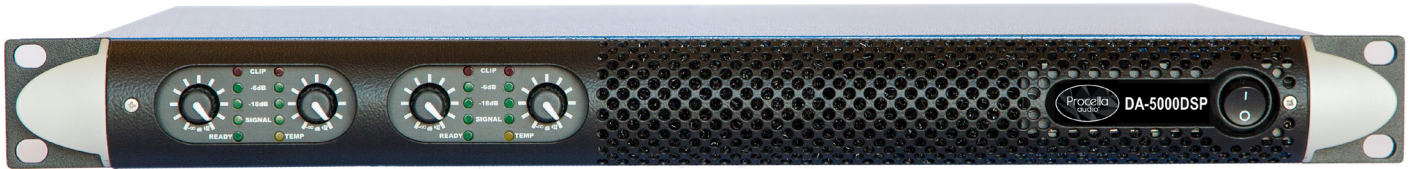




DA5000-DSP

5,000W Four-Channel Power Amplifier

Technical Specifications



- 750W x 4 channels at 8 ohms
- 1,250W x 4 channels at 4 ohms
- 2,500W x 2 channels in Bridged mode
- Dedicated subwoofer amplifier for P18, V18 and P21 subwoofers
- EQ presets optimized for P18, V18 and P21
- 24 bit/48KHz AD/DA conversion, 26-bit processing
- Ethernet control interface
- Fully protected against DC, thermal overload and short circuits
- Two year warranty
- Neutrik® XLR balanced inputs
- Speakon® speaker wire outputs
- Recessed front panel level controls and LED indicators
- Adjustable gain
- CE, CSA, KC and CCC certified
- High efficiency Green Audio Power™ design
- Internally switchable power supply for either 115V or 230V operation
- Compact and lightweight -
1 RU high
7.3 Kg (16 lbs.)

Raising the bar to take full advantage of Procella's latest generation of ultimate performance subwoofers, the DA5000-DSP provides an incredible 5,000 Watts of total power, ensuring maximum output, dynamic range and visceral impact when powering the P18, V18 and V21 subwoofers.

This high-efficiency class-D amplifier has enormous power reserves and exceptional sound quality. As you would fully expect from Procella, the DA5000-DSP offers the widest possible dynamic range, with utterly transparent sound quality.

Four channels of amplification deliver a solid 750 Watts each at 8 ohms, or 1,200 Watts each at 4 ohms. For driving the P18, V18, and V21, a single DA5000-DSP is used for each subwoofer, bridged to produce 2,500 Watts to each subwoofer driver.

In channel pairs, users have the choice of four DSP EQ presets, each optimizing the response of a specific

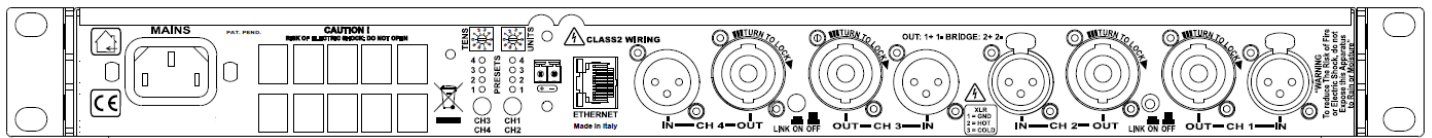
Procella subwoofer model.

Users can choose from standard EQ preset configurations, or, on a custom factory order basis, specify any combination of presets.

In non-bridged mode, multiple subwoofers can be driven by a single DA5000-DSP, depending on system requirements. See the user guide for each speaker model's amplifier requirements and options.

To conclude, the incredibly compact DA5000-DSP packs a robust output capability with two or four channels of high output amplification in a minimum of rack space. Its 1U enclosure height makes for a very efficient rack layout, especially valuable for high channel count immersive audio systems, and the DA5000-DSP weighs only 16 pounds.

For the ultimate in Procella low frequency performance, the DA5000-DSP is the only choice!



Number of Channels	Four	Ethernet (back panel)	RJ45 connector, rotary address switches
Power Output (EIAJ per channel, 4 channels)		Network	Presets can be managed and uploaded over network
8 ohms	750 Watts	Delay	up to 10 ms for each channel
4 ohms	1,250 Watts	Front Panel Indicators	
Bridged Power Output (per channel, 2 channels)		Input LEDs: (each channel)	3 green (signal, -18dB, -6dB) 1 red (clip)
8 ohms	2,500 Watts	Ready/Temp. LEDs:	1 white (ready) 1 yellow (thermal protection on)
Inputs	Balanced Neutrik XLR female connectors (4)	Front Panel Controls	
Outputs	Neutrik Speakon NL4MD connectors (4)	Level	One per channel, stepped
Frequency Response	10 Hz - 30 KHz (+/-3dB), for 1W @ 8 ohms	Power	Rocker On/Off switch
Signal to Noise	>108 dBA 20-20KHz, A weighted	Back Panel Controls	
THD+N	<0.08% @ 1/2 of full power	Presets	Preset selection switches and indicators
SMPTE IMD	<0.08% @ 1/2 of full power	Input Link	Feeds one input to two channels (Ch.1 + Ch.2 or Ch.3 + Ch.4)
DIM100 IMD	typically <0.005% (<0.02%@ >0.1W)	Power Supply	Switch mode 115V / 230V, internally selectable; IEC connector
Max. Output Voltage	135V peak	Power Consumption	
Max. Output Current	65A peak	Idle	115V: 64W / 0.6A 230V: 64W / 0.51A
Slew Rate	40V/msecond, input filter bypassed	1/8 max output power	115V: 905W / 11.6A 230V: 905W / 5.8A
Damping Factor	>5000 @ 100 Hz	1/4 max output power	115V: 1,772W / 22.2A 230V: 1,772W / 11.1A
Crosstalk	<70 dB @ 1 KHz	BTU (1/8 full power)	955W
Input Impedance	10 Kohms, balanced	In The Box	User manual, Power cord, Parallel cable, 4x Speakon connectors
Input Sensitivity	1.94V / 7.97 dBu	Dimensions HxWxD	1.75" x 19" x 14.1" 44.5 x 483 x 358mm
Gain	32 dB	Shipping Carton HxWxD	3.5" x 22" x 18.1" 90 x 560 x 460mm
Certifications	CE, CSA, KC, CCC certified	Net Weight	16 lbs. / 7.3 Kg
Cooling	Variable speed fan, temperature controlled, airflow front to rear	Shipping Weight	19.3 lbs. / 8.8 Kg
DSP Presets	Two banks of four selectable pre-programmed presets with LEDs (back panel)		
Bank 1:	Channels 1 and 2		
Bank 2:	Channels 3 and 4		