

CONNECT • CONFIGURE • CONTROL

**AMPLIFIERS  
SOFTWARE  
LOUDSPEAKERS  
CONTROLLERS**

**BLAZE**

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**Blaze Audio specialize in pro audio solutions tailored for the installed sound market.**

**Our products deliver the power and exceptional sound performance demanded in commercial locations, and the technology, quality, and reliability expected by the professional audio market.**

# BLAZE

PowerZone™ series



PowerZone™

**252**

250 W | 2 CH



**504**

500 W | 4 CH



**1004**

1000 W | 4 CH

## PowerZone™ series

The PowerZone™ series consists of non-networked Class-D installation amplifiers engineered for professionals who demand affordable, reliable, high-performance audio power.

Key features include flexible configuration options that allow each output channel to be independently set to drive either Lo-Z or Hi-Z loads, enabling you to tailor your system to drive both types of loudspeakers from a single unit. Additionally, the PowerZone™ series' power-sharing technology (exclusive to the 252 and 504

models) intelligently distributes the total available power across channels, ensuring optimal performance and reliability.

With full rack support and adaptable desk and wall mount brackets, the PowerZone™ series offers unparalleled installation versatility in a compact form factor that seamlessly fits into spaces where other amplifiers may fall short. Like all PowerZone™ products from Blaze Audio, these amplifiers come with a 5-year warranty.



### KEY FEATURES

- Compact 1U form factor.
- Hybrid power distribution in both Lo-Z and Hi-Z.
- Flexible power sharing across output channels (252/504 only).
- Powered by Pascal UMAC™ Class-D technology.
- Eight-position DIP switch for operational configuration, including locking front panel gain control.
- GPIO interface for remote volume and standby.
- ErP and Energy Star compliant.
- UL listed audio equipment.

### TECHNICAL OVERVIEW

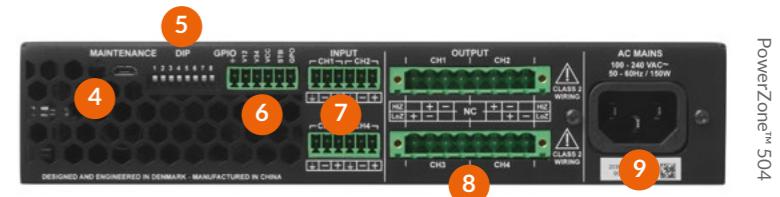
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PowerZone™ 504



1. **Power LED** Standby indicator.
2. **Channel LED** Signal status indicators.
3. **Channel Gain Adjust Controls** One per channel.
4. **Maintenance Port** Only used by Blaze Audio.
5. **DIP Switches** See user manual for configuration options.



6. **GPIO Connections** External control & monitoring.
7. **INPUT** All channels.
8. **OUTPUT** All channels.
9. **Mains Power** IEC 90-268 Vac input.

### MODEL OVERVIEW



Model	PowerZone™ 252	PowerZone™ 504	PowerZone™ 1004
Channels	both channels Lo-Z and/or Hi-Z	all channels Lo-Z and/or Hi-Z	all channels Lo-Z and/or Hi-Z
Output Power @ 4/8 Ω	2 x 125 W	4 x 125 W	4 x 250 W
Output Power @ 70/100 V	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
Power Consumption	75 W	150 W	300 W
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)
<b>Total System Power</b>	<b>250 W</b>	<b>500 W</b>	<b>1000 W</b>

# BLAZE

PowerZone™ Connect 1U series



## PowerZone™ Connect 1U



<b>122/122D</b> 125 W   2 CH	<b>252</b> 250 W   2 CH	<b>254</b> 250 W   4 CH	<b>504/504D</b> 500 W   4 CH
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<b>508</b> 500 W   8 CH	<b>1008/1008D</b> 1000 W   8 CH
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# PowerZone™ Connect 1U series

The award-winning PowerZone™ Connect 1U series is a line of DSP-enabled Class-D amplifiers designed to simplify the lives of system installers, providing unmatched reliability, efficiency, and exceptional system configuration. Their compact form factor makes them an ideal choice for audio and voice installations with limited space constraints, demanding high output performance of up to 1000 W. Available in 2, 4, and 8-channel configurations, with select models compatible with Audinate Dante™ AoIP networks and installations, the 1U family powers both conventional low-impedance (4 Ω to 16 Ω) loudspeakers and constant voltage (70 V/100 V) transformer-coupled

## KEY FEATURES

- Compact 1U form factor.
- DSP configuration via PowerZone™ Control web app (built-in).
- Hybrid power distribution in both Lo-Z and Hi-Z.
- Powered by Pascal UMAC™ Class-D technology.
- Flexible power sharing across output channels.

loudspeakers, and features automatic power-sharing technology for proportional distribution in both Lo-Z and Hi-Z modes.

Our web app, PowerZone™ Control, is integrated into the firmware of our PowerZone™ Connect amplifiers and is designed for intuitive configuration of even the most challenging audio and voice systems. It provides seamless control over a wide range of DSP configuration and tuning features, including multi-zone setup, input mixing, end-user control, priority and ducking, restriction, input and output EQ, S/PDIF output routing, high-pass filter, speaker presets, delay, Sine generator, and much more.



\*PowerZone™ Connect 504D

1. **RJ45 connection** Direct Network access (Ethernet).
2. **Dante™ AoIP RJ45 port.**
3. **GPIO Connections** External control & monitoring.
4. **Wi-Fi antenna.**
5. **S/PDIF digital input/output.**
6. **4x Unbalanced RCA input.**
7. **Balanced inputs.**
8. **4x Lo-Z outputs or 2x Hi-Z outputs.**
9. **Mains Power** IEC 90-268 Vac input.

## MODEL OVERVIEW

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Model	PowerZone™ Connect 122/122D	PowerZone™ Connect 252	PowerZone™ Connect 254	PowerZone™ Connect 504/504D
Channels	2 x Lo-Z/1 x Hi-Z	2 x Lo-Z/1 x Hi-Z	4 x Lo-Z/2 x Hi-Z	4 x Lo-Z/2 x Hi-Z
Output Power @ 4/8 Ω	2 x 60 W	2 x 125 W	4 x 60 W	4 x 125 W
Output Power @ 70/100 V	1 x 125 W	1 x 250 W	2 x 125 W	2 x 250 W
Powershare (up to) Across channels	1 x 125 W	1 x 250 W	1 x 250 W	2 x 250 W <sup>2</sup>
Power Consumption	75 W	75 W	75 W	150 W
Dimensions	44 x 220 x 213 mm (1.7 x 8.7 x 8.4 in)	44 x 220 x 213 mm (1.7 x 8.7 x 8.4 in)	44 x 220 x 319 mm (1.7 x 8.7 x 12.6 in)	44 x 220 x 319 mm (1.7 x 8.7 x 12.6 in)
<b>Total System Power</b>	<b>125 W</b>	<b>250 W</b>	<b>250 W</b>	<b>500 W</b>



Model	PowerZone™ Connect 508	PowerZone™ Connect 1008/1008D
Channels	8 x Lo-Z/4 x Hi-Z	8 x Lo-Z/4 x Hi-Z
Output Power @ 4/8 Ω	8 x 60 W	8 x 125 W
Output Power @ 70/100 V	4 x 125 W	4 x 250 W
Powershare (up to) Across channels	2 x 250 W <sup>3</sup>	4 x 250 W <sup>4</sup>
Power Consumption	150 W	300 W
Dimensions	44 x 440 x 319 mm (1.7 x 17.3 x 12.6 in)	44 x 440 x 319 mm (1.7 x 17.3 x 12.6 in)
<b>Total System Power</b>	<b>500 W</b>	<b>1000 W</b>

100 V line mode is @ -1 dB (= 90 V)

<sup>2</sup>PowerZone™ Connect 504: 250 W across ch 1/2 and 250 W across ch 3/4

<sup>3</sup>PowerZone™ Connect 508: 250 W across ch 1/2/3/4 and 250 W across ch 5/6/7/8

<sup>4</sup>PowerZone™ Connect 1008: 250 W across ch 1/2, 250 W across ch 3/4, 250 W across ch 5/6, 250 W across ch 7/8

# BLAZE

## PowerZone™ Connect 2U series



### PowerZone™ Connect 2U

**1002**

1000 W | 2 CH

**4008**

4000 W | 8 CH

**1502**

1500 W | 2 CH

**6008/6008D**

6000 W | 8 CH



-fx Dante

-fx Dante



-fx Dante

# PowerZone™ Connect 2U series

The award-winning PowerZone™ Connect 2U series is a line of ultra-reliable, DSP-enabled Class-D amplifiers delivering exceptional system configuration and flexible output, with a total system power ranging from 1000 W to 6000 W.

Available in 2, 4, and 8-channel configurations, with select models compatible with Audinate Dante™ AoIP networks and installations, the PowerZone™ Connect 2U series powers both conventional low-impedance (2 Ω to 16 Ω) loudspeakers and constant voltage (70 V/100 V) transformer-coupled loudspeakers, and features proportional distribution in both Lo-Z

and Hi-Z modes.

Our web app, PowerZone™ Control, is integrated into the firmware of our PowerZone™ Connect amplifiers and is designed for intuitive configuration of even the most challenging audio and voice systems. It provides seamless control over a wide range of DSP configuration and tuning features, including multi-zone setup, input mixing, end-user control, priority and ducking, restriction, input and output EQ, S/PDIF output routing, high-pass filter, speaker presets, delay, Sine generator, and much more.

## MODEL OVERVIEW

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Model	PowerZone™ Connect 1002	PowerZone™ Connect 1502	PowerZone™ Connect 2004/2004D	PowerZone™ Connect 3004/3004D
Channels	2 x Lo-Z/1 x Hi-Z	2 x Lo-Z/1 x Hi-Z	4 x Lo-Z/2 x Hi-Z	4 x Lo-Z/2 x Hi-Z
Output Power @ 2 Ω	2 x 500 W (SE)	2 x 750 W (SE)	4 x 500 W (SE)	4 x 750 W (SE)
Output Power @ 4 Ω	2 x 500 W (SE) 1 x 1000 W (BTL)	2 x 750 W (SE) 1 x 1500 W (BTL)	4 x 500 W (SE) 2 x 1000 W (BTL)	4 x 750 W (SE) 2 x 1500 W (BTL)
Output Power @ 8 Ω	2 x 250 W (SE) 1 x 1000 W (BTL)	2 x 400 W (SE) 1 x 1500 W (BTL)	4 x 250 W (SE) 2 x 1000 W (BTL)	4 x 400 W (SE) 2 x 1500 W (BTL)
Output Power @ 70 V	1 x 1000 W (BTL)	1 x 1200 W (BTL)	2 x 1000 W (BTL)	2 x 1200 W (BTL)
Output Power @ 100 V	1 x 1000 W (BTL)	1 x 1500 W (BTL)	2 x 1000 W (BTL)	2 x 1500 W (BTL)
<b>Total System Power</b>	<b>1000 W</b>	<b>1500 W</b>	<b>2000 W</b>	<b>3000 W</b>

## TECHNICAL OVERVIEW



- 1. **RJ45 connection** Direct Network access (Ethernet).
- 2. **Dante™ AoIP RJ45 port.**
- 3. **GPIO Connections** External control & monitoring.
- 4. **Wi-Fi antenna.**
- 5. **S/PDIF digital input/output.**
- 6. **4 x Unbalanced RCA input.**
- 7. **4 x Balanced inputs.**
- 8. **4 x Lo-Z outputs or 2 x Hi-Z outputs.**
- 9. **Mains Power** IEC 90-268 Vac input.

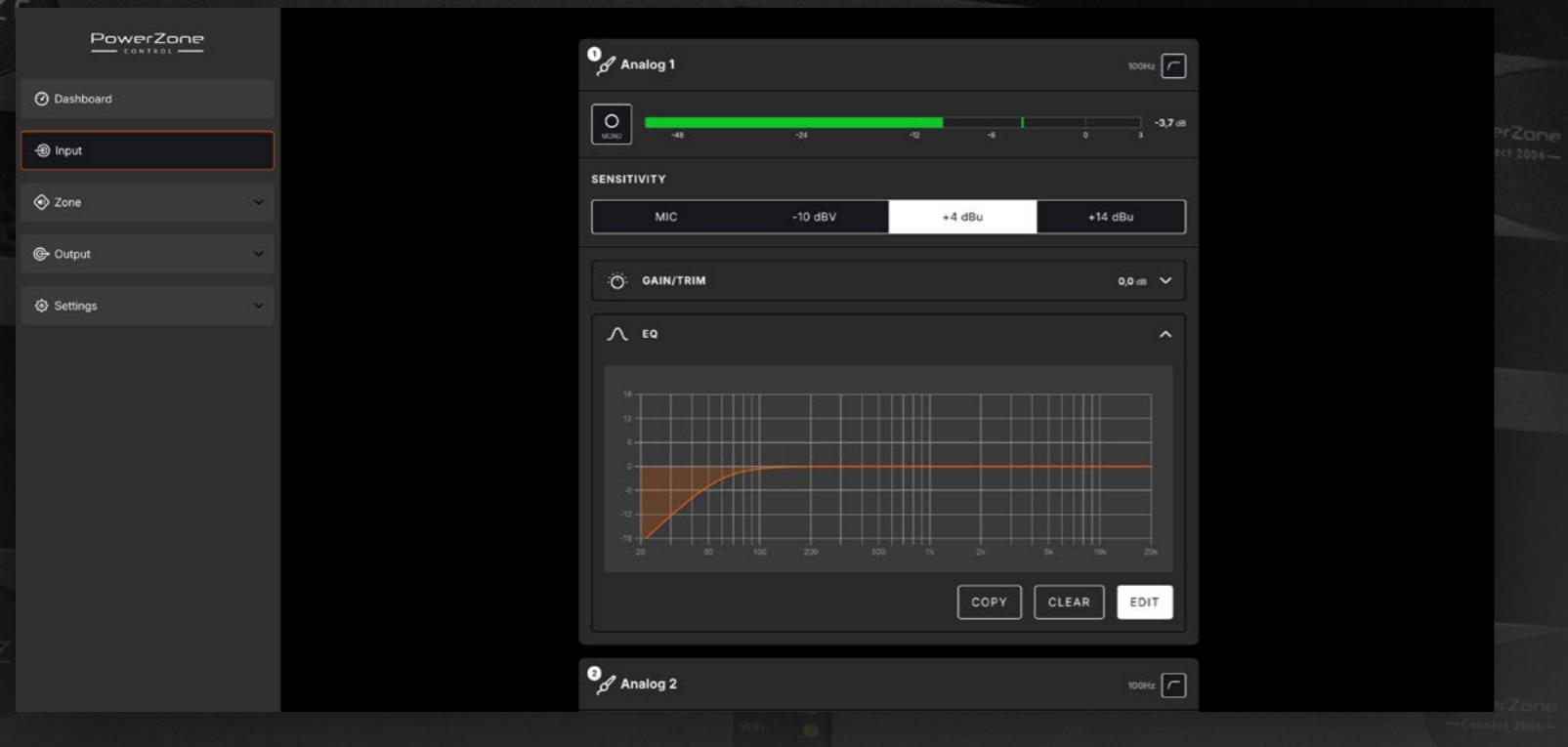
## KEY FEATURES

- Full rack 2U form factor.
- DSP configuration via PowerZone™ Control web app (built-in).
- Hybrid power distribution in both Lo-Z and Hi-Z.
- Powered by Pascal UMAC™ Class-D technology.
- Audinate Dante™ AoIP compatibility (Select models).
- S/PDIF digital input/output.
- Configurable GPIO.
- ErP and Energy Star compliant.
- UL listed audio equipment.

Model	PowerZone™ Connect 4008	PowerZone™ Connect 6008/6008D
Channels	8 x Lo-Z/4 x Hi-Z	8 x Lo-Z/4 x Hi-Z
Output Power @ 2 Ω	8 x 500 W (SE)	8 x 750 W (SE)
Output Power @ 4 Ω	8 x 500 W (SE) 4 x 1000 W (BTL)	8 x 750 W (SE) 4 x 1500 W (BTL)
Output Power @ 8 Ω	8 x 250 W (SE) 4 x 1000 W (BTL)	8 x 400 W (SE) 4 x 1500 W (BTL)
Output Power @ 70 V	4 x 1000 W (BTL)	4 x 1200 W (BTL)
Output Power @ 100 V	4 x 1000 W (BTL)	4 x 1500 W (BTL)
<b>Total System Power</b>	<b>4000 W</b>	<b>6000 W</b>

# BLAZE

## PowerZone™ Control



## PowerZone™ Control DSP web app

Our web app, PowerZone™ Control, is integrated into the firmware of our PowerZone™ Connect amplifiers, and stands as the most versatile DSP controller available for configuration of audio/voice systems in locations requiring multi-zone audio set up with multiple mic talk overs.

PowerZone™ Control offers a seamless control over a wide range of DSP configuration and tuning features, including multi-zone setup, input mixing, end-user control, priority and ducking,

restrictions, EQ for inputs and outputs, S/PDIF output routing, high-pass filters, speaker presets, compressors, limiters, delay, controller configuration, sine generator, and much more. Make sure to update to the latest firmware to unlock all features.

Access PowerZone™ Control via our desktop app, PowerZone™ Control Center, or through any browser on other devices using the built-in wireless access point of your PowerZone™ Connect amplifier.



### KEY FEATURES

- Multi-zone setup: Configure a complex multi-zone system with advanced settings and zone management.
- Input mixing: Combine input sources into a total of 8 separate mixers.
- Priority and ducking: Configure priority input and ducking to override primary audio in zones.
- Input and output EQ: Virtual parametric EQ on each analog input and all outputs.
- S/PDIF output routing: Route zones and inputs to S/PDIF and expand the install with another amplifier.
- High-pass filter for better mic speech clarity & natural sound.
- Speaker presets: Load speaker presets for Blaze Audio, Bose, Yamaha, JBL, Sonance, and other major brands—or customize your own.
- Delay: Up to 100.00 ms of delay to any output (112.50 ft/34.3 m)
- In room controller configuration: Configure Blaze Audio Wall-S1 controllers and 3rd party controller brands like Crestron, Control4, and Q-Sys.
- End-user control: Enable password-protected access for end-users to a simplified interface with key controls.

# PowerZone™ Control Center

## DSP desktop app

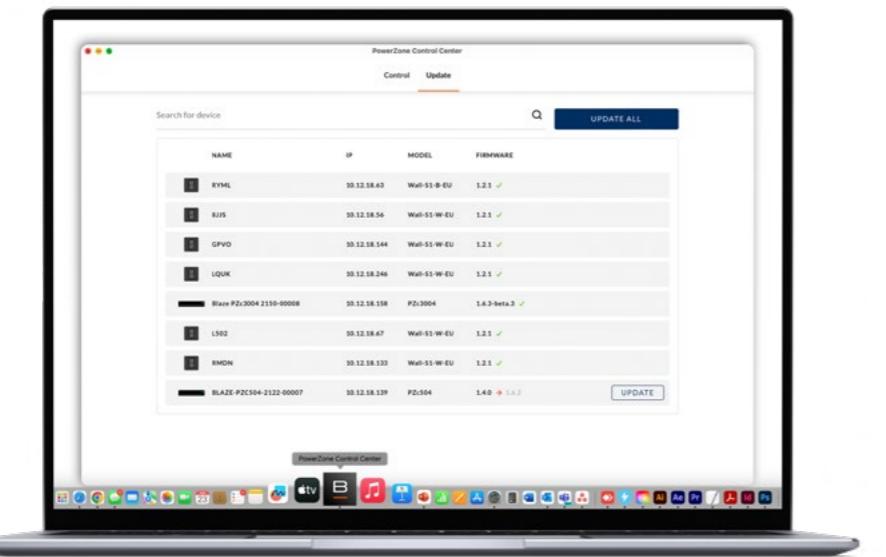
### TECHNICAL OVERVIEW

Scan QR to access  
the web app



#### KEY FEATURES

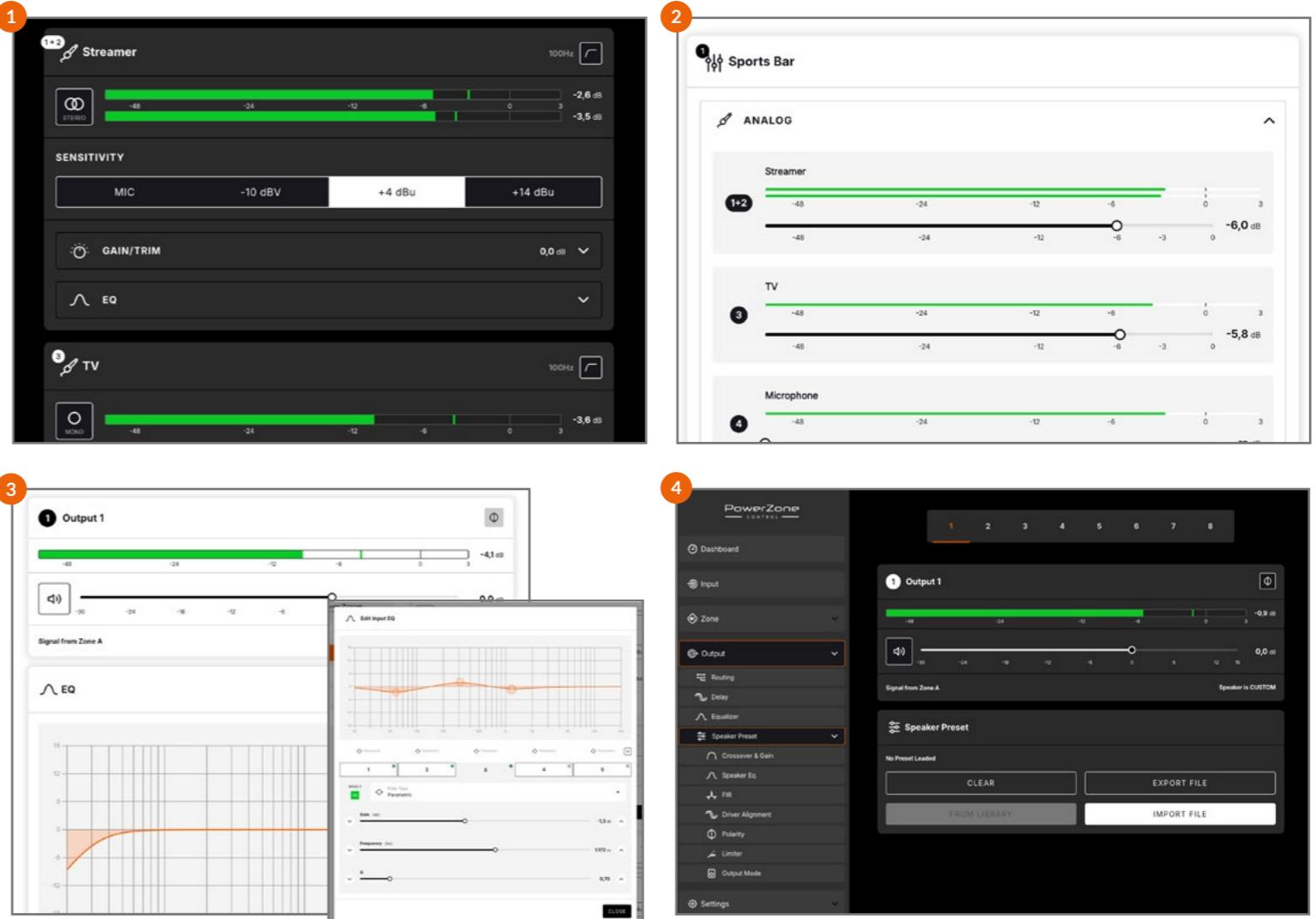
- View all devices on your network.
- Configure DSP settings on each device.
- Update firmware for all or selected devices.
- Copy DSP settings between devices.



Unlock simplicity and efficiency with our free desktop app, PowerZone™ Control Center, designed to centralize the management and DSP control of larger systems with multiple devices directly from your laptop. Connect your computer to your systems network and centralise configuration, updates and backups of all connected devices from a single computer. PowerZone™ Control Center automatically stores the latest

firmware for our amplifiers and PoE controllers, ensuring lightning-fast updates with just a single click on your laptop – whether you are managing 1 or 500 devices.

PowerZone™ Control Center is available for macOS and Windows.



1. Multi-Zone setup.

2. Input mixing.

3. Input & output EQ.

4. Speaker Presets.

# BLAZE



## Ci series

### Ci series

The IP-rated Ci series is a family of discreet, modular, high-performance loudspeakers designed for seamless integration into versatile indoor or outdoor commercial environments,



Featuring simple integration and flexible configuration options, the series includes 2", 4", 5", and 6.5" models, with optional high-impedance versions for distributed systems and compatible 8" and 12" subwoofers for enhanced low-frequency response.

All top boxes provide a 100° x 100° coverage pattern, with 90° triangular ABS cabinets that feature integrated mounting sliders

while delivering exceptional sound quality for background and light foreground music.



to eliminate visible brackets—allowing for clean, flush installation in vertical or horizontal corners.

Selected models can be paired in 180° or 270° configurations to accommodate freestanding corners, double-suspended setups, and a wide range of other unique installations.

# Loudspeakers

## KEY FEATURES

- Best of Show at ISE 2025.
- 90° triangular ABS cabinet.
- Outdoor IP rating.
- Switchable 70/100 V / 8 Ω mode.\*
- Switchable limiting circuit for tweeter.\*
- 100° vertical & horizontal dispersion.
- Couples for 180° or 270° configurations.\*

- Built-in mounting slider system.\*
- Hidden cable routing port and terminals.
- Metal grille.
- Designed in Denmark.
- Available in black and white.
- Compatible with C8S and C12S subwoofers.

\*model-dependent



Model	Ci2	Ci4 / Ci4-V	Ci5 / Ci5-V	CiX6-V
Sensitivity SPL / 1W @ 1m	84 dB	86 dB	88 dB	92 dB
Maximum SPL, Long Term	99 dB	105 dB	107 dB	114 dB
Maximum SPL, Peak	105 dB	111 dB	113 dB	120 dB
Frequency response	140-20.000 Hz	60-20.000 Hz	55-20.000 Hz	65-20.000 Hz
Nominal impedance	8 Ω	8 Ω	8 Ω	8 Ω
Dispersion	100° vertical / 100° horizontal	100° vertical / 100° horizontal	100° vertical / 100° horizontal	100° vertical / 100° horizontal
Ingress Protection	IP64	IP65	IP65	IP55
Recommended amplifier	15-30 W	Ci4: 30-60 W Ci4-V: 25-50 W	Ci5: 50-100 W Ci5-V: 45-90 W	100-200 W
Transformer taps	-	70V: 3,75, 7,5, 15 W 100V: 7,5, 15 W	70V: 3,75, 7,5, 15, 30 W 100V: 7,5, 15, 30 W	70V: 3,75, 7,5, 15, 30 W 100V: 7,5, 15, 30, 60 W
Measurements	181 x 135 x 102 mm (7.13 x 5.32 x 4.02 in)	400 x 190 x 145 mm (15.75 x 7.48 x 5.71 in)	450 x 209 x 150 mm (17.72 x 8.23 x 5.91 in)	420 x 267 x 190 mm (16.54 x 10.51 x 7.48 in)
Weight	0,75 kg (1.65 lb)	Ci4: 2,7 kg (5.95 lb) Ci4-V: 3,15 kg (6.94 lb)	Ci5: 2,85 kg (6.28 lb) Ci5-V: 3,45 kg (7.61 lb)	5,3 kg (11.7 lb)
Colour	White (RAL9010) Black (RAL9005)	White (RAL9010) Black (RAL9005)	White (RAL9010) Black (RAL9005)	White (RAL9016) Black (RAL9005)

# Subwoofers

## KEY FEATURES

### C8S:

- 8" woofer with dual voice coil.
- 8" passive radiator.
- Built in crossover.
- Plasti-dipped MDF cabinet.
- Heavy duty screw terminals.
- Placement: Indoor, on wall, floor, or below sofa.
- Accessories: Wall bracket (included).
- Designed in Denmark.
- Available in black or white.

### C12S:

- 12" shallow long throw subwoofer.
- Bass reflex design.
- Painted 18 mm MDF cabinet.
- Heavy duty screw terminals.
- Placement: Indoor, on wall or on floor.
- Accessories: Wall bracket (included).
- Designed in Denmark.
- Available in black or white.

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Model	C8S	C12S
Sensitivity SPL / 1W @ 1m	88 dB	95 dB
Maximum SPL, Long Term	108 dB	120 dB
Maximum SPL, Peak	114 dB	126 dB
Frequency response	30-240 Hz	45-600 Hz
Nominal impedance	8 Ω	8 Ω
Ingress Protection	Indoor use only	Indoor use only
Recommended amplifier	50-150 W into 8 Ω	300-600 W into 8 Ω
Measurements with wall mount	530 x 374 x 190 mm (20.87 x 14.72 x 7.48 in)	649 x 445 x 220 mm (25.55 x 17.58 x 8.66 in)
Weight	10.70 kg (23.59 lb)	22.25 kg (49.05 lb)
Colour	Matt white (RAL9010) Matt black (RAL9005)	Matt white (RAL9010) Matt black (RAL9005)

# BLAZE



## CBL series

### CBL series

The powerful Constant Beamwidth Loudspeakers series, designed by Hugh Sarvis, redefines value in professional audio by delivering crystal-clear, natural musicality and speech reproduction in a highly controlled, symmetrical dispersion

pattern, effectively reducing destructive interference across the entire listening area. Additionally, the companion BL18S subwoofer provides low-frequency response down to 36 Hz, with maximum sound pressure levels reaching 136 dB.



#### KEY FEATURES

- Highly focused pattern with consistent frequency response throughout the frequency range, on and off-axis.
- Symmetrical dispersion pattern.
- Custom 5" low-frequency drivers with tightly designed acoustic centers.
- 2" gain-shaded, vertically arrayed HF drivers with 1" voice coils.
- Super-wide symmetrical horizontal dispersion with pattern control down to 200 Hz.
- Ultra low-distortion drivers.
- Seamless integration with Blaze Audio amplifiers featuring custom speaker presets.
- Black or white options.

## Loudspeakers



Model	CBL523	CBL528
Frequency Response (-3 dB)	71 Hz - 18 kHz <sup>1</sup>	54 Hz - 18 kHz <sup>2</sup>
Frequency Range (-10 dB)	55 Hz - 18 kHz	48 Hz - 18 kHz <sup>2</sup>
High-Pass Filter	48 Hz (Recommended)	48 Hz - w/ minimum 24 dB / Butterworth Filter
Horizontal Nominal Dispersion (-6 dB)	160°	180°
Vertical Nominal Dispersion (-6 dB)	55° (Average beamwidth, 500 Hz - 5 kHz)	45°
Recommended Crossover Frequency	520 Hz	420 Hz (acoustic, active, external DSP)
Long Term Power Handling	Full range: 160 W	Low Freq: 320 W (1280 W peak) <sup>3</sup> High Freq: 200 W (800 W peak) <sup>3</sup>
Impedance	4 Ω	Low Freq: 8 Ω High Freq: 5.2 Ω
Net Weight	6.8 kg/15 lbs	17.46 kg/38.5 lbs
Dimensions (HxWxD)	205.3 x 350 x 226.2 mm (8.08 x 13.78 x 8.90 in)	494.3 x 494 x 406.16mm (19.46 x 19.45 x 15.99 in)
Color	Black or White	Black or White
Max SPL @ 1W/1m (2.83v)	119 dB	121 dB SPL (131 dB SPL peak)

<sup>1</sup>Frequency response and range measured on-axis in an anechoic environment.

<sup>2</sup>Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.

<sup>3</sup>Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.

## Subwoofers



Model	BL18S
Frequency Response (-3 dB) <sup>1</sup>	36 Hz - 150 Hz
Frequency Range (-10 dB) <sup>1</sup>	31 Hz - 150 Hz
Low-Pass Filter	90 Hz (Recommended)
Nominal Directivity (-6 dB)	Omnidirectional or cardioid
Long Term Power Handling Capacity <sup>2</sup>	1200 W AES, 2400 W (4800 W peak)
Maximum SPL @ 1m <sup>3</sup>	136 dB
Transducer Components	1 x 18 inch, 4" voice-coil
Dimensions (HxWxD)	571.5 x 622.3 x 762 mm (22.5 x 24.5 x 30 in)
Net Weight	59.65 kg (131.5 lb)
Shipping Weight	66.7 kg (147 lb)
Color	Black
Connectors/Bi-Amp	Two (2) parallel-wired NL4 Neutrik® Speakon® connectors.

<sup>1</sup>Frequency response and range measured on-axis with anechoic environment.

<sup>2</sup>Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.

<sup>3</sup>Peak level measured at 1m under free field conditions using 10 dB crest factor pink noise with specified Blaze Audio preset and corresponding EQ settings.

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# BLAZE



## CCA series

### CCA series

The CCA series harnesses over four decades of loudspeaker design technology, delivering a scalable and efficient sound reinforcement solution for the most demanding venues. This system pairs a constant curvature arrayable point source loudspeaker with two high-performance subwoofers to produce clean, clear, and natural sound throughout the listening space. Thanks to its ultra-wide dispersion and smooth on/off axis response, the CCA series requires fewer enclosures while maintaining exceptional clarity within the listening window. The subwoofers incorporate extra-thick baffles and solid internal

bracing with premium materials, minimizing low-frequency energy loss and harmonic standing waves. Fully optimized for integration with PowerZone™ Connect series amplifiers (3004/6008) via DSP and loudspeaker presets, the system features robust construction using cross-laminated Baltic Birch and aluminum frames, all manufactured in the USA. This makes the CCA series an ideal choice for permanent installations in performing arts centers, commercial theatres, houses of worship, nightclubs, and sporting facilities.



# Loudspeaker

The CCA10 is a compact arrayable point source passive loudspeaker, designed for medium-sized venues to large distributed systems that need a flexible, scalable speaker solution. Mounted horizontally with tight acoustic centers to minimize comb filtering, each CCA10 enclosure provides a fixed 20° vertical coverage and can be flown with additional enclosures in vertical arrays. Featuring a coaxial compression driver with

separate midrange and high-frequency polymer ring-shaped diaphragms, the compression driver delivers an extremely wide response from 420 Hz – 18,000 Hz.

Two 10" high-excursion ultra-low distortion drivers offer reduced power compression, providing efficient and accurate bass reproduction down to 52 Hz.



## KEY FEATURES

- 3-way arrayable point source, designed for bi-amping.
- Constant Curvature waveguide for unprecedented array coherence.
- Precision 160° symmetrical horizontal pattern control.
- Variable vertical coverage in 20° increments (one enclosure 20° and a maximum of 12 enclosures).
- Dual 10" ultra-low distortion, high-excursion drivers.
- System range: 52 Hz – 18 kHz.
- Exceptionally high SPL.
- Rugged polyurea coating for extreme durability.
- System integration with Blaze Audio amplifiers.

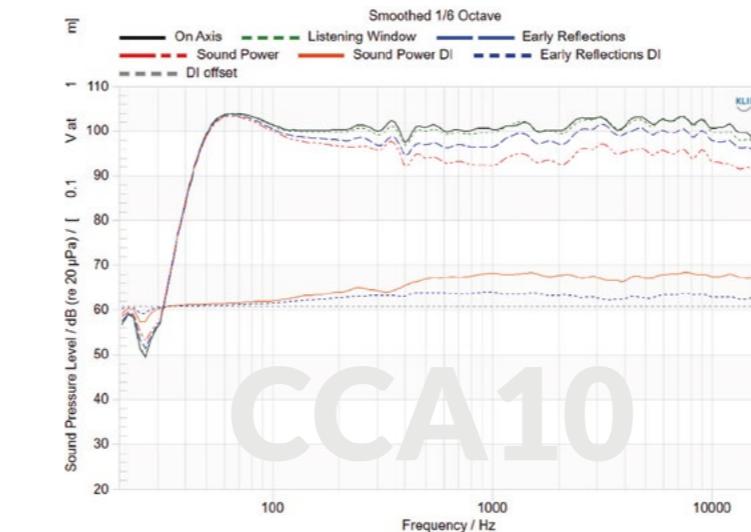


## MODEL OVERVIEW

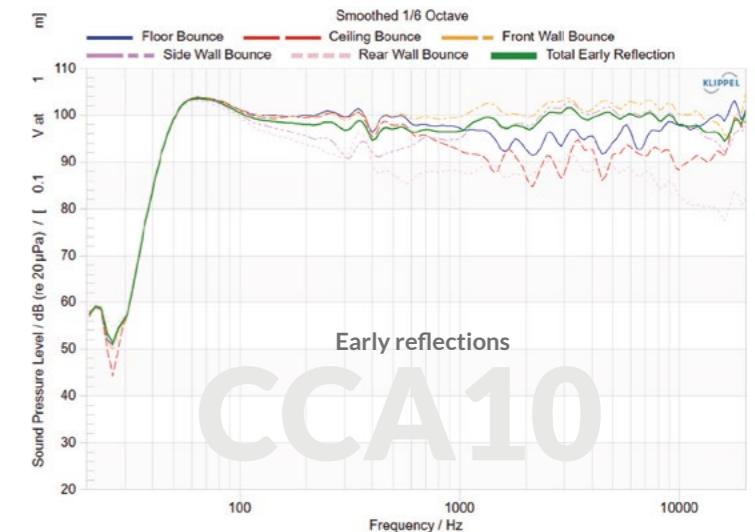
Model	CCA10
Frequency Response (-3 dB)	52 Hz – 18 kHz <sup>1</sup>
Frequency Range (-10 dB)	45 Hz – 18 kHz <sup>1</sup>
Recommended High-Pass Filter	48 Hz - w/ minimum 24 dB / Butterworth Filter
Horizontal Nominal Dispersion (-6 dB)	160°
Vertical Nominal Dispersion (-6 dB)	20°
Recommended Crossover Frequency	420 Hz (acoustic, active, external DSP)
Long Term Power Handling	(Low Freq.) 600 W (2400 W peak) <sup>2</sup> (High Freq.) 110 W (440 W peak) <sup>2</sup>
Impedance	(Low Freq.) 4 Ω (High Freq.) 8 Ω
Net Weight	83 lbs / 37.65 kg
Dimensions (HxWxD)	13.23" x 32.33" x 18.25" (336.14 x 821.21 x 463.68 mm)
Connectors/Bi-Amp	Two (2) parallel-wired NL4 Neutrik® Speakon® connectors
Max System SPL / 1W @ 1m	131 dB SPL (140 dB SPL peak)

<sup>1</sup>Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.

<sup>2</sup>Power handling tested using pinknoise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.



CCA10



CCA10

## Subwoofers

The BLx18SS high-power passive subwoofers are designed for use in medium to large-sized venues that require versatile and scalable low frequency solutions. BLx18SS subwoofers can be installed free-standing or flown via accessory hardware, and are intended to be driven solely by Blaze Audio's PowerZone™ Connect amplifiers, starting at 3000 W, and with the appropriate speaker presets configured.



When installed in multiple arrays, the subwoofers can be configured via amplifier speaker presets to provide either omnidirectional or cardioid directivity characteristics. BL118SS and BL218SS subwoofers respectively incorporate one or two 18-inch bass drivers in a reflex loaded enclosure. They provide low frequency bandwidth to 18 Hz at -10 dB and maximum sound pressure levels of 136 dB and 143 dB at 1 m respectively.

## MODEL OVERVIEW

Model	BL118iSS	BL218iSS
Frequency Response (-3 dB)	26 Hz – 150 Hz <sup>1</sup>	25 Hz – 150 Hz <sup>1</sup>
Frequency Range (-10 dB)	18 Hz – 150 Hz	18 Hz – 150 Hz
Recommended High-Pass Filter	20 Hz – with minimum 24 dB / octave (4th order) Butterworth slope	20 Hz – with minimum 24 dB / octave (4th order) Butterworth slope
Horizontal Nominal Directivity (-6 dB)	Omni or cardioid	Omni or cardioid
Recommended Crossover Frequency	90 Hz (acoustic, active, external DSP)	90 Hz (acoustic, active, external DSP)
RMS Handeling Capacity	LF: 2500 W <sup>2</sup>	LF: 5000 W <sup>2</sup>
Max System SPL / 1W @ 1m	136 db (Blaze Audio preset) <sup>3</sup>	143 db (Blaze Audio preset) <sup>3</sup>
Transducer Components	LF: 18" (457.2 mm) x 1	LF: 18" (457.2 mm) x 2
Transducer Nominal Impedance	LF = 4 Ω	LF = 4 Ω
Dimensions (HxWxD)	22.5" x 28" x 30" (571.5 mm x 711.2 mm x 762 mm)	22.5" x 48.0" x 30.0" (571.5 mm x 1,219.2 mm x 762.0 mm)
Net Weight	135 lb. (61.23 kg)	285 lb. (129.27 kg)
Shipping Weight	150 lb. (68.03 kg) - approximate with carton	295 lb. (133.80 kg)

<sup>1</sup> Frequency response and range measured on-axis in an anechoic environment.

<sup>2</sup> Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.

<sup>3</sup> Peak level measured at 1 m under free field conditions using 10 dB crest factor pink noise with specified Blaze Audio preset and corresponding EQ settings.

## KEY FEATURES

- Up to 5000 W of stunning low-end response.
- Symmetrical dispersion pattern.
- Designed to satisfy the need for an extremely high SPL sub bass loudspeaker system.
- Components have been selected solely for their performance.
- Up to two direct radiating 18-inch, 2500 W cone drivers in a tuned enclosure, which provides maximum output with minimal distortion and smooth extended low frequency response.
- The tour-tested 21 ply Baltic Birch highly braced enclosure and 24 mm (approximately 0.94 in) thick baffle board construction provide unsurpassed rigidity and strength.
- Configurable as in cardioid, or end-fire arrays.
- Full integration with Blaze Audio's PowerZone™ Connect amplifiers, starting at 3000 W.



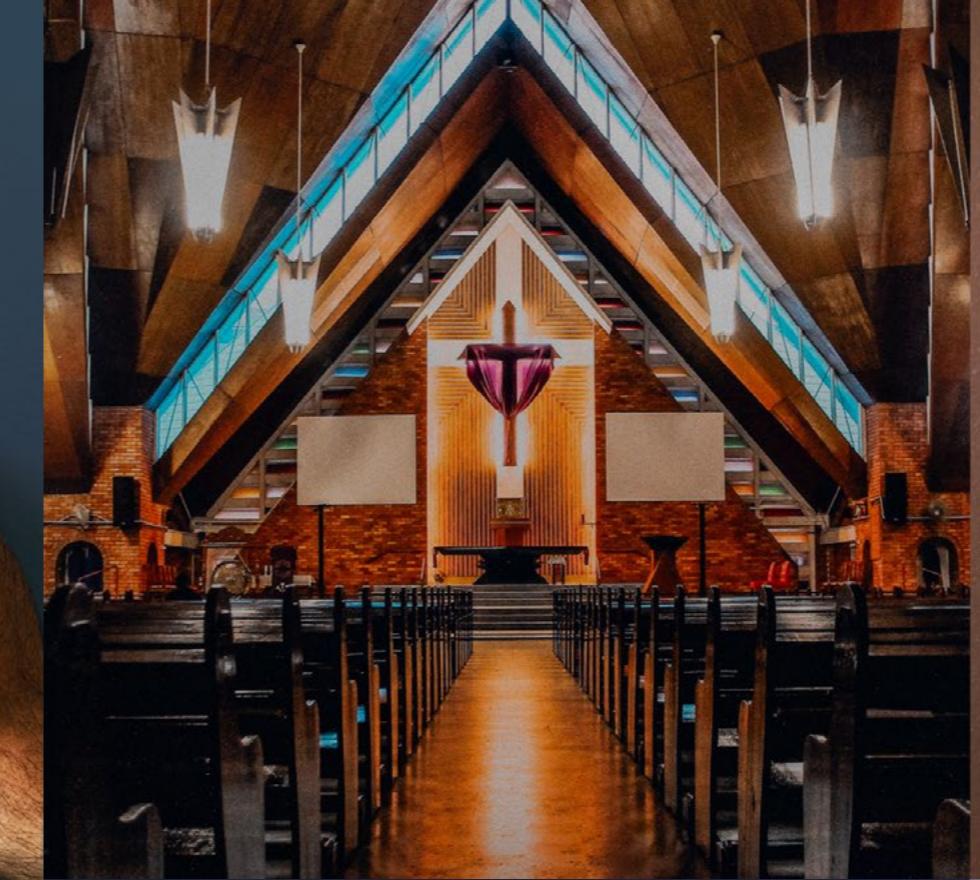
Wall-S1

W-EU  
WHITE

B-EU  
BLACK

W-US  
WHITE

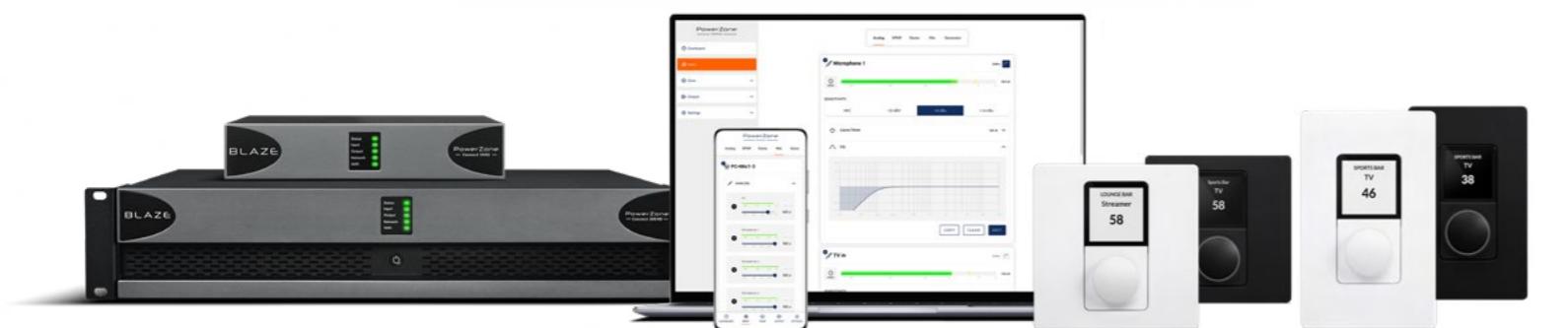
B-US  
BLACK



## Wall-S1 controller

The Wall-S1 is a wall mounted networked/ PoE controller for remote control of any Blaze Audio PowerZone™ Connect amplifier. It enables end-user control of input source and volume, as well as many advanced features and settings that system installers can configure and customise to meet the needs of a specific location. It is simple to set up, configure, and customize any installed system, and any sound zone.

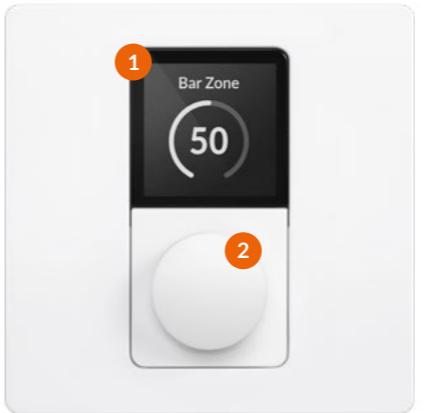
With the ability to pair up to 8 x Wall-S1 controllers per PowerZone™ Connect amplifier and assign them to any configured audio zones, installers can effortlessly set up projects using this straightforward networked controller. Real-time syncing within the same zone, PIN code protection for system security & access, and customizable color screens are among the advanced features that can be personalized to ensure the perfect fit for each location.



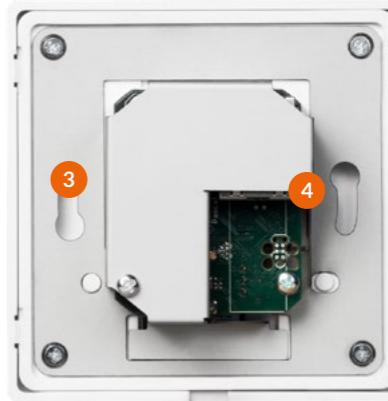
### KEY FEATURES

- Danish-designed, high-performance polymer material with a touch-friendly matte finish and concealed screws.
- Available in EU and US versions, standard white RAL9003 and black RAL9005.
- 4 color screen schemes, 4 brightness and 4 button backlight options.
- Instant network pairing and configuration for up to 8 Wall-S1 controllers with each PowerZone™ Connect amplifier.
- Optional 4-digit PIN code protection.
- Works with PowerZone™ Connect amplifiers.

### TECHNICAL OVERVIEW



1. **LCD Screen** 240 x 240 px in full RGB.
2. **Control Button** Push, Hold, Rotate.



3. **Mounting holes** Fits standard electrical boxes.
4. **PoE Connection** Connection and power in-one.

### MODEL OVERVIEW



Model	W-EU	B-EU	W-US	B-US
Amplifier Compatibility	Blaze Audio - PowerZone™ Connect series			
Colour	White (RAL9003)	Black (RAL9005)	White (RAL9003)	Black (RAL9005)
External Dimensions (H x W)	86.79 x 86.79 mm (3.42 x 3.42 in)			
Weight	120 g (4.2 oz.)	120 g (4.2 oz.)	120 g (4.2 oz.)	120 g (4.2 oz.)
Maximum Cable Length (CAT 5e)	100 m (328 ft)			
Power Consumption	PoE Class 1 / 3.84 W max			
Power Supply	Power to the RJ45 ethernet port on the rear of device using a category 5e cable (or faster STP) with the use of a standard PoE switch, or PoE injector			



## CASE STUDY

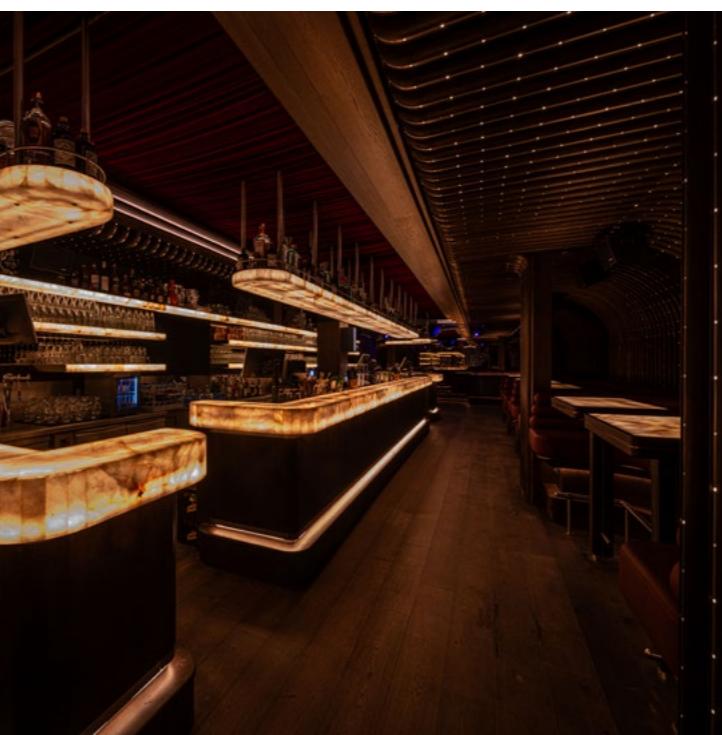
### KLEINOD AM RING

#### FROM DRINKS TO DANCE: GREAT SOUND

Kleinod am Ring, a sophisticated two-level venue in Vienna's historic Innere Stadt, required a versatile audio solution to seamlessly transition from an intimate dining atmosphere to a vibrant dance bar.

Pro Performance + Acoustics addressed this by installing 22 Blaze Audio CBL523 loudspeakers and 3 PowerZone™ Connect 4008 amplifiers, ensuring consistent sound quality across both levels.

The lower level's tunnel-like architecture posed challenges, including high reverberation and the need for even sound distribution.



The Blaze Audio system provided broad coverage and clarity, enhancing the guest experience while respecting the building's residential constraints.

This installation exemplifies how thoughtful audio design can elevate a venue's ambiance and functionality.

#### Products installed:

22 x CBL523

3 x PowerZone™ Connect 4008

Full case study at: [blaze-audio.com](http://blaze-audio.com)

Installation by: Pro Performance Sound + Acoustics

## CASE STUDY

### WAKE CHAPEL CHURCH

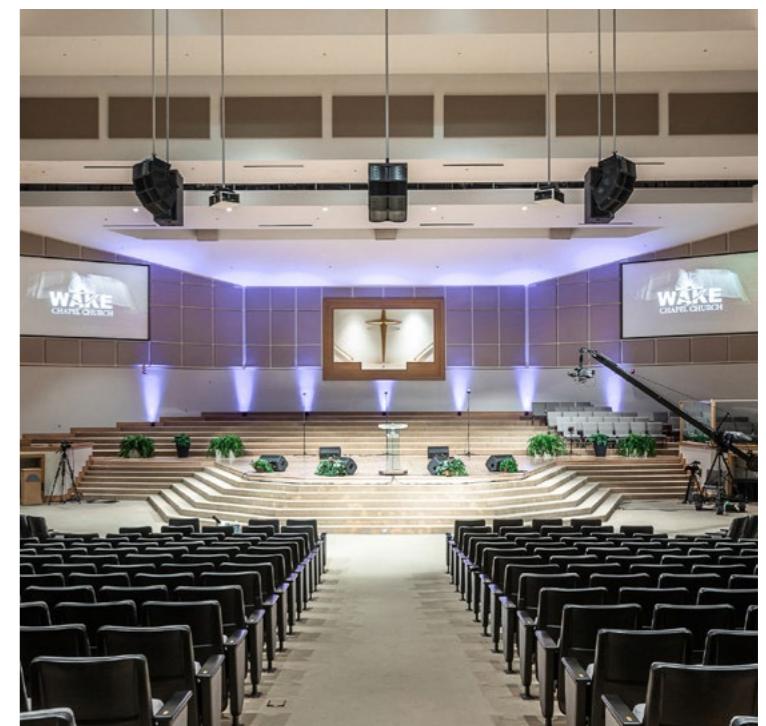
#### CLARITY & COVERAGE IN EVERY SEAT

Wake Chapel Church in Raleigh, NC, USA, upgraded its 3,000-seat sanctuary with a new sound system to enhance speech clarity and musical performance. Hi Tech Electronics, Inc. installed 21 Blaze Audio CCA10i loudspeakers in three front-stage hangs (4 per cluster) and three delay hangs (3 per cluster), positioned 90 feet back.

The setup delivers broad 160° horizontal coverage and 20° vertical dispersion per unit, reducing the need for large line arrays and preserving sightlines. The system is powered by 12 Blaze Audio PowerZone™ Connect 3004 amplifiers. To optimize the budget, existing WorxAudio TL 218SSi-P subwoofers were retained. Selah Media Productions managed DSP integration using Symetrix Prism units.



Installation by: Hi Tech Electronics, Inc.



The result: significantly improved intelligibility and music presence—earning enthusiastic feedback from both the congregation and church staff.

#### Products installed:

21 x CCA10i

12 x PowerZone™ Connect 3004

Full case study at: [blaze-audio.com](http://blaze-audio.com)

## CASE STUDY

### EUROMAST ROTTERDAM

#### POWERED BY BLAZE AUDIO AMPLIFIERS

Experience Rotterdam at 185 meters with an immersive lift ride featuring a light show and audio system powered by Blaze Audio.

Rotterdam's Euromast lift cabin features a cutting-edge 360-degree spatial audio system, delivering immersive sound through 20 meticulously placed speakers that create a dynamic 3D surround sound experience. Each speaker is individually controlled, providing a unique audio experience that surrounds the audience, placing them at the heart of the action.

The entire production is synchronized using timecode, ensuring that lighting, soundtrack, voice-over, and lift movement operate in perfect harmony.



Installation by: Ata Tech



## CASE STUDY

### PYRMONT POINT HOTEL SYDNEY

#### POWERED BY BLAZE AUDIO AMPLIFIERS

Faced with the challenge of updating its sound system while preserving its distinctive character, Pyrmont Point Hotel, a heritage gem in Sydney's Pyrmont district, sought the expertise of Jands Pty Ltd, our Australian partner and leader in audio, video, and lighting solutions. The collaboration led to the selection of Blaze Audio's PowerZone Connect series for amplification across the hotel's various venues, encompassing 9 zones, including a larger event space hosting DJs and live bands, cocktail lounges, a balcony, and a bistro.

Nathan David, the owner of Pyrmont Point Hotel, expressed his delight with the upgrade: "The transformation of our sound system has been astounding. The integration of Blaze Audio amplifiers has been central to this improvement, offering our



guests a more sophisticated and immersive audio experience". Ilias Sintrikos, Business Development Manager – Hospitality at Jands, remarks, "Blaze Audio was the perfect fit for Pyrmont Point Hotel. Its amplifiers brought the clarity and richness needed to elevate the venue's audio experience".

#### Products installed:

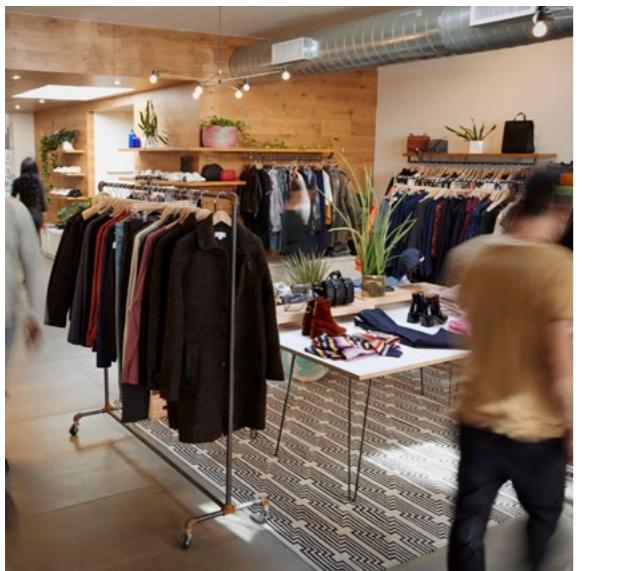
- 2 x Powerzone Connect 3004
- 2 x Powerzone Connect 2004
- 1 x Powerzone Connect 254
- 1 x Powerzone Connect 252



Installation by: Jands Pty Ltd



Scan the QR code to watch the case study film provided by Jands.



### Retail Environments

Music plays a crucial role in the success of retail businesses as it affects customer mood, behavior, and purchase decisions. At Blaze Audio, we provide a variety of system designs featuring amplifier models ranging from 60 W to 750 W per channel, which are easy to configure. Our PowerZone™ Control web app allows you to restrict or set maximum and minimum volume levels across different retail zones. Additionally, our networked wall controllers help manage the source and volume, providing customization and PIN code protection for added security.



### Bars and Cafes

Our selection of amplifiers is designed to meet the sound pressure needs of any hospitality project, regardless of its size. With channel output available in both Lo-Z and Hi-Z, as well as smart power sharing and easy system setup, PowerZone™ amplifiers are an ideal choice for bars and cafes. By utilizing our PowerZone™ Control web app and networked controllers, any project can be swiftly configured to provide exceptional background sound in locations with multiple zones.



### Restaurant and dining

Regardless of the size of the restaurant, music is an essential element of the overall dining experience. As different areas within a restaurant have varying audio requirements, a flexible audio system is necessary. For instance, busy bar areas may require higher sound pressure levels, while cosy dining areas may require much less. Our PowerZone™ amplifiers provide the ideal solution, delivering the required power output and flexibility to provide sound to any zone or room, regardless of its size.



### Hotels and Education sites

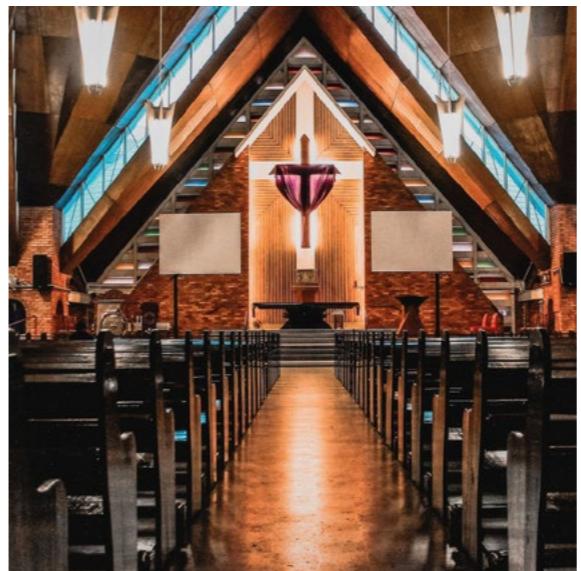
Our PowerZone™ Connect amplifier series and web app, PowerZone™ Control, provide effortless customization for full DSP configuration of audio/voice systems in locations requiring multi-zone setups with sound and multiple mic talk overs. This is particularly crucial in hotels, educational facilities, auditoriums, theaters, and vast hospitality spaces with multiple meeting rooms. Furthermore, our S/PDIF output routing feature facilitates zone and input routing allowing easy system expansion through multiple interconnected amplifiers.



### Fitness & Sports venues

Fitness projects demand high-quality sound systems with exceptional flexibility. Background music is played in gym and workout areas, while the same system is also required to provide full power with mic talk overs in classes such as spinning.

PowerZone™ amplifiers can handle these demanding environments, as automatic power sharing delivers the necessary power across any channel and loudspeaker setup while easy pre-set inputs for audio/voice mixes for different fitness activities can be configured using our PowerZone™ Control web app.



### House of Worship

House of Worship projects require reliable, high-quality amplification of voice, often covering a large distribution area. Blaze Audio solutions are perfect for HoW projects, thanks to our high-quality amplification at low power and superior speech intelligibility. Our PowerZone™ Connect amplifiers offer a wide range of total system power, between 125 W and 6000 W, and can be set up with any speaker load. Moreover, our PowerZone™ Control web app simplifies audio setup, enabling multiple mic talk-overs, and making it a hassle-free process.



### Corporate, Government & Enterprise

The Corporate, Government, and Enterprise sector has a wide range of applications for audio systems, with or without multiple mic talk overs, including conferences and boardrooms, meeting areas of any size, warehouses, cafeterias, and break areas.

Blaze Audio is an ideal choice for these applications, as our solutions are reliable, flexible, and easy to set up and use. Our PowerZone™ amplifiers are capable of covering different sound pressure needs, and up to 8 Wall-S1 controllers can be networked to cover many rooms or large spaces.



The transformation of our sound system has been astounding. The integration of Blaze Audio amplifiers has been central to this improvement, offering our guests a more sophisticated and immersive audio experience.”

**Nathan David,**  
Owner of Pyrmont Point Hotel.  
Sydney, Australia

**CONNECT • CONFIGURE • CONTROL**

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