



DA-05/DA-06 DSP

DSP Power Amplifiers

Technical Specifications



- DA-06: 1,200 W x 2 at 4 ohms
600 W x 2 at 8 ohms
- DA-05: 600 W x 2 at 4 ohms
300 W x 2 at 8 ohms
- Custom programmed with 32 DSP Presets:
 - Crossovers for P860, P815, and P610 with room placement and screen compensation
 - EQ and room placement compensation for P18, V6, P15, P10, and P10Si subwoofers
 - Room placement and screen compensation for P28, P8, P6iW, P6, P6V, and P5 speakers
- Neutrik® XLR balanced inputs
- Binding post and speakOn® output connectors
- AES3 digital inputs
- Network control with touch-based GUI
- Wireless control via iPad
- Integrated DSP: integrator accessible parametric EQ, hi and lo-pass filters, crossovers
- Three year warranty
- Fully certified: CE, UL (ANSI/UL, CAN/CSA), PSE, RCM, CCC, FCC.
- Universal power supply: 100 -240V at 50 or 60 Hz
- Compact and lightweight - 1 RU high and 6.2 Kg / 13.7 lbs. (DA-05); 7.8 Kg / 17.2 lbs. (DA-06)

Comprehensive DSP optimization for Procella loudspeakers and massive output capability make the DA-05 and DA-06 DSP power amplifiers the ideal platform for uncompromised performance with any Procella Audio speaker system.

These high-efficiency two-channel class-D amplifiers combine extraordinary sound quality with enormous power reserves to produce utterly transparent sound with effortless dynamic range and robust low-frequency impact. In a 1RU chassis, two versions enable system designers to match output capability to meet any system's requirements.

DA-05

The DA-05 delivers 300 Watts per channel into 8 ohm loads, suitable for the majority of applications with Procella loudspeakers. Into 4 ohms, its output doubles to 600 Watts per channel, making it the ideal amplifier for the P15-FP subwoofer and P28 loudspeaker.

DA-06

For the largest rooms and maximum output levels, the DA-06 provides 600 Watts per channel into 8 ohm

loudspeakers and a massive 1,200 watts per channel into 4 ohm loads, maximizing the performance of the P860, P815, and the P18 (2,400 Watts) and V6 (3,600 Watts) subwoofers.

DSP Presets

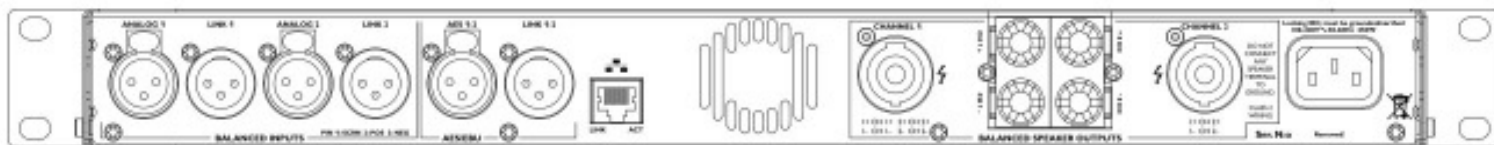
Thirty-two user-selectable DSP presets are available to optimize the performance of all Procella loudspeakers and subwoofers.

For full-range speakers such as the P610, P815 and P860, the presets provide active crossovers and EQ that fine-tunes response for common room placement locations including baffle walls.

The P15, P18, V6 and P10Si subwoofer presets ensure proper EQ and tune response to compensate for wall, corner, and free-standing subwoofer placements.

For the P5, P6, P6V, P6iW, P8, and P28 speakers, the presets optimize for wall or free-standing placement. For all speakers, there is also an EQ setting for high frequencies when used with perforated screens.

For the ultimate Procella experience, the DA-05 and DA-06 are the amplifiers of choice!



SPECIFICATIONS

DA-05

DA-06

General

Number of channels (not bridgeable)		2
Maximum total output power	1200 W	2400W
Output voltage	70 v peak / 50 Vrms / 36.2 dBu	100 V peak / 70 Vrms / 39.2 dBu
Output current	16 Arms	20 Arms

Max. Output Power (per ch., all ch.'s driven)

2 ohms	500 W	800 W
4 ohms	600 W	1200 W
8 ohms	300 W	600 W
16 ohms	150 W	300 W

Performance

THD+N 20 Hz - 20 kHz @ 1 W		<0.1%
THD+N @ 1 kHz, 1 dB below clip		<0.05%
Output noise		-66 dBu
Signal To Noise Ratio	102 dB	105 dB
Channel separation @ 1 kHz		>80 dB
Frequency response (-3 dB)		2 Hz - 42 kHz
Input impedance		18 kOhm
Common Mode Rejection (CMR)		>50 dB
Output impedance		25 mOhm
Input sensitivity for maximum output voltage		6 dBu
Maximum analog input level		20 dBu
Gain (all DSP controls set to 0 dB)	30.2 dB	33.2 dB

Mains power

Nominal mains voltage		100 - 240 VAC
Operating mains voltage		60 - 265 VAC
Standby consumption	<6.5 W	<7.5 W
Mains connector		Locking IEC inlet

Physical

Dimensions W x H	W: 483 mm (19"), H: 44 mm (1 U)	
Depth (Rack rail - rear panel)	272 mm (10.7")	359 mm (14.1")
Depth (over all incl. handles & rear support)	344 mm (13.5")	431 mm (17.0")
Weight	4.6 kg (10.1 lbs)	6.2 kg (13.7 lbs)
Shipping Carton H x W x D	110 x 540 x 420 mm 4.3" x 21.25" x 16.5"	110 x 540 x 500 mm 4.3" x 21.25" x 19.69"
Shipping Weight	6.2 Kg (13.7 lbs.)	7.8 Kg (17.2 lbs.)
Finish	Black, anodized aluminum front panel. Black/gray steel chassis.	

Connectors

Analog input connectors per channel	3-pin XLR female
Analog input link connectors per channel	3-pin XLR male
AES input connector	3-pin XLR female
AES input link connector	3-pin XLR male
Output connectors per channel	Neutrik speakON / Binding posts, electronically balanced
Network connector	RJ45 (Ethernet)

Approvals

CE, UL (ANSI/UL, CAN/CSA), PSE, RCM, CCC, FCC.

All specifications are subject to change without notice.