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USE CASE



Café
4 zones

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An 8-channel DSP-enabled multi-zone power amplifier is a powerful tool for setting the mood throughout various areas of a café.

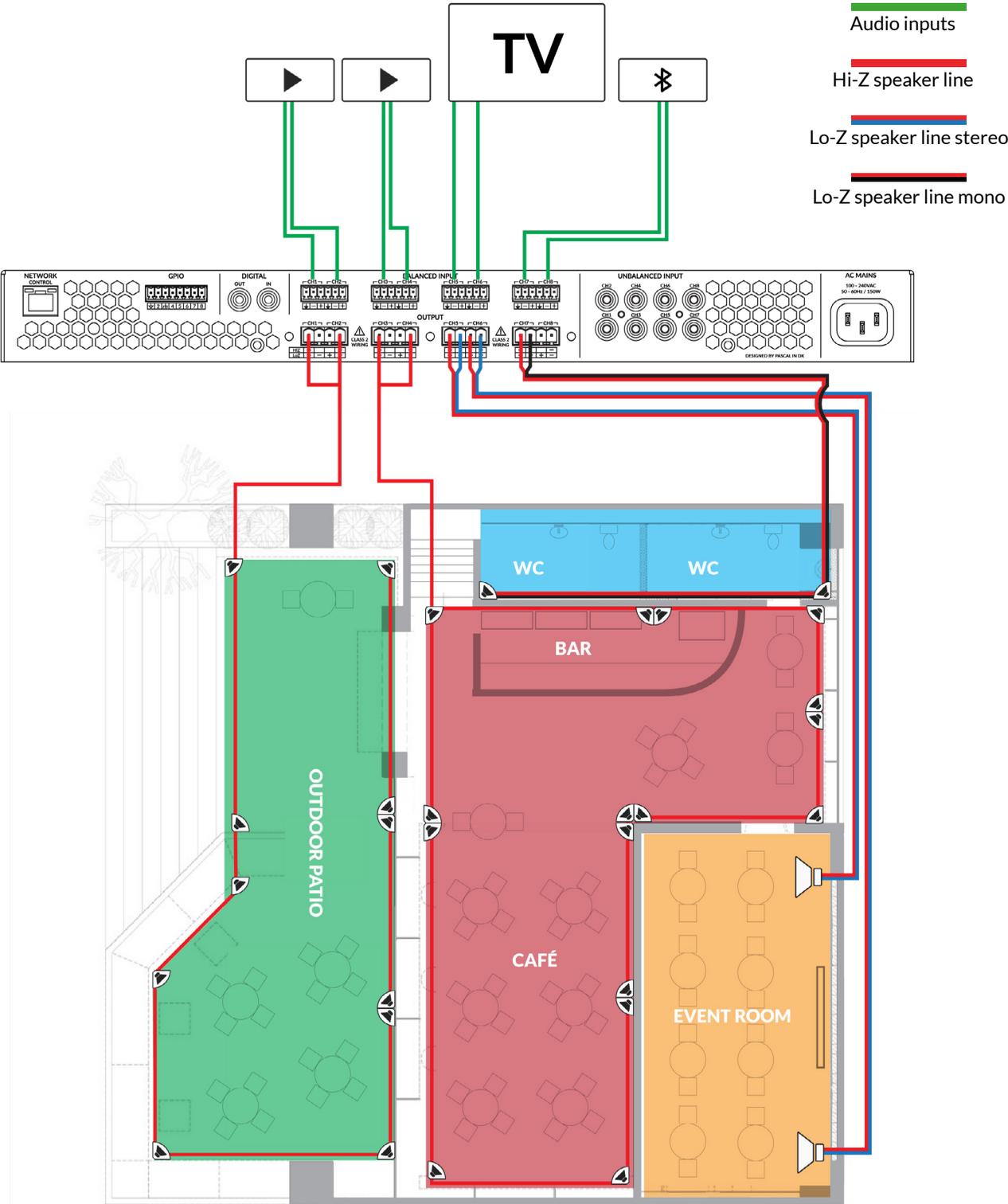
It has the capability to manage background music throughout the entire store or divide it into multiple zones, each with its own individual audio source and volume control.

For instance, the indoor areas might require a distinct music source and volume level compared to the outdoor area, ensuring a more personalized atmosphere.

On the next page, there's an illustration of how our PowerZone™ Connect 508 could serve as the audio power source in a café.



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PowerZone™ Connect 508



Total System Power	500 W
Output Power @ 4/8 Ω	8 x 60 W
Output Power @ 70/100 V	4 x 125 W (100 V line mode is @ -1 dB (≈ 90 V))
Powershare (up to) Across all channels	2 x 250 W (250 W across ch 1/2/3/4 and 250 W across ch 5/6/7/8)
Power Consumption	150 W
Dimensions	44 x 220 x 319 mm (1.7 x 17.3 x 12.6 in)
Weight	3.5 kg (7.7 lbs)
Power Ratings	1% THD @ 120 Vac and 230 Vac
Output Circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion
Output Voltage	70 Vp / 140 Vpp (unloaded) / Bridged 140 Vp / 280 Vpp (unloaded)
Signal To Noise-Ratio	>106 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/-0.8 dB (8 Ω load, 3 dB below rated power)
Protection Circuits	Short circuit -, DC -, Undervoltage -, Temperature - and Overload protection
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter
Operating temperature	0 - 40° C
Operating Voltage / Frequency	Universal Mains, 100 V - 240 V, 50 Hz - 60 Hz
Standby Consumption	< 0.6 W
Accessories	2 x Rack ears (fitted) 2 x Rear supports