



PD Series

DSP Power Amplifiers

Your all-in solution for sound amplification and processing

The new **PD Series** from **Pro DG Systems** supposes the best choice for the external amplification and processing of Pro DG Systems passive products.



PD Series

State-of-the-art technology power amplifiers with integrated DSP, IPS colorful display, optional Dante audio network and Dante-Analog backup function, Standard FIR automatic linear magnitude and phase function provide user a powerful setting method to speakers.



Everything under control thanks to different monitoring values such as: temperature, power, voltage, current and resistance.



Colorful display available in all models

High end performance thanks to the inclusion of First-class components, offering high efficiency and energy saving which reduces the operation cost. Temperature control fans have been included for quiet operation.

Modernized appearance with compact and lightweight design. **Your all-in solution for sound amplification and processing.**

PD 300 / PD 300 Dante



4 in, 4 out power amplifier with integrated DSP and IPS colorful display. It supports analog, or Dante network (PD 300 Dante). User can select each analog or Dante signal with its priority, which realizes signal backup function. It supports constant resistance 8Ω / 4Ω and constant voltage $100V$ / $70V$. Standard FIR automatic linear magnitude and phase function provide user a powerful setting method to speakers.



Features

Dante network audio in option and Dante-Analog backup function.

Built-in DSP.

FIR automatic linear magnitude and phase.

Remote on / standby, call amplifier.

Supports $100V$ / $70V$ / 8Ω / 4Ω .

Free setting to limit power and voltage.

IPS colorful display.

Monitoring temperature / power / voltage / current / resistance.

Technical datasheet

MODEL			PD 300	PD 300 Dante
Output Power [EIA 1KHZ 1% THD]	Stereo	8Ω	300Wx4	300Wx4
		4Ω	450Wx4	450Wx4
	Bridge	8Ω	2x900W	2x900W
Output Connections			4*binding post	
Frequency Response			20Hz - 20kHz 20.5dB	
Input sensitivity			6dBu sensitivity (30dB, x29.5) 0dBu sensitivity (36dB, x31.1)	
Max. input level			6dBu sensitivity (14dBu, 3.88V) 0dBu sensitivity (8dBu, 1.94V)	
SNR			6dBu sensitivity (97dB) 0dBu sensitivity (97dB)	
THD+N			<1%@1W, 8Ω	
100V output power			bridge model, 100V(2*max 900W)	
70V output power			bridge model, 70V(2*max 612.5W)	
Sampling			48k / 24bit	
Protection			DSP limiter, high temperature, DC, high frequency	
PC control software			Mconsole	
Mains Power supply			AC:100V-240V 50Hz-60Hz	
Weight			4Kg	4Kg
Dimensions(WXDXH)			485x305x44.5mm	

PD 700 / PD 700 Dante



4 in, 4 out power amplifier with integrated DSP and IPS colorful display. It supports analog, or Dante network (PD 700 Dante). User can select each analog or Dante signal with its priority, which realizes signal backup function. It supports constant resistance 8Ω / 4Ω and constant voltage 100V / 70V. Standard FIR automatic linear magnitude and phase function provide user a powerful setting method to speakers.



Features

Dante network audio in option and Dante-Analog backup function.

Built-in DSP.

FIR automatic linear magnitude and phase.

Remote on / standby, call amplifier.

Supports 100V / 70V / 8Ω / 4Ω .

Free setting to limit power and voltage.

IPS colorful display.

Monitoring temperature / power / voltage / current / resistance.

Technical datasheet

MODEL			PD 700	PD 700 Dante
Output Power <small>[EIA 1KHZ 1% THD]</small>	Stereo	8Ω	700Wx4	700Wx4
		4Ω	1000Wx4	1000Wx4
	Bridge	8Ω	2x2000W	2x2000W
Output Connections			4*Speakon	
Frequency Response			20Hz - 20kHz ±0.5dB	
Input sensitivity			12dBu sensitivity (27dB) 6dBu sensitivity (33dB) 0dBu sensitivity (39dB)	
Max. input level			12dBu sensitivity (17dBu, 5.484V) 6dBu sensitivity (17dBu, 5.484V) 0dBu sensitivity (17dBu, 5.484V)	
SNR			12dBu sensitivity (103dB) 6dBu sensitivity (98dB) 0dBu sensitivity (93dB)	
THD+N			<1%@1W, 8Ω	
100V output power			bridge model, 100V(2*max 1250W)	
70V output power			bridge model, 70V(2*max 612.5W)	
Sampling			48k / 24bit	
Protection			DSP limiter, high temperature, DC, high frequency	
PC control software			Mconsole	
Mains Power supply			AC:100V-240V 50Hz-60Hz	
Weight			5.6Kg	5.6Kg
Dimensions(WXDXH)			483x309x44.5mm	



PD 1000 / PD 1000 Dante



4 in, 4 out power amplifier with integrated DSP and 4,3" colorful touch screen display. It supports a variety of input methods: analog / AES3 / Dante network. User can select each analog or Dante signal with its priority, which realizes signal backup function.

It supports constant resistance 8Ω / 4Ω and constant voltage 100V / 70V. Standard FIR automatic linear magnitude and phase function provide user a powerful setting method to speakers.



Features

Dante network audio in option and Dante-Analog backup function.

Supports AES3 digital audio input.

Built-in DSP.

FIR automatic linear magnitude and phase.

Remote on / standby, call amplifier.

Supports 100V / 70V / 8Ω / 4 Ω.

Free setting to limit power and voltage.

4,3" colorful touch screen display.

Monitoring temperature / power / voltage / current / resistance.

Technical datasheet

MODEL			PD 1000	PD 1000 Dante
Output Power [EIA 1KHZ 1% THD]	Stereo	8Ω	1000Wx4	1000Wx4
		4Ω	1600Wx4	1600Wx4
	Bridge	8Ω	2x3200W	2x3200W
Output Connections			4*speakon, 4*binding post	
Frequency Response			20Hz - 20kHz ?0.5dB	
Input sensitivity			12dBu (29.3dB, x29) 6dBu (35.5dB, x58.2) 0dBu (41.3dB, x116)	
Max. input level			6dBu sensitivity (14dBu, 3.88V) 0dBu sensitivity (8dBu, 1.94V)	
SNR			100dB@12dBu, 1kHz	
THD+N			<1%@1W, 8Ω	
100V output power			bridge model, 100V(2*max 1250W)	
70V output power			70V(4*max 1225W)	
Sampling			48k / 24bit	
Protection			DSP limiter, high temperature, DC, high frequency	
PC control software			Mconsole	
Mains Power supply			AC:180V-264V 50Hz-60Hz	
Weight			12.35Kg	12.35Kg
Dimensions(WXDXH)			485x460x90mm	

PD 1500 / PD 1500 Dante



4 in, 4 out power amplifier with integrated DSP and 4,3" colorful touch screen display. It supports 48K FIR Filter and automatic phase correction function. Its PC control software M console features FUR designed with an intuitive interface, enabling easy import of loudspeaker measurement data from Smart / REW / re Phase.



Features

Output: 4x2500W @ 2Ω / 4x2500W @ 4Ω / 4x1500W @ 8Ω / Bridge in 2x3600W @ 4Ω.

PFC switching power supply and Class-D amplifier technology, wide voltage input (100V-240V).

Supports 100V / 70V constant voltage and 8Ω / 4Ω constant impedance output.

Long term and low heat operation.

4*4 matrix processor architecture.

IIR and FIR filters (96kHz sampling).

DEQ (Dynamic EQ).

PEQ (Parameter EQ).

48K FIR filter and automatic phase correction function.

Support for Smart / Auto FIR parameters.

Dante network audio in option and Dante-Analog backup function.

Supports AES3 digital audio input.

FIR automatic linear magnitude and phase.

Remote on / standby, call amplifier.

Free setting to limit power and voltage.

Real-time monitoring of temperature, voltage, current and load status.

4,3" colorful touch screen display.

Technical datasheet

MODEL		PD 1500		PD 1500 Dante	
Output Power [EIA 1 KHZ 1% THD]	Stereo	8Ω	1500Wx4	1500Wx4	
		4Ω	2500Wx4	2500Wx4	
		2Ω	2500Wx4	2500Wx4	
	Bridge		Bridge 2*3600watts@8Ω, 2*3600W@4Ω		
Output Connections			4*speakon, 4*binding post		
Frequency Response			20Hz - 20kHz ?0.5dB		
Input sensitivity			12dBu (31dB) 6dBu (37dB) 0dBu (43dB)		
Max. input level			20dBu/7.74V		
SNR			109dB@18dBu, 1KHz, 26dB		
THD+N			<1%@1W, full load		
100V output power			100V(4*max 2000W)		
70V output power			70V(4*max 1225W)		
Sampling			96k / 24bit		
Protection			DSP limiter, high temperature, DC, high frequency		
PC control software			Mconsole		
Mains Power supply			AC:100V-240V 50Hz-60Hz		
Weight			13Kg		13Kg
Dimensions(WXDXH)			482x463x88mm		

PD Series



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