



DA-2800/DA-2800DSP

2,800W Four-Channel Power Amplifier

Technical Specifications



- 360W x 4 channels at 8 ohms
- 700W x 4 channels at 4 ohms
- Bridgeable to 1,400W x 2 channels at 8 ohms
- Two versions: DA-2800 amplifier only
DA-2800 DSP with DSP and Ethernet
- DSP Version: selectable EQ presets optimized for P860, P815, P18, P15, P10, P10Si
- DSP Version: preset crossovers for outboard biamplication of the P860, P815 and P610
- DSP Version: Ethernet control interface
- Outboard amp option for P815, P18, P15, P10
- Fully protected against DC, thermal overload and short circuits
- Four year warranty
- Neutrik® XLR balanced inputs and Speakon® speaker wire output connectors
- Recessed front panel level controls and LED indicators
- CE and CSA certified
- High efficiency Green Audio Power™ design
- Switchable 115V/230V power supply
- Compact and lightweight -
1 RU high and only 7.4 Kg (16.3 lbs.)

Defining the standard in amplification for Procella loudspeakers and subwoofers, the DA-2800 gives users a powerful platform to enable uncompromised performance with any Procella Audio speaker system.

This high-efficiency class-D amplifier has extraordinary sound quality with enormous power reserves. As you would fully expect from Procella, the DA-2800's sound quality is utterly transparent, with an extremely wide dynamic range and robust low-frequency impact.

Four channels of amplification deliver a solid 360W each at 8 ohms, or 700W each at 4 ohms, with the additional ability to produce 1,400W at 8 ohms when two channels are bridged (highly recommended for the P18!). Two versions are available: the DA-2800 is a basic power amplifier, and the DA-2800DSP adds DSP control (and Ethernet) to ensure optimal performance with any Procella loudspeaker.

In channel pairs, users have the choice of four DSP EQ presets to either optimize the response of individual

Procella subwoofers or to provide DSP crossovers for the P860, P815 and P610.

Users can choose from standard EQ preset configurations, or, on a custom order basis, specify any combination of presets. The non-DSP DA-2800 can be used where DSP is not required (e.g., P6 and P8).

Multiple speakers and/or subwoofers can be driven by a single DA-2800, depending on system requirements. The amplifier can be used in place of the onboard amp usually found on the P815, P18, P15 and P10 - simply order the speaker(s) without the integral amp. See *Specifications* for each model's amplifier requirements and options.

In a 1U rack mount height, the compact DA-2800 packs a robust output capability in a very efficient space, and it weighs just over 16 pounds.

For the ultimate Procella experience, the DA-2800 is the only amplifier choice!



DA-2800/DA-2800DSP SPECIFICATIONS

Number of Channels	Four	Front Panel Indicators	
Power Output (per channel, 4 channels)		Input LEDs:	3 green (signal, -18dB, -6dB) 1 red (clip)
8 ohms	360 Watts	Ready/Temp. LEDs:	1 white (ready) 1 yellow (thermal protection on)
4 ohms	700 Watts	Cooling	Variable speed fan, temperature controlled, airflow front to rear
Bridged Power Output (2 channels bridged)		Front Panel Controls	
8 ohms	1,400 Watts	Level	One per channel, stepped
Inputs	Balanced Neutrik XLR female connectors (4)	Power	Rocker On/Off switch
Outputs	Neutrik Speakon NL4MD connectors (4)	Back Panel Controls	
Frequency Response	10 Hz - 30 KHz (+/-3dB), for 1W @ 8 ohms	Input Link	Feeds one input to two channels (Ch.1 + Ch.2 or Ch.3 + Ch.4)
Signal to Noise	>113 dBA 20-20KHz, A weighted	DSP and Ethernet	DSP Version only (see below)
THD+N	< 0.05% from 0.1W to full power (<.01% typical)	Power Supply	115V / 230V, internally selectable; IEC connector
SMPTE IMD	< 0.05% from 0.1W to full power (<.01 typical)	Idle Power	60W (.53A @230V, 1.1A @115V)
DIM100 IMD	<0.02% from 0.1W to full power (<.005 typical)	Dimensions HxWxD	1.75" x 19" x 14.1" 44.5 x 483 x 358mm
Max. Output Voltage	85V peak	Shipping Carton HxWxD	3.5" x 22" x 18.1" 90 x 560 x 460mm
Max. Output Current	60A peak	Net Weight	16.3 lbs. / 7.4 Kg
Slew Rate	40V/msecond, input filter bypassed	Shipping Weight	19.6 lbs. / 8.9 Kg
Damping Factor	> 500 @ 100 Hz	DA-2800 DSP Version	
Crosstalk	<70 dB @ 1 KHz	DSP Presets (back panel)	Two banks of four selectable pre-programmed presets with LEDs;
Input Impedance	10 Kohms, balanced	Bank 1:	Ch.1 + Ch. 2
Input Sensitivity	1.34V / 4.76 dBu	Bank 2:	Ch. 3 + Ch. 4
Gain	32 dB	Ethernet (back panel)	RJ45 connector, rotary address switches
Certifications	CE and CSA certified	Network	Presets can be managed and uploaded over network
		Delay	up to 10 ms for each channel

Procella Speaker & Subwoofer Amplifier Channel Requirements

Note: when two amplifier channels are bridged, one amplifier input is linked to both channels

P6 and P8	1 amplifier channel
P610	2 amplifier channels (1 ch. LF, 1 ch. Mid/HF) and DSP required for biamplification
P815	3 amplifier channels (1 bridged pair LF, 1 ch. Mid/HF) and DSP required for biamplification
P860	4 amplifier channels (3 ch. LF, 1 ch. Mid/HF) and DSP required for biamplification
P10Si	1 amplifier channel and DSP required
P10 and P15	1 amplifier channel and DSP required
P18	4 amplifier channels (2 bridged pairs) and DSP required