

D-SERIES-DSP AMPLIFIERS

The D-Series range provides DSP-enabled amplification for Funktion-One loudspeakers.

The D-Series are high efficiency, 4 channel, Class D (PWM) amplifiers, with both DSP and amplification stages conforming to Funktion-One’s exacting standards of audio quality. A full range of features including Ethernet control with advanced globcon control software, AoIP (Dante) with automatic failover, front panel control, and preset libraries.

Three power variants are available for different applications, with the D100Q recommended for touring systems in the purpose built Tour Rack (TR1-D).

Auxiliary outputs can be used alongside D-Series-ND amplifiers for cost effective DSP flexibility.



- Features:
- Powerful DSP processing
 - 3 output power options (D40Q, D80Q, D100Q)
 - Lightweight, robust construction
 - 4 x Auxiliary DSP outputs (analogue and/or AoIP)
 - Onboard preset library
 - Full front panel control
 - Digital AoIP (Dante) option
 - Automatic input signal failover
 - Ethernet control
 - USB Control
 - Advanced, user friendly control software (globcon)
 - GPIO control for installation control flexibility
 - Flagship D100Q–DSP suitable for any Funktion-One loudspeaker

Specifications

Inputs:

AoIP (Dante) x 4, AES3 x 2 (4Ch), Analogue x 4.
Mix matrix for power amp and aux source processing.

Outputs:

AoIP (Dante) x 4, XLR line level with independent DSP x 4, Amplifier outputs x 4

Load	D100Q-DSP	D80Q-DSP	D40Q-DSP
8Ω	1400W x 4	1000W x 4	500W x 4
4Ω	2700W x 4	2000W x 4	1000W x 4
2.7Ω	3700W x 4	2200W x 4	1400W x 4

THD: better than 0.08% (2kW, 1k)
Freq. resp.: 3Hz–30kHz –3dB
ADC/DAC resolution: 24bit
Internal sample rate: 96kHz
Voltage gain (amplification stage): 32dB
Mains voltage: 115/230VAC nominal 50–60Hz
(factory set for either 115 or 230V operation)
Mains current: 20A maximum

Dims: 88 x 482 x 458mm (HxWxD)
D100Q–DSP:
12.5kg (27.6lbs), Boxed (shipping) 14.5kg (32.0lbs)
D80Q–DSP:
11.0kg (24.2lbs), Boxed (shipping) 13.0kg (28.7lbs)
D40Q–DSP40:
10.0kg (22.0lbs), Boxed (shipping) 12.0kg (26.5lbs)
THD: better than 0.08% (2kW, 1k)

