The Pascal M-PRO & X-PRO series is a dedicated pro audio platform for 1, 2 and 3-way self-powered loudspeakers. The X-PRO series has a dedicated high power channel and mid powered channels to match the asymmetrical power requirements of multi-way loudspeakers.

### Ultra High Power
The Pascal X-PRO series has a dedicated high power channel and up to two mid power channels. This asymmetrical power distribution matches the power requirements of typical multi-way loudspeakers or small loudspeaker systems. The unique XPC™ circuitry enables the high power channel to deliver up to 2500 Watts on a loudspeaker load.

### Unmatched Sonic Performance
Thanks to Pascal's proprietary UMAC™ Class-D technology, Pascal amplifier modules delivers unmatched audio specifications. This UMAC™ technology is the reason the Pascal M-PRO & X-PRO series has the highest dynamic range and the lowest distortion in the pro audio industry.

### Fully Self-Protected
The amplifier module protection scheme is the most comprehensive in the pro audio industry and is designed after an audio-at-all-times principle. All relevant protection features have been implemented individually for the SMPS as well as for each amplifier channel ensuring high reliability.

### Advanced Readouts for DSP/Network
In addition to the conventional readouts and auxiliary power, the Pascal amplifier modules offers a wide range of advanced real time readouts, such as voltage, current and temperature. This offers the possibility to fully interface to even the most advanced DSP- and network solutions.

### Universal Mains
Pascal's UREC™ power supply technology integrated in Pascal amplifier modules provides universal mains operation for 120 V and 230 V, eliminating the need for market specific selfpowered loudspeakers and related reliability issues. The power supply is regulated delivering consistent power world-wide.

### Safety Approved - EMC Compliant
Pascal amplifier modules are safety approved and verified for EMC compliance. CB test certificates are available for easy market approval of the final selfpowered loudspeaker.
Specifications:

X-PRO3
3 channels

X-PRO2
2 channels

X-PRO1
1 channel

M-PRO2
2 channels

Power Ratings (RMS @ 1% THD @ 230Vac)

<table>
<thead>
<tr>
<th></th>
<th>Impedance</th>
<th>Channel 1</th>
<th>Channel 2</th>
<th>Channel 3</th>
<th>Bridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-PRO3</td>
<td>4 Ω</td>
<td>2500 W* / 2000 W</td>
<td>800 W</td>
<td>800 W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 Ω</td>
<td>1500 W</td>
<td>400 W</td>
<td>400 W</td>
<td>2 x 1500 W</td>
</tr>
<tr>
<td>X-PRO2</td>
<td>4 Ω</td>
<td>2500 W* / 2000 W</td>
<td>700 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 Ω</td>
<td>1500 W</td>
<td>400 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X-PRO1</td>
<td>4 Ω</td>
<td>2500 W* / 2000 W</td>
<td>800 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 Ω</td>
<td>1500 W</td>
<td>400 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M-PRO2</td>
<td>4 Ω</td>
<td>800 W</td>
<td>800 W</td>
<td></td>
<td>1400 W</td>
</tr>
<tr>
<td></td>
<td>8 Ω</td>
<td>400 W</td>
<td>400 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Output Circuitry
UMAC™ Class D - full bandwidth PWM modulator with ultra low distortion

Output Voltage
Channel 1 on X-PRO series: 160 Vp / 320 Vpp unloaded All other channels: 80 Vp / 160 Vpp unloaded

Amplifier Gain
Channel 1 on X-PRO series: 32 dB All other channels: 26 dB

Signal To Noise-Ratio
> 120 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)

THD+N (typical)
< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)

Frequency Response
20 Hz - 20 kHz (+0/-0.25 dB (8 Ω load, 3 dB below rated power)

Damping Factor
> 1000 (8 Ω load, 1 kHz and below)

Protection Circuits
Input limiter, short circuit protection, DC protection of output, under & over voltage protection, intelligent mains fuse protection, power stage overload protection, temperature protection of transformers and heat-sinks

Readouts for DSP/Network
Protect/Disable (mute), Heatsink temperature, Clip (for each channel), Output voltage (for each channel), Output current (for each channel), SMP5 Limit (power supply limiter)

Power Supply
UREC™ universal & regulated switch mode power supply

Operation Voltage
Universal Mains, 85-268V (dual voltage auto selection)

Control Options
Sleep Mode (only +7 V live), Disable outputs (mute), Temperature reduction ON/OFF

Aux. Power for DSP
±15 V (150 mA), +7 V (1 A, delivered by standby power supply)

Weight
X-PRO3: 2.6 kg/5.7 lbs - X-PRO2: 2.3 kg/5.1 lbs - X-PRO1: 2.0 kg/4.4 lbs - M-PRO2: 1.6 kg/3.5 lbs

All specifications are typical values
* Power rating on typical loudspeaker load enabled by the XPC™ (Excessive Power Control) circuitry

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