



# DA4140-DSP

Highly versatile  
select four channels to deliver a solid 4x140W  
bridge to two channels and produce a dynamic 2x280W  
Three versions: Standard, P610 Mk II, P15



## INTRODUCTION

Procella's DA4140-DSP high-efficiency class-D power amplifier provides Procella enthusiasts with a versatile and compact solution that occupies just a single half-rack space. It can be used as a four channel amplifier at 140W per channel, or as a two-channel amplifier bridged to deliver 280W each. Its uncompromised dynamic output and transparent sound quality are an ideal complement for a wide variety of Procella loudspeaker configurations. The DA4140-DSP is available in three versions: 1) no DSP program, 2) P610 Mk II (bi-amplified with active crossover, one amp per speaker), and 3) P15 subwoofer (one amp per subwoofer).

## TECHNICAL SPECIFICATIONS

<b>Output power @ 4<math>\Omega</math>/8<math>\Omega</math></b> All channels driven	4x 140W	<b>Operating Voltage/Frequency</b>	Universal Mains 100-240V, 50-60Hz
<b>Output power @ <math>\Omega</math>/8<math>\Omega</math></b> Powershare Ch1/2 and 3/4	2x 280W	<b>Power Consumption</b>	idle 6,5W, 1/8 full power 150W
<b>Max. Output current</b>	25A peak	<b>Standby Consumption</b>	<0.5 W (Energy Star & ErP 1275/2008/EC compliant)
<b>Output Circuitry</b>	UMACTM Class D - full bandwidth PWM modulator with ultra-low distortion	<b>Standby</b>	Automatic or via GPIO connecting to ground
<b>Signal To Noise-Ratio</b>	>106 dB (default gain, A-weighted, 20 Hz-20 kHz, 8 $\Omega$ )	<b>Carton content</b>	Mains power cable 4x XLR to Euroblock cables Input connector 4x GPIO socket connector Output connector 4x Rack ear, half-rack extension Adhesive rubber feet 4x User guide
<b>THD+N (typical)</b>	<0.05% (20 Hz - 20 kHz, 8 $\Omega$ load 3 dB below rated power)	<b>Dimensions</b> W x D x H Net weight	220 x 319 x 44 mm 8.6" x 12.6" x 1.7" 2,8 Kg / 4,4 Lbs
<b>Frequency Response</b>	20 Hz - 20 kHz (+0/-0.25 dB 8 $\Omega$ load, 3 dB below rated power)	<b>Shipping Carton</b> W x D x H Shipping weight	520 x 325 x 125 mm 11,81" x 14,57" x 3,94" 3,8 Kg / 6,61 Lbs
<b>Protection Circuits</b>	Short circuit protection, DC protection under voltage protection temperature protection overload protection	<b>Assembly</b>	Manufactured in Denmark by Pascal A/S
<b>Power Supply</b>	URECTM universal mains switch mode power supply with Power Factor Correction (PFC) and integral standby converter		