



NEW PRODUCT INFORMATION

DP-N Series amplifiers

Think dif-FIR-ently about amplifiers !

up to
11.5 kW
11560 W

NEW



Two new models join the DP series of Class D, multi-channel amps.

DP-4100N and DP-4065N have been engineered for mid sized venues, rental and touring applications. Enormous output power and stability at 2 ohms are features that already make DP amps special - but the new DP-N models also feature Dante™ connectivity and hugely upgraded DSP functionality.

The DSP now has FIR filtering with 512 taps. This refined and powerful FIR filtering brings linear phase response to the system, resulting in a more controllable and faithful output.

Input connectivity is now handled by the front panel Dante™ connectors - allowing the DP-N to be used in a huge Dante™ ecosystem. Networked audio, with remote DSP control.

DP-N series also feature a wide range AC power input and are happy with huge voltage fluctuations between 90 v and 260 v. In addition, DP-N series can drive 70 V line systems!

Think dif-FIR-ently about amps!

	DP-4100N	DP-4065N
8Ω	4 x 1000 W	4 x 650 W
4Ω	4 x 1700 W	4 x 1100 W
2Ω	4 x 2890 W	4 x 1870 W
16Ω Bridged	2 x 2000 W	2 x 1300 W
8Ω Bridged	2 x 3400 W	2 x 2200 W
4Ω Bridged	2 x 5780 W	2 x 3740 W

4 - channels / Dante™

Internal DSP + FIR filtering

Stable at 2 Ω

Software control

Wide range AC tolerance

WHAT MAKES THEM GREAT?

- Huge Class D power in a 1U rack
- 4 discrete amplification channels
- Internal DSP and computer control
- Stable down to 2 Ω. Drive multiple speakers or line array elements
- FIR filtering with 512 taps
- 90 V to 260 V AC working voltage
- Dante™ connectivity
- 70 V compatible

WHEN ARE THEY AVAILABLE?

DP-N SERIES

Shipping from **JUNE 2021**

SOFTWARE CONTROL

Harnessing the power of the internal DSP



The supplied editing software gives a practical overview of all system parameters and DSP features within the DP-N amplifier. It is simple to monitor system performance and to edit the DP-N remotely.

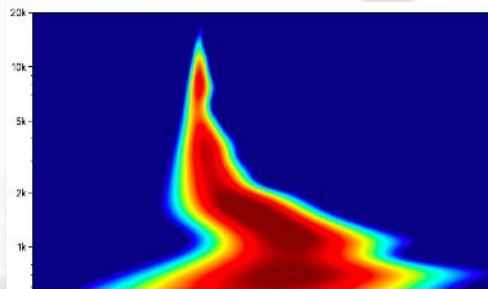
FIR FILTER

FIR Filtering gives

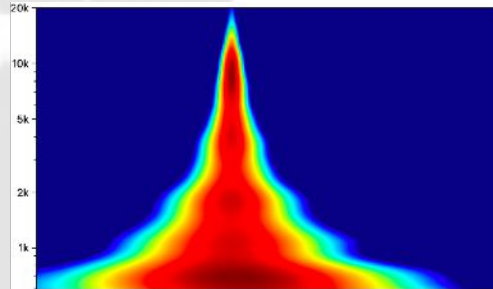
- 1) Independent control of magnitude and phase.
- 2) More detailed equalisation.
- 3) Optimization of frequency and power response.



Example system without FIR filtering



Example system with FIR filtering



DANTE™

Using the Ultimo 4x4 chipset, DP-N amps easily join any Dante ecosystem.

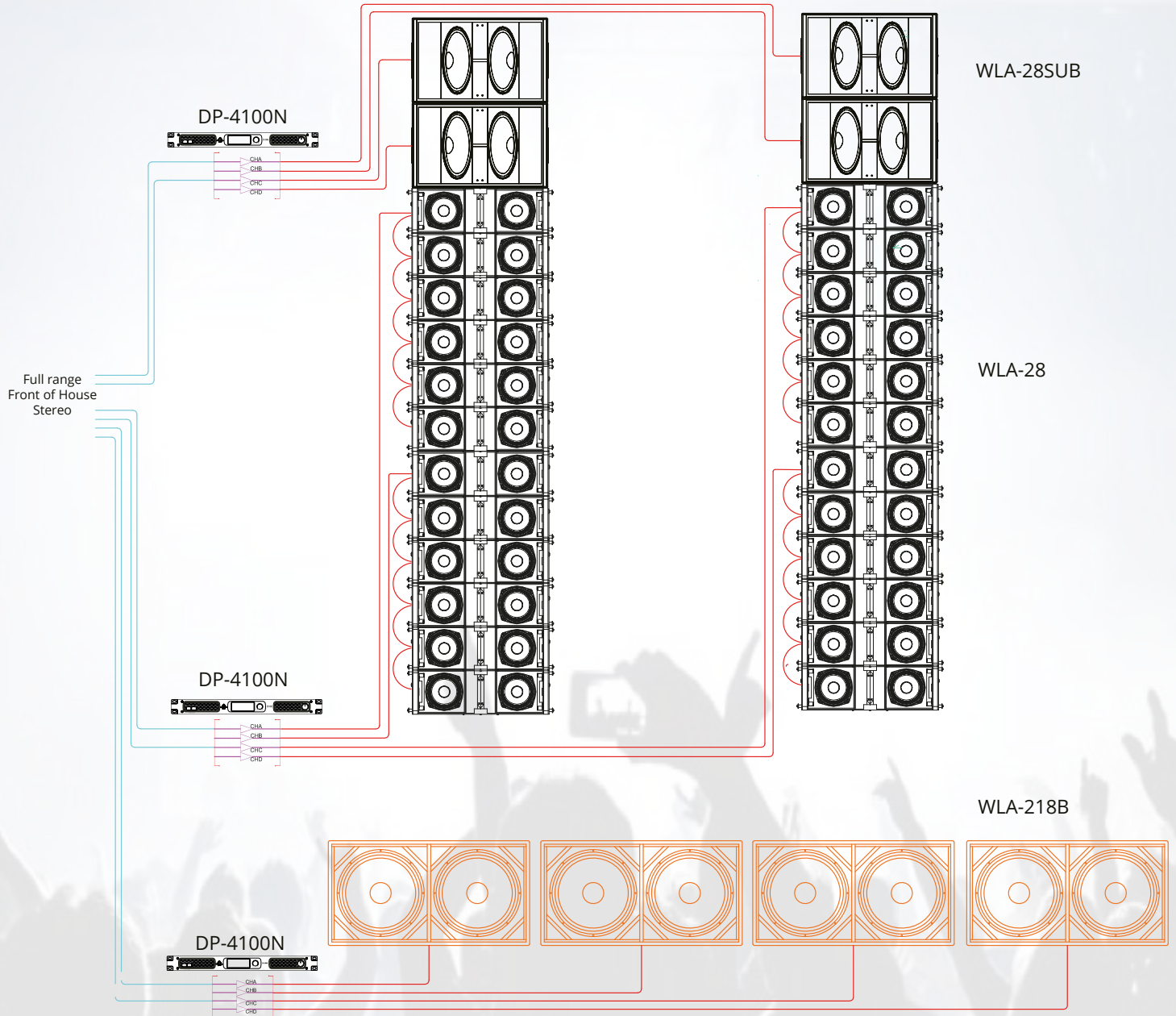
- 1) Digital audio connectivity of up to 96 KHz
- 2) Remote, network control.



SYSTEM EXAMPLE

WLA-28 system with DP-4100N Amps

This huge system uses only 3 pieces of DP-4100N amplifiers with built-in FIR processing



Product list

LOUDSPEAKERS	AMPLIFIERS
WLA-28SUB x 4	DP-4100N x 3
WLA-28 x 24	
WLA-218B x 4	

SPECIFICATIONS

NEW

NEW



MODEL	DP-4100N	DP-4065N	
Rated power (THD = 1%, continuous sinusoidal 1 KHz. Each channel working simultaneously)	8 Ω	4 x 1000 W	4 x 650 W
	4 Ω	4 x 1700 W	4 x 1100 W
	2 Ω	4 x 2890 W	4 x 1870 W
	16 Ω Bridged	2 x 2000 W	2 x 1300 W
	8 Ω Bridged	2 x 3400 W	2 x 2200 W
	4 Ω Bridged	2 x 5780 W	2 x 3740 W
Line voltage output	4 x 1700 W / 70 V	4 x 1100 W / 70 V	
RMS output voltage (THD=1%, 1 KHz)	89.4 V	72.1 V	
Max input level	8.7 Vrms (21 dBu)		
Default gain (rated output power, 1 KHz)	33 dB	31 dB	
Gain range (rated output power, 1 KHz)	21 dB ~ 39 dB	19 dB ~ 37 dB	
THD N (10% of rated output power, typical value)	0.05%		
IMD-SMPTE (10% of rated output power, typical value)	0.05%		
DIM30 (10% of rated output power, typical value)	0.05%		
Crosstalk suppression (below rated power, 20 Hz-1 KHz)	≥90 dB		
Frequency response (10% of rated output power, 8 Ω, 20 Hz-20 KHz)	±0.2 dB		
input resistance	20 kΩ (balanced), 10 kΩ (unbalanced)		
Damping coefficient (8 Ω, 20 Hz-200 Hz)	≥1000		
Signal to noise ratio (A weight, 20 Hz-20 KHz)	≥105 dB (default gain)		
AC Mains Power requirements	100 ~240 VAC, 50-60 Hz		
Maximum operative range (10%)	90 ~260 VAC, 50-60 Hz		
Protection	Power supply under voltage, power amplifier output DC, overheating, temperature power control, overload power control		
Dimensions (WxHxD)	483 x 45 x 370 mm	483 x 45 x 370 mm	
Net weight	9 kg	9 kg	



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Errors and omissions excepted (E&OE) : Wharfedale Pro : 2021

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