	X	4 per channel	4 per channel
D&B B4 Sub EPS	X	X	X	X	X	X	X	2 per channel	2 per channel
D&B B2 Sub EPS	X	X	X	X	X	X	X	1 per channel	X
D&B J Sub EPS	X	X	X	X	X	X	X	1 per AMP	X

Information Links

- Manufacturer link

Manufacturer link

Datasheet

Datasheet

Datasheet

DTD-T Control Software
- D-Power Series

Nexo DTD-T Controller

D-Power Series User Manual

DTD-T User Manual

DTD-T Technical Specs

Nexo Software Downloads