

## DC426 Digital Controller

- 2 inputs and 6 outputs - native processing now runs at 96 kHz resulting in wider bandwidth (over 30 kHz)
- Improved converters-lower noise and improved distortion figures
- Extended processing capabilities - 9 (previously 5) full bandwidth parametric bands are available on every output all switchable between PEQ high and low shelving responses
- Further extended processing capabilities - crossover filters on each output now offer 48 dB / octave responses on top of the previously available 12 to 24 dB / octave options. A gentle 6 dB / octave roll-off response is also now included
- Flexible routing matrix available - in addition to standard fixed configurations such as 2 x 3 way (standard configurations are still implemented) any output may be fed from any input or the sum of inputs. Edit buttons show routing instantly when pressed
- Legendary look-ahead limiters with automatic and manual time constant facilities.
- Delay memory allows for up to 650 ms from any input to any output - extra fine delay resolution on outputs for driver alignment in 30 ms (0.1 mm) steps!
- Extended memory capacity - user memories now extended from 9 to a maximum of 255.
- Library manager software available for design presets - design your crossover live whilst connected to the unit and lock out any parameters as required to prevent end user adjustment/viewing. No practical limit to the number of presets that may be stored (over and above the user memories).
- Auto switching power supply works worldwide on all voltages.

As a successor to the DC26 the new 2-in 6-out audio management system from Coda Audio offers advanced processing capabilities and improved performance along with extra features as standard.

### Optional:

AES Input and / or Output

AES capabilities may be added as inputs (with sample rate conversion), outputs or both. Accepts AES rates from 32k Hz up to 192 kHz via a sample rate converter. Output sample rate fixed at 96 kHz. Front panel indication of AES selection and AES lock status. If an AES interface is specified, metalwork will be supplied with appropriate indicators and rear panel switching as required.



TECHNICAL SPECIFICATIONS:	
Inputs	Two electronically balanced
Impedance	>10 k ohms
CMRR	< 65 dB 50 Hz - 10 kHz
Outputs	Six electronically balanced
Source Imp.	< 600 Ohm
Min. Load	600 Ohm
Max. Level	+20 dBm into 600 Ohm load
Frequency Response	0.5 dB 10 Hz - 32 kHz
Dynamic Range	>116 dB 10 Hz - 20 kHz unwt'd.
Distortion	< 0.001 % @ 1 kHz, + 10 dBm
Maximum Delay	650 ms (increment 0.325 µs steps)
Output gain	Adjustable +15 dB to -40 dB in 0.1 dB steps and mute
<b>Parametric Equalisation:</b>	
Filters	9 per output
Filter gain	+15 dB to - 30 dB in 0.1 dB steps
Centre frequency	20 Hz - 32 kHz, 1 / 36 octave steps (392 positions)
Filter Q/BW	0.4 to 128 / 2.5 to 0.008
<b>High and Lowpass filters:</b>	
Filters	1 of each per output
Frequency (HPF)	10 Hz - 32 kHz, 1 / 36 octave
Frequency (LPF)	35 Hz - 32 kHz, 1 / 36 octave
Response	Bessel / Butterworth
	6 / 12 / 18 / 24 / 48 dB per octave, Linkwitz-Riley 12 / 24 / 48 dB per octave
<b>Limiters:</b>	
Threshold	+22 dBu to -10 dBu
Attack time	0.3 to 90 milliseconds
Release time	4,8,16 or 32 times the attack time
Clip/D-max Limiter	Look-ahead attack time, fast, middle or slow release times
Connectors	Inputs 3 pin female XLR, Outputs 3 pin male XLR, RS232 (9 Pin)
Power Connector	3 Pin IEC
Power Supply	60 VAC - 240 VAC
Consumption	< 40 Watts
Weight	3.5 kg Net (5 kg shipping)
Size	44 x 482 x 305 mm, 1.75" (1U) x 19" x 11.8", excl. connectors