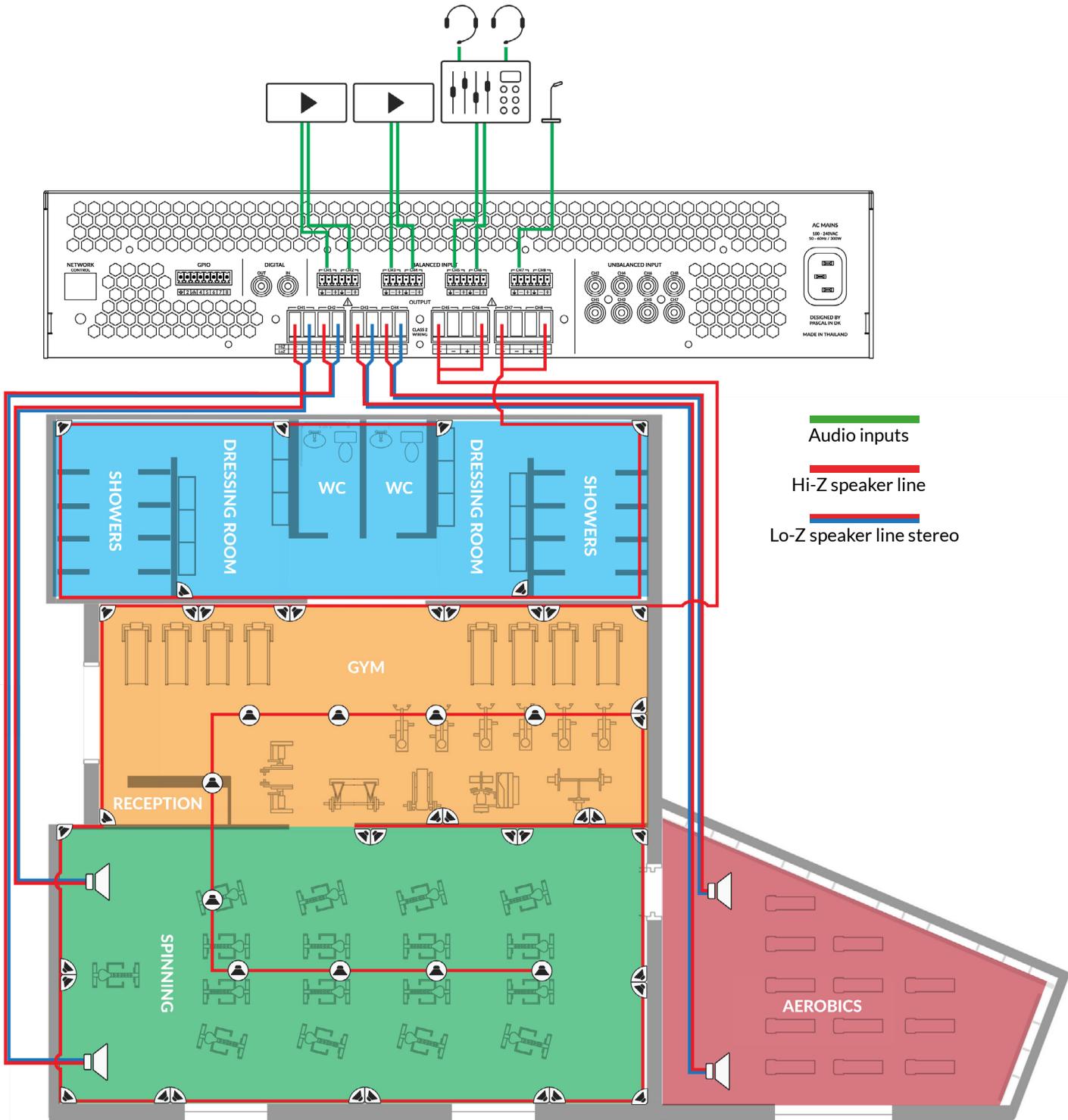# BLAZE

USE CASE

Fitness Club
4 zones

An 8-channel DSP-enabled multi-zone power amplifier is a powerful tool for setting the mood throughout various areas of a fitness club.
It has the capability to manage background music or announcements throughout the entire gym or divide it into multiple zones, each with its own individual audio source and volume control.
For instance, the spinning room might require a distinct music source and volume level compared to the aerobic room, ensuring a more personalized atmosphere for the fitness club members.

On the next page, there's an illustration of how our PowerZone™ Connect 4008 could serve as the audio power source in a medium-sized fitness club.

BLAZE

Audio inputs

Hi-Z speaker line

Lo-Z speaker line stereo

SHOWERS

DRESSING ROOM

WC

WC

DRESSING ROOM

SHOWERS

GYM

RECEPTION

SPINNING

AEROBICS

NETWORK CONTROL

GPIO

DIGITAL

OUT IN

BALANCED INPUT

UNBALANCED INPUT

OUTPUT

CLASS 2 WIRING

HI-Z LO-Z

AC MAINS
100 - 240VAC
50 - 60Hz / 300W

DESIGNED BY
PASCAL IN DK

MADE IN THAILAND

blaze-audio.com

BLAZE

PowerZone™ Connect 4008

Total System Power	4000 W
Channels	8 x Lo-Z/4 x Hi-Z
Output Power @ 70/100 V*	70 V: 4 x 1200 W and 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