CONNECT • **CONFIGURE** • **CONTROL**

BLAZE

TABLE OF CONTENT

Blaze Audio specialize in professional solutions for the commercial audio market.

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

BLAZE-AUDIO.COM

BLAZE
PowerZone
— Connect Series —

MORE POWER STILL CONNECTED

The PowerZone Connect 2U format amplifiers are solid, full rack, DSP amplifiers that deliver flexible, reliable power output with a total system power of 1000W, 1500W, 2000W and 3000W – in both 2 and 4 channel versions.

PowerZone Connect 2U	1002	1502	2004	3004
	1000 W | 2 CH	1500 W | 2 CH	2000 W | 4 CH	3000 W | 4 CH

Shopping Malls

Background music in large format retail is a 'must have'. Music is part of the everyday shopping experience – especially at seasonal and promotional events. Powerful, reliable, flexible DSP amplifiers are used to create sound spaces in medium and large format shopping halls & malls. PowerZone Connect is a perfect match.

Large scale paging & Distribution

Paging / voice solutions in large buildings or public areas need lots of power, as well as channel flexibility and superior audio quality. Airports, Hospitals, Schools & Colleges, large government & public buildings - all need to cover large areas for updates & announcements. PowerZone Connect delivers on both power and exceptional speech quality.

Auditoriums

Education and corporate spaces need more power to fill any size space - along with low maintenance, and long term reliability of hardware. Ideally an overall low cost of ownership for a reliable system. PowerZone Connect delivers the sound quality, simple system configuration, and uses industry leading amplifier modules to ensure long lifetime and low energy consumption.

Hotels & Conferences

Hotels and Conference centres offer many experiences and services to their visitors – bars, restaurants, clubs, lounges, and large conference halls – and most of these areas need multiple SPL across zones. PowerZone Connect drive all types of power to all types of speakers that covers these locations and open spaces.

Entertainment

Theaters, cinemas and performing arts need absolute high-performance sound, and that sound is often designed specifically for the venue. These are demanding environments for a sound/ system designer. PowerZone Connect has the power to support these sound levels – and with both Lo-Z and Hi-Z, can be utilized in any sized project. With complete stability, channel flexibility, and a fully programmable DSP – PowerZone Connect satisfies the demands of these installs.

Casinos

Most Casino locations are spread out over vast areas, with many rooms, bars, event spaces and restaurants. It's a hugely demanding environment for a sound/ system designer. PowerZone Connect has the power output to support large speaker runs or powerful sound needs. And with channels in Lo-Z and Hi-Z it has the flexibility to be used in all spaces, of all sizes.

PowerZone Connect series 2U

The PowerZone Connect 2U format amplifiers are solid, full rack, DSP amplifiers that deliver flexible, reliable power output with a total system power of 1000W, 1500W, 2000W and 3000W – in both 2 and 4 channel versions.

Optimal hybrid power performance of both Lo-Z (2Ω to 16Ω) and Hi-Z (constant voltage) meaning this flexible amplifier can be used in many different configurations and install locations.

The embedded DSP set-up can be performed wired or wirelessly and allows access to the PowerZone Control web app for easy system and audio configuration – making it easy to manage sound zones, inputs/outputs, make firmware updates, system back up & restore - and access to the many professional EQ settings. Configuration takes only

a few minutes and works on any platform and any browser – you can even manage all settings from your phone.

With PowerZone Control, applying speaker presets takes just seconds, and the impact on the installed sound is significant. Our Wall-S1 networked controller can be connected and assigned to any of the zones – easily add multiple controllers and configure them to the location or room. Blaze provides custom drivers for popular control and automation devices that use more advanced network & control systems.
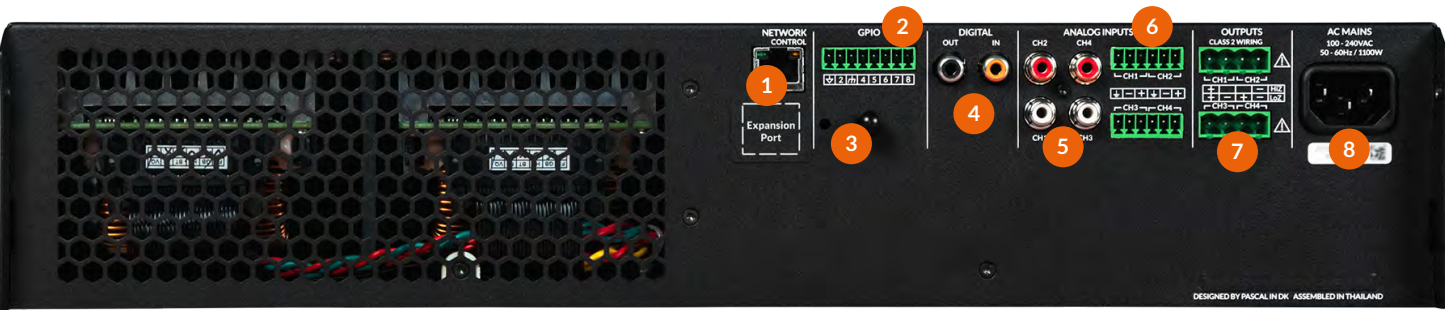
PowerZone Connect 1002, 1502, 2004, 3004 deliver both flexible power and exceptional system configuration.

Wall-S1 support

KEY FEATURES

- Connect to the DSP in the intuitive web app and create sound zones in minutes
- Install manufacturer EQ files or create your own and save & export to other projects
- Link multiple amplifiers to build a more powerful system using the S/PDIF

- Blaze Audio is powered by ultra-reliable Pascal UMAC™ Class-D technology
- Add room control to any sound zone with the customisable Wall-S1 controller
- PowerZone deliver class-leading energy efficiency reducing lifetime cost of ownership

*Product shown as example is PowerZone Connect 4 Channel version (3004) also available in 2 Channel versions

1. **RJ45 connection** – Direct Network access (Ethernet)
2. **Wall control input** – Mute/Std +more – Selectable in Control SW
3. **Wi-Fi antenna**
4. **Digital audio in/out**
5. **4 x Unbalanced RCA input**
6. **Balanced inputs** – Mic input on Ch1 and Ch2 – Sensitivity selectable in Control SW
7. **4 x Lo-Z outputs** or **2 x Hi-Z outputs**
8. **Mains Power** IEC 90-268Vac input

MODEL OVERVIEW

Model	PowerZone Connect 1002	PowerZone Connect 1502	PowerZone Connect 2004	PowerZone Connect 3004
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 @ 2Ω	2 x 500 W (SE)	2 x 750 W (SE)	4 x 500 W (SE)	4 x 750 W (SE)
Output Power @ 4Ω	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 @ 8Ω	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 @ 70V	1 x 1000 W (BTL)	1 x 1200 W (BTL)	2 x 1000 W (BTL)	2 x 1200 W (BTL)
Output Power @ 100V	1 x 1000 W (BTL)	1 x 1500 W (BTL)	2 x 1000 W (BTL)	2 x 1500 W (BTL)
Total System Power	**1000 W**	**1500 W**	**2000 W**	**3000 W**

ALL SET-UP FROM YOUR PHONE

The PowerZone Connect 1U format amplifiers are networked DSP amplifiers that are designed to make life easier. The ultra-compact size, and flexible power to channel set up, means PowerZone Connect is a perfect choice for many installation projects.

PowerZone Connect 1U

122	252	254	504
125 W | 2 CH	250 W | 2 CH	250 W | 4 CH	500 W | 4 CH

The renovated Euroscoop of Rotterdam's iconic Euromast has been given a new experience.

CASE STUDY

EUROMAST ROTTERDAM POWERED BY BLAZE AMPLIFIERS

An impressive light and sound show, with music by Rotterdam DJ Oliver Heldens, takes visitors for a ride to the top of the 185m high tower. You travel to the highest point of the Euromast and see the city from a 360-degree perspective. Meanwhile, a voice-over talks about the city and its inhabitants, its colourfulness, diversity, and Rotterdam's special position as a world port in the heart of Europe.

The lift cabin of the Euromast is equipped with a 360 degrees Spatial sound system. This sends the sound through 20 speakers and creates a virtual 3D surround sound effect. Each speaker is individually

controlled and provides a unique audio experience that surrounds you, putting you right in the middle of the action. The entire show is timecode-controlled, so that the light, the soundtrack, the voice-over, and the movement of the lift all run at exactly the same time.

To get the immersive sound experience perfect, there was a need for a compact amplifier with perfect sound quality. With 5 x PowerZone Connect 254 used to drive the 2-way speakers, which give the sound directly to the visitor and 1 x PowerZone Connect 504 used to drive the 2 x sub speakers in the lift.

Powered by: **1x** PowerZone Connect 504   **5x** PowerZone Connect 254

Netherlands based Ata Tech took care of the delivery and installation of the audio-visual material and the complete lighting installation for the project.

PowerZone Connect series 1U

The PowerZone Connect 1U format amplifiers are networked DSP amplifiers that are designed to make life easier. The ultra-compact size, and flexible power to channel set up, means PowerZone Connect is a perfect choice for many installation projects.

It can drive both conventional low impedance (4Ω to 16Ω) loudspeakers and constant voltage (70V/100V) transformer coupled loudspeakers. With analogue and digital inputs, it has flexible output options with configuration in both Lo-Z and Hi-Z mode. Automatic power sharing technology enables total available power to be shared proportionately between the outputs. Then, using the digital output, expand any system by 'daisy-chaining' multiple amplifiers.

With our intuitive browser-based web app you can be all set up from your phone – or from any device, on any platform. These compact amplifiers are configured in minutes - from the simple interface you can control the audio system and handle all input, output, and multi-zone speaker management.

It's network-connected, giving wired or wireless access to the PowerZone Control web app's system setup and audio configuration menu. From here you can configure and control sound zones – helping achieve impressive sound in the shortest time possible.

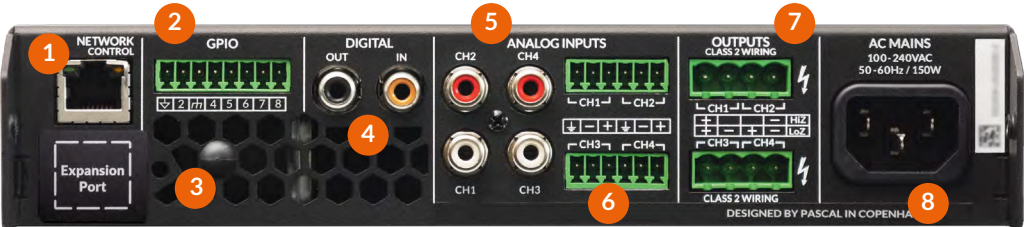PowerZone Connect 122, 252, 254, 504 compact install amplifiers bring big system flexibility with low complexity.

Wall-S1 support

KEY FEATURES

- Ultra-compact form factor means it can be installed in spaces where others cannot
- Embedded DSP with configuration and control via the simple web app
- Power sharing technology delivers flexible power output across channels

- Install manufacturer EQ files or create your own and save & export to other projects
- Blaze Audio is powered by ultra-reliable Pascal UMAC™ Class-D technology
- Add room control to any sound zone with the customisable Wall-S1 controller

TECHNICAL OVERVIEW

1. **RJ45 connection** – Direct Network access (Ethernet)
2. **Wall control input** – Mute/Std +more – Selectable in Control SW
3. **Wi-Fi antenna**
4. **Digital audio** in/out
5. **4 x** Unbalanced RCA input
6. **Balanced inputs** – Mic input on CH1 and CH2 – Sensitivity selectable in Control SW
7. **4 x Lo-Z** outputs or **2 x Hi-Z** outputs
8. **Mains Power** IEC 90-268Vac input

*Product shown as example is PowerZone Connect 4 Channel version (504) also available in 2 Channel versions

MODEL OVERVIEW

Model	PowerZone Connect 122	PowerZone Connect 252	PowerZone Connect 254	PowerZone Connect 504
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 @ 4/8Ω	2 x 60 W	2 x 125 W	4 x 60 W	4 x 125 W
Output Power @ 70/100V	1 x 125 W	1 x 250 W	2 x 125 W	2 x 250 W
Powershare (up to) Across all channels	1 x 125 W	1 x 250 W	1 x 250 W	2 x 250 W
Power Consumption	75W	75W	75W	150W
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)
Total System Power	**125 W**	**250 W**	**250 W**	**500 W**

Bars and Cafes

The combination of small size and big power flexibility makes PowerZone Connect a great choice for installing in Bars and Cafés. Any system can be easily configured to cover exceptional background sound in locations with single or multiple zones. Add the Wall-S1 for source & volume control.

Restaurants

Restaurant's use music as part of the dining experience which brings a dynamic sound need. Bar areas demand high sound pressure, and eating areas need much less. PowerZone Connect delivers the power required, to any channel, any zone and to rooms of any size – customize the Wall-S1 menu for each install.

Hotels and Education Sites

For larger installations in hotels and educational facilities with auditoriums, theatres, vast eating spaces, and multiple large meeting rooms, complete power and system flexibility is required. With PowerZone Connect amplifiers you simply match the power and channels you need – then easily configure the system for all the different sound needs.

Corporate/ Enterprise

The corporate space has many different applications – open office spaces, sound for boardrooms and conference rooms, meeting areas of any size – plus warehouses, cafeteria, and break areas. PowerZone Connect is an ideal choice as one amplifier can cover all the sound needs. Add user source control in any room with the Wall-S1.
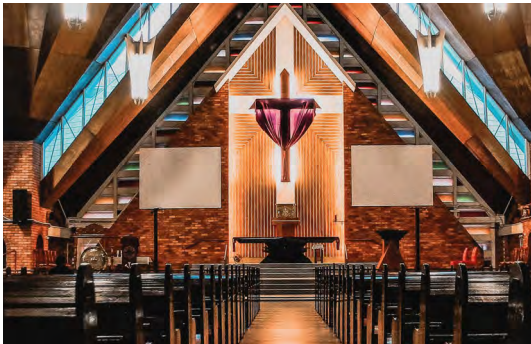

Retail Stores

Background music in retail stores must complement the store's profile. This leads to a wide range of system demands. Some stores need cool background sound when others need for more power! PowerZone Connect fit all these needs – and sound zones can be set up easily and power utilised where needed. Adding Wall-S1 controllers allows customizable user control.

Fitness Centers

Fitness locations demand excellent sound with great system flexibility. Background tracks play in gym and workout areas - then heart racing power in CrossFit classes! PowerZone Connect can cope with demanding environments as automatic power sharing delivers the required power across any channel and loudspeaker set up.

House of Worship

House of Worship sites need very reliable, high-quality amplification of voice, and at the same time the amplifier should cover a large distribution area with many specialized speakers. PowerZone Connect are perfect for house of worship sites – due to the high quality of amplification at low power, delivering superior speech intelligibility.

TAKE CONTROL

The Wall-S1 is a wall mounted networked/PoE controller for remote control of any Blaze Audio PowerZone Connect amplifier.

Wall-S1

W-EU
WHITE

B-EU
BLACK

W-US
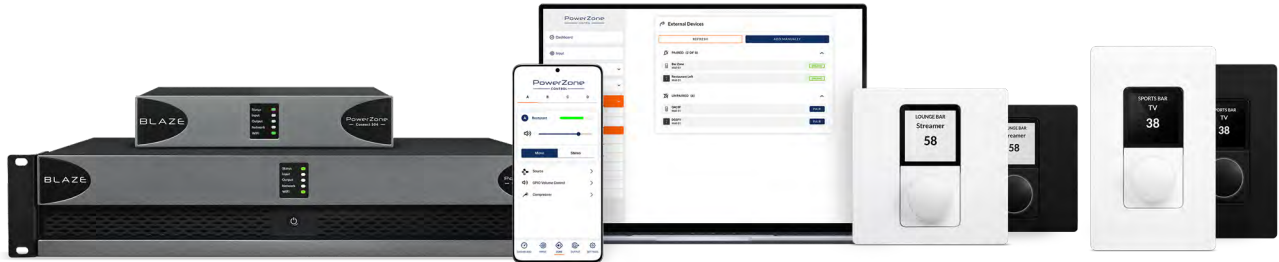WHITE

B-US
BLACK

Hotel Lobby

50

Wall-S1 Wall 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.
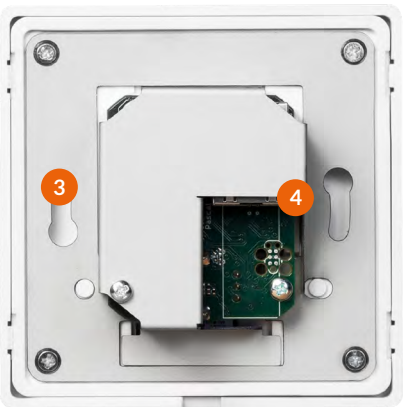
With the possibility to pair up to 8 x Wall-S1 controllers per amplifier, and assign the devices to any of the configured audio zones, it means installers can easily configure projects with this simple solution.
With real-time syncing of devices on the same zone, PIN code protection for system security and access, and customisable colour screen and backlight – some of the advanced features that can be personalized to ensure the perfect fit for each location.

- Connect up to 8 x Wall-S1 controllers per PowerZone Connect (DSP) amplifier, and configure exactly as you need in the amp's PowerZone Control web app.
- Smart PoE technology means straight-forward network pairing, change settings across the system and makes it simple to assign any of the sound zones.
- The Wall-S1 has a clear and intuitive menu, so setting-up and configuring the system is easy. But that also means it's easy to hand over to the venue and explain the usability.
- Change source in a few clicks, increase and decrease volume with the simple tactile button. There is a minimum/maximum setting so the volume can be customised and managed for each location.

- Easy 4-digit PIN code protection with access settings for a secure install. This code can be required for advanced menu settings, only to edit source & volume - or total settings lock.
- With customisable settings for each controller - you can change the colour of the on-screen menu, as well as the screen & control button backlight strength.
- Real-time device syncing with the system means any actions on one zone controller are instantly shown on the others, as well as reflected in the amplifiers PowerZone Control web app.
- The minimal Danish design means there are no exposed screws, while the matt surface is touch friendly. Available in industry standard White RAL9003, and Black RAL9005.

1. **LCD Screen –** 240x240px in full RGB
2. **Control Button –** Push, Hold, Rotate

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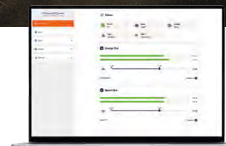4. **PoE Connection –** connection and power in-one

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)		115.1 x 70.6 mm (4.53 x 2.78 in)	
Weight	120g (4.2oz.)		120g (4.2oz.)	
Maximum Cable Length (CAT 5e)	100m (328ft)			
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			

Effortless system set-up & configuration on any device

With PowerZone Connect amplifiers and the PowerZone Control web app, you can connect, configure, and control any audio system and create the most impressive multi-zone sound system in minutes.
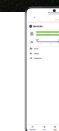
PowerZone Control

Pc/Mac
in any browser

Tablet
in any browser
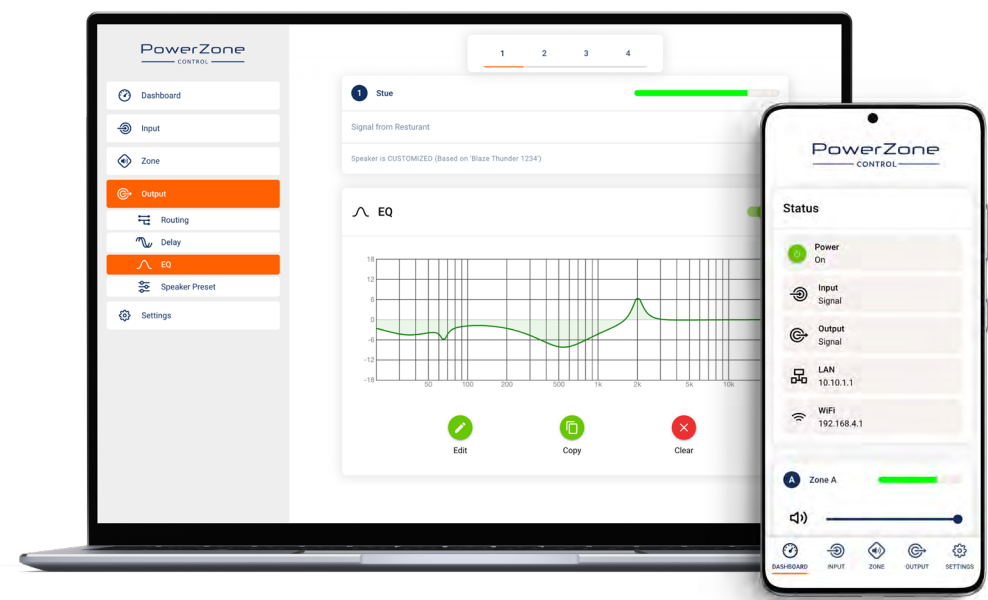
Mobile
in any browser

PowerZone Control

PowerZone Control is our embedded DSP with an intuitive web app that runs on any device and any platform. It is set-up from your phone, tablet, or PC. Simply connect through any browser to the amplifier's built-in Wi-Fi, or direct via the network port.
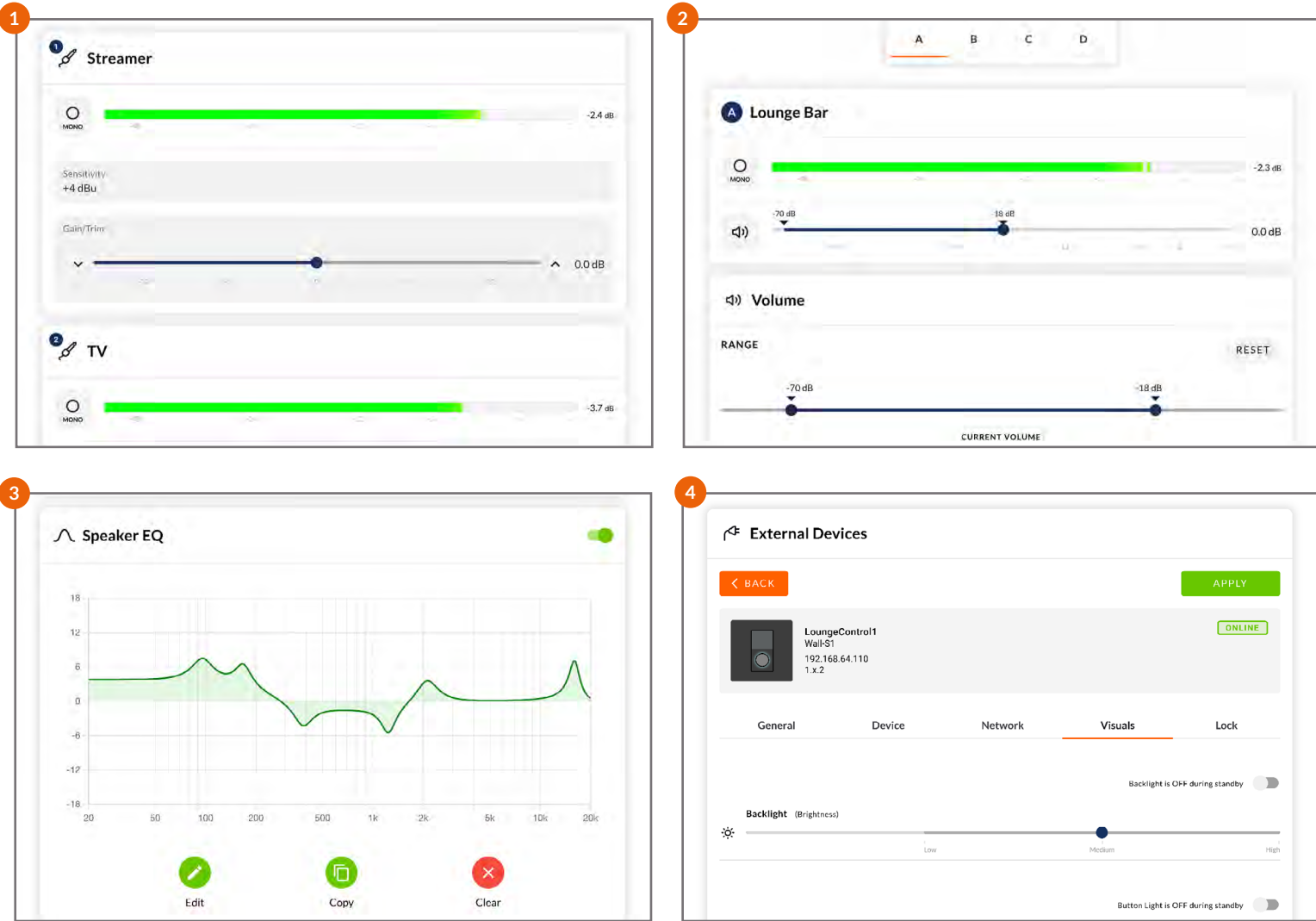
PowerZone Control has a simple, intuitive interface that first allows access to the basic system set-up, and then to the many advanced configuration and professional tuning settings.

Add speaker EQ preset files in seconds or save and export your amplifier's customized set-up as a profile that you can restore, use on the next room, or a future project - making system installation even faster. The main dashboard shows a simple overview of your system – and from here it's effortless to set-up and manage zones, inputs and outputs, and and configure volume controllers.

- Easy to configure a complete system – set-up sound zones, manage input output routing and many more advanced sound settings
- Firmware updates available, taking just minutes to upload, will bring new features and system optimisation tools
- Apply & manage speaker EQ presets – download our collection of presets, available for popular speaker manufacturers, or customize your own sound and save preset files

- Add end-user room control to any system with Wall-S1 from Blaze, or use our custom-made 3rd party device drivers for networking together with smart controller brands including Crestron, Control4, Q-Sys

Use QR to try it for yourself

1. **Input Control**
2. **Zone Control**
3. **Speaker Presets**
4. **External Devices** (Wall Controllers)

FLEXIBLE, RELIABLE POWER

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

BLAZE PowerZone

BLAZE

PowerZone 504

BLAZE

PowerZone 252

BLAZE

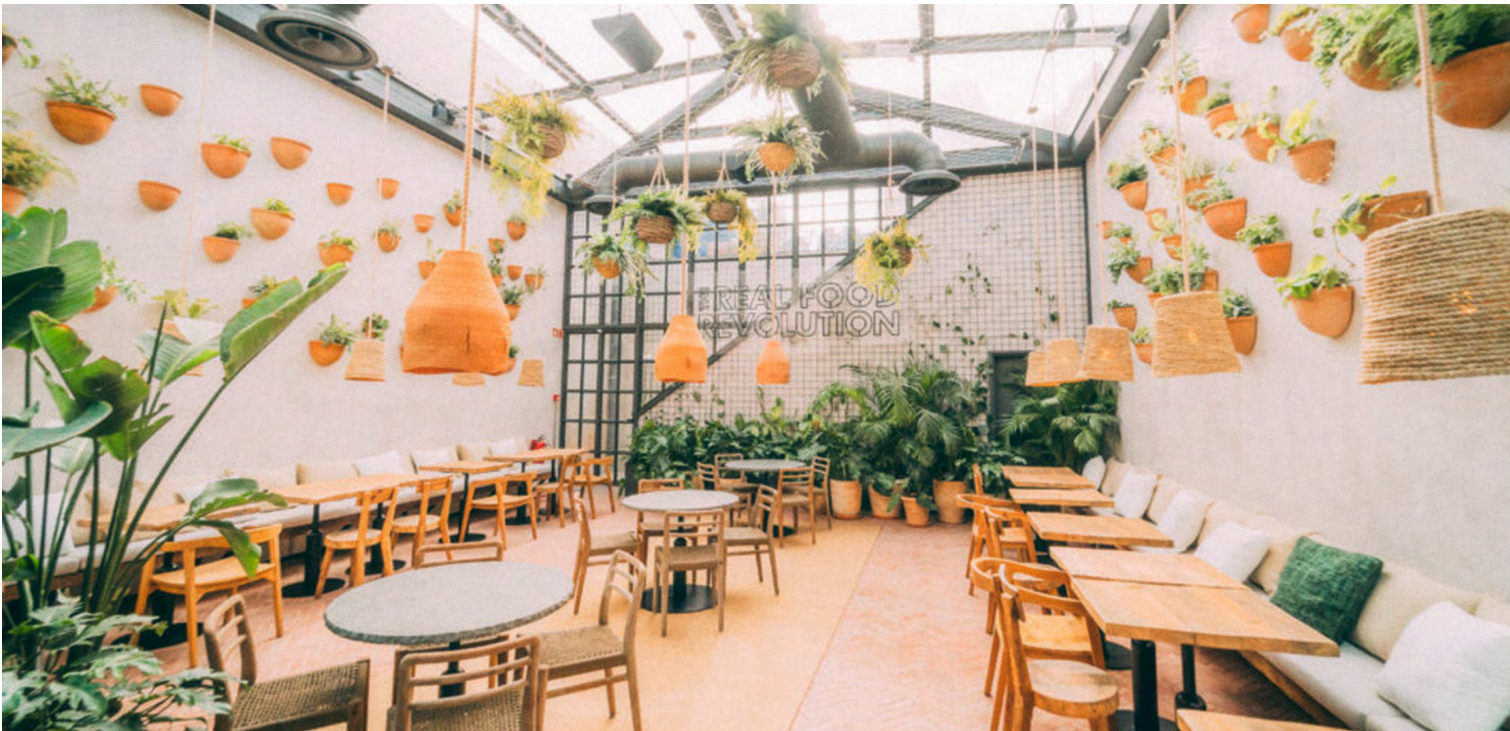PowerZone 1004

PowerZone

252
250 W | 2 CH

504
500 W | 4 CH

1004
1000 W | 4 CH

Bars, Cafes and Restaurants

The combination of small size and big power flexibility makes PowerZone a great choice for installing in Restaurants, Bars and Cafés.
Any system can be easily configured to cover exceptional background sound in locations with single or multiple zones.

HONEST GREENS RESTAURANT

The Honest Greens restaurant chain has recently opened a new location in the heart of Porto, on Rua de Santa Catarina, and selected the Blaze PowerZone 1004 to power the audio.
Honest Greens has many locations in Madrid, Barcelona, Lisbon and now Porto – where they tasked Lisbon based Garrett Audiovisuais to implement the Audio solution for this exciting new space. Blaze Audio brought its amplification technology with the PowerZone 1004 model – chosen for its reliability – working in conjunction with a digital audio processor.
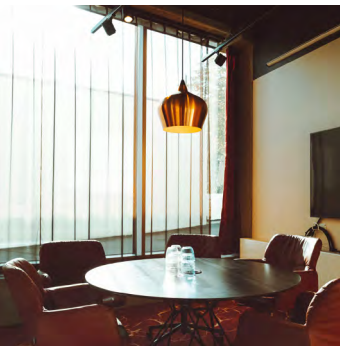

Retail Stores

Background music in retail stores must complement the store's profile. This leads to a wide range of system demands. Some stores need cool background sound when others need for more power! PowerZone fit all these needs – and sound zones can be set-up easily and power utilised where needed.

Hotels and Education Sites

For larger installations in hotels and educational facilities with auditoriums, theatres, vast eating spaces, and multiple large meeting rooms, complete power and system flexibility is required. With PowerZone amplifiers you simply match the power and channels you need – then easily configure the system for all the different sound needs.

Corporate/ Enterprise

The corporate space has many different applications – open office spaces, sound for boardrooms and conference rooms, meeting areas of any size – plus warehouses, cafeteria, and break areas. PowerZone is an ideal choice as one amplifier can cover all the sound needs.

House of Worship

House of Worship sites need very reliable, high-quality amplification of voice, and at the same time the amplifier should cover a large distribution area with many specialized speakers. PowerZone are perfect for house of worship sites – due to the high quality of amplification at low power, delivering superior speech intelligibility.

PowerZone series

The PowerZone series of install power amplifiers are designed to provide versatile and reliable high-performance audio power.
Each output channel can be independently configured to drive either Lo-Z or Hi-Z loads – making it so much more flexible and versatile than other full rack products. This means a system can be easily configured with any power output, and drive both Lo-Z and Hi-Z loudspeakers – from just one clever amplifier.
Total available power is automatically shared across channel pairs –

thanks to our power sharing technology (*252 and 504 models only).
The ultra-compact PowerZone can be installed in locations where other products cannot – and has desk and wall mount brackets as well as full rack supports.
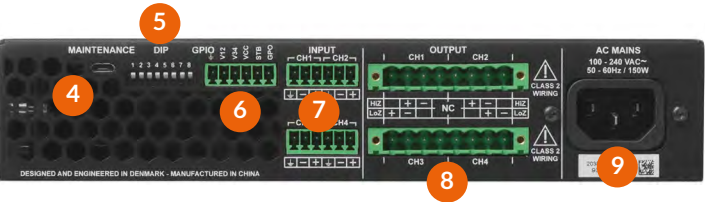PowerZone is a robust and energy-efficient amplifier, that offers quick set-up and custom configuration options, and like all PowerZone products, this reliable, high-performance amplifier has a 5-year warranty.

KEY FEATURES

- All channels deliver low & high 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 PowerZones 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 of any 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

TECHNICAL OVERVIEW

*Product shown as example is PowerZone 504

1. **Power LED** – Standby Indicator
2. **Channel LED** –Signal Status Indicators
3. **Channel Gain Adjust Controls** (one control for each channel)
4. **Maintenance Port** (Only Used by Blaze / Manufacturer)
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**

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 @ 4/8Ω	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
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)
Total System Power	**250 W**	**500 W**	**1000 W**

THE POWER BEHIND GREAT SOUND