

# BLAZE

## USE CASE



**Conference Hall**  
**4 zones**

[blaze-audio.com](http://blaze-audio.com)

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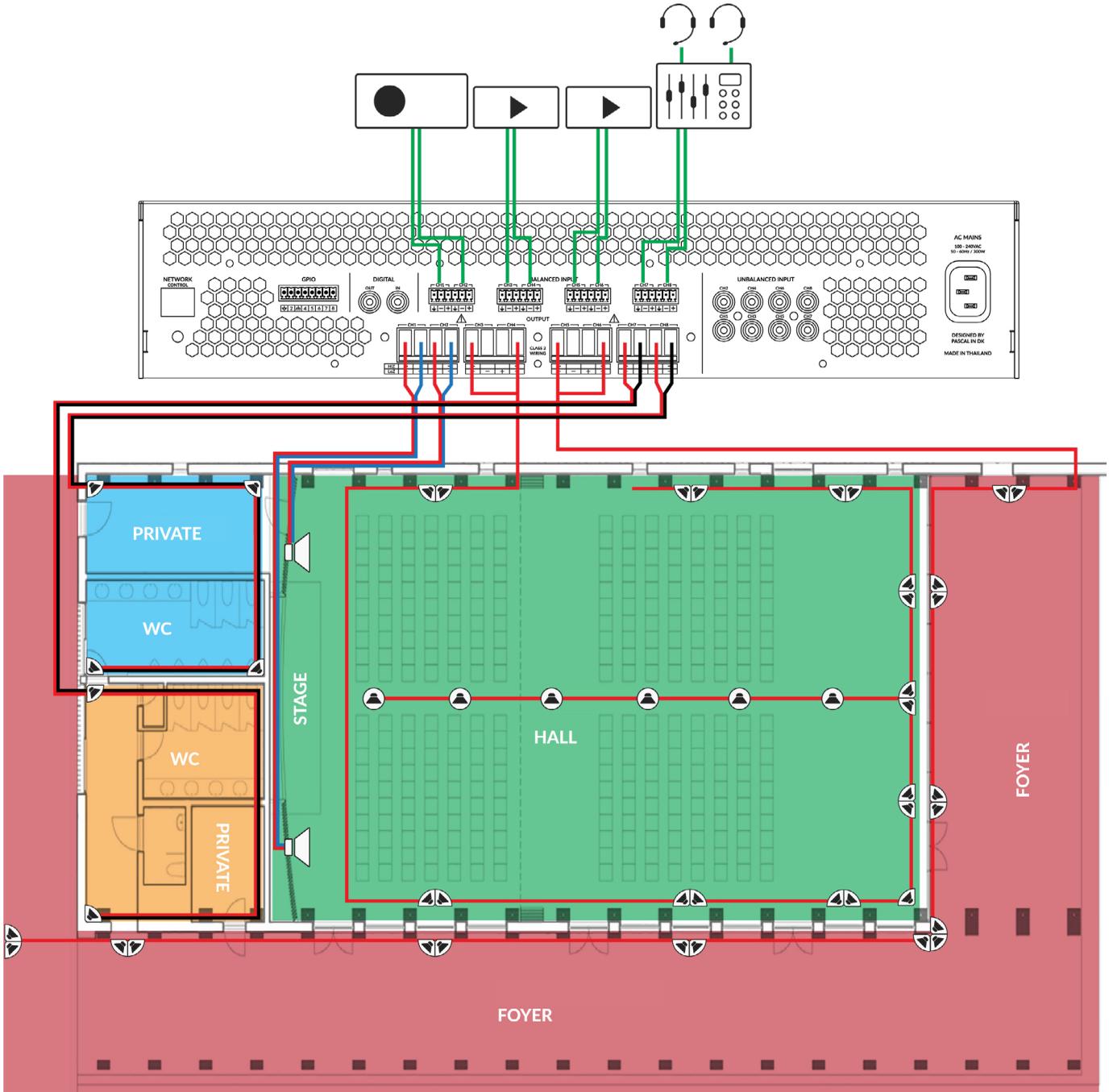
An 8-channel DSP-enabled multi-zone power amplifier is an effective tool for shaping the audio environment in various areas of a conference hall. It can manage speech from multiple presenters, background music, keynote audio etc. throughout the entire venue, or divide it into multiple zones, each with its own audio source and volume control.

For instance, a keynote speaker in the hall might require a distinct audio setup compared to the foyer, with distinct sources and volume levels for each area.

On the next page, there's an illustration of how our PowerZone™ Connect 6008 could serve as the audio power source in a conference hall.



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— Audio inputs    
 — Hi-Z speaker line    
 — Lo-Z speaker line stereo    
 — Lo-Z speaker line mono

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## PowerZone™ Connect 6008



Total System Power	6000 W
Channels	8 x Lo-Z/4 x Hi-Z
Output Power @ 70/100 V	70 V: 4 x 1200 W, 100 V: 4 x 1500 W (BTL)*
Output Power @ 2/4/8 Ω	2 Ω: 8 x 750 W (SE)*    4 Ω: 8 x 750 W (SE)*, 4 x 1500 W (BTL)**    8 x 400 W (SE)*, 4 x 1500 W (BTL)**
Power Consumption	1400 W
Dimensions	88 x 440 x 414 mm (3.5 x 17.3 x 16.3 in)
Weight	11.6 kg (25.6 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 Rack ears included (fitted) 4 adhesive feet, input/output connection plugs (included) 2 Rear rack support brackets

\*SE – conventional, single ended output mode

\*\*BTL – bridge-tied load output mode