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!

4 - channels / Dante ™

Internal DSP + FIR filtering

Stable at 2 Ω

Software control

Wide range AC tollerance

	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

WHEN ARE THEY AVAILABLE?

DP-N SERIES

Shipping from ***JUNE 2021***

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

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SOFTWARE CONTROL

Harnessing the power of the internal DSP

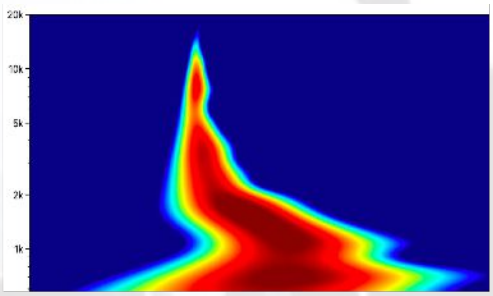
The supplied editing software gives a practical overview of all system parameters and DSP features within the DP-N amplifier. It is simple to monitor system performance and to edit the DP-N remotely.

FIR FILTER

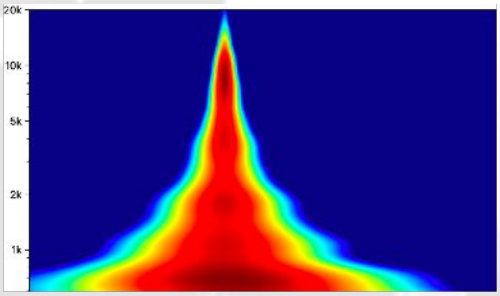
FIR Filtering gives

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 ™

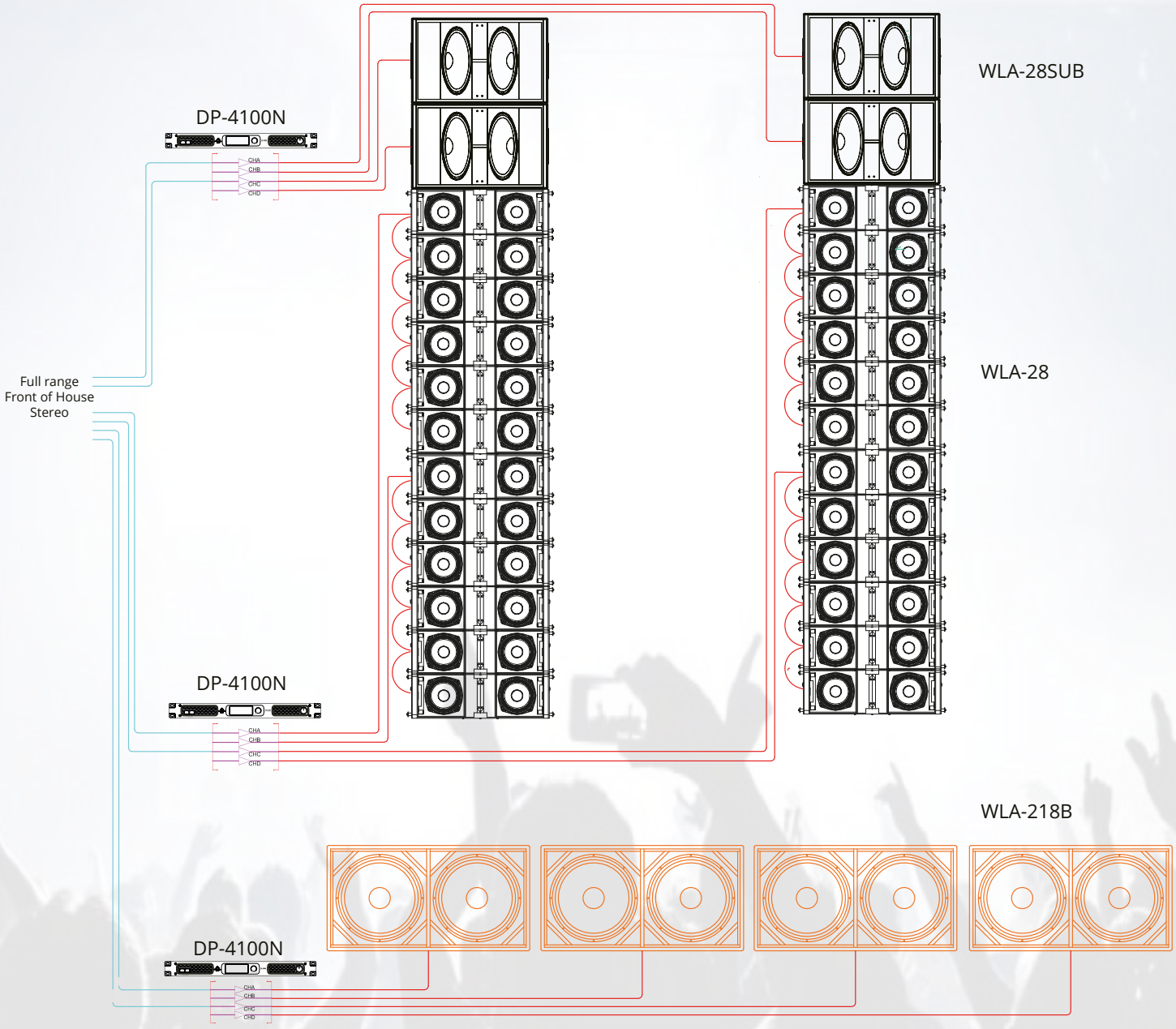
Using the Ultimo 4x4 chipset, DP-N amps easily join any Dante ecosystem.

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

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