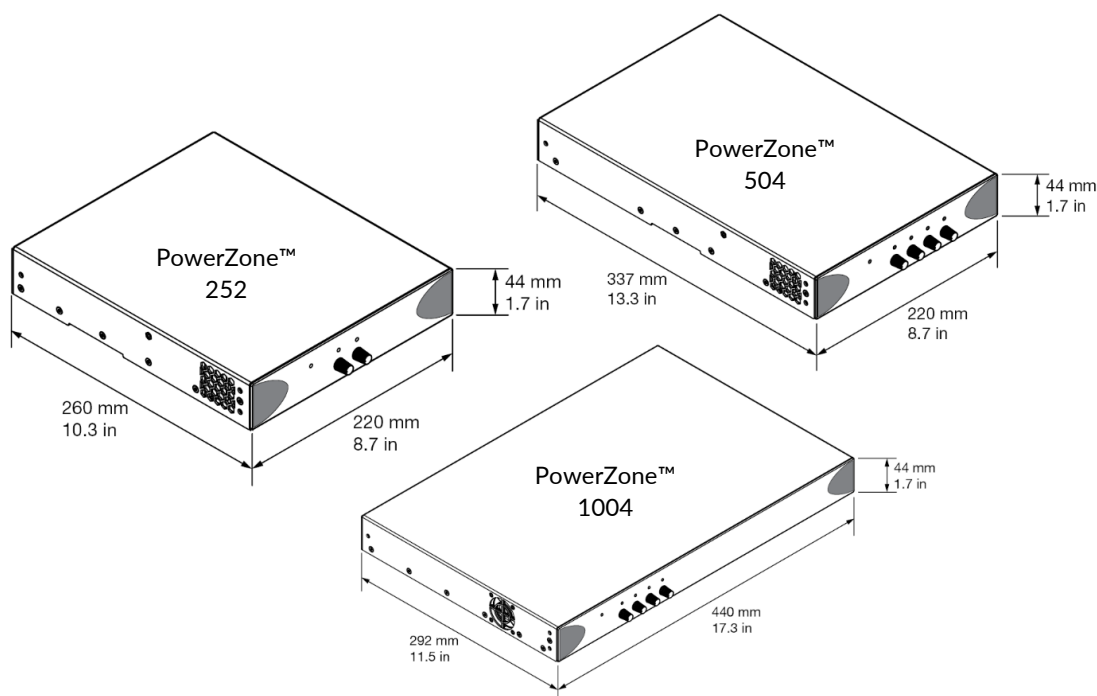## 2/4 Channel Install Power Amplifiers
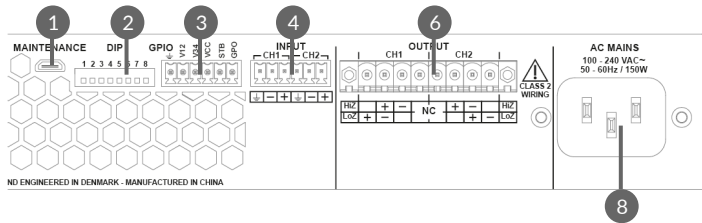
PowerZone™ · 252 · 504 · 1004

The PowerZone™ series of install power amplifiers are designed to provide affordable, versatile, and reliable high-performance audio power.

- **All channels deliver high & low impedance loads** – meaning one amplifier can replace two, and saves you costs and installation time.
- **Total power is automatically shared across the output channels** – use one PowerZone™ amp to utilize the power where you need it (*model-specific feature).
- **Ultra-compact form factor** – means the ½ rack PowerZone™ are so small and neat they can be installed in spaces where other brands cannot.
- **Consolidate products and brands** – save the hassle of sourcing multiple amplifiers when PowerZone™ can be used on many different install sites.

- **Easy to configure DIP Switches** - allow you to set up on-site as you need and has front panel control lock to stop unwanted changes to your setup.
- **GPIO interface –** enables adding a standard remote control (potentiometer) to the system.
- **Class leading energy efficiency –** means a day-to-day energy saving and long-term low cost of ownership.
- **Pascal's UMAC™ Class-D amplifier technology –** with market proven, ultra-reliable U-PRO amp modules
- PowerZone™ quality and reliability are backed up with a **5-year warranty.**

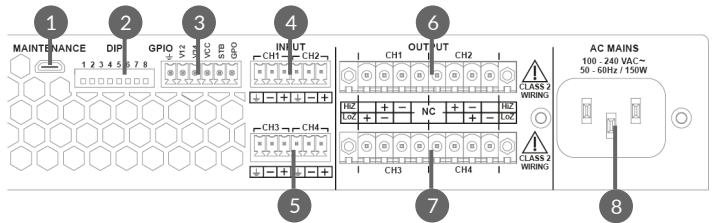## DIMENSIONS

PowerZone™ 252 — 44 mm / 1.7 in, 260 mm / 10.3 in, 220 mm / 8.7 in

PowerZone™ 504 — 44 mm / 1.7 in, 337 mm / 13.3 in, 220 mm / 8.7 in

PowerZone™ 1004 — 44 mm / 1.7 in, 292 mm / 11.5 in, 440 mm / 17.3 in

2 Channel PowerZone™ 252

4 Channel PowerZone™ 504 & 1004

1. Maintenance Port (Only Used by Blaze / Manufacturer)
2. DIP Switches (see user Manual for configuration options)
3. GPIO Connections
4. INPUT – Channel 1&2
5. INPUT – Channel 3&4
6. OUTPUT – Channel 1&2
7. OUTPUT – Channel 3&4
8. Mains Power

Model	PowerZone™ 252	PowerZone™ 504	PowerZone™ 1004
Total System Power	250 W	500 W	1000 W
Output Power @ 4/8Ω	2 x 125 W	4 x 125 W	4 x 250 W
Output Power @ 70/100V*	2 x 125 W	4 x 125 W	4 x 250 W
Powershare (up to) *Across all channels**	1 x 250 W	2 x 250 W	N/A
Total System Power	250 W	500 W	1000 W
Power Consumption	75W	150W	300W
Dimensions	44.5 x 220 x 262 mm (1.75 x 8.66 x 10.31 in)	44.5 x 220 x 337 mm (1.75 x 8.66 x 13.27 in)	44.5 x 440 x 292 mm (1.75 x 17.32 x 11.50 in)
Weight	1.9 kg (4.2 lbs)	2.4 kg (5.3 lbs)	3.6 kg (7.9 lbs)
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion		
Output Voltage	45Vrms (S.E) - 70/100V (Hi-Z)		
Signal To Noise-Ratio	> 100 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)		
Protection Circuits	Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection		
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and integral standby converter		
Operating Voltage/Frequency.	Universal Mains, 100-240V, 50-60Hz		
Standby Consumption	< 0.5 W (Energy Star & ErP 1275/2008/EC compliant)		
Accessories	2x Rack ears (supplied with PowerZone™ 1004) 1x 1/2 rack plate extension 2x 1/2 rack mounting 2x Rear supports		
Power Ratings	1% THD @ 120VAC and 230VAC		

*100V line mode is @ -1dB

**504 may only Powershare across Ch1/2 and Ch3/4

Connection Plate +
4 x M3 x 6 csk

Half-rack extension +
2 x M4 x 8 csk

Rack Ear +
2 x M4 x 8 csk

Adhesive Foot

Mounting Plate +
2 x M3 x 6 csk

Rear Support + Button +
1 x M4 x 8